

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000384.D
 Acq On : 23 Oct 2019 16:23
 Operator : SY/MD
 Sample : K5494-03MSD
 Misc : 6.,40G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP1-2FTMSD

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 4:30:39 PM

Quant Time: Oct 24 05:07:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	10013	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	15170	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	12922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	4761	50.00	ug/l	-0.01

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	6166	58.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.76%	
35) Dibromofluoromethane	7.72	113	2080	22.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	45.46%	
50) Toluene-d8	10.18	98	17841	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.49	95	5198	38.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	3639	45.630	ug/l	97
3) Chloromethane	2.11	50	10172	83.135	ug/l	89
4) Vinyl Chloride	2.26	62	5441	44.062	ug/l #	83
5) Bromomethane	2.66	94	876	9.572	ug/l	81
6) Chloroethane	2.79	64	3460	43.427	ug/l	94
7) Trichlorofluoromethane	3.14	101	8843	52.353	ug/l	99
8) Diethyl Ether	3.54	74	3436	57.582	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	3.91	101	5166	50.431	ug/l #	67
10) Methyl Iodide	4.10	142	2606	18.623	ug/l	93
11) Tert butyl alcohol	4.96	59	3511	317.641	ug/l #	73
12) 1,1-Dichloroethene	3.88	96	5803	57.382	ug/l	90
13) Acrolein	3.74	56	1652	127.480	ug/l #	62
14) Allyl chloride	4.49	41	7211	43.028	ug/l	94
15) Acrylonitrile	5.18	53	9446	282.821	ug/l	97
16) Acetone	3.95	43	10399	304.022	ug/l #	82
17) Carbon Disulfide	4.19	76	12309	38.658	ug/l	96
18) Methyl Acetate	4.48	43	6504	76.531	ug/l	99
19) Methyl tert-butyl Ether	5.23	73	17116	60.798	ug/l	94
20) Methylene Chloride	4.73	84	5629	48.702	ug/l	91
21) trans-1,2-Dichloroethene	5.23	96	5394	46.490	ug/l #	73
22) Diisopropyl ether	6.13	45	17438	49.197	ug/l #	76
23) Vinyl Acetate	6.13	43	9226	39.898	ug/l #	71
24) 1,1-Dichloroethane	6.02	63	10527	54.410	ug/l #	87
25) 2-Butanone	7.00	43	12298	255.232	ug/l	97
26) 2,2-Dichloropropane	6.99	77	4060	22.773	ug/l	89
27) cis-1,2-Dichloroethene	7.00	96	6097	48.563	ug/l	98
28) Bromochloromethane	7.34	49	4826	58.106	ug/l	98
29) Tetrahydrofuran	7.37	42	8233	281.941	ug/l #	89
30) Chloroform	7.52	83	9979	51.216	ug/l	96
31) Cyclohexane	7.80	56	9120	45.132	ug/l #	82
32) 1,1,1-Trichloroethane	7.71	97	8338	48.135	ug/l	95
36) 1,1-Dichloropropene	7.93	75	7290	49.083	ug/l	97
37) Ethyl Acetate	7.09	43	2699	30.690	ug/l #	72
38) Carbon Tetrachloride	7.91	117	7239	50.339	ug/l	87

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000384.D
 Acq On : 23 Oct 2019 16:23
 Operator : SY/MD
 Sample : K5494-03MSD
 Misc : 6.,40G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP1-2FTMSD

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 4:30:39 PM

Quant Time: Oct 24 05:07:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	9049	46.551	ug/l	86
40) Benzene	8.17	78	22998	53.581	ug/l	92
41) Methacrylonitrile	7.33	41	2719	64.952	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	7351	59.957	ug/l	100
43) Isopropyl Acetate	8.28	43	5852	34.996	ug/l	94
44) Trichloroethene	8.95	130	8097	67.233	ug/l	97
45) 1,2-Dichloropropane	9.22	63	5899	56.004	ug/l #	84
46) Dibromomethane	9.32	93	3320	56.384	ug/l	93
47) Bromodichloromethane	9.49	83	6189	44.600	ug/l #	72
48) Methyl methacrylate	9.30	41	2903	39.613	ug/l	94
49) 1,4-Dioxane	9.30	88	1045	1183.645	ug/l #	76
51) 4-Methyl-2-Pentanone	10.08	43	18821	218.223	ug/l	98
52) Toluene	10.25	92	12669	46.490	ug/l	92
53) t-1,3-Dichloropropene	10.47	75	4038	27.152	ug/l	95
54) cis-1,3-Dichloropropene	9.93	75	7089	41.974	ug/l #	84
55) 1,1,2-Trichloroethane	10.64	97	4708	54.992	ug/l #	81
56) Ethyl methacrylate	10.51	69	3051	25.002	ug/l	96
57) 1,3-Dichloropropane	10.79	76	8192	55.716	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.78	63	1615	33.180	ug/l #	85
59) 2-Hexanone	10.84	43	10098	166.805	ug/l	91
60) Dibromochloromethane	10.99	129	3654	38.507	ug/l	95
61) 1,2-Dibromoethane	11.09	107	4257	51.787	ug/l	87
64) Tetrachloroethene	10.72	164	10009	81.361	ug/l	88
65) Chlorobenzene	11.52	112	13293	48.744	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.60	131	4329	45.189	ug/l	88
67) Ethyl Benzene	11.59	91	24235	47.938	ug/l	99
68) m/p-Xylenes	11.70	106	17488	90.489	ug/l	97
69) o-Xylene	12.03	106	8745	47.433	ug/l	93
70) Styrene	12.04	104	11928	38.362	ug/l	97
71) Bromoform	12.21	173	2034	36.934	ug/l #	88
73) Isopropylbenzene	12.33	105	22992	61.934	ug/l	96
74) N-amyl acetate	12.15	43	614	6.737	ug/l #	80
75) 1,1,2,2-Tetrachloroethane	12.58	83	1537	22.051	ug/l	94
76) 1,2,3-Trichloropropane	12.63	75	4622m	78.949	ug/l	
77) Bromobenzene	12.61	156	5079	61.483	ug/l	83
78) n-propylbenzene	12.67	91	23865	53.543	ug/l	93
79) 2-Chlorotoluene	12.76	91	14314	58.150	ug/l	89
80) 1,3,5-Trimethylbenzene	12.81	105	19481	62.582	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	211	7.886	ug/l #	5
82) 4-Chlorotoluene	12.86	91	13335	51.249	ug/l	94
83) tert-Butylbenzene	13.08	119	17296	65.612	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	18117	58.969	ug/l	97
85) sec-Butylbenzene	13.25	105	22444	58.855	ug/l	98
86) p-Isopropyltoluene	13.37	119	18056	54.310	ug/l	98
87) 1,3-Dichlorobenzene	13.36	146	9141	56.163	ug/l	98
88) 1,4-Dichlorobenzene	13.44	146	7736	47.553	ug/l	90
89) n-Butylbenzene	13.69	91	14971	45.568	ug/l	93
90) Hexachloroethane	13.95	117	1295	21.035	ug/l	62
91) 1,2-Dichlorobenzene	13.74	146	8728	59.255	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	140	10.591	ug/l #	42

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
Data File : VY000384.D
Acq On : 23 Oct 2019 16:23
Operator : SY/MD
Sample : K5494-03MSD
Misc : 6.,40G/5ML/MSVOA Y/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Manual Integrations
APPROVED

MMDadoda
10/24/2019 4:30:39 PM

Quant Time: Oct 24 05:07:41 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 17 02:03:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	3414	33.290	ug/l	96
94) Hexachlorobutadiene	15.11	225	2420	43.605	ug/l	84
95) Naphthalene	15.23	128	7793	34.052	ug/l	98
96) 1,2,3-Trichlorobenzene	15.42	180	3231	34.958	ug/l	91

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

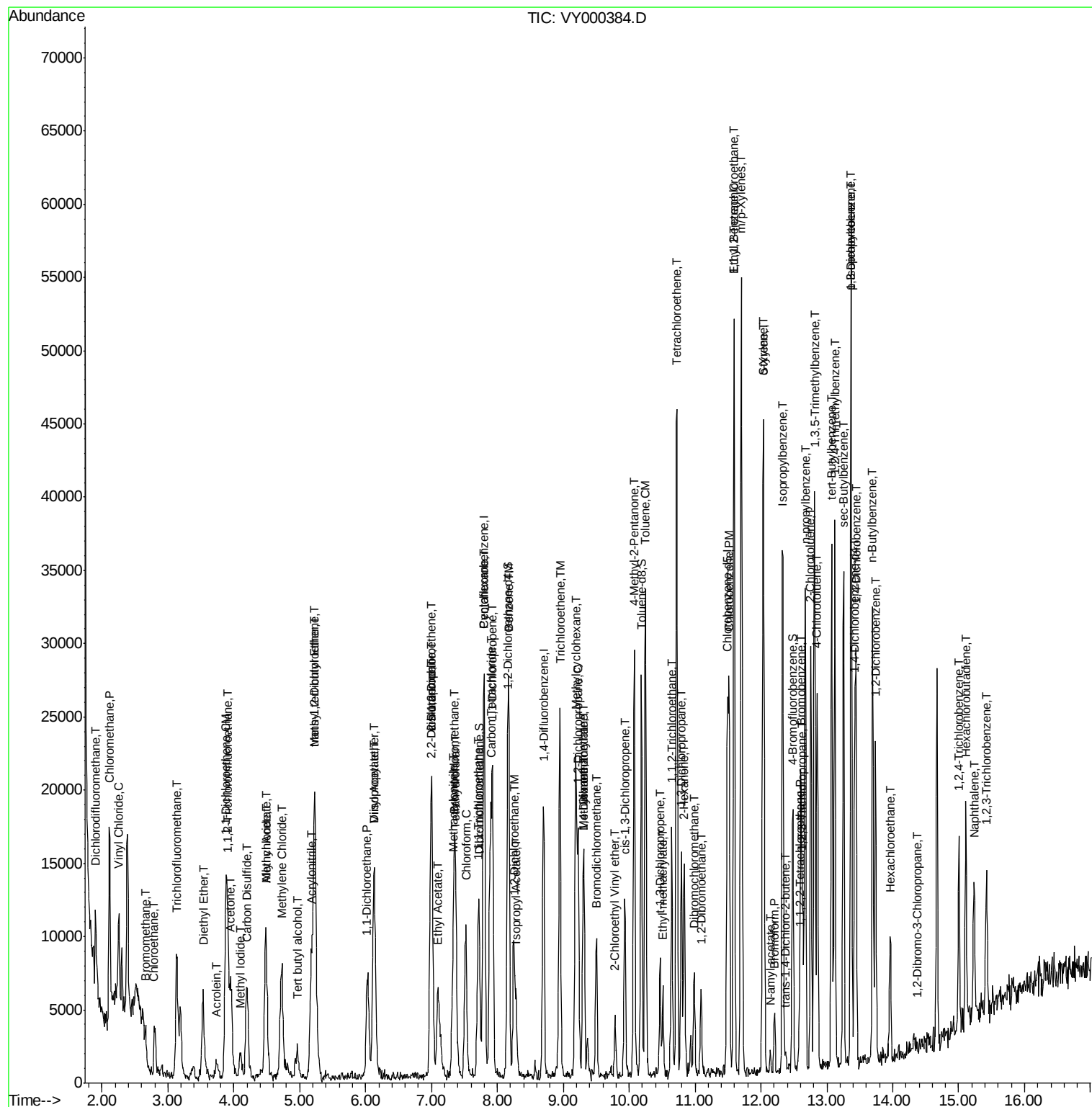
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY102319\
 Data File : VY000384.D
 Acq On : 23 Oct 2019 16:23
 Operator : SY/MD
 Sample : K5494-03MSD
 Misc : 6.,40G/5ML/MSVOA Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

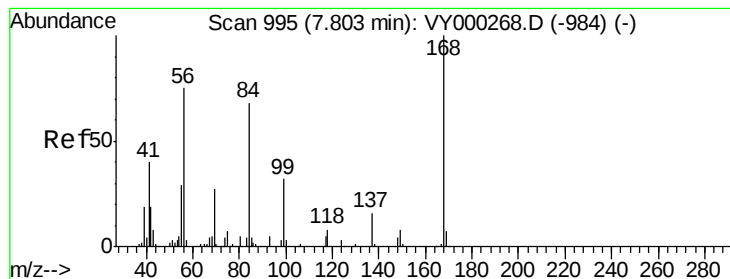
Instrument :
 MSVOA_Y
 Client Sample Id :
 TP1-2FTMSD

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 4:30:39 PM

Quant Time: Oct 24 05:07:41 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y101119S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 17 02:03:07 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.00 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Instrument :

MSVOA_Y

ClientSampleId :

TP1-2FTMSD

Tot Ion:168 Resp: 10013

Ion Ratio Lower Upper

168 100

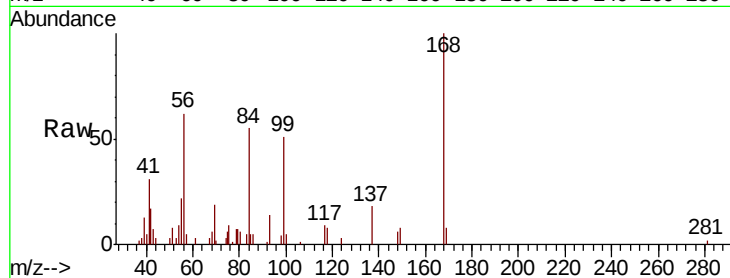
99 50.8 46.6 69.8

Manual Integrations

APPROVED

MMDadoda

10/24/2019 4:30:39 PM



Abundance Ion 167.90 (167.60 to 168.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

7.80

5000

4000

3000

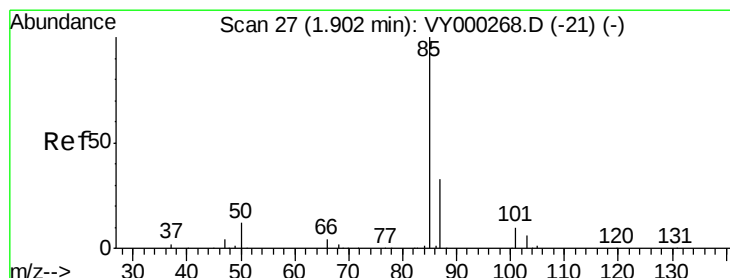
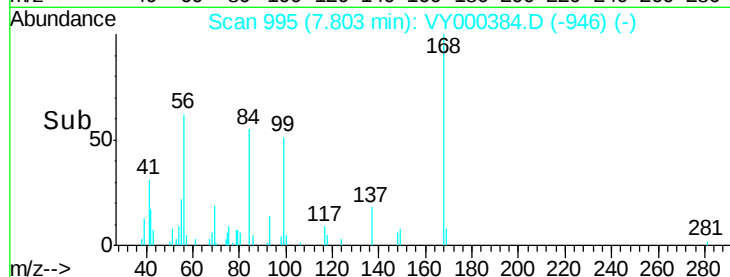
2000

1000

0

7.70 7.75 7.80 7.85 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 45.630 ug/l

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000384.D

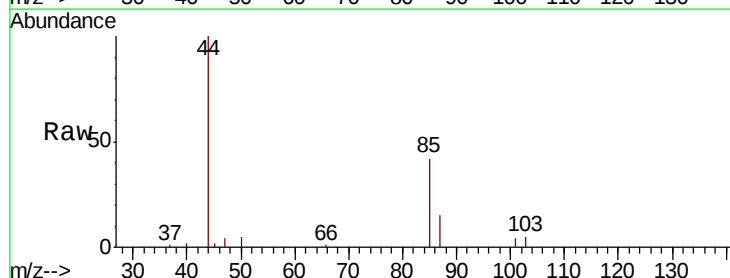
Acq: 23 Oct 2019 16:23

Tgt Ion: 85 Resp: 3639

Ion Ratio Lower Upper

85 100

87 35.1 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VY0

Ion 86.90 (86.60 to 87.60): VY0

1.90

3000

2500

2000

1500

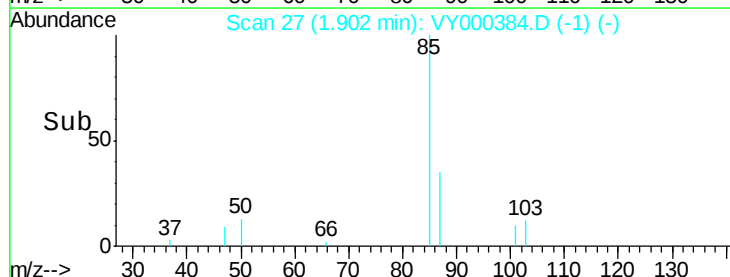
1000

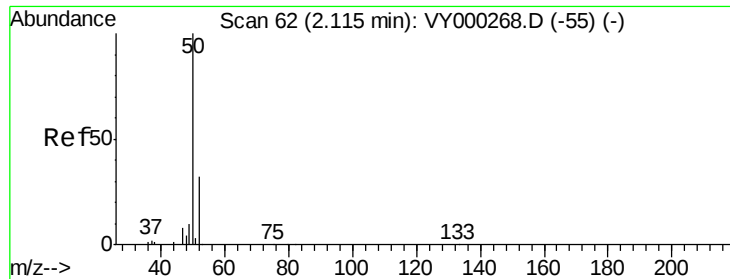
500

0

1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 83.135 ug/l

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Instrument :

MSVOA_Y

ClientSampleId :

TP1-2FTMSD

Tot Ion: 50 Resp: 10172

Ion Ratio Lower Upper

50 100

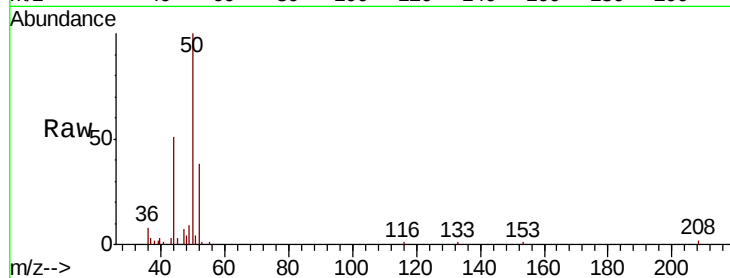
52 37.9 25.3 37.9

Manual Integrations

APPROVED

MMDadoda

10/24/2019 4:30:39 PM



Abundance Ion 49.90 (49.60 to 50.60): VY0

Ion 51.90 (51.60 to 52.60): VY0

2.11

8000

6000

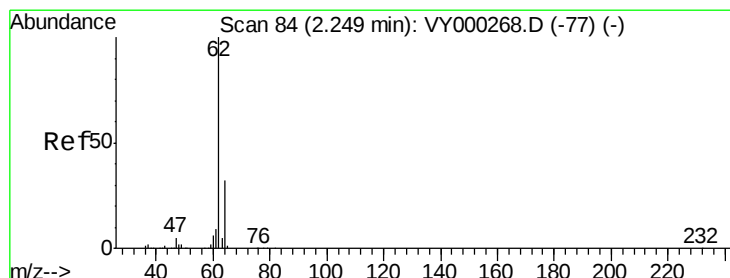
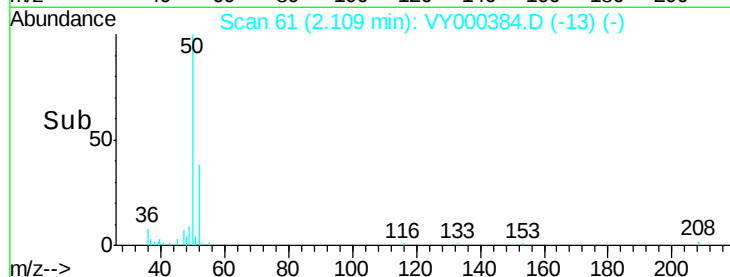
4000

2000

0

Time-->

2.05 2.10 2.15 2.20



#4

Vinyl Chloride

Concen: 44.062 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY000384.D

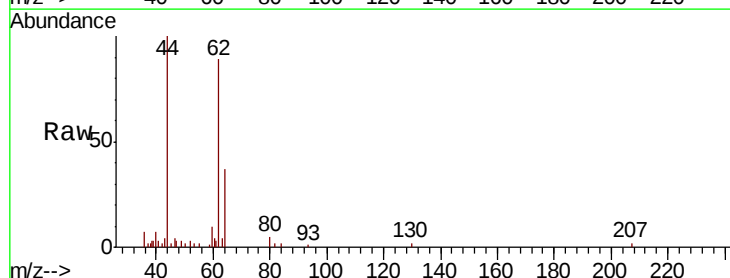
Acq: 23 Oct 2019 16:23

Tgt Ion: 62 Resp: 5441

Ion Ratio Lower Upper

62 100

64 41.5 25.6 38.4#



Abundance Ion 61.90 (61.60 to 62.60): VY0

Ion 63.90 (63.60 to 64.60): VY0

2.26

3000

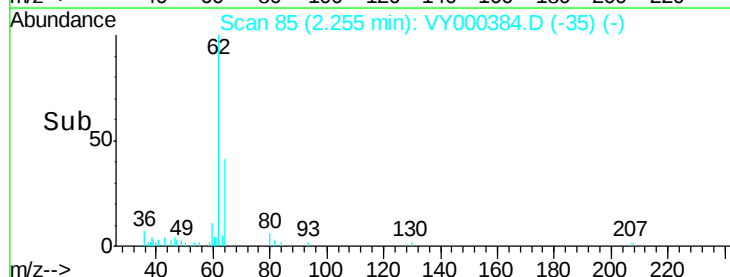
2000

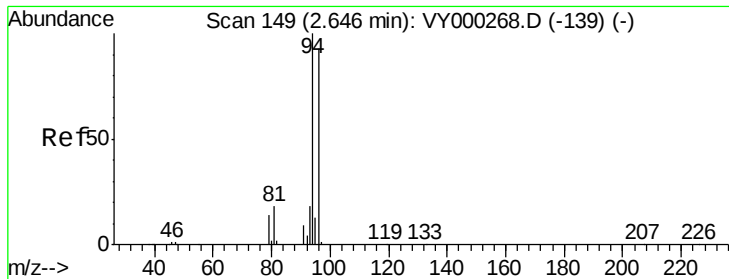
1000

0

Time-->

2.20 2.25 2.30





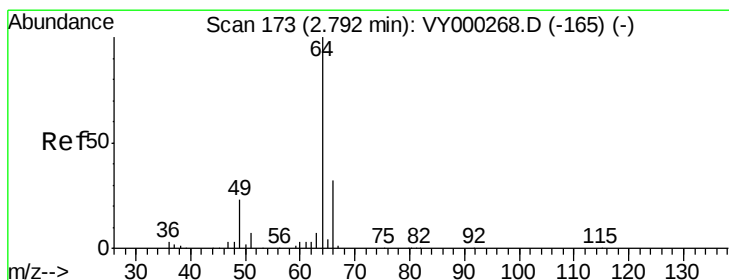
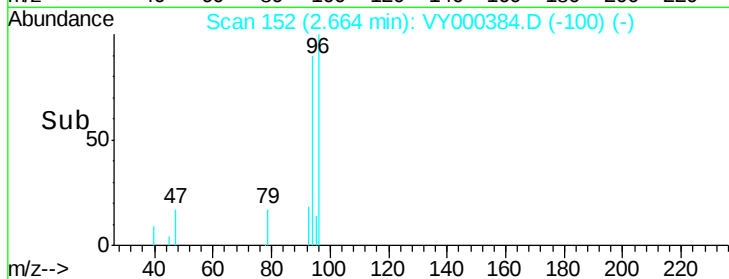
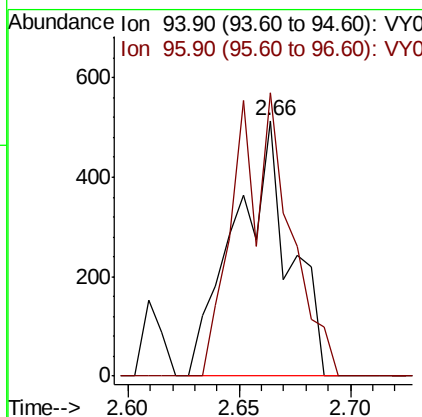
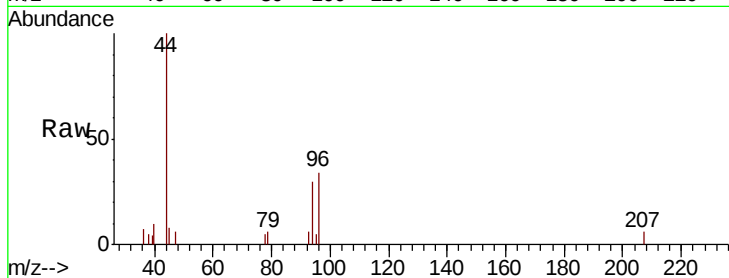
#5
Bromomethane
Concen: 9.572 ug/l
RT: 2.66 min Scan# 152
Delta R.T. 0.02 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Tot Ion	Ratio	Lower	Upper
94	100		
96	110.7	74.2	111.2

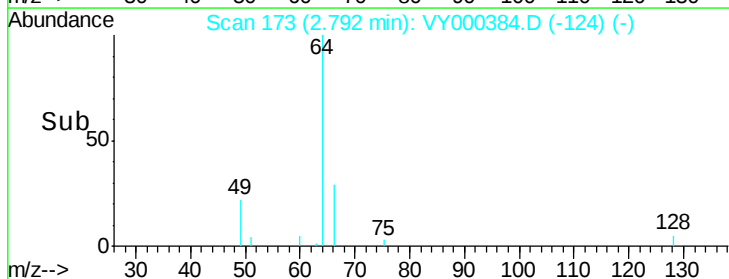
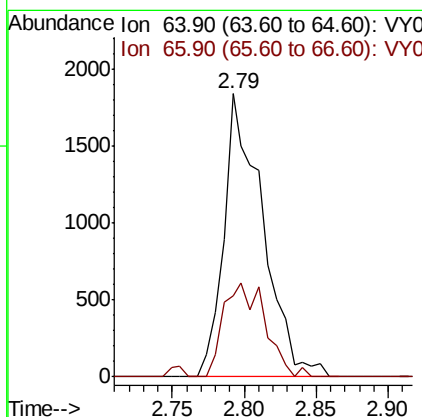
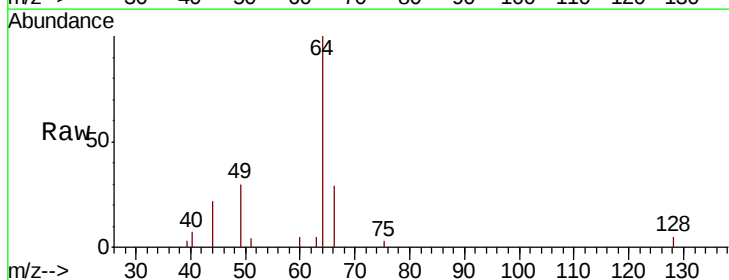
Manual Integrations
APPROVED

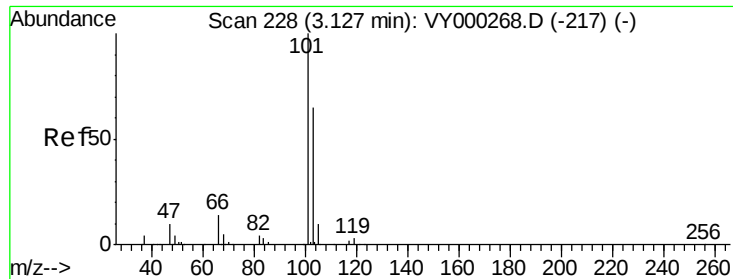
MMDadoda
10/24/2019 4:30:39 PM



#6
Chloroethane
Concen: 43.427 ug/l
RT: 2.79 min Scan# 173
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
64	100		
66	28.8	25.6	38.4





#7

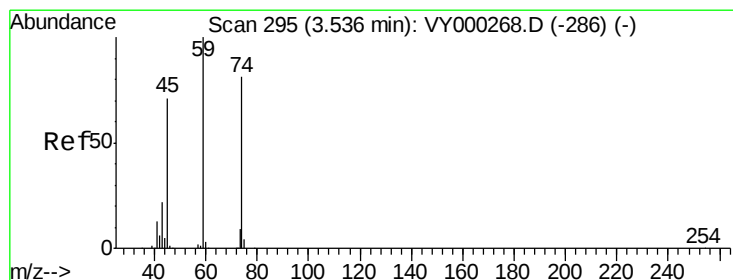
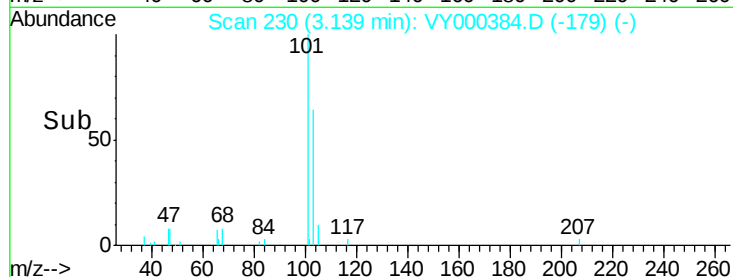
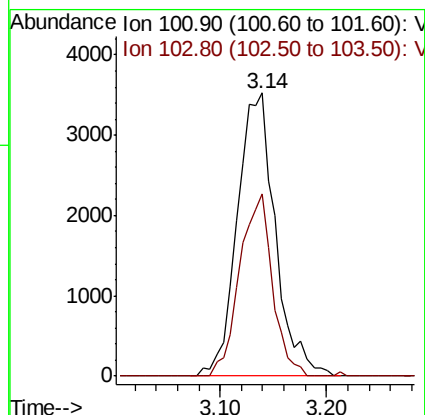
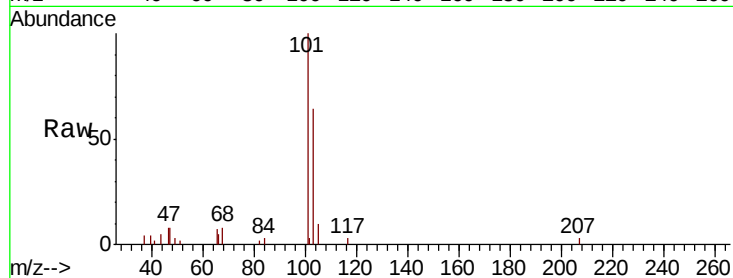
Trichlorofluoromethane
Concen: 52.353 ug/l
RT: 3.14 min Scan# 230
Delta R.T. 0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.2	78.4

Manual Integrations
APPROVED

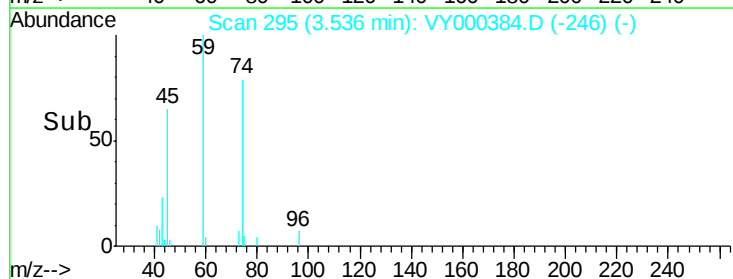
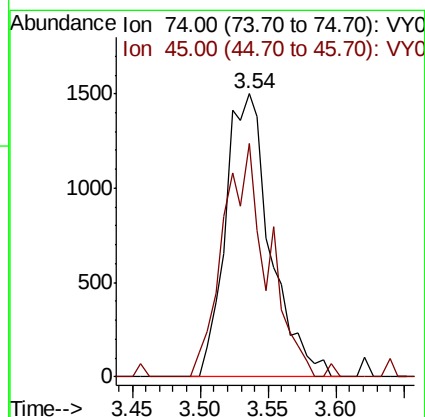
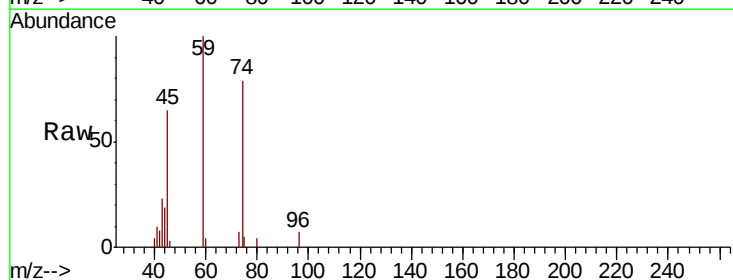
MMDadoda
10/24/2019 4:30:39 PM

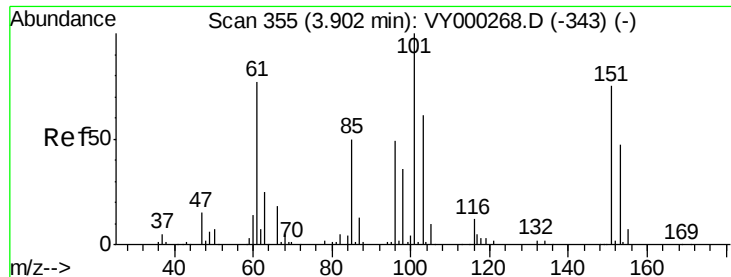


#8

Diethyl Ether
Concen: 57.582 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	82.7	47.1	141.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.431 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Instrument :

MSVOA_Y

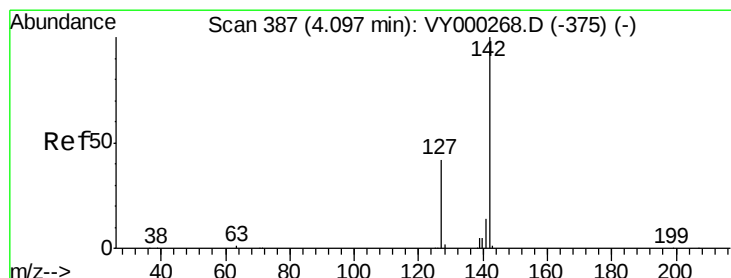
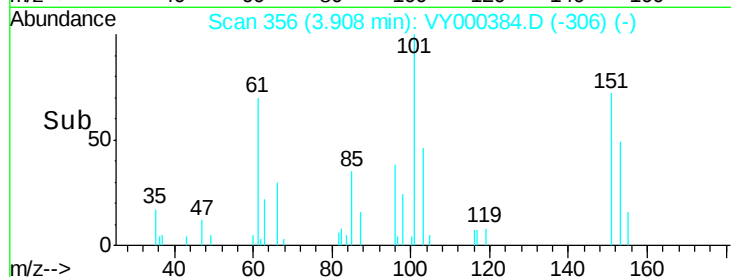
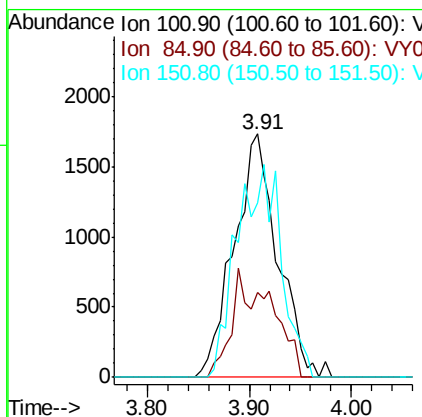
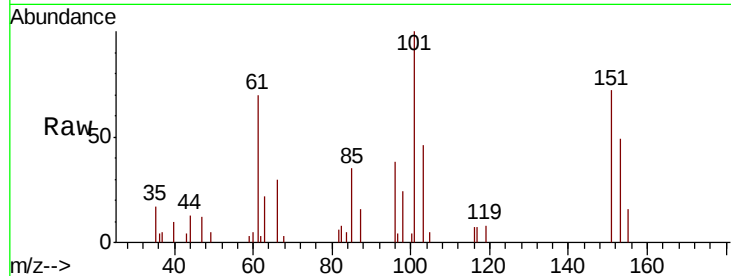
ClientSampleId :

TP1-2FTMSD

Tot Ion:	101	Resp:	5166
Ion Ratio	Lower	Upper	
101	100		
85	0.0	36.6	55.0#
151	88.7	63.1	94.7

Manual Integrations
APPROVED

MMDadoda
10/24/2019 4:30:39 PM



#10

Methyl Iodide

Concen: 18.623 ug/l

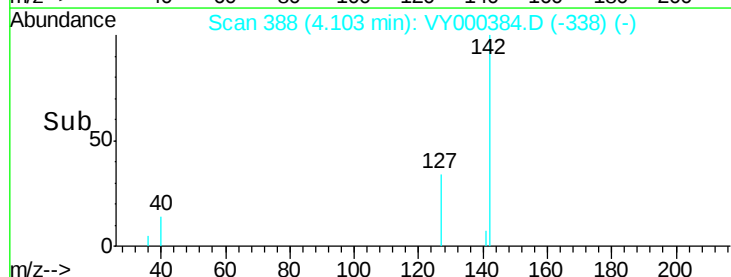
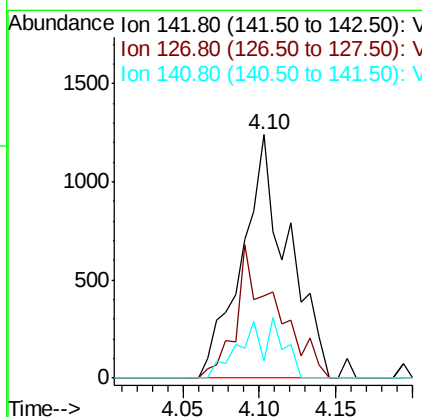
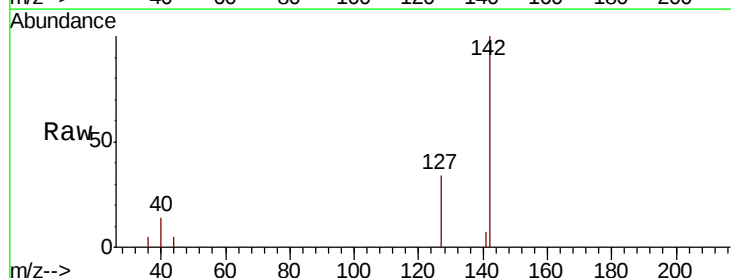
RT: 4.10 min Scan# 388

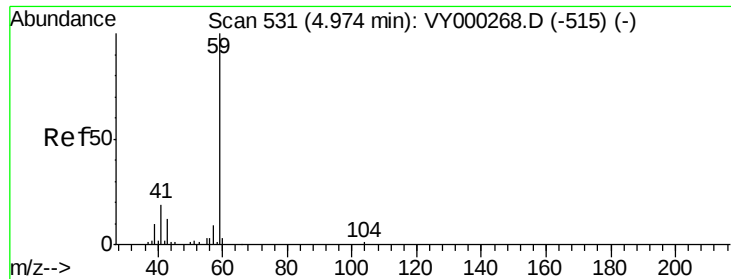
Delta R.T. 0.01 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Tgt Ion:	142	Resp:	2606
Ion Ratio	Lower	Upper	
142	100		
127	47.7	33.9	50.9
141	12.1	11.2	16.8





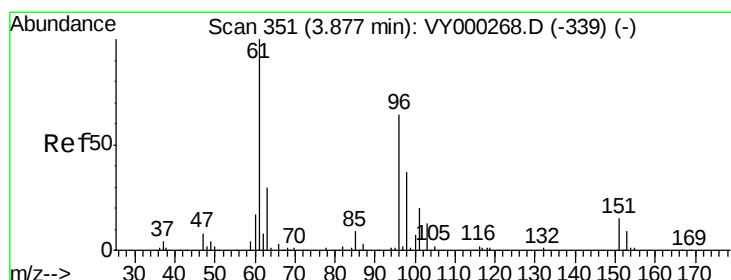
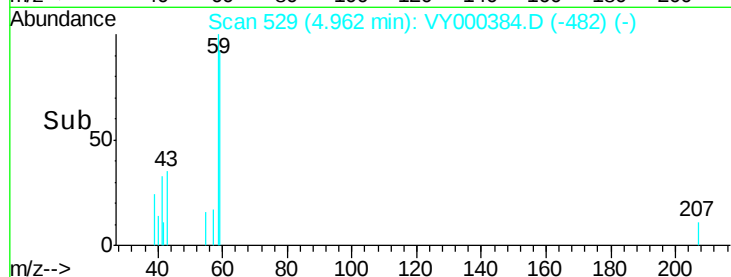
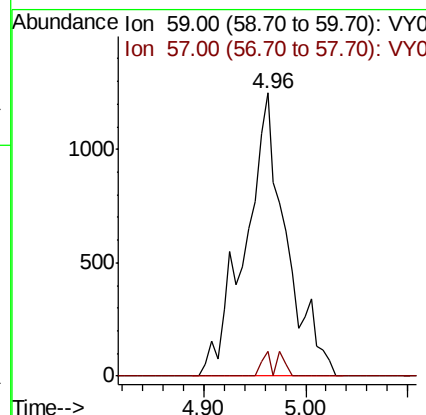
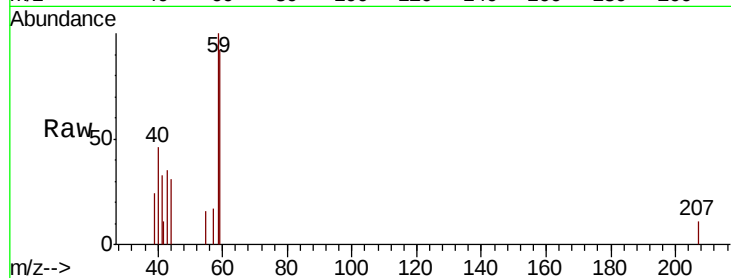
#11
Tert butyl alcohol
Concen: 317.641 ug/l
RT: 4.96 min Scan# 529
Delta R.T. -0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.2	12.2#

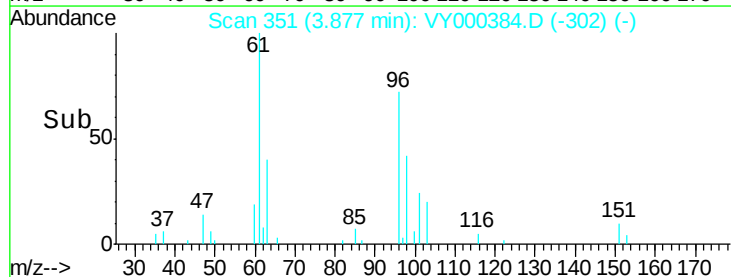
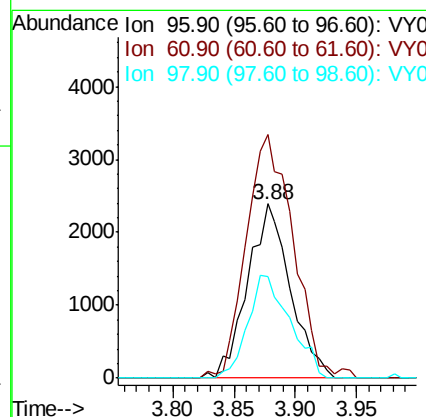
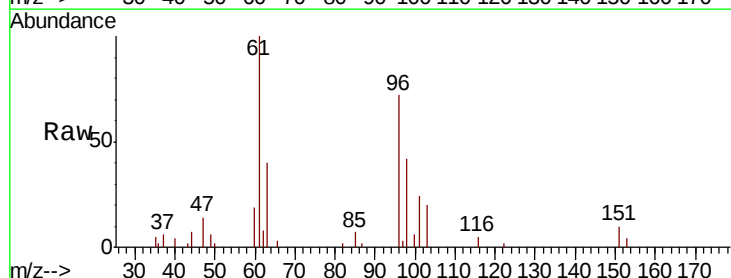
Manual Integrations
APPROVED

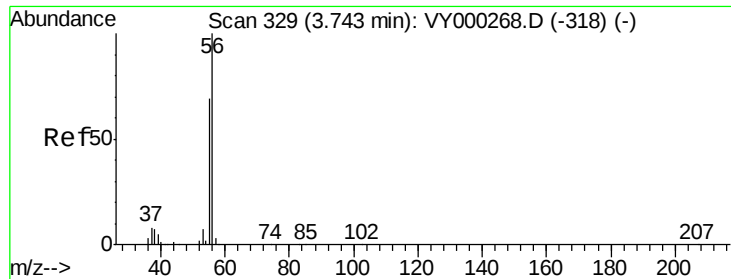
MMDadoda
10/24/2019 4:30:39 PM



#12
1,1-Dichloroethene
Concen: 57.382 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	139.8	125.8	188.6
98	58.1	46.2	69.2





#13

Acrolein

Concen: 127.480 ug/l

RT: 3.74 min Scan# 329

Delta R.T. 0.00 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Instrument :

MSVOA_Y

ClientSampleId :

TP1-2FTMSD

Tot Ion: 56 Resp: 1652

Ion Ratio Lower Upper

56 100

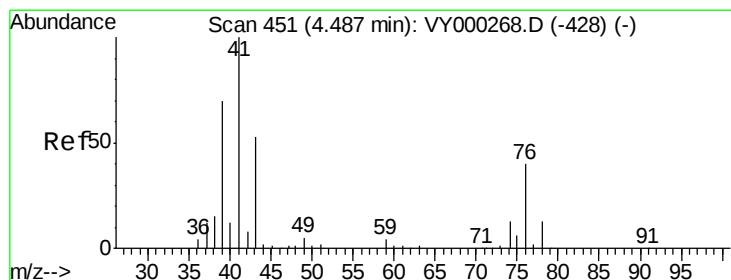
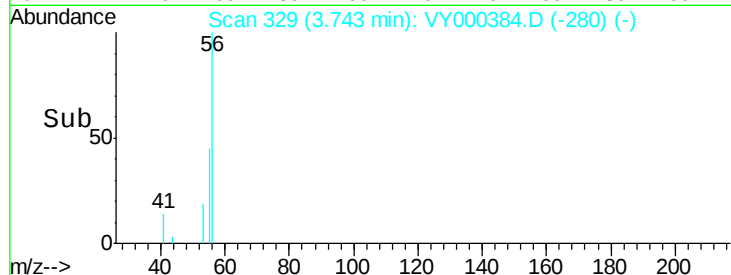
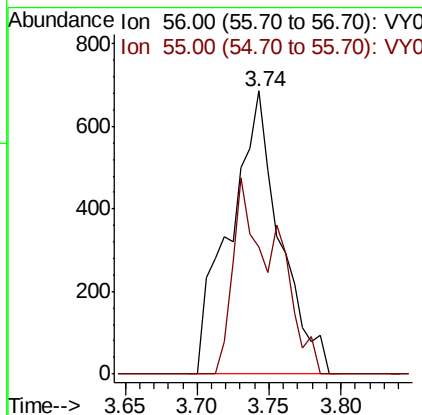
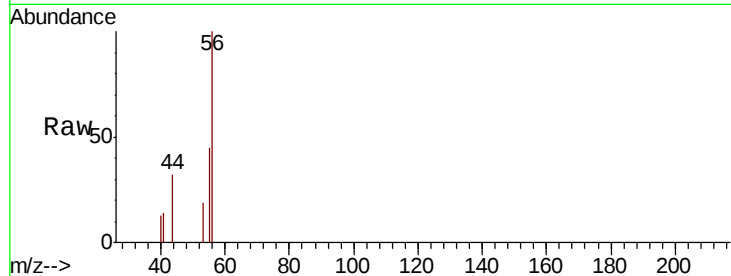
55 38.1 55.7 83.5#

Manual Integrations

APPROVED

MMDadoda

10/24/2019 4:30:39 PM



#14

Allyl chloride

Concen: 43.028 ug/l

RT: 4.49 min Scan# 452

Delta R.T. 0.01 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

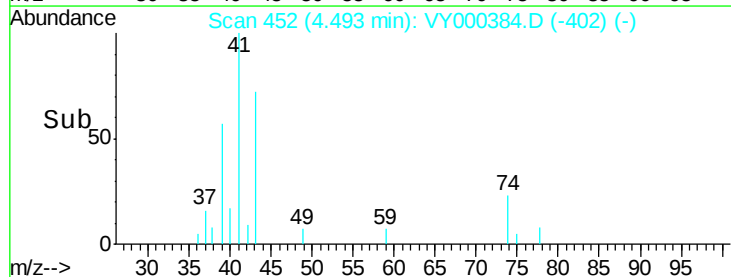
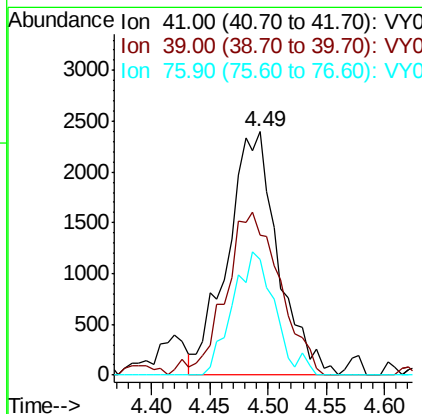
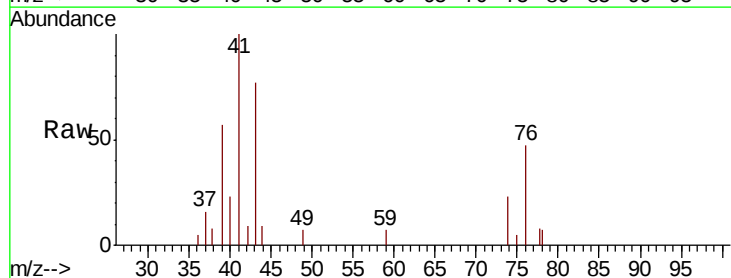
Tgt Ion: 41 Resp: 7211

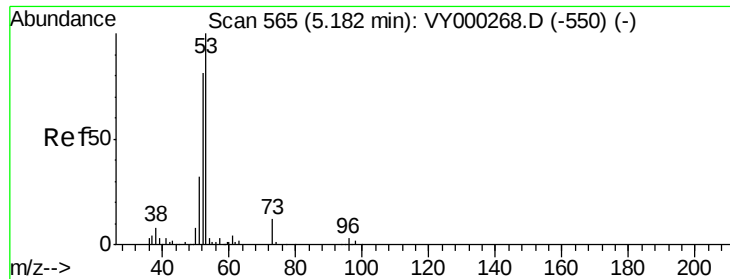
Ion Ratio Lower Upper

41 100

39 72.7 54.0 81.0

76 40.8 30.7 46.1





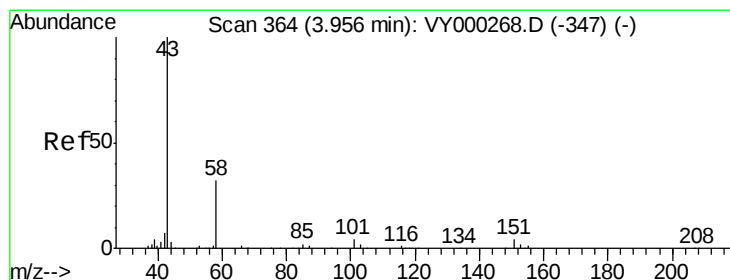
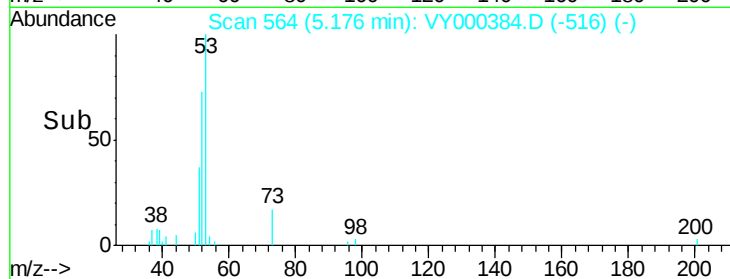
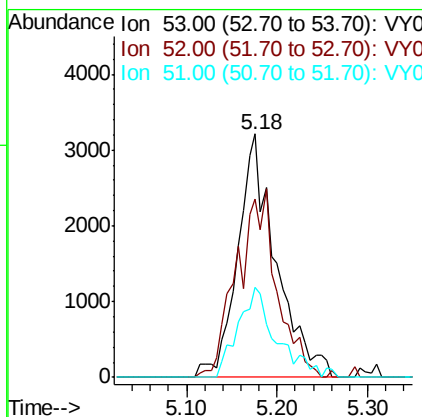
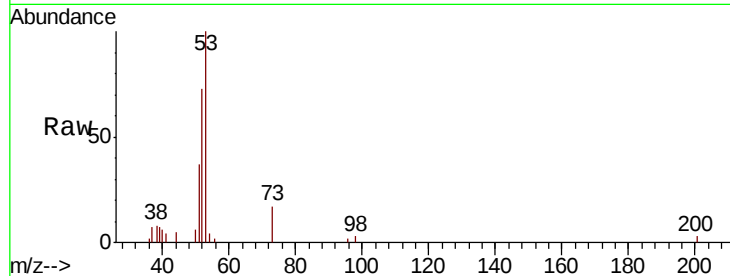
#15
 Acrylonitrile
 Concen: 282.821 ug/l
 RT: 5.18 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: VY000384.D
 Acq: 23 Oct 2019 16:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP1-2FTMSD

Tot Ion	Ratio	Lower	Upper
53	100		
52	80.4	62.9	94.3
51	36.2	26.9	40.3

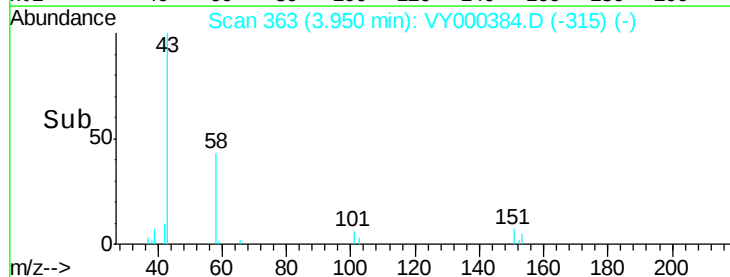
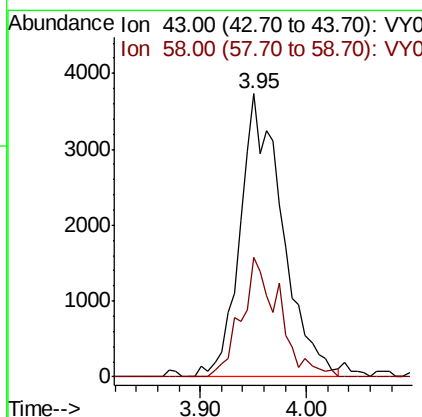
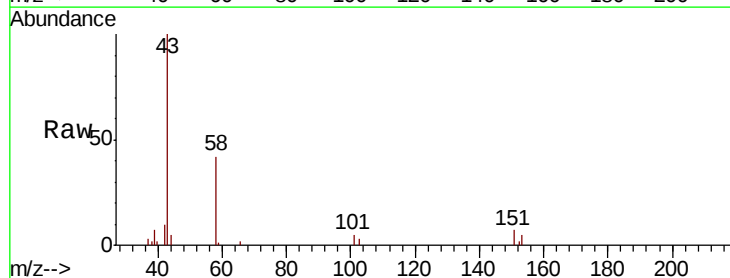
Manual Integrations
 APPROVED

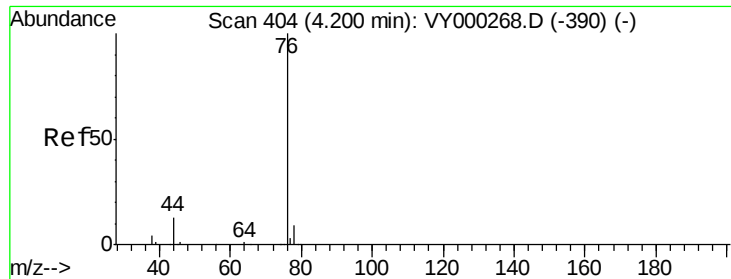
MMDadoda
 10/24/2019 4:30:39 PM



#16
 Acetone
 Concen: 304.022 ug/l
 RT: 3.95 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VY000384.D
 Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.0	25.8	38.6





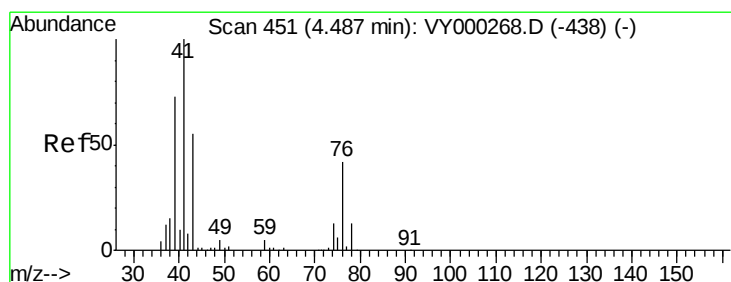
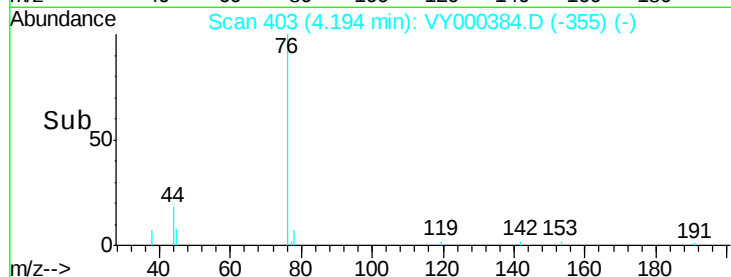
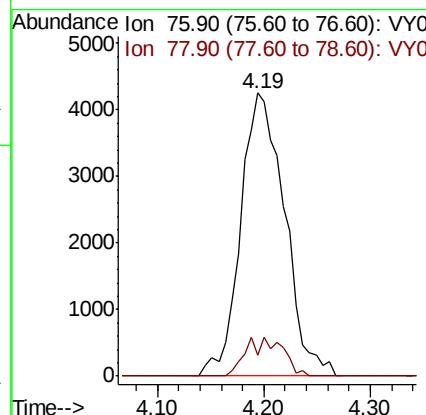
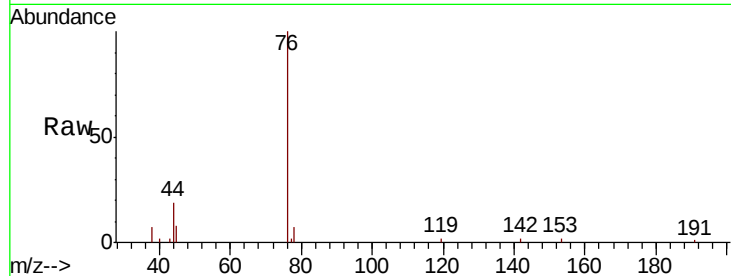
#17
Carbon Disulfide
Concen: 38.658 ug/l
RT: 4.19 min Scan# 403
Delta R.T. -0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.4	7.0	10.4

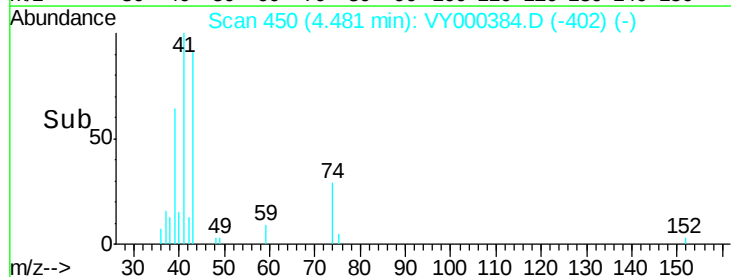
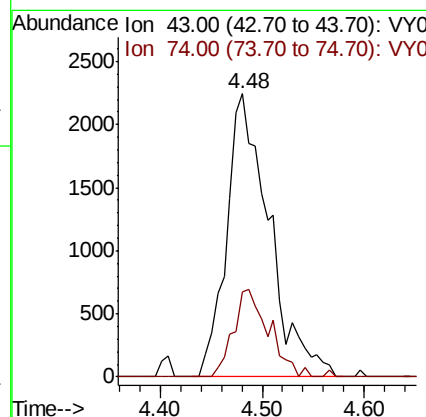
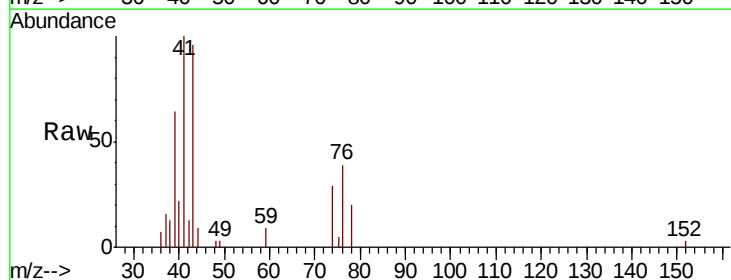
Manual Integrations
APPROVED

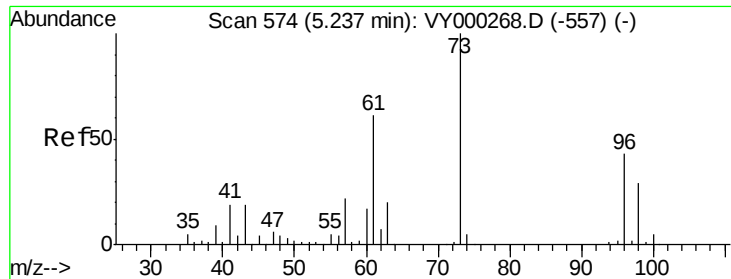
MMDadoda
10/24/2019 4:30:39 PM



#18
Methyl Acetate
Concen: 76.531 ug/l
RT: 4.48 min Scan# 450
Delta R.T. -0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.8	20.4	30.6





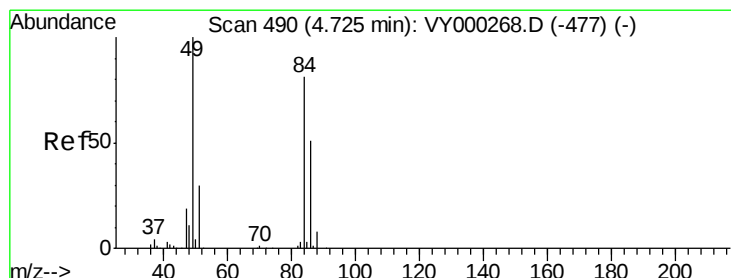
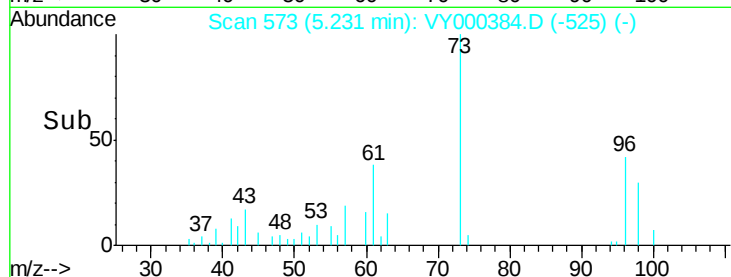
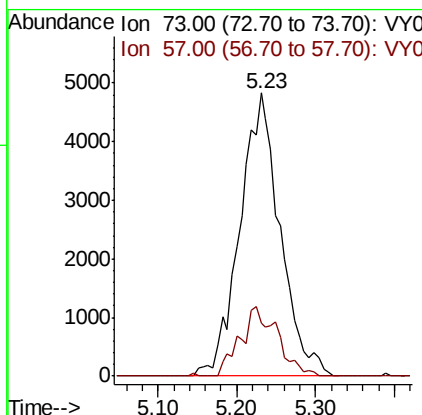
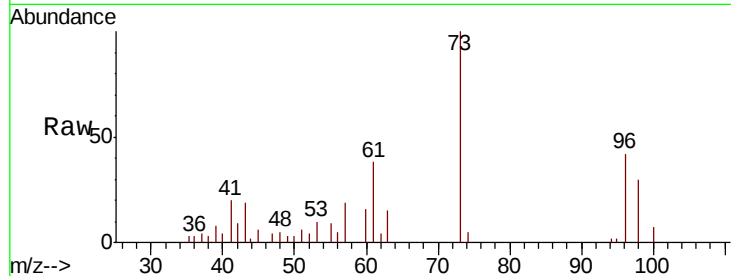
#19
Methvl tert-butvl Ether
Concen: 60.798 ug/l
RT: 5.23 min Scan# 573
Delta R.T. -0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Tot Ion: 73 Resp: 17116
Ion Ratio Lower Upper
73 100
57 18.9 17.4 26.0

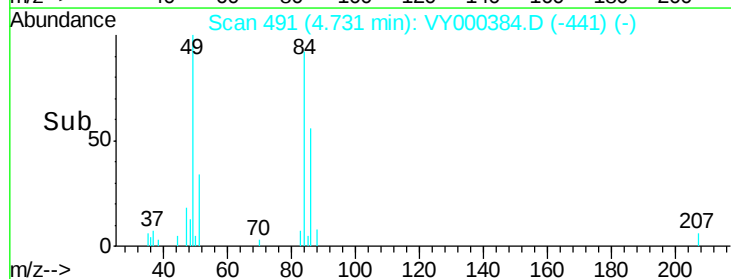
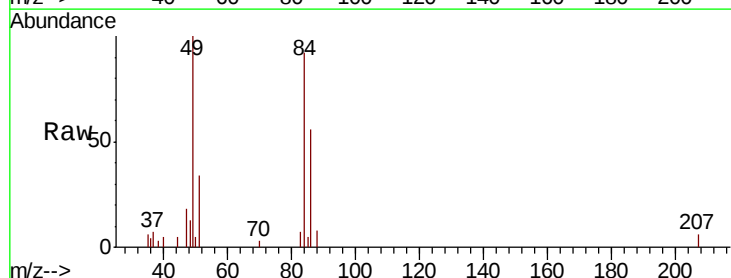
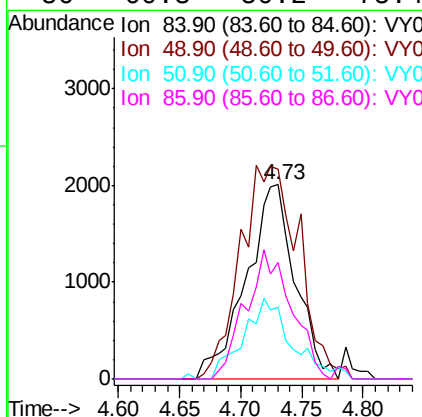
Manual Integrations
APPROVED

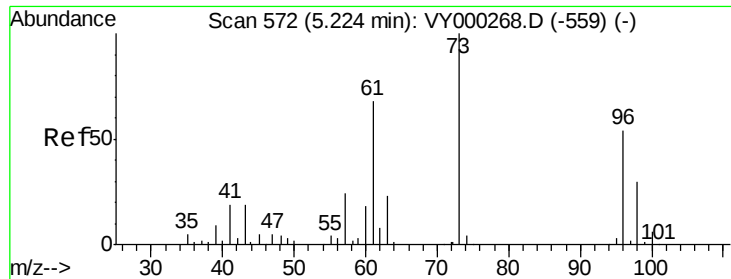
MMDadoda
10/24/2019 4:30:39 PM



#20
Methylene Chloride
Concen: 48.702 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion: 84 Resp: 5629
Ion Ratio Lower Upper
84 100
49 108.1 99.0 148.4
51 34.6 29.3 43.9
86 60.3 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 46.490 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Instrument :

MSVOA_Y

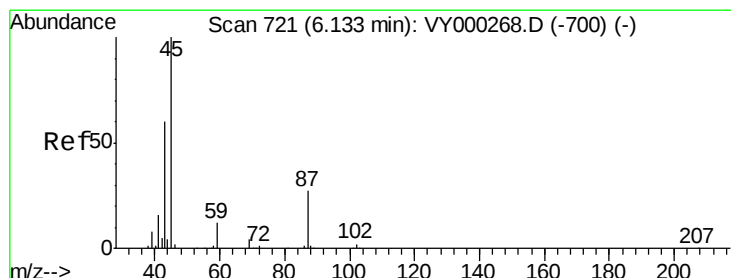
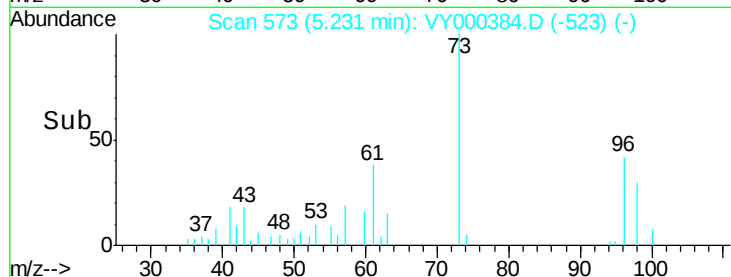
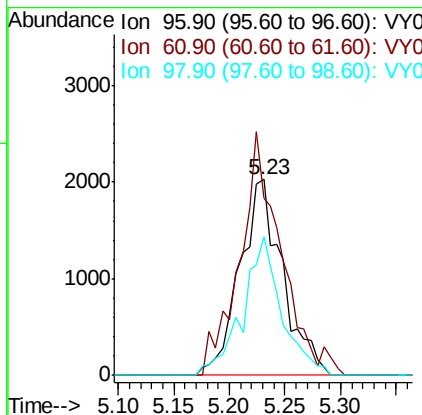
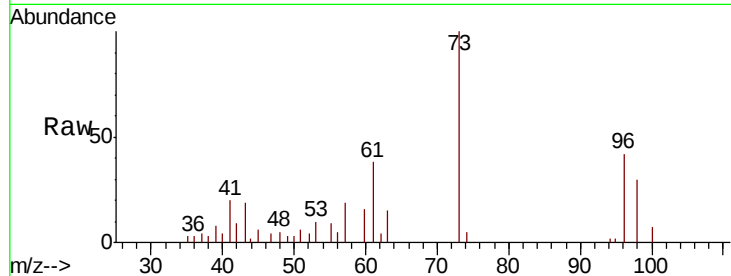
ClientSampleId :

TP1-2FTMSD

Tot Ion:	96	Resp:	5394
Ion	Ratio	Lower	Upper
96	100		
61	90.5	100.4	150.6#
98	70.5	44.6	66.8#

Manual Integrations
APPROVED

MMDadoda
10/24/2019 4:30:39 PM



#22

Diisopropyl ether

Concen: 49.197 ug/l

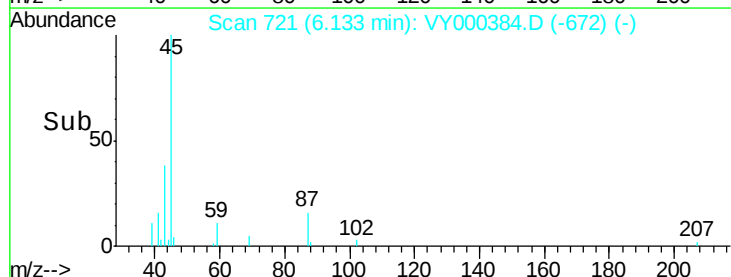
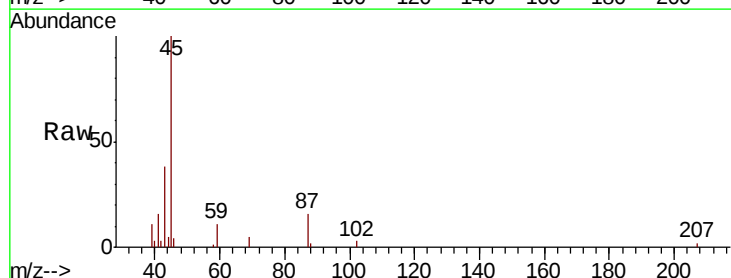
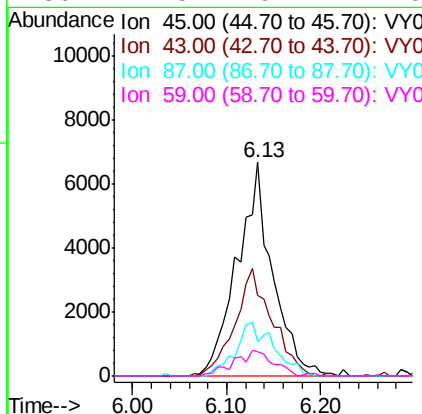
RT: 6.13 min Scan# 721

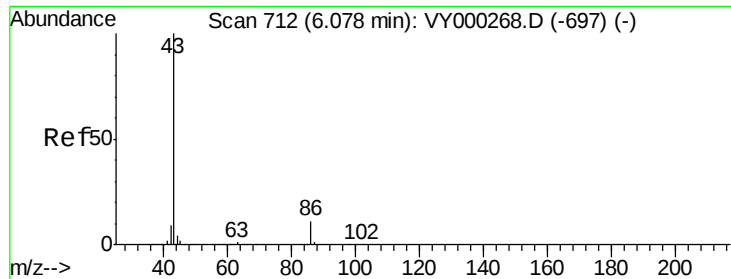
Delta R.T. 0.00 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Tgt Ion:	45	Resp:	17438
Ion	Ratio	Lower	Upper
45	100		
43	37.7	48.5	72.7#
87	16.1	21.5	32.3#
59	11.5	9.4	14.0





#23

Vinyl Acetate

Concen: 39.898 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.05 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Instrument :

MSVOA_Y

ClientSampleId :

TP1-2FTMSD

Tot Ion: 43 Resp: 9226

Ion Ratio Lower Upper

43 100

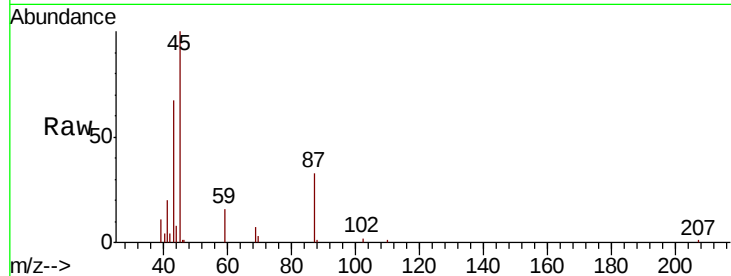
86 0.0 8.6 13.0#

Manual Integrations

APPROVED

MMDadoda

10/24/2019 4:30:39 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

6.13

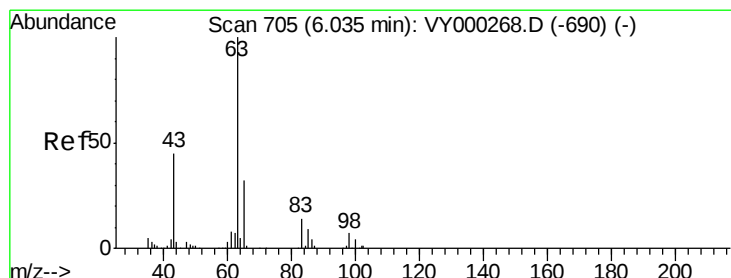
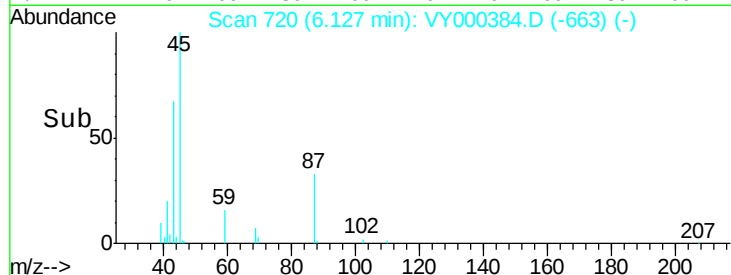
3000

2000

1000

0

Time--> 6.00 6.10 6.20



#24

1,1-Dichloroethane

Concen: 54.410 ug/l

RT: 6.02 min Scan# 702

Delta R.T. -0.02 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

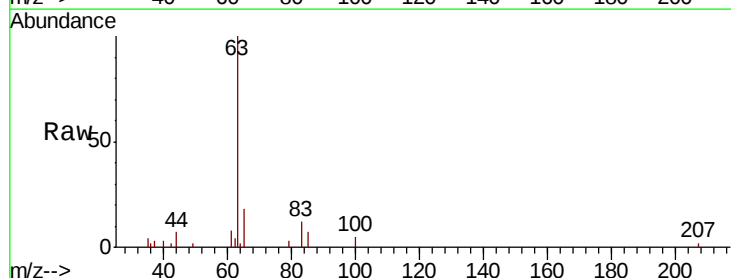
Tgt Ion: 63 Resp: 10527

Ion Ratio Lower Upper

63 100

98 0.0 3.5 10.4#

100 4.8 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

6.02

4000

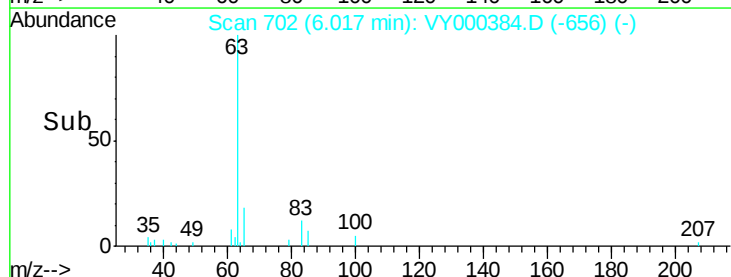
3000

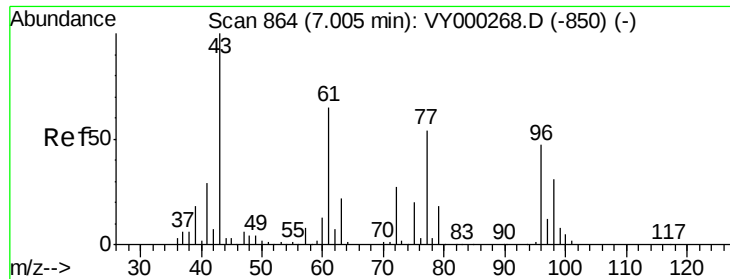
2000

1000

0

Time--> 5.90 5.95 6.00 6.05 6.10





#25

2-Butanone

Concen: 255.232 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.01 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Tot Ion: 43 Resp: 12298

Ion Ratio Lower Upper

43 100

72 28.3 21.4 32.2

Instrument :

MSVOA_Y

ClientSampleId :

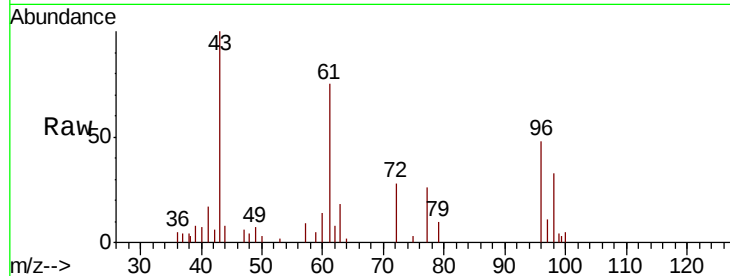
TP1-2FTMSD

Manual Integrations

APPROVED

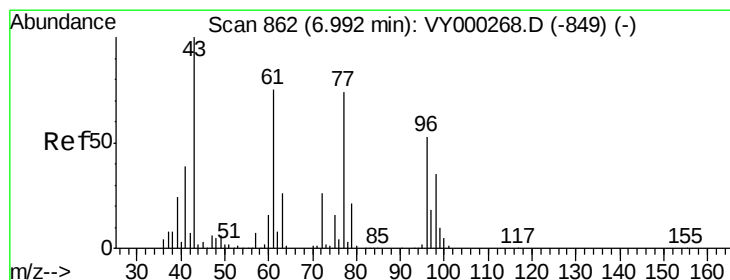
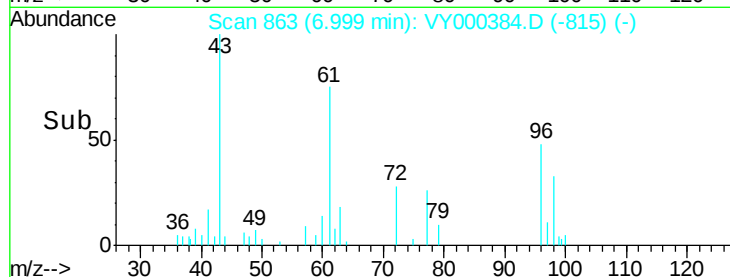
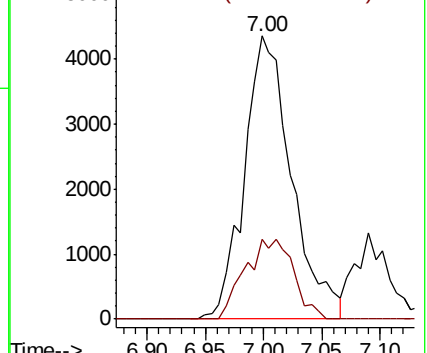
MMDadoda

10/24/2019 4:30:39 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: 22.773 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY000384.D

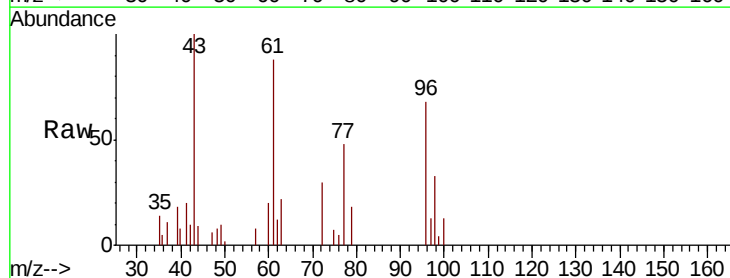
Acq: 23 Oct 2019 16:23

Tgt Ion: 77 Resp: 4060

Ion Ratio Lower Upper

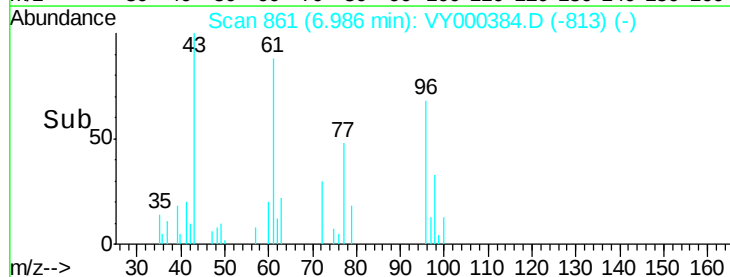
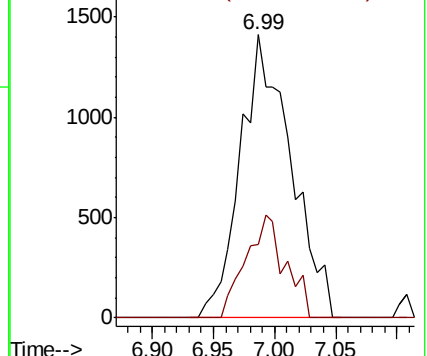
77 100

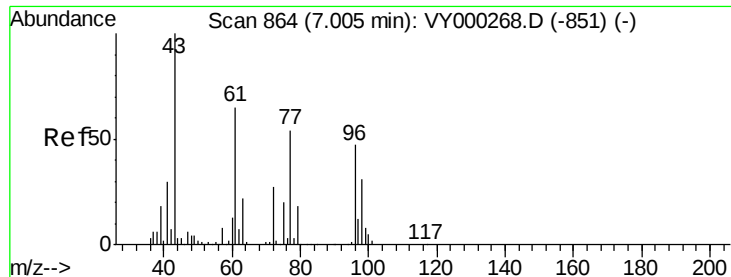
97 28.4 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

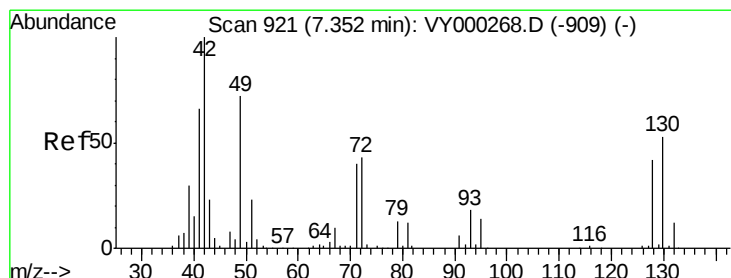
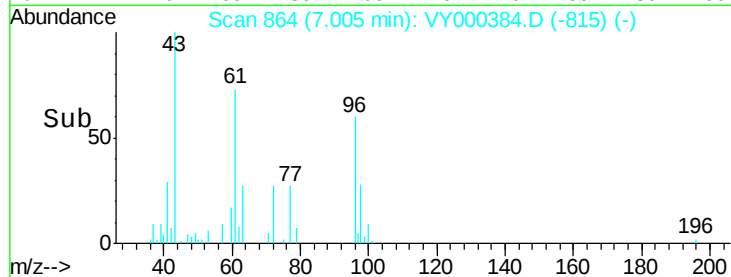
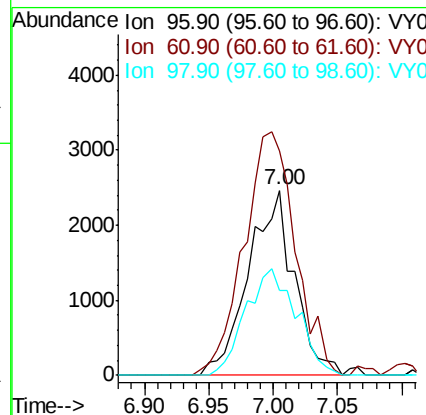
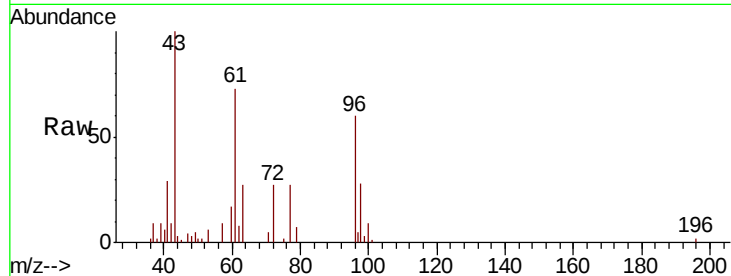
cis-1,2-Dichloroethene
Concen: 48.563 ug/l
RT: 7.00 min Scan# 864
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.5	0.0	289.8
98	63.7	0.0	131.8

Manual Integrations
APPROVED

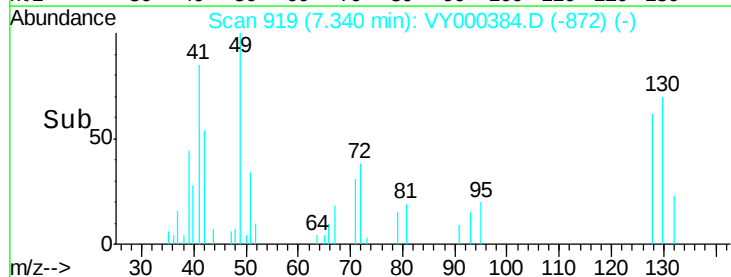
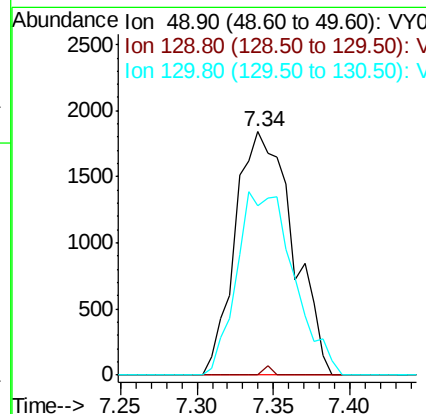
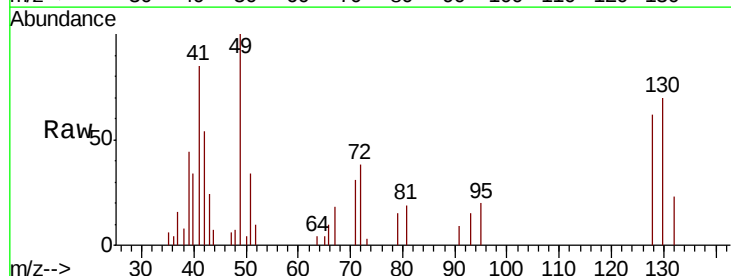
MMDadoda
10/24/2019 4:30:39 PM

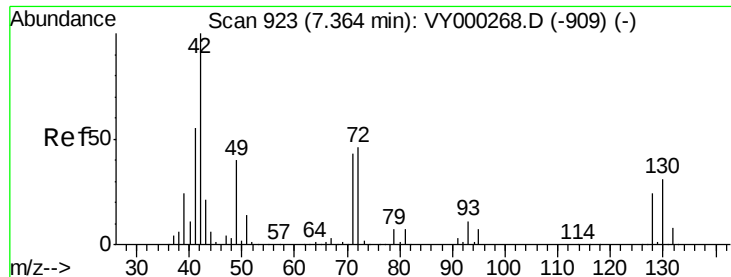


#28

Bromochloromethane
Concen: 58.106 ug/l
RT: 7.34 min Scan# 919
Delta R.T. -0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.5	0.0	4.0
130	74.5	58.2	87.2





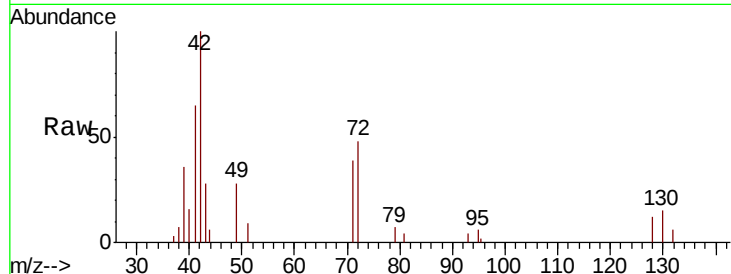
#29
Tetrahydrofuran
Concen: 281.941 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

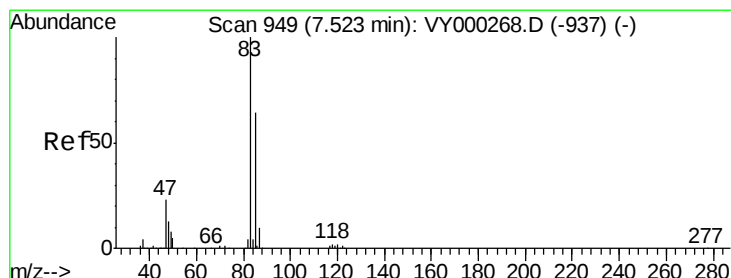
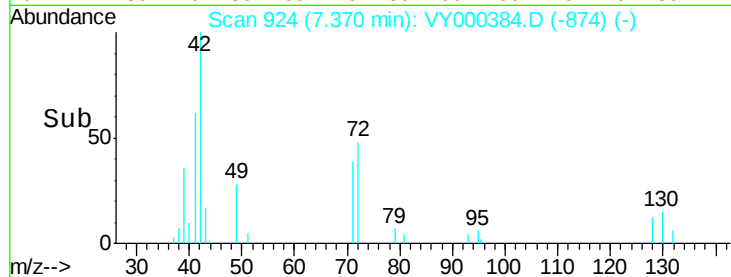
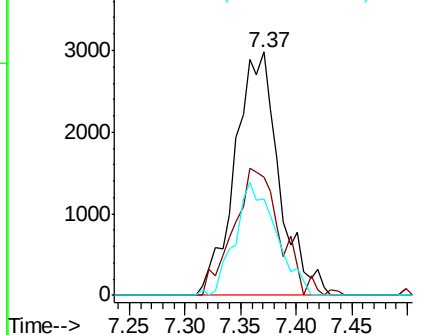
Tot Ion	Ratio	Lower	Upper
42	100		
72	54.4	34.5	51.7#
71	43.1	32.7	49.1

Manual Integrations
APPROVED

MMDadoda
10/24/2019 4:30:39 PM

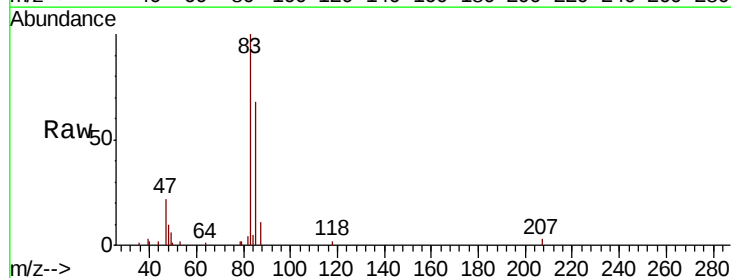


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

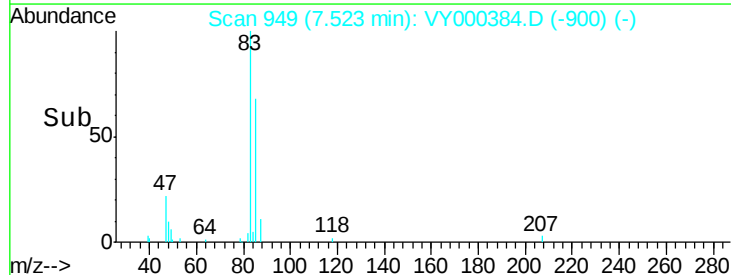
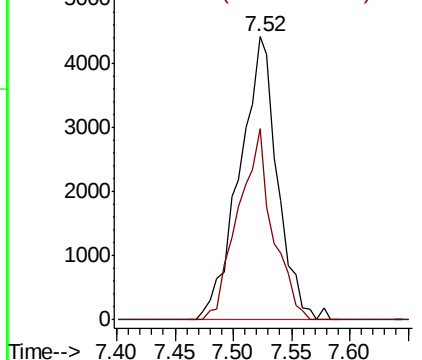


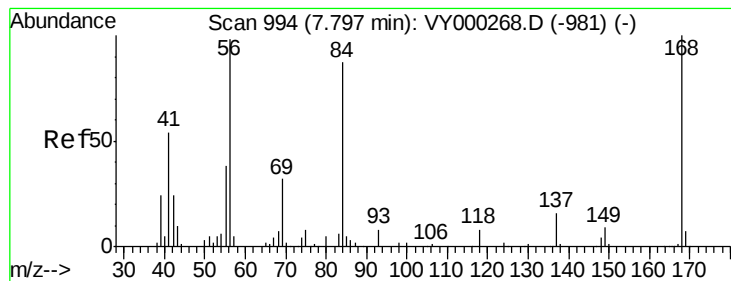
#30
Chloroform
Concen: 51.216 ug/l
RT: 7.52 min Scan# 949
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	51.4	77.2



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 45.132 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Instrument :

MSVOA_Y

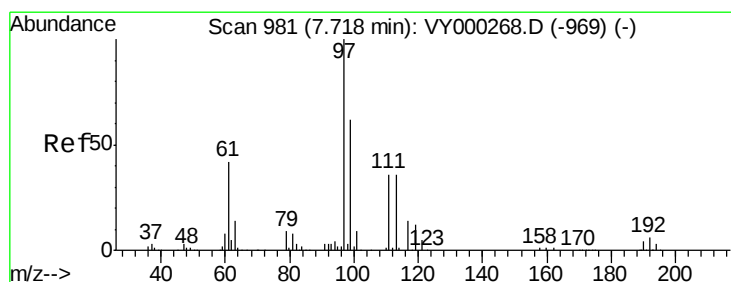
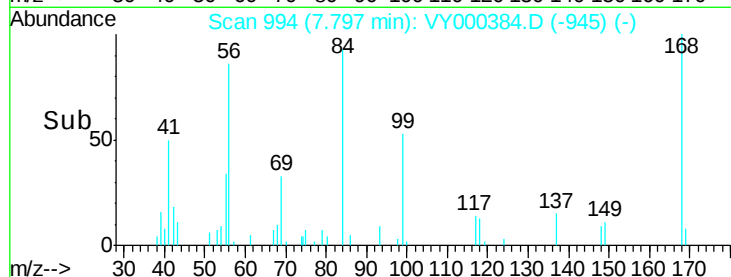
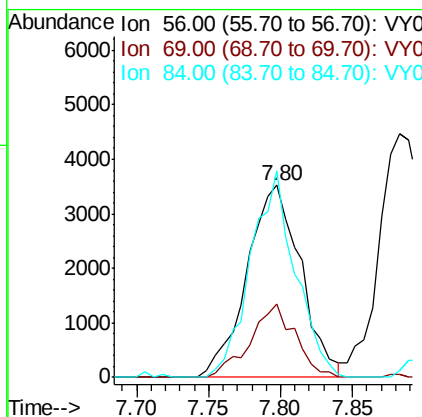
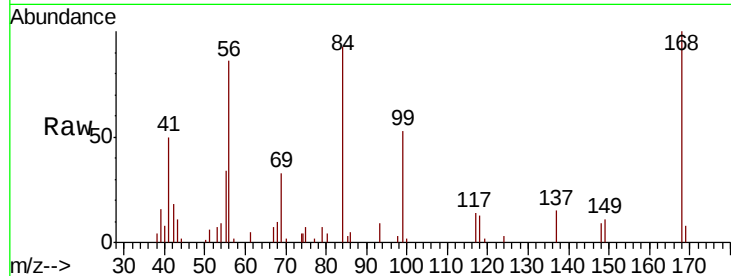
ClientSampleId :

TP1-2FTMSD

Tot Ion:	56	Resp:	9120
Ion	Ratio	Lower	Upper
56	100		
69	38.3	26.3	39.5
84	107.6	70.8	106.2

Manual Integrations
APPROVED

MMDadoda
10/24/2019 4:30:39 PM



#32

1,1,1-Trichloroethane

Concen: 48.135 ug/l

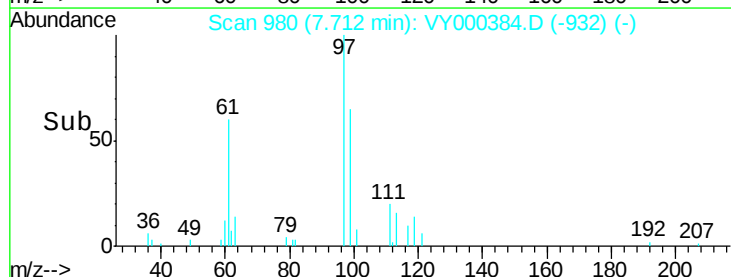
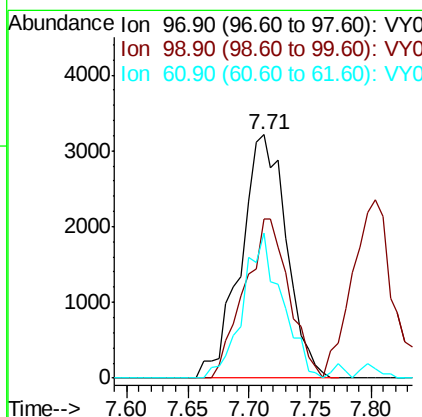
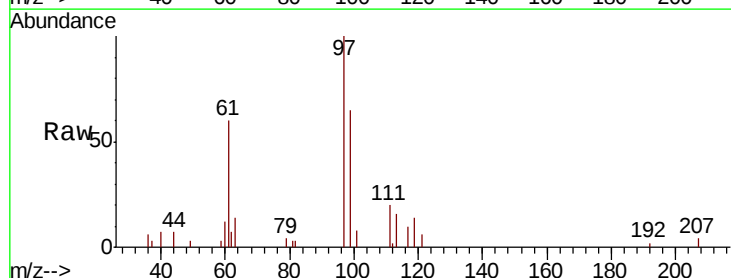
RT: 7.71 min Scan# 980

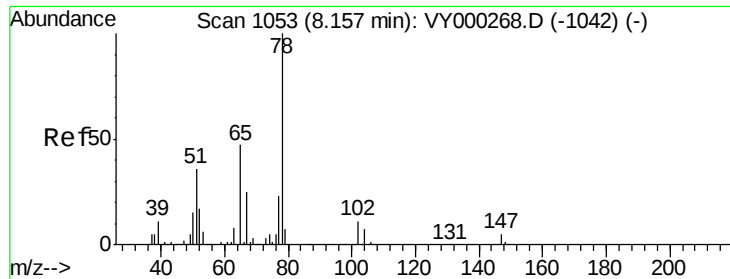
Delta R.T. -0.01 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Tgt Ion:	97	Resp:	8338
Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.7	77.5
61	50.6	34.5	51.7





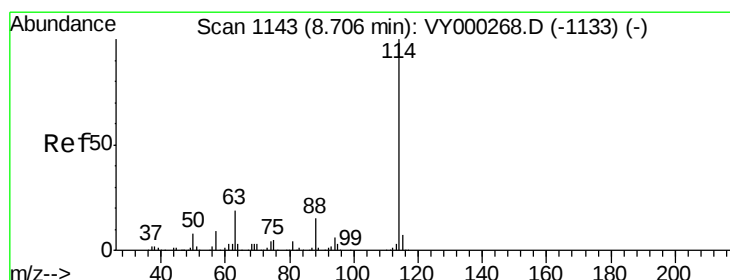
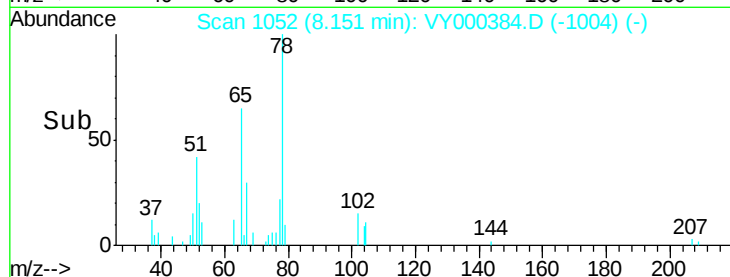
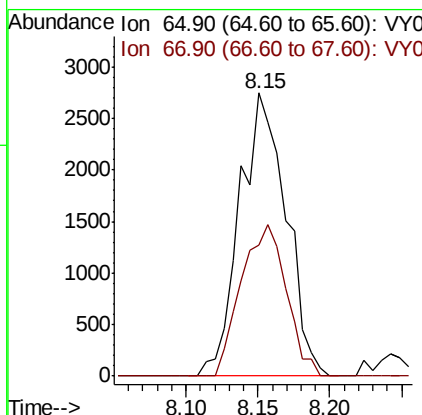
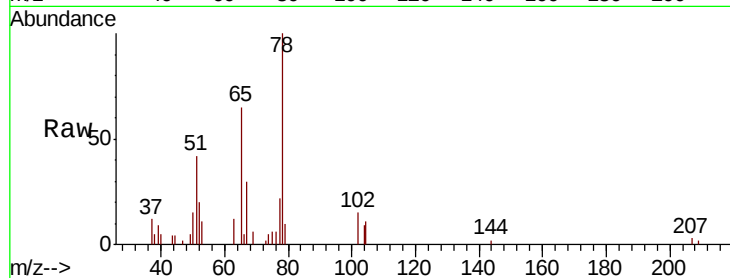
#33
 1,2-Dichloroethane-d4
 Concen: 58.378 ug/l
 RT: 8.15 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VY000384.D
 Acq: 23 Oct 2019 16:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP1-2FTMSD

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	109.4

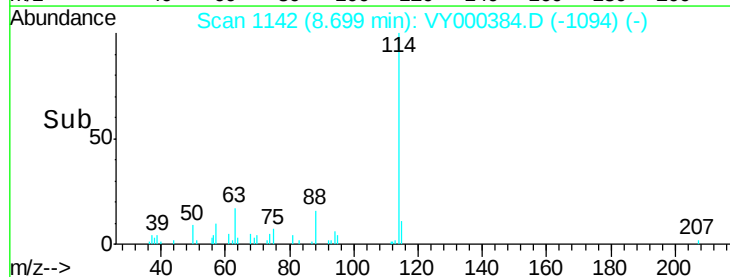
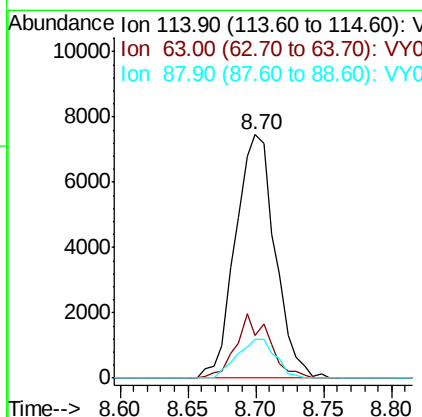
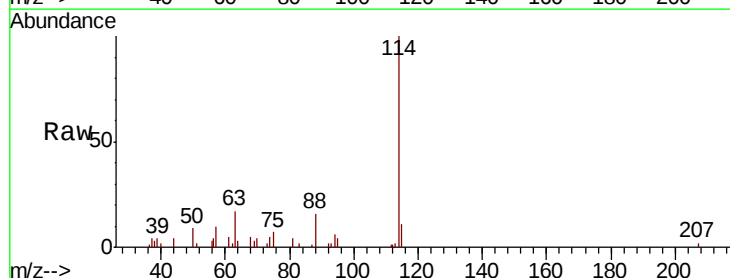
Manual Integrations
 APPROVED

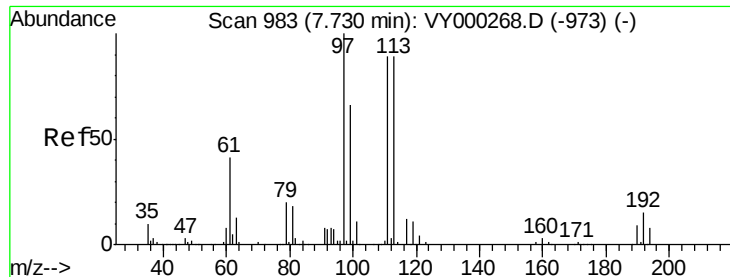
MMDadoda
 10/24/2019 4:30:39 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY000384.D
 Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	37.2
88	16.2	0.0	30.2





#35

Dibromofluoromethane

Concen: 22.731 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Instrument :

MSVOA_Y

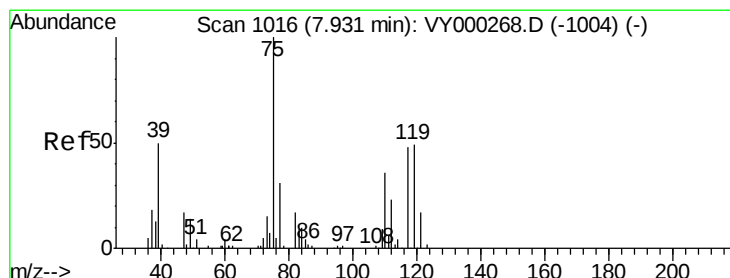
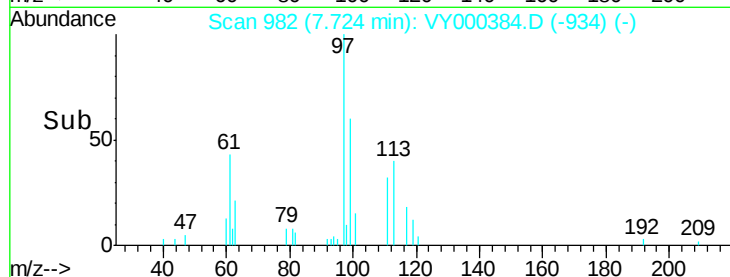
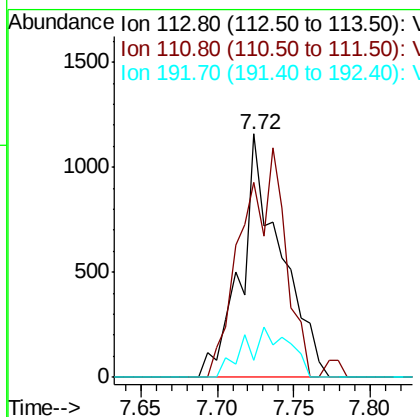
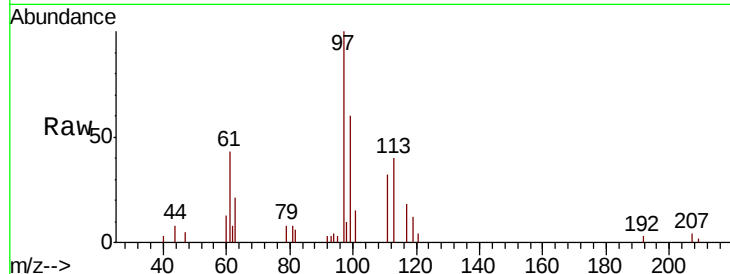
ClientSampleId :

TP1-2FTMSD

Tot Ion:	113	Resp:	2080
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.6	122.4
192	22.8	15.3	22.9

Manual Integrations
APPROVED

MMDadoda
10/24/2019 4:30:39 PM



#36

1,1-Dichloropropene

Concen: 49.083 ug/l

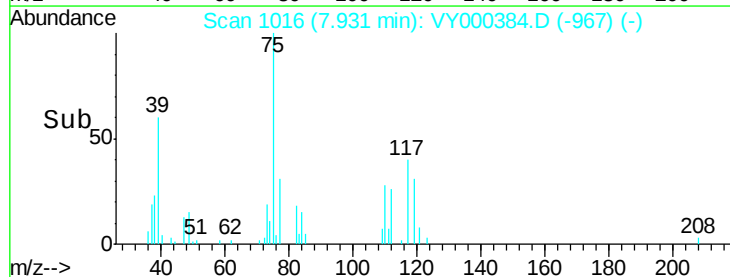
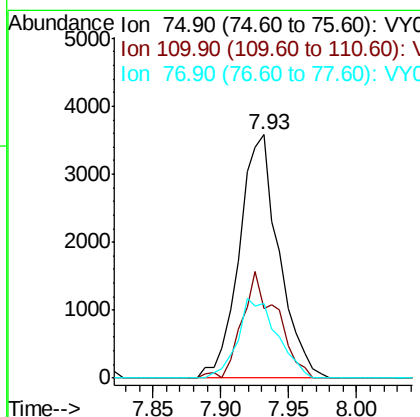
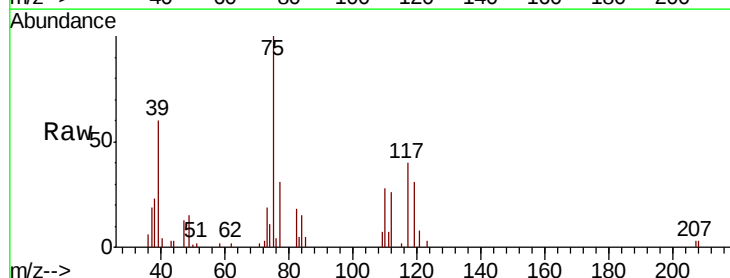
RT: 7.93 min Scan# 1016

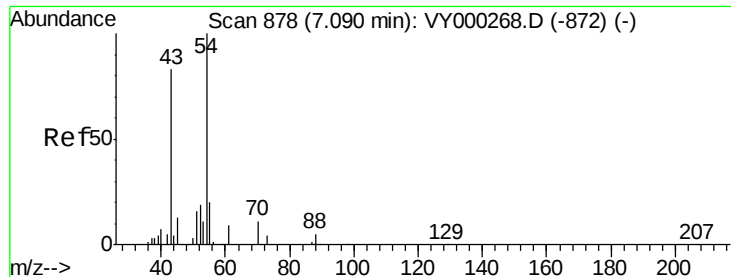
Delta R.T. 0.00 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Tgt Ion:	75	Resp:	7290
Ion	Ratio	Lower	Upper
75	100		
110	38.6	18.4	55.4
77	32.5	25.0	37.6





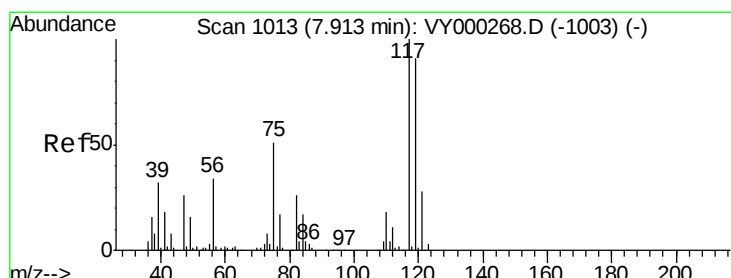
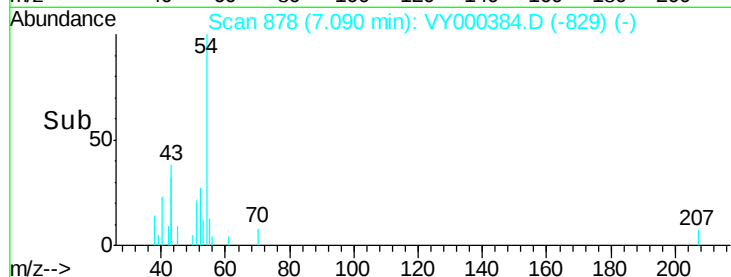
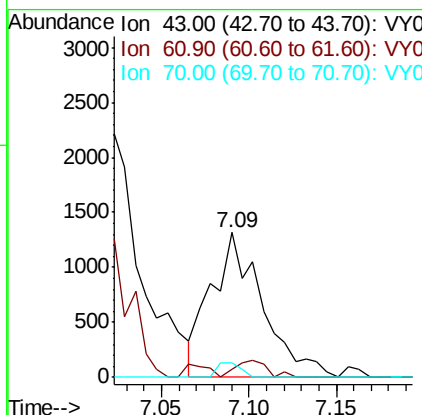
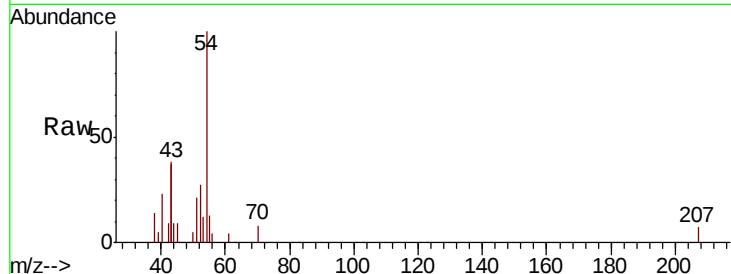
#37
Ethyl Acetate
Concen: 30.690 ug/l
RT: 7.09 min Scan# 878
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.1	18.1#
70	4.5	8.7	13.1#

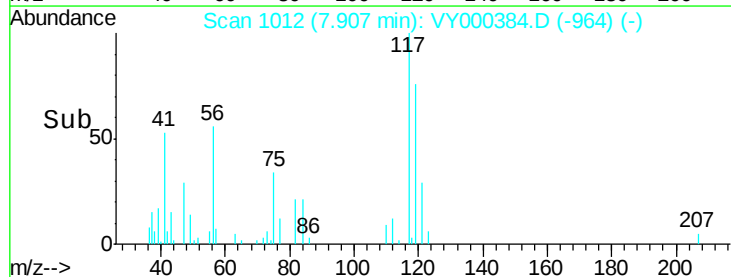
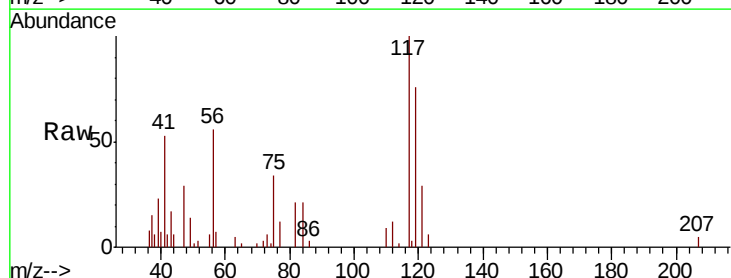
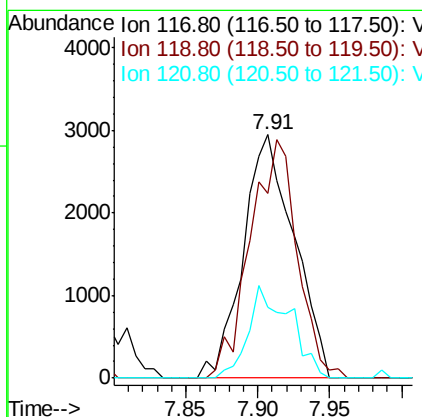
Manual Integrations
APPROVED

MMDadoda
10/24/2019 4:30:39 PM



#38
Carbon Tetrachloride
Concen: 50.339 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. -0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	75.9	72.8	109.2
121	29.3	22.2	33.2





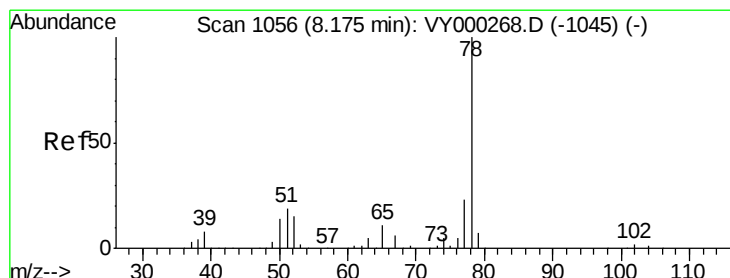
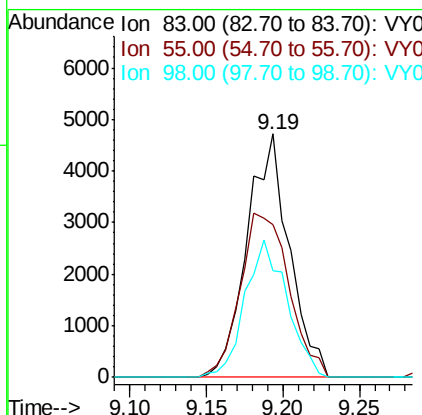
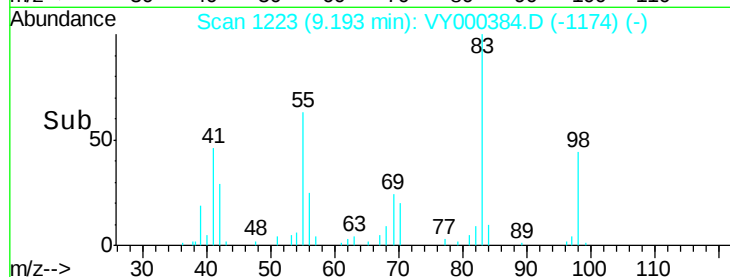
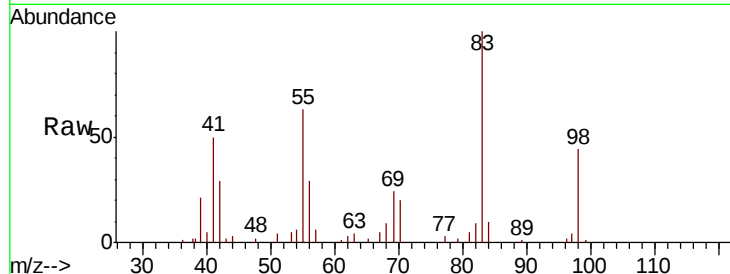
#39
Methylvlcyclohexane
Concen: 46.551 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	62.9	60.9	91.3
98	43.8	41.8	62.6

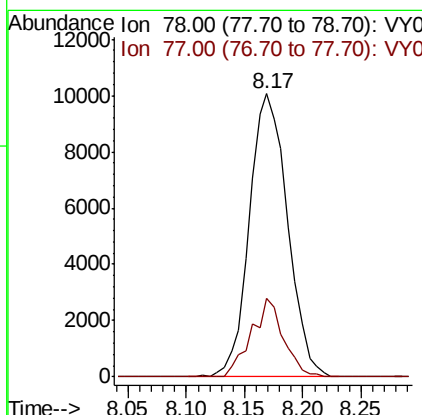
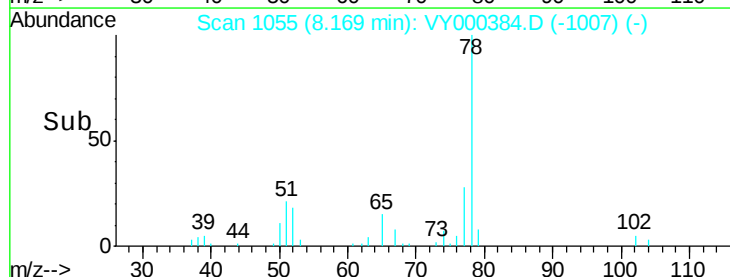
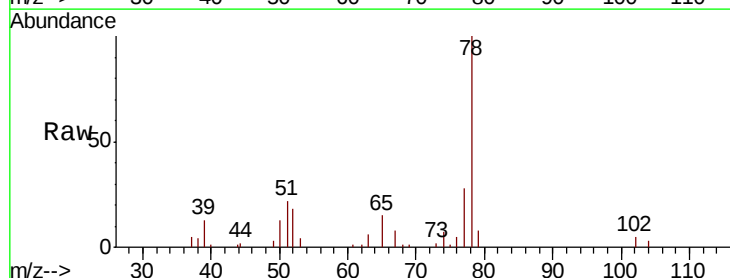
Manual Integrations
APPROVED

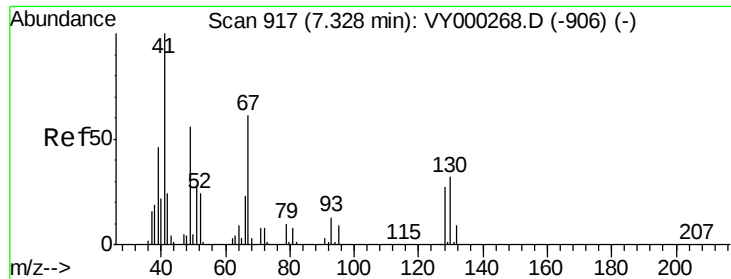
MMDadoda
10/24/2019 4:30:39 PM



#40
Benzene
Concen: 53.581 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.6	18.8	28.2





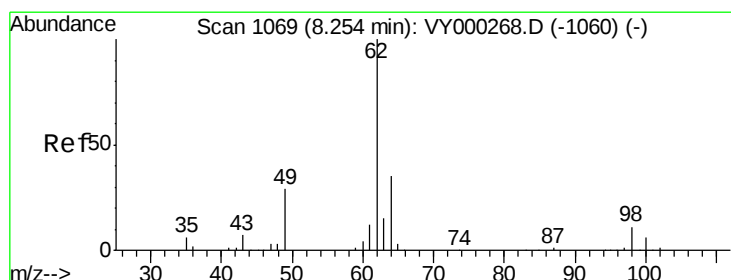
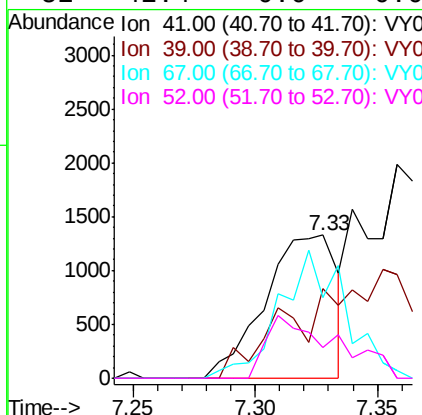
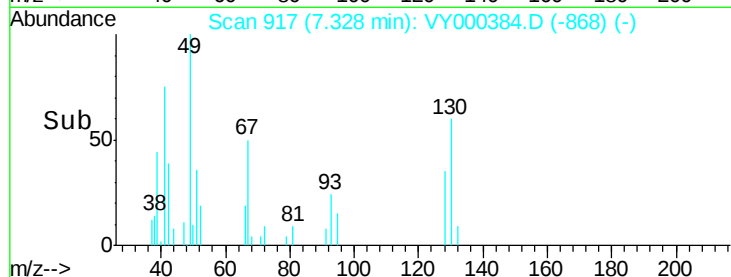
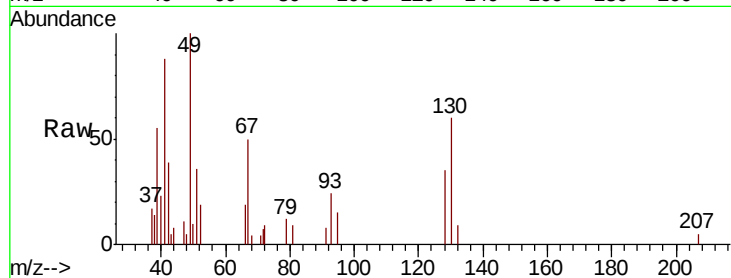
#41
Methacrylonitrile
Concen: 64.952 ug/l
RT: 7.33 min Scan# 917
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Tot Ion	41	Resp:	2719
Ion Ratio	Lower	Upper	
41	100		
39	0.0	110.2	165.2#
67	81.7	0.0	0.0#
52	42.4	0.0	0.0#

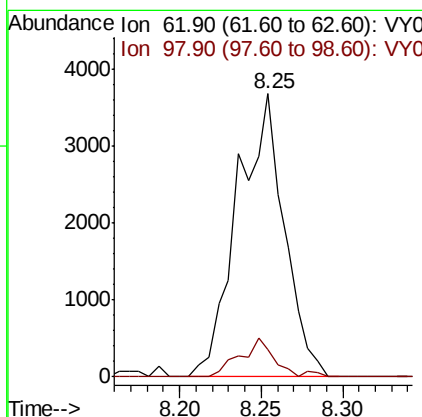
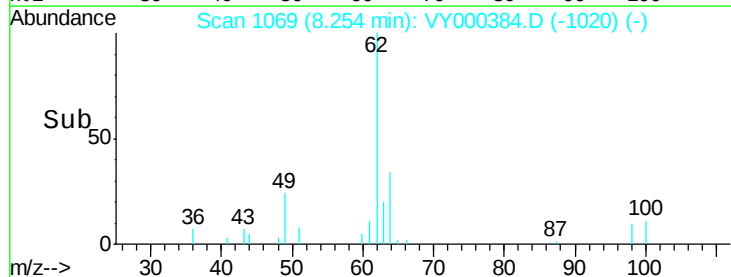
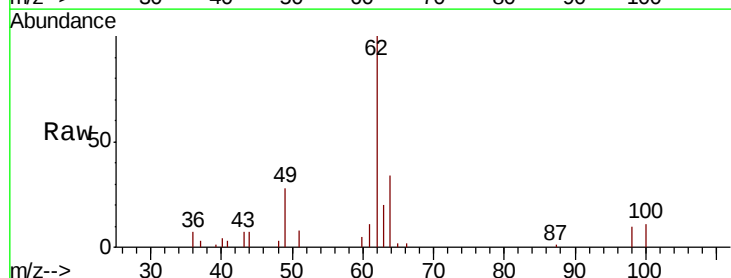
Manual Integrations
APPROVED

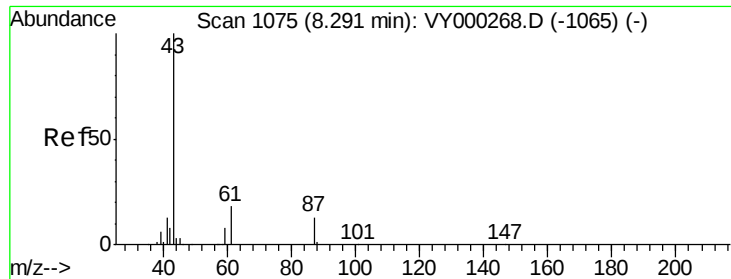
MMDadoda
10/24/2019 4:30:39 PM



#42
1,2-Dichloroethane
Concen: 59.957 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion	62	Resp:	7351
Ion Ratio	Lower	Upper	
62	100		
98	10.3	0.0	20.6





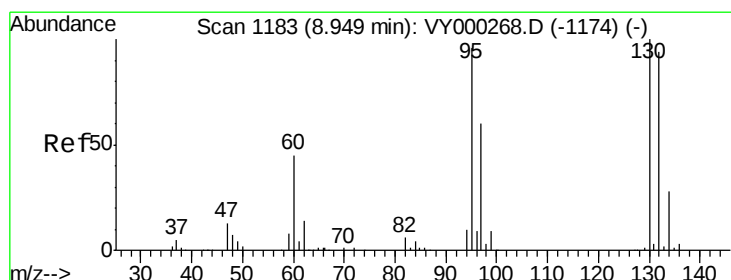
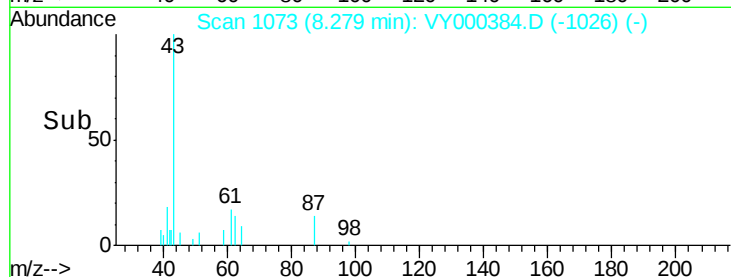
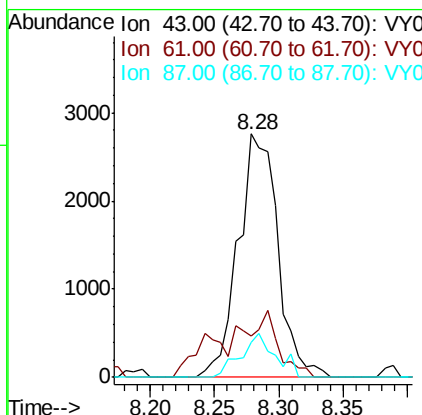
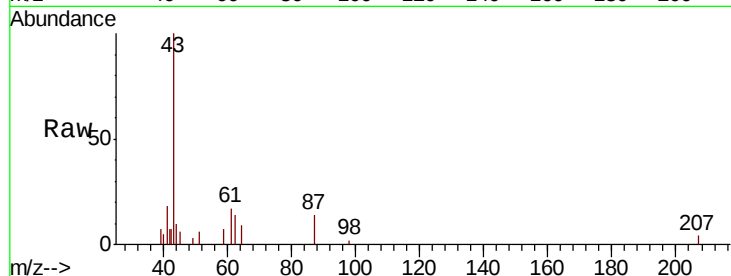
#43
Isopropyl Acetate
Concen: 34.996 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.3	22.3	33.5
87	15.7	10.9	16.3

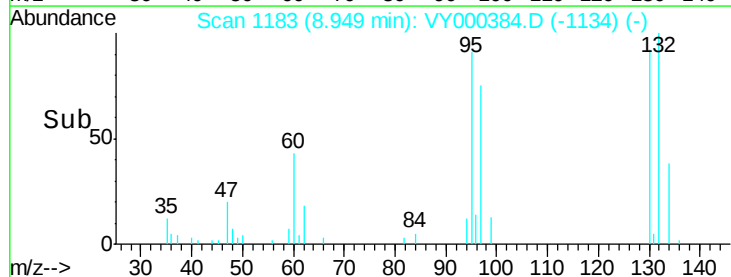
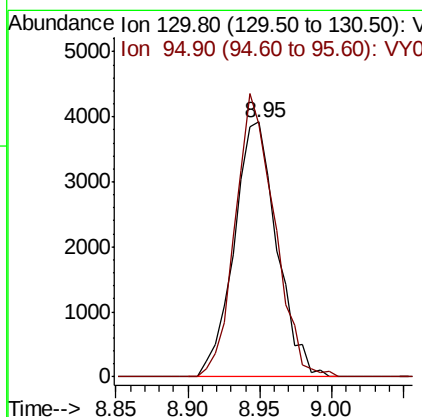
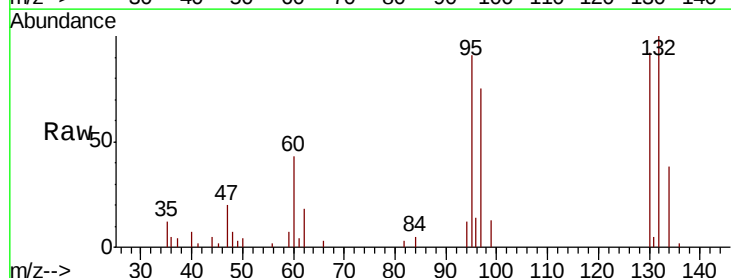
Manual Integrations
APPROVED

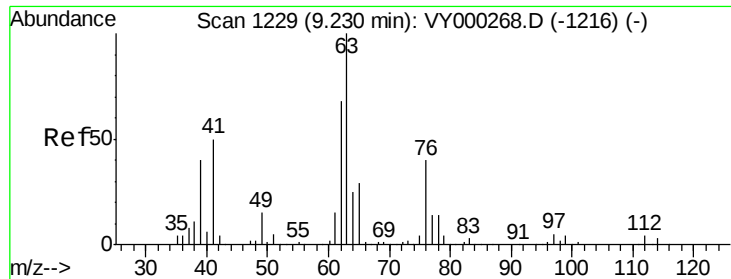
MMDadoda
10/24/2019 4:30:39 PM



#44
Trichloroethene
Concen: 67.233 ug/l
RT: 8.95 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	191.4





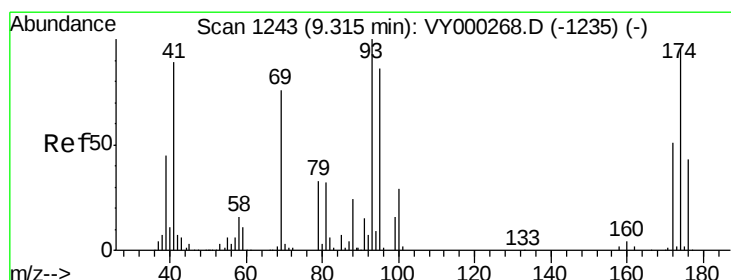
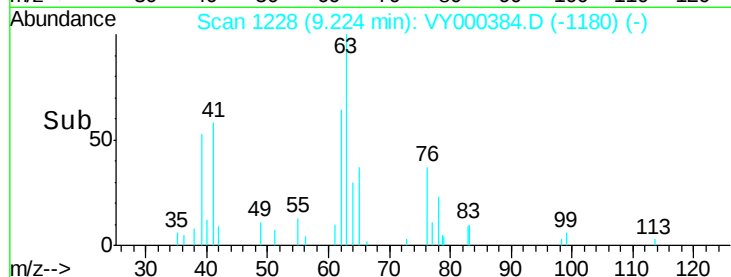
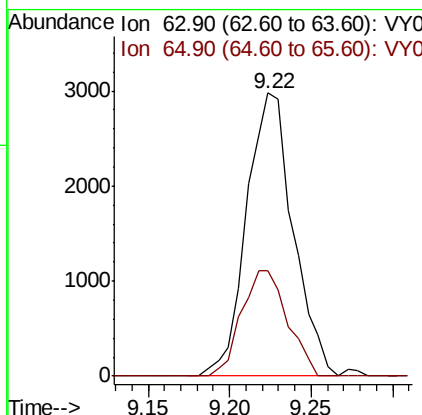
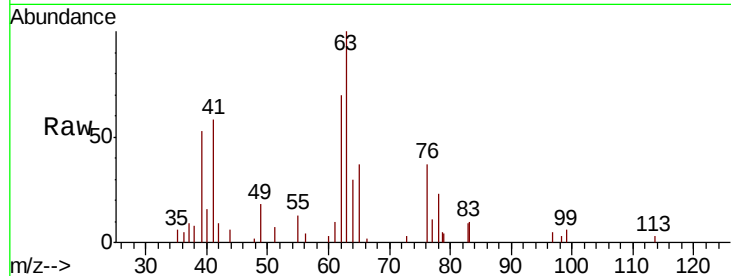
#45
 1,2-Dichloropropane
 Concen: 56.004 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: VY000384.D
 Acq: 23 Oct 2019 16:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP1-2FTMSD

Tot Ion: 63 Resp: 5899
 Ion Ratio Lower Upper
 63 100
 65 37.3 23.2 34.8#

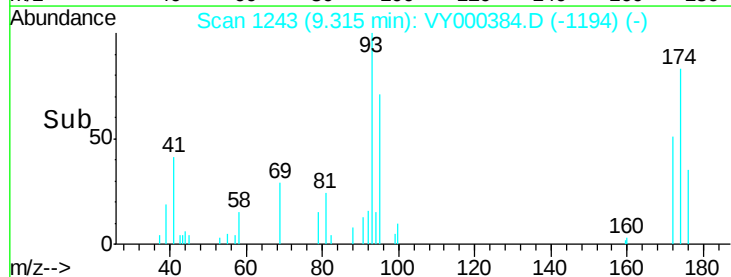
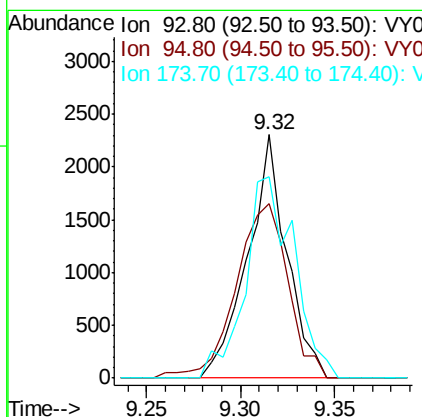
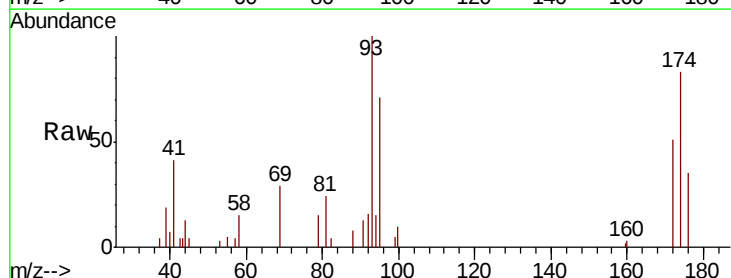
Manual Integrations
 APPROVED

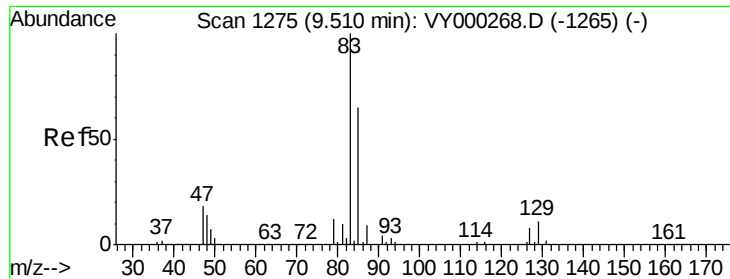
MMDadoda
 10/24/2019 4:30:39 PM



#46
 Dibromomethane
 Concen: 56.384 ug/l
 RT: 9.32 min Scan# 1243
 Delta R.T. 0.00 min
 Lab File: VY000384.D
 Acq: 23 Oct 2019 16:23

Tgt Ion: 93 Resp: 3320
 Ion Ratio Lower Upper
 93 100
 95 94.8 68.2 102.2
 174 103.0 79.8 119.6





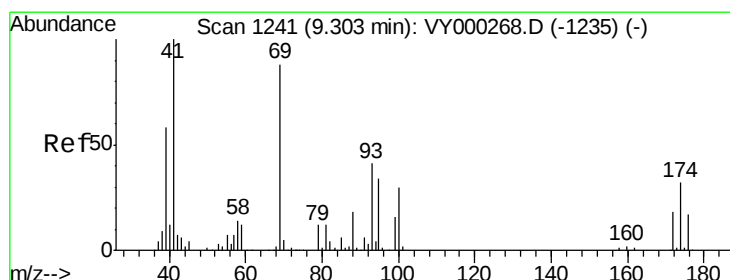
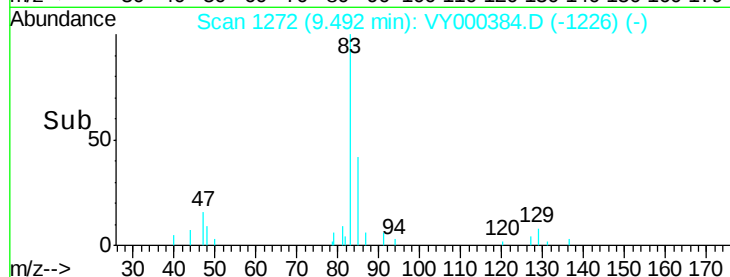
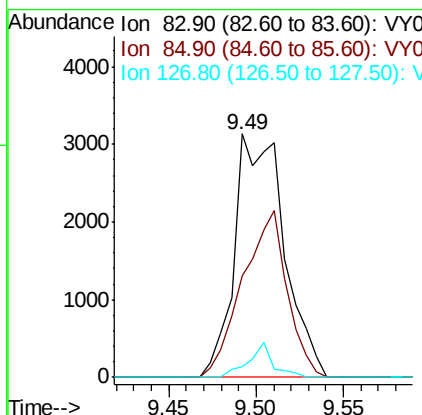
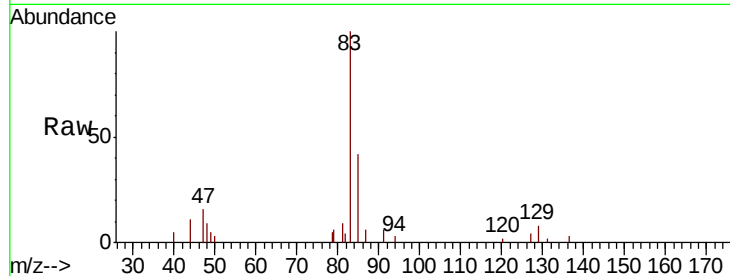
#47
 Bromodichloromethane
 Concen: 44.600 ug/l
 RT: 9.49 min Scan# 1272
 Delta R.T. -0.02 min
 Lab File: VY000384.D
 Acq: 23 Oct 2019 16:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP1-2FTMSD

Tot Ion	83	Resp	6189
Ion Ratio	100	Lower	Upper
83	100		
85	41.7	52.2	78.2#
127	4.2	6.3	9.5#

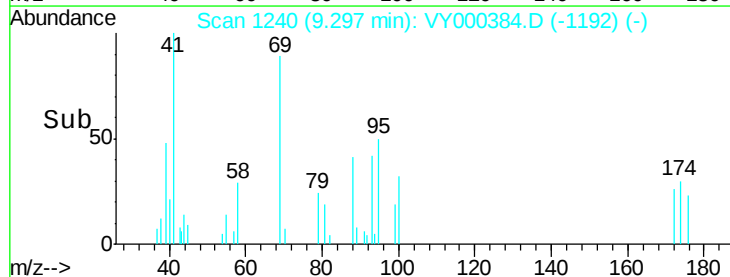
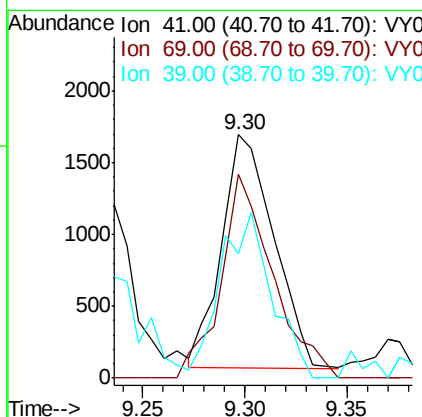
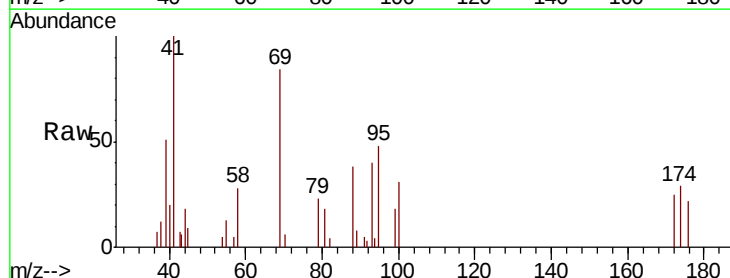
Manual Integrations
 APPROVED

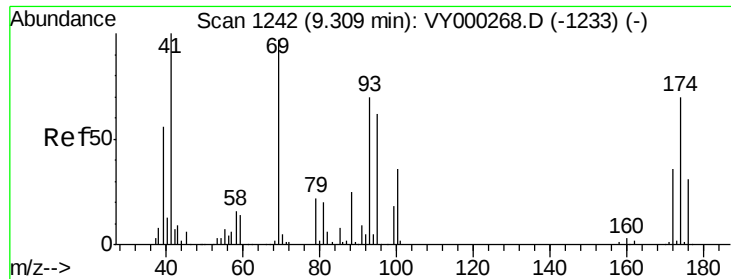
MMDadoda
 10/24/2019 4:30:39 PM



#48
 Methyl methacrylate
 Concen: 39.613 ug/l
 RT: 9.30 min Scan# 1240
 Delta R.T. -0.01 min
 Lab File: VY000384.D
 Acq: 23 Oct 2019 16:23

Tgt Ion	41	Resp	2903
Ion Ratio	100	Lower	Upper
41	100		
69	85.9	70.0	105.0
39	69.2	47.7	71.5





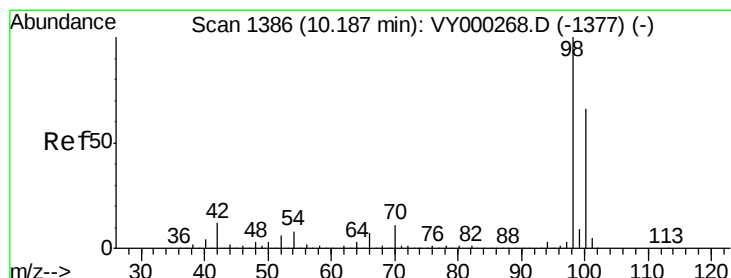
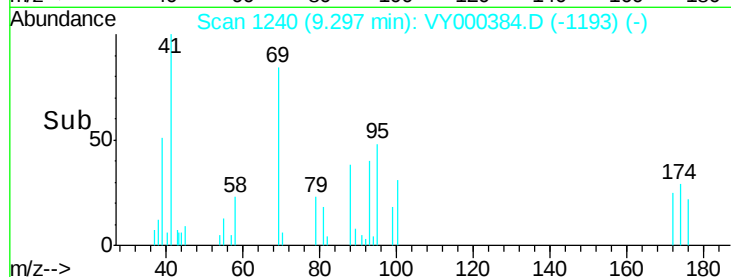
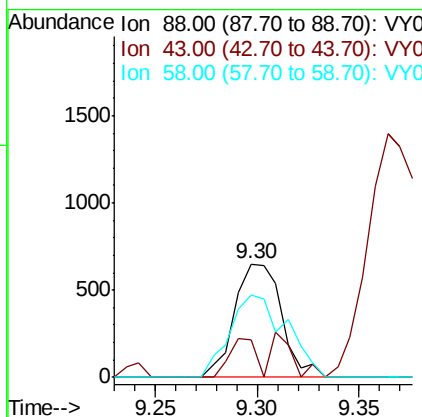
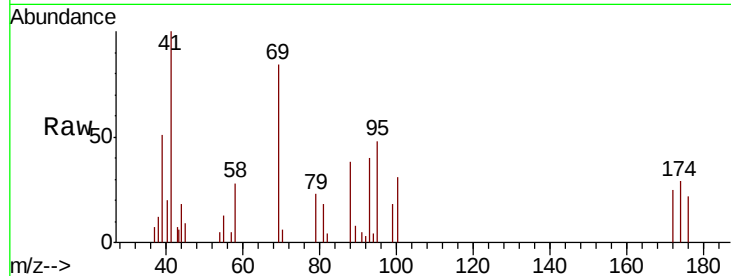
#49
1,4-Dioxane
Concen: 1183.645 ug/l
RT: 9.30 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	18.4	25.6	38.4#
58	87.0	54.6	81.8#

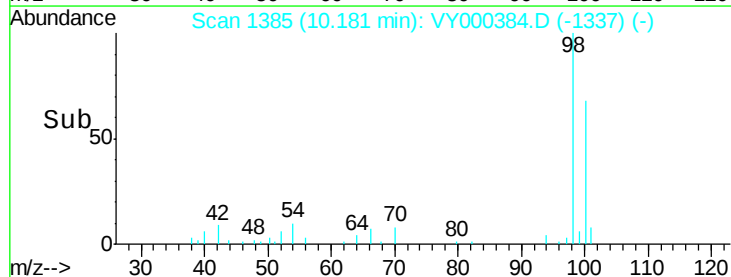
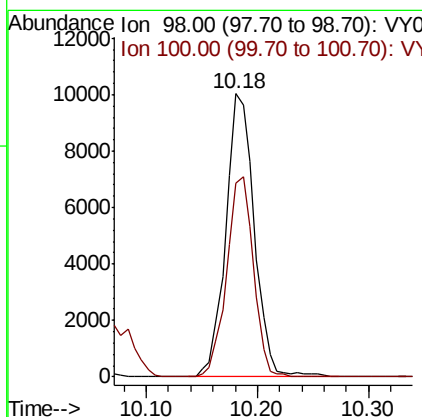
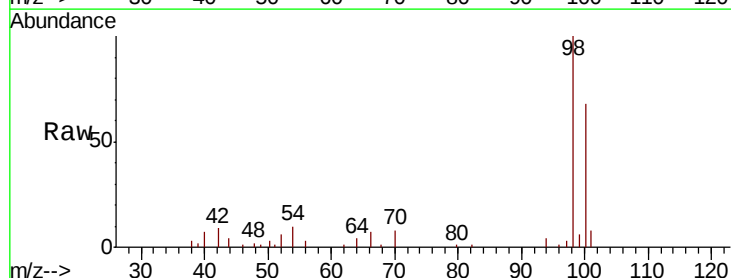
Manual Integrations
APPROVED

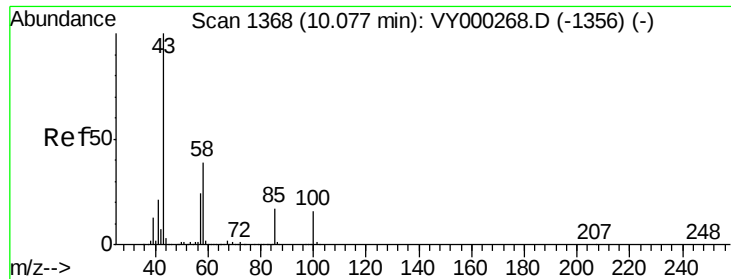
MMDadoda
10/24/2019 4:30:39 PM



#50
Toluene-d8
Concen: 50.684 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. -0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 218.223 ug/l

RT: 10.08 min Scan# 1368

Delta R.T. 0.00 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Instrument :

MSVOA_Y

ClientSampleId :

TP1-2FTMSD

Tot Ion: 43 Resp: 18821

Ion Ratio Lower Upper

43 100

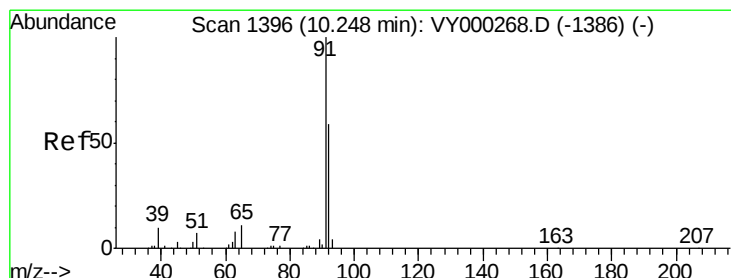
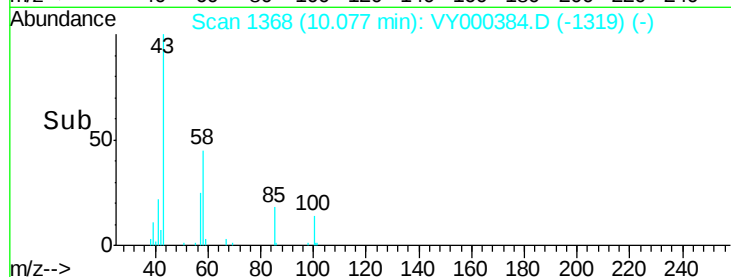
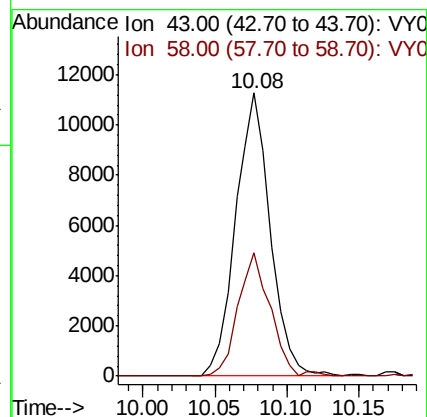
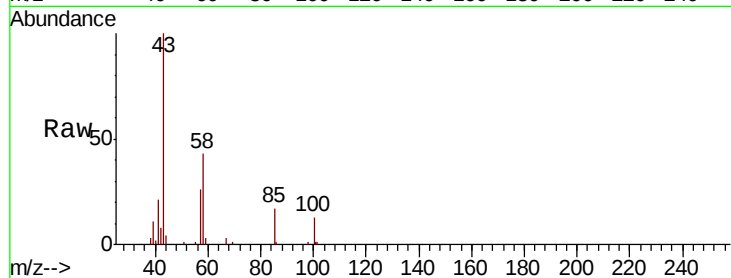
58 40.2 31.0 46.6

Manual Integrations

APPROVED

MMDadoda

10/24/2019 4:30:39 PM



#52

Toluene

Concen: 46.490 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000384.D

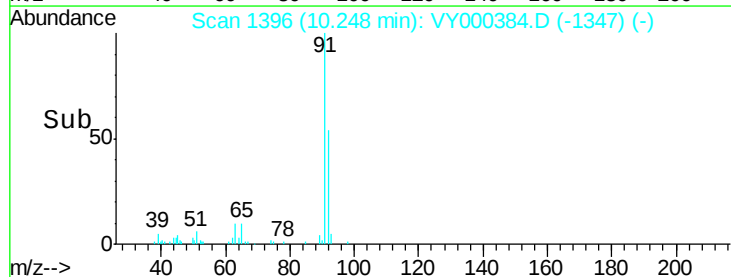
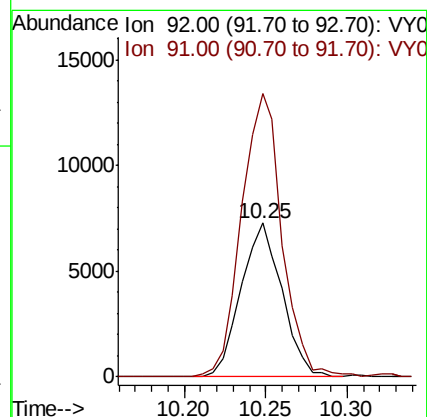
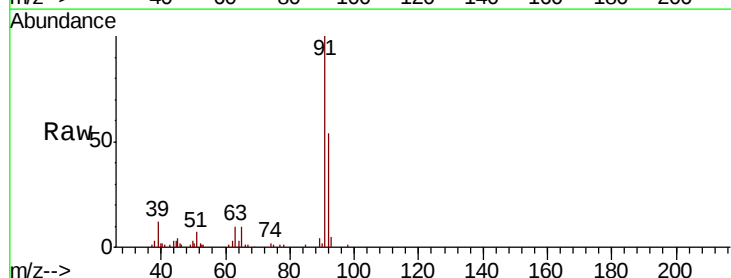
Acq: 23 Oct 2019 16:23

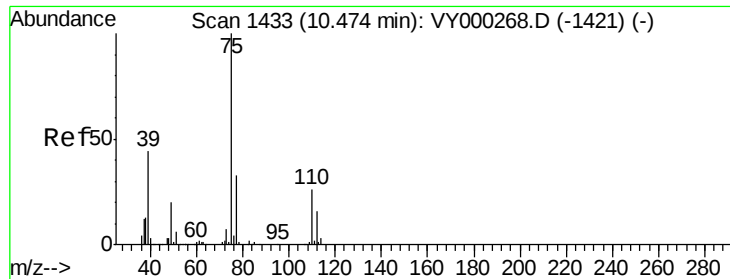
Tgt Ion: 92 Resp: 12669

Ion Ratio Lower Upper

92 100

91 182.4 136.6 205.0





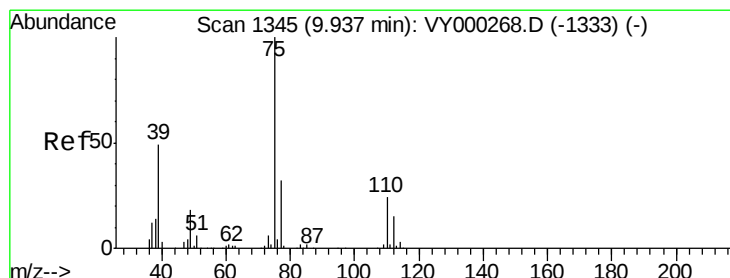
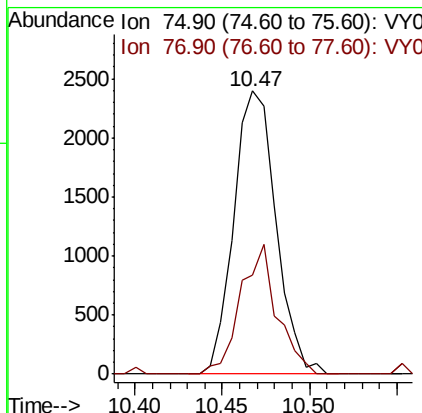
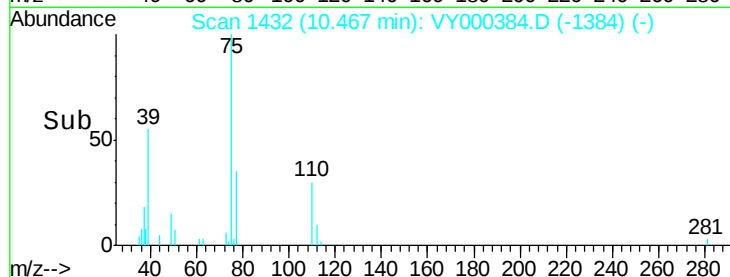
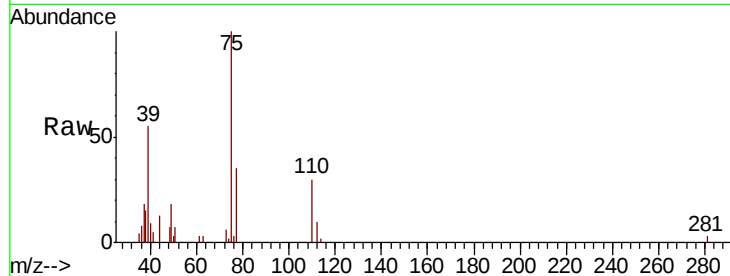
#53
t-1,3-Dichloropropene
Concen: 27.152 ug/l
RT: 10.47 min Scan# 1432
Delta R.T. -0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Tot Ion: 75 Resp: 4038
Ion Ratio Lower Upper
75 100
77 35.0 26.0 39.0

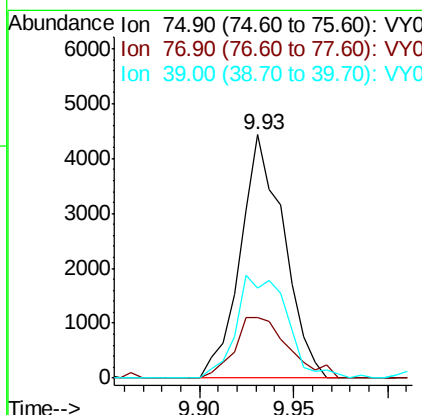
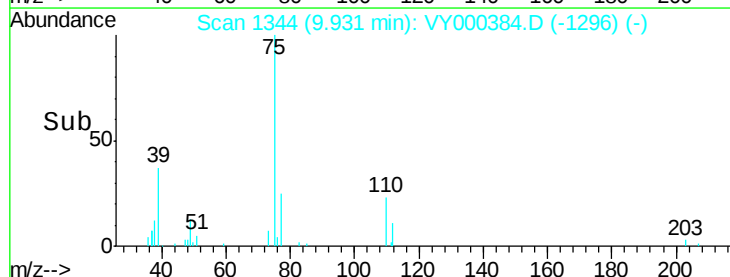
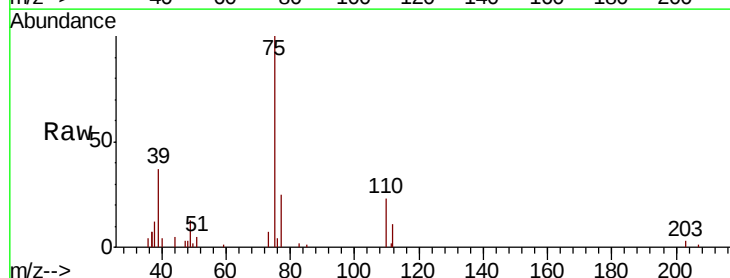
Manual Integrations
APPROVED

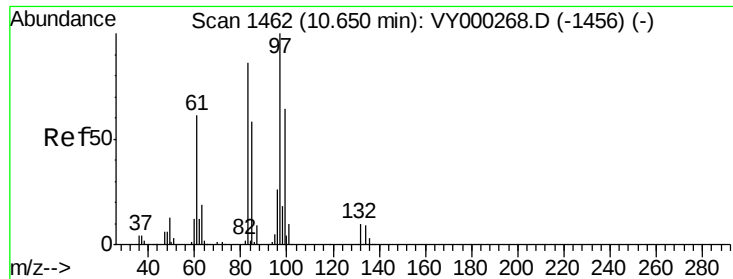
MMDadoda
10/24/2019 4:30:39 PM



#54
cis-1,3-Dichloropropene
Concen: 41.974 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. -0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion: 75 Resp: 7089
Ion Ratio Lower Upper
75 100
77 24.8 26.0 39.0#
39 37.2 38.8 58.2#





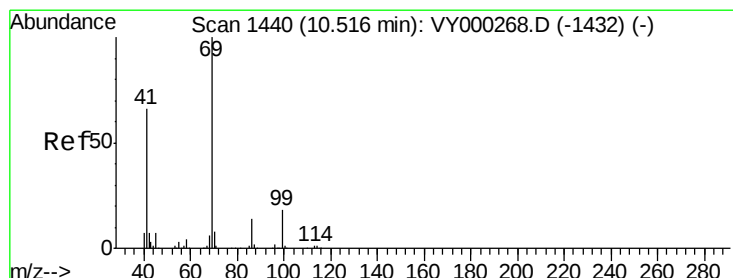
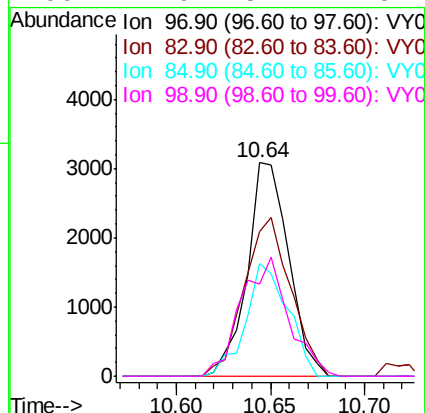
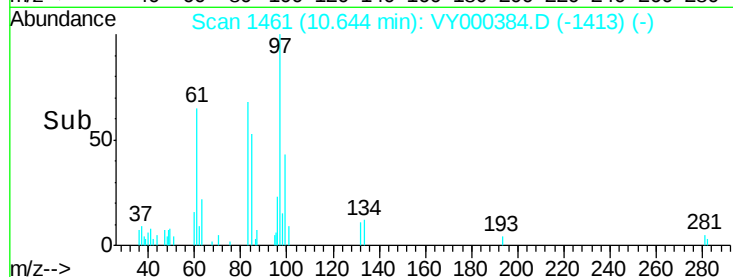
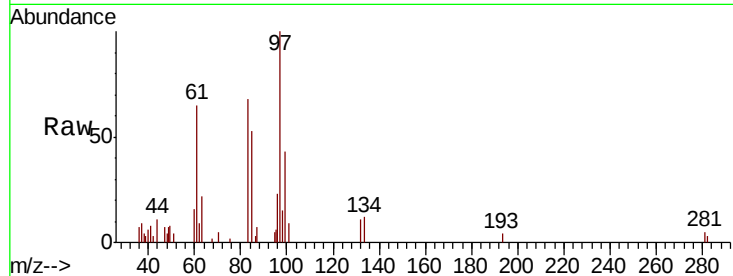
#55
 1,1,2-Trichloroethane
 Concen: 54.992 ug/l
 RT: 10.64 min Scan# 1461
 Delta R.T. -0.01 min
 Lab File: VY000384.D
 Acq: 23 Oct 2019 16:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP1-2FTMSD

Tot Ion	Ratio	Lower	Upper
97	100		
83	67.5	69.0	103.6#
85	52.5	46.2	69.4
99	42.9	51.1	76.7#

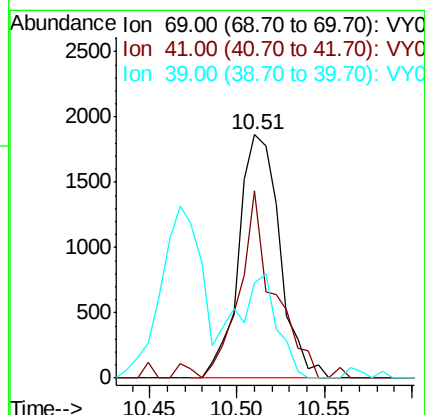
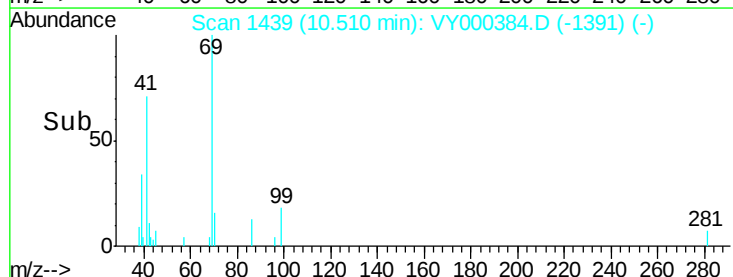
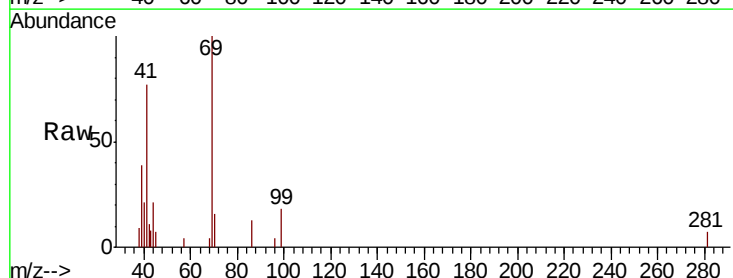
Manual Integrations
 APPROVED

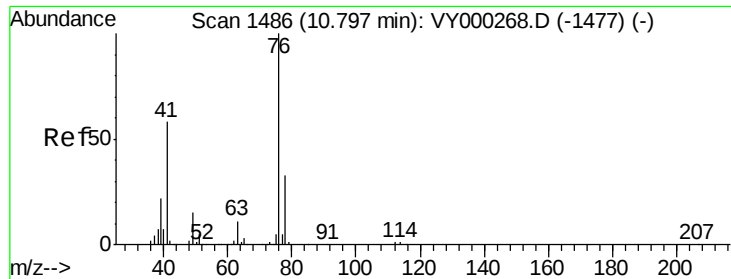
MMDadoda
 10/24/2019 4:30:39 PM



#56
 Ethyl methacrylate
 Concen: 25.002 ug/l
 RT: 10.51 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: VY000384.D
 Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	64.0	52.5	78.7
39	38.3	26.7	40.1





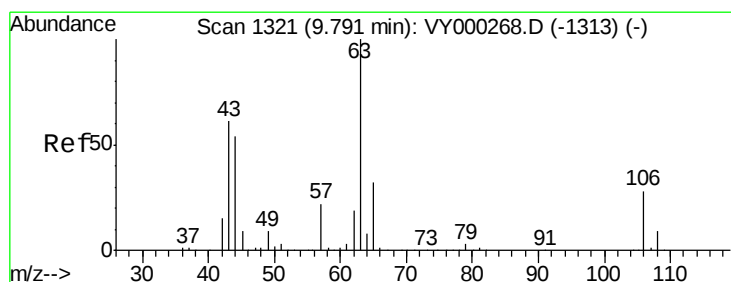
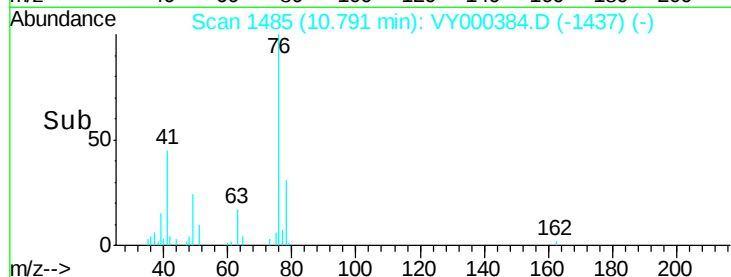
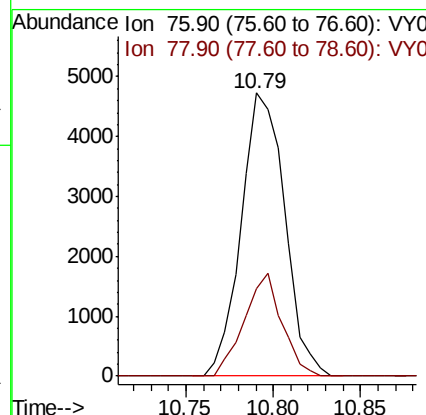
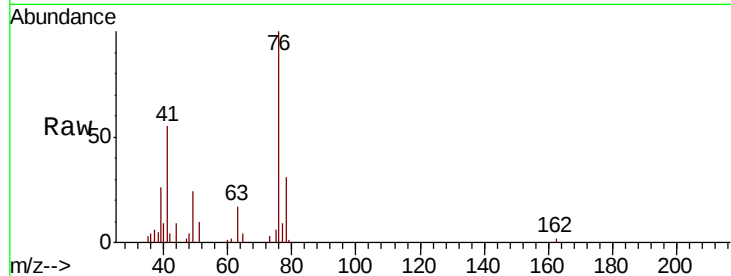
#57
 1,3-Dichloropropane
 Concen: 55.716 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VY000384.D
 Acq: 23 Oct 2019 16:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP1-2FTMSD

Tot Ion: 76 Resp: 8192
 Ion Ratio Lower Upper
 76 100
 78 31.3 26.2 39.2

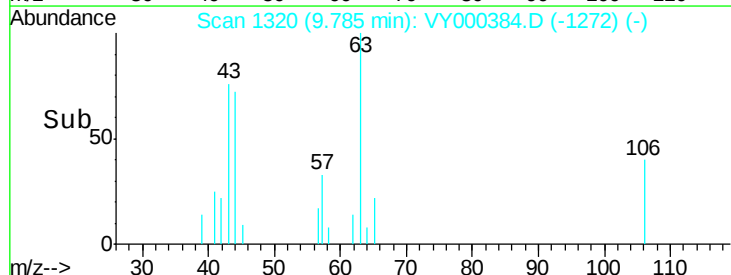
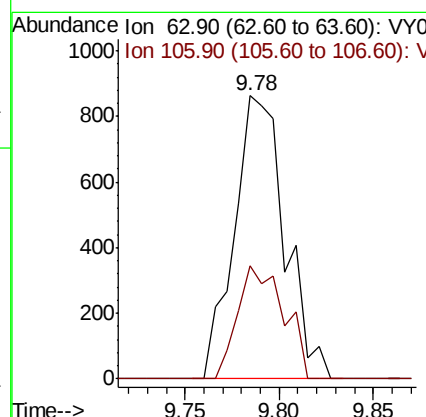
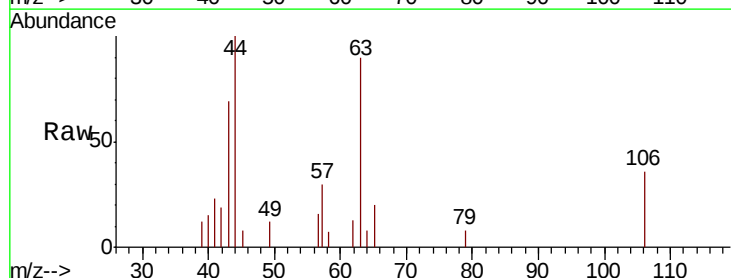
Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 4:30:39 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 33.180 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. -0.01 min
 Lab File: VY000384.D
 Acq: 23 Oct 2019 16:23

Tgt Ion: 63 Resp: 1615
 Ion Ratio Lower Upper
 63 100
 106 36.5 23.0 34.4#





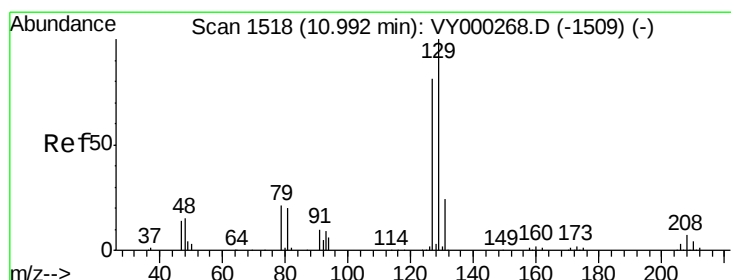
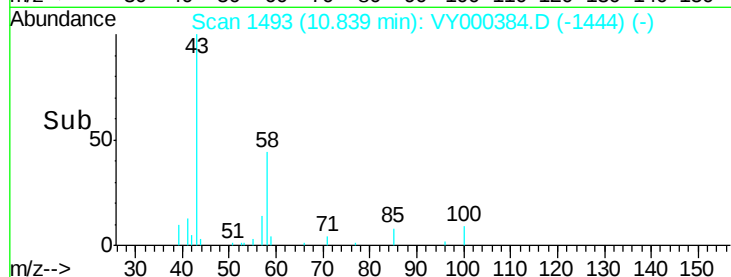
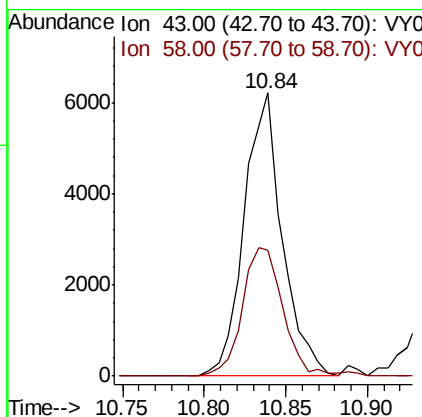
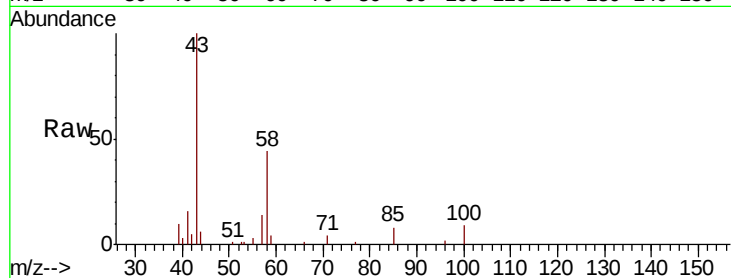
#59
2-Hexanone
Concen: 166.805 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Tot Ion: 43 Resp: 10098
Ion Ratio Lower Upper
43 100
58 48.8 27.7 83.1

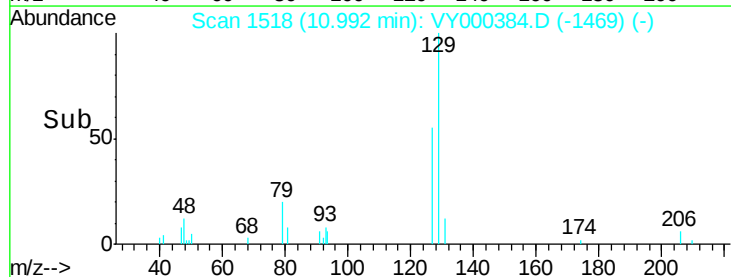
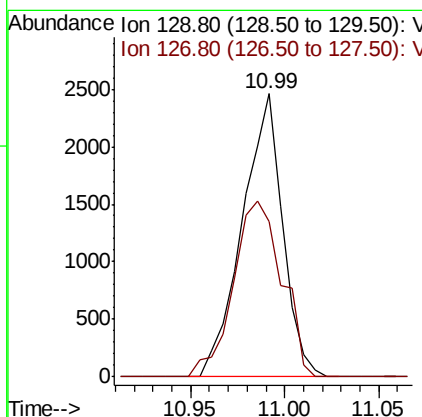
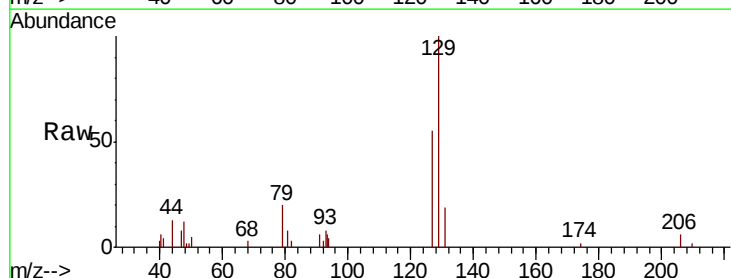
Manual Integrations
APPROVED

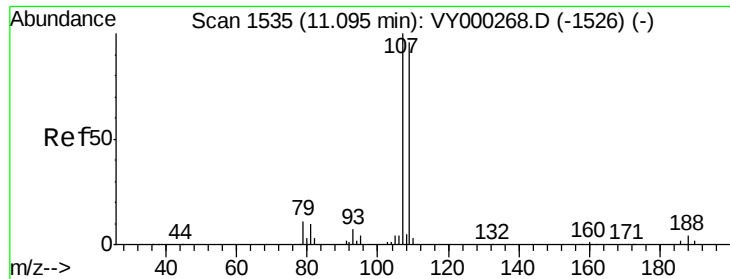
MMDadoda
10/24/2019 4:30:39 PM



#60
Dibromochloromethane
Concen: 38.507 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion: 129 Resp: 3654
Ion Ratio Lower Upper
129 100
127 75.2 39.9 119.7





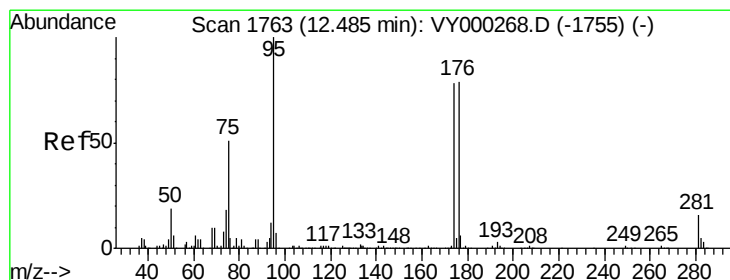
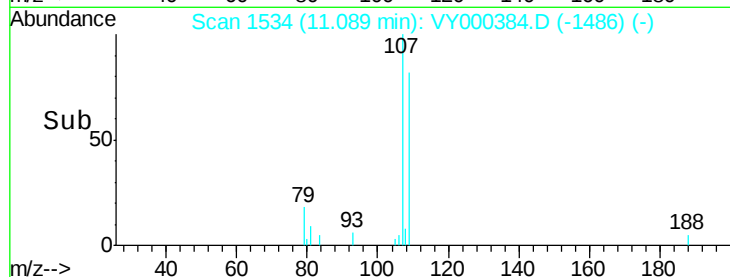
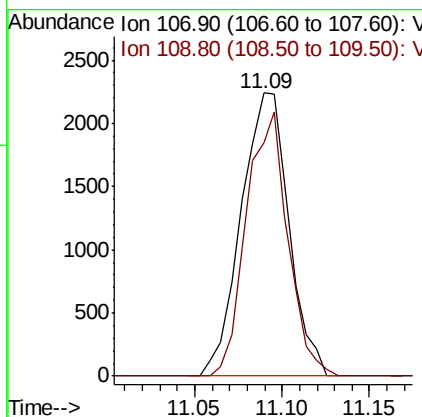
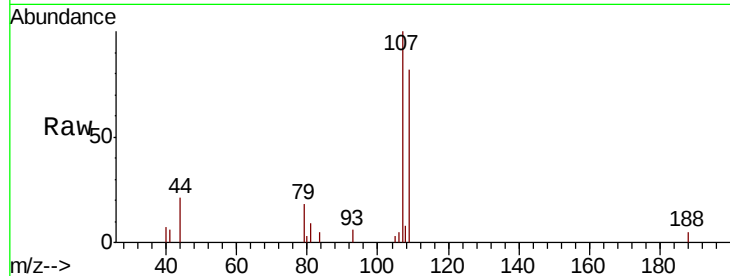
#61
 1,2-Dibromoethane
 Concen: 51.787 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VY000384.D
 Acq: 23 Oct 2019 16:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP1-2FTMSD

Tot Ion	Ratio	Lower	Upper
107	100		
109	80.9	75.1	112.7

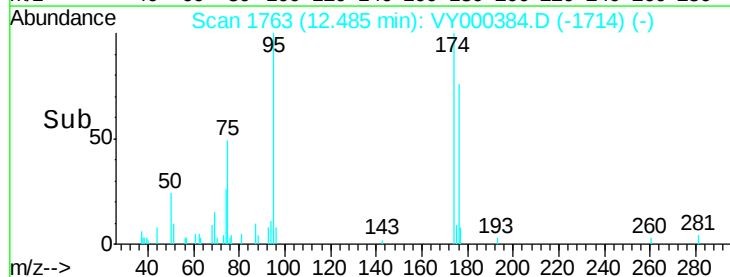
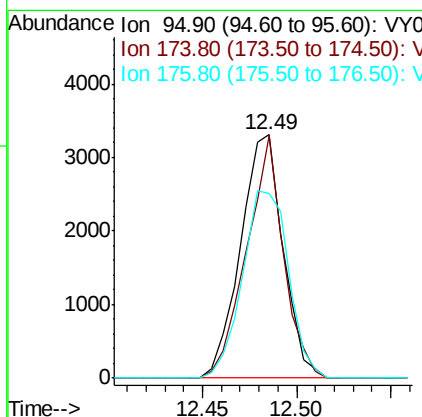
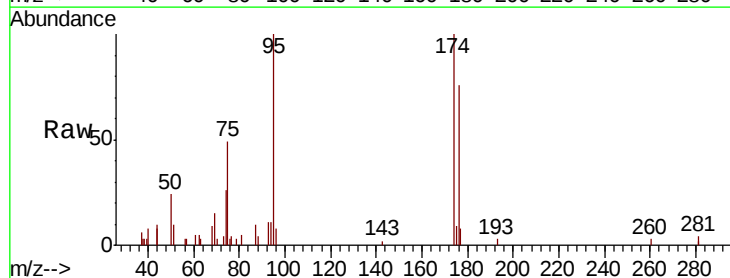
Manual Integrations
 APPROVED

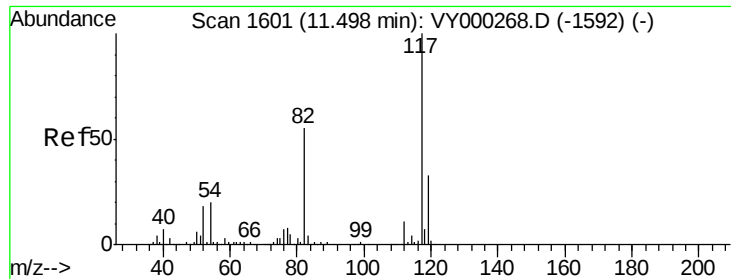
MMDadoda
 10/24/2019 4:30:39 PM



#62
 4-Bromofluorobenzene
 Concen: 38.869 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. 0.00 min
 Lab File: VY000384.D
 Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	85.9	0.0	159.6
176	83.2	0.0	153.8





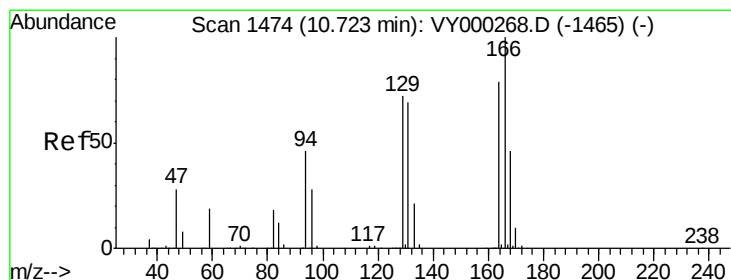
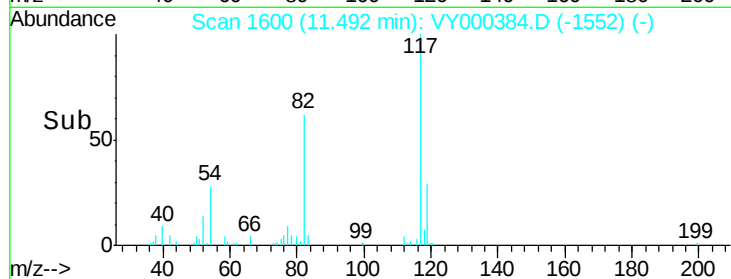
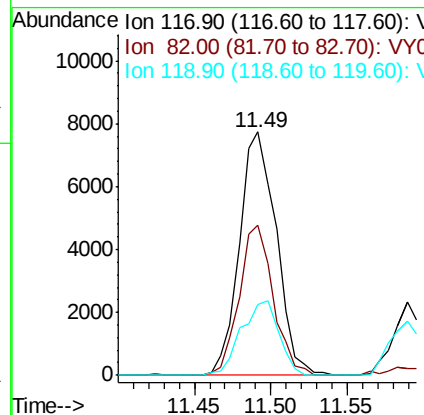
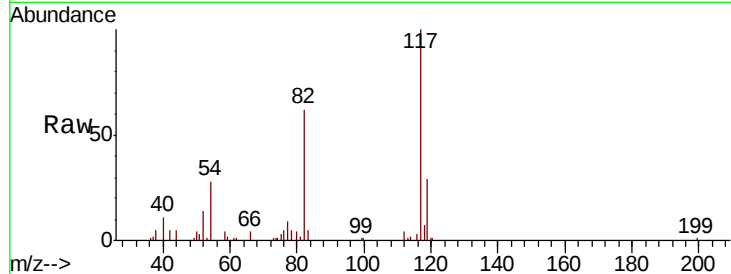
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. -0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.6	43.7	65.5
119	29.3	26.6	39.8

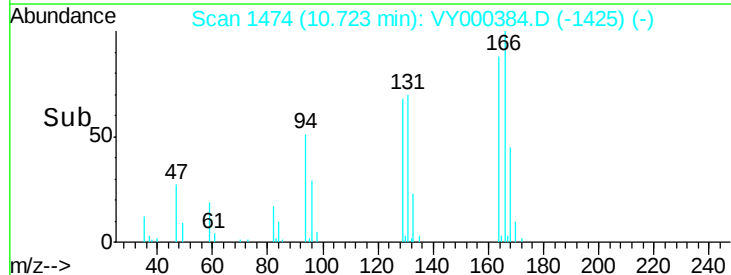
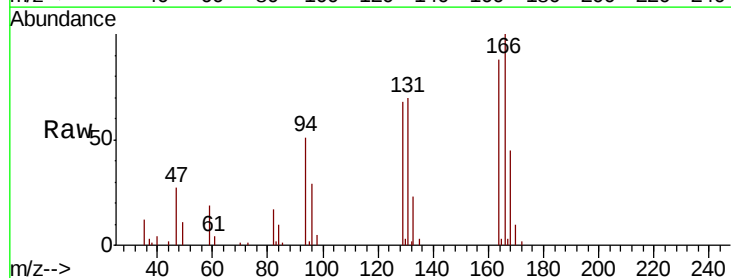
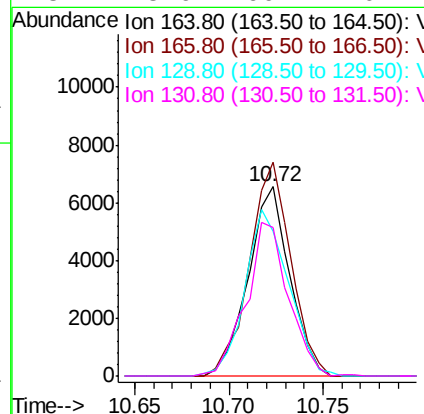
Manual Integrations
APPROVED

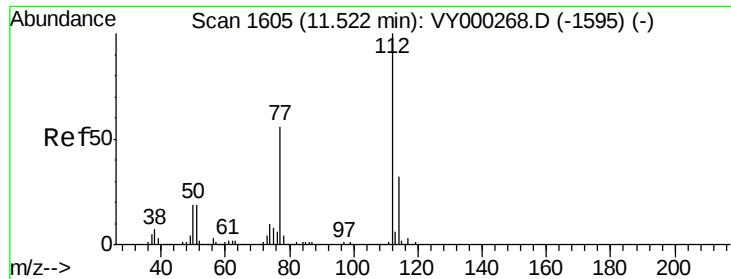
MMDadoda
10/24/2019 4:30:39 PM



#64
Tetrachloroethene
Concen: 81.361 ug/l
RT: 10.72 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	113.1	100.6	151.0
129	76.5	72.8	109.2
131	78.9	69.4	104.2





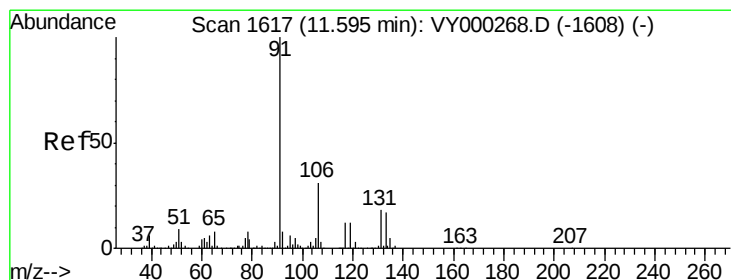
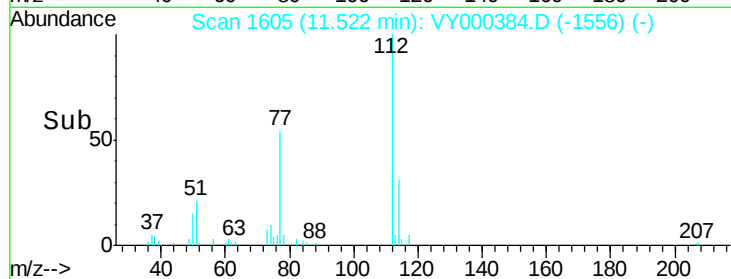
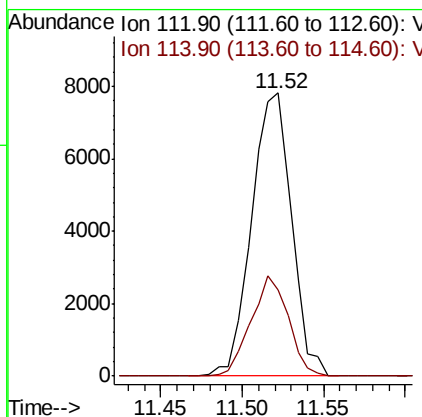
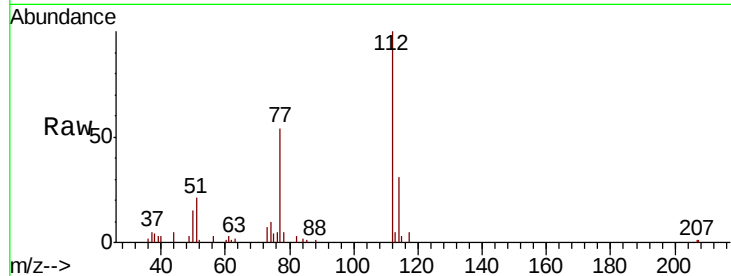
#65
Chlorobenzene
Concen: 48.744 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.6	25.7	38.5

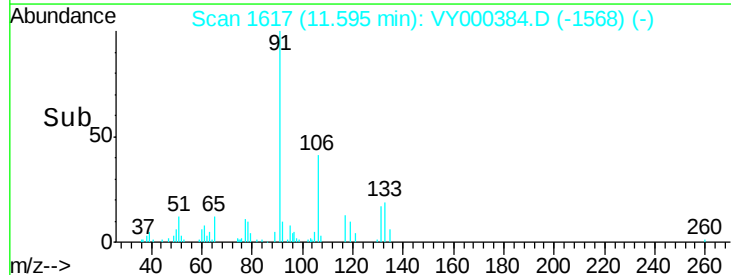
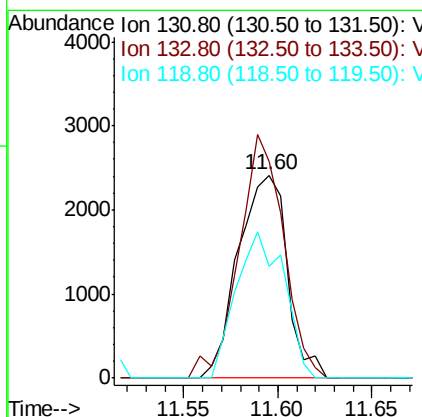
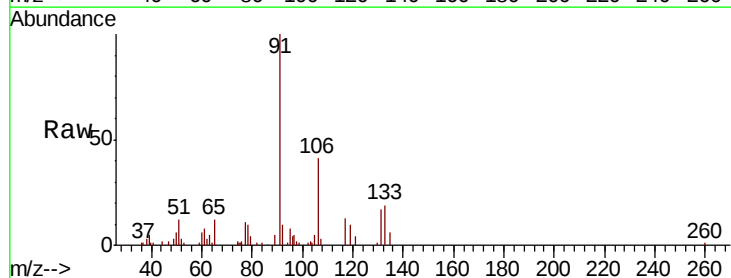
Manual Integrations
APPROVED

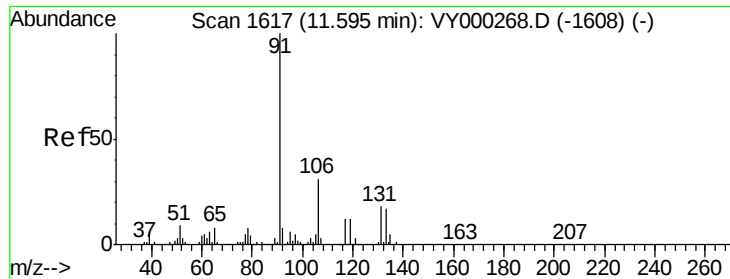
MMDadoda
10/24/2019 4:30:39 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 45.189 ug/l
RT: 11.60 min Scan# 1617
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	109.5	47.2	141.6
119	70.9	32.6	98.0





#67

Ethyl Benzene

Concen: 47.938 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.01 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Instrument :

MSVOA_Y

ClientSampleId :

TP1-2FTMSD

Tot Ion: 91 Resp: 24235

Ion Ratio Lower Upper

91 100

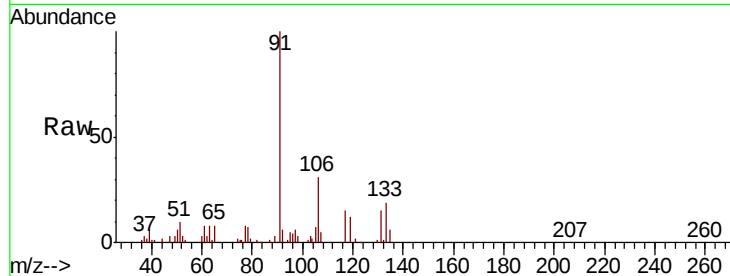
106 30.6 25.0 37.6

Manual Integrations

APPROVED

MMDadoda

10/24/2019 4:30:39 PM



Abundance Ion 91.00 (90.70 to 91.70): VY000268.D (-1608) (-)

Ion 106.00 (105.70 to 106.70): VY000268.D (-1608) (-)

11.59

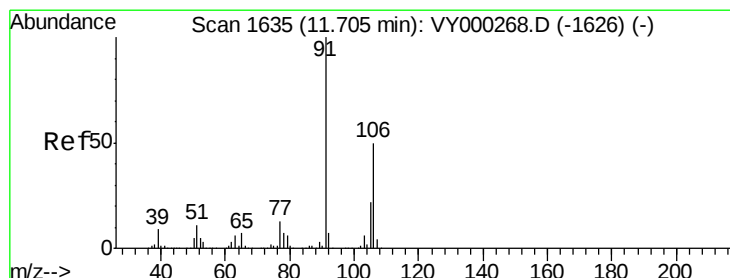
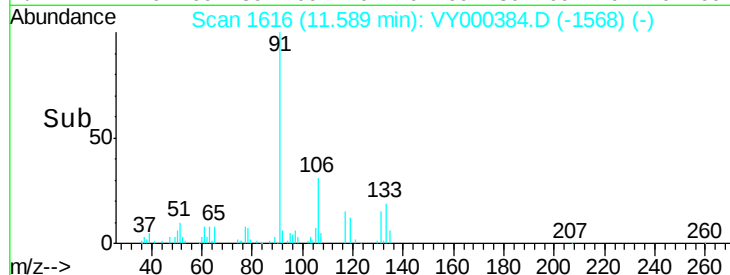
15000

10000

5000

0

Time-->



#68

m/p-Xylenes

Concen: 90.489 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.01 min

Lab File: VY000384.D

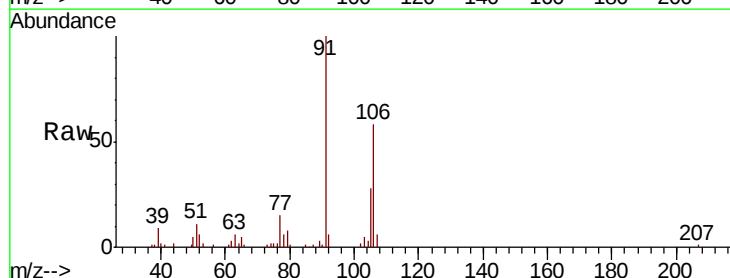
Acq: 23 Oct 2019 16:23

Tgt Ion: 106 Resp: 17488

Ion Ratio Lower Upper

106 100

91 202.0 157.5 236.3



Abundance Ion 106.00 (105.70 to 106.70): VY000268.D (-1626) (-)

Ion 91.00 (90.70 to 91.70): VY000268.D (-1626) (-)

11.70

20000

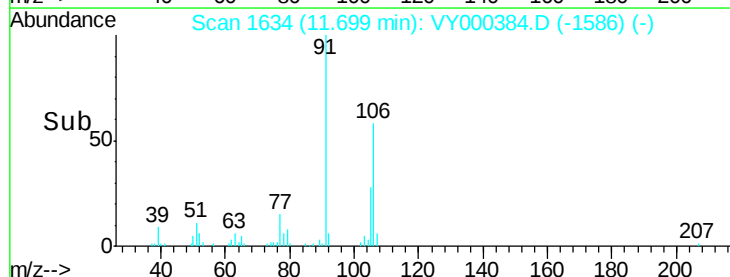
15000

10000

5000

0

Time-->





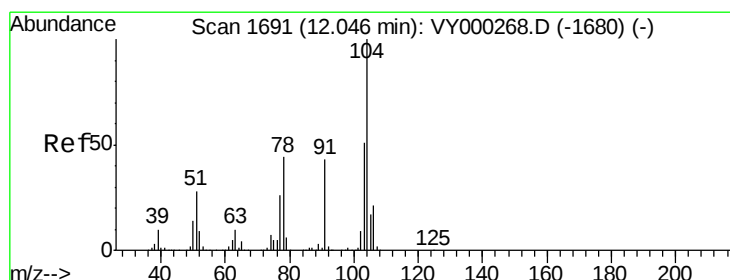
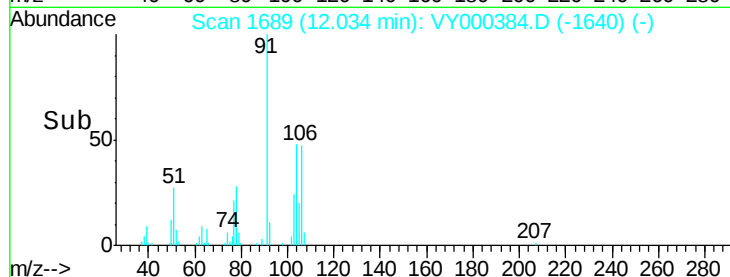
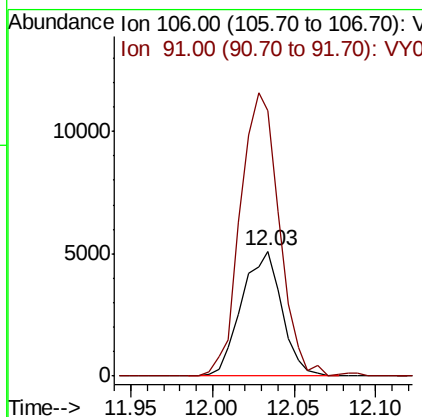
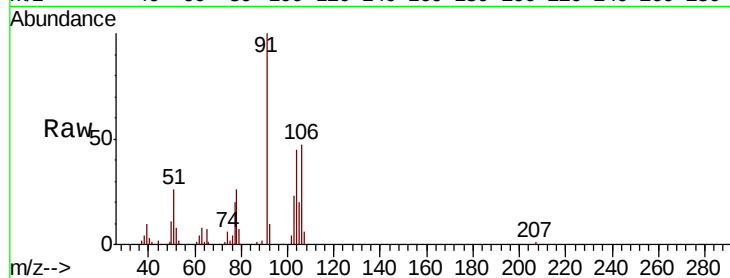
#69
o-Xylene
Concen: 47.433 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Tot Ion:106 Resp: 8745
Ion Ratio Lower Upper
106 100
91 219.9 104.7 313.9

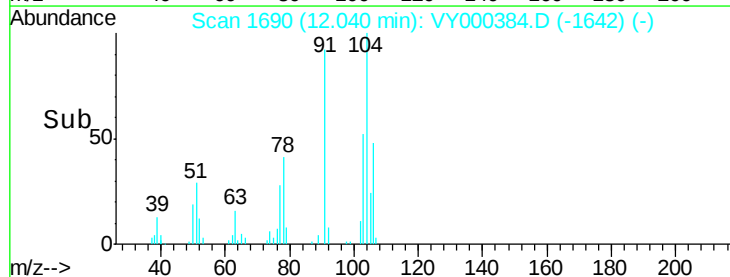
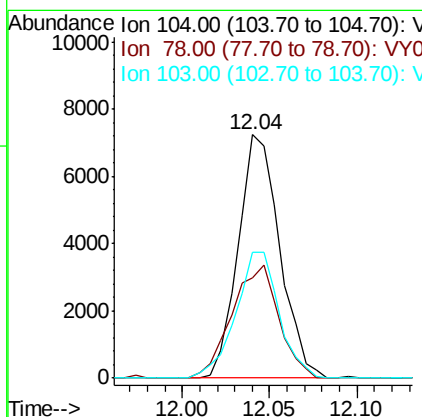
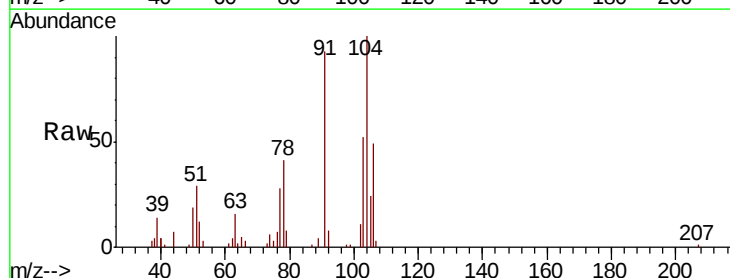
Manual Integrations
APPROVED

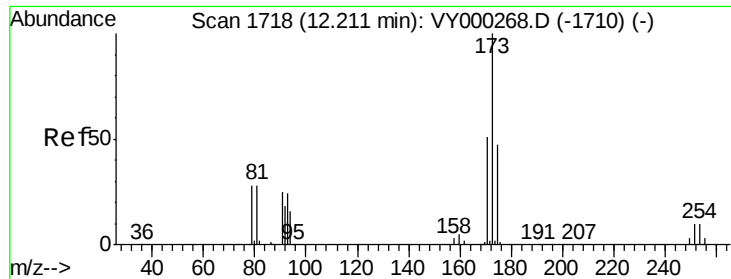
MMDadoda
10/24/2019 4:30:39 PM



#70
Styrene
Concen: 38.362 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion:104 Resp: 11928
Ion Ratio Lower Upper
104 100
78 52.6 39.0 58.6
103 54.2 43.1 64.7





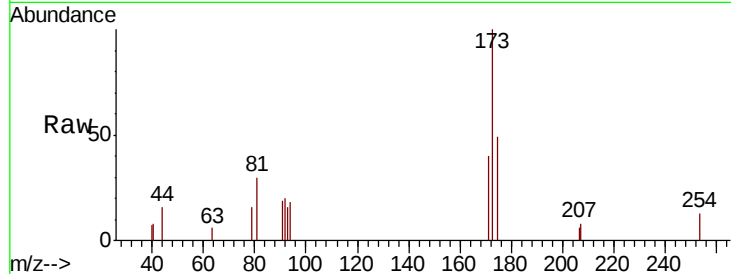
#71
Bromoform
Concen: 36.934 ug/l
RT: 12.21 min Scan# 1718
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

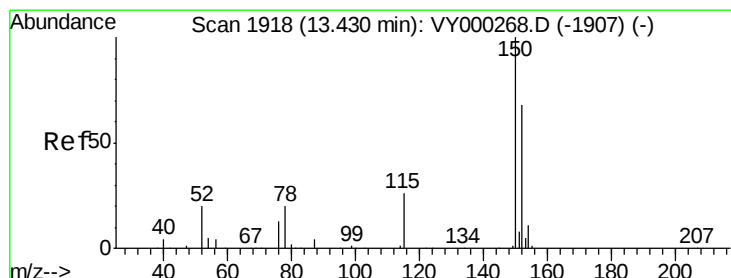
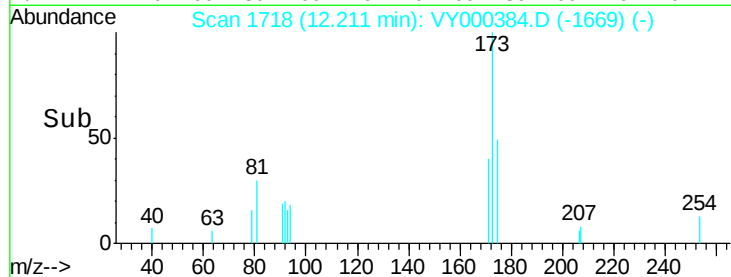
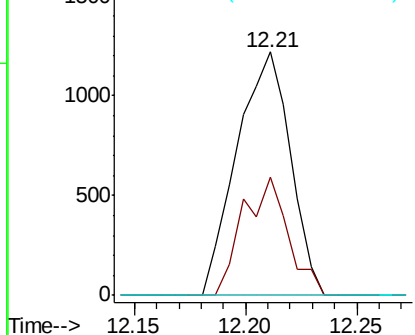
Tot Ion	Ratio	Lower	Upper
173	100		
175	41.2	24.6	73.6
254	0.0	0.1	0.1#

Manual Integrations
APPROVED

MMDadoda
10/24/2019 4:30:39 PM

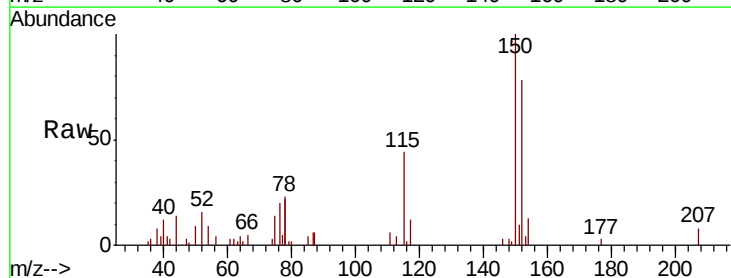


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

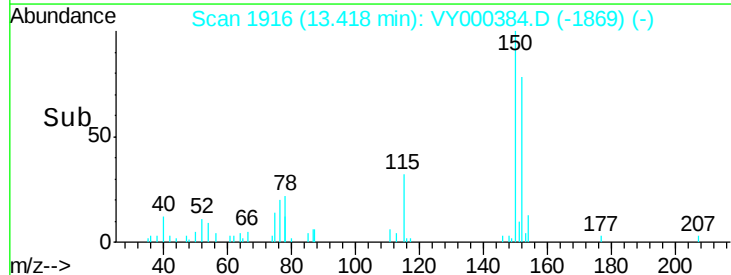
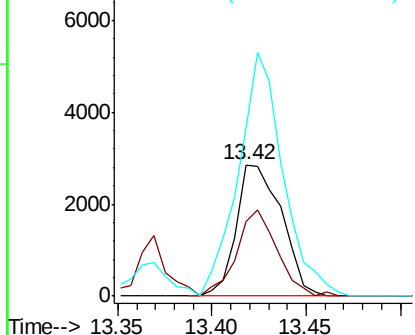


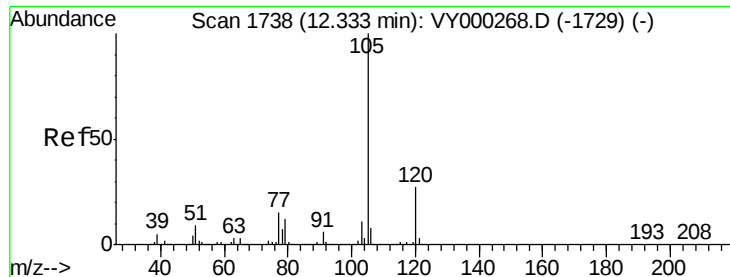
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1916
Delta R.T. -0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.3	88.0
150	182.8	0.0	348.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 61.934 ug/l

RT: 12.33 min Scan# 1738

Delta R.T. 0.00 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Instrument :

MSVOA_Y

ClientSampleId :

TP1-2FTMSD

Tot Ion:105 Resp: 22992

Ion Ratio Lower Upper

105 100

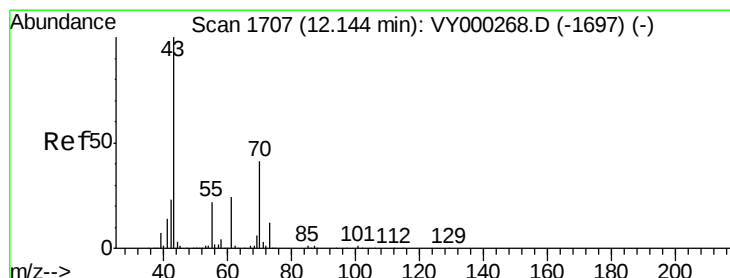
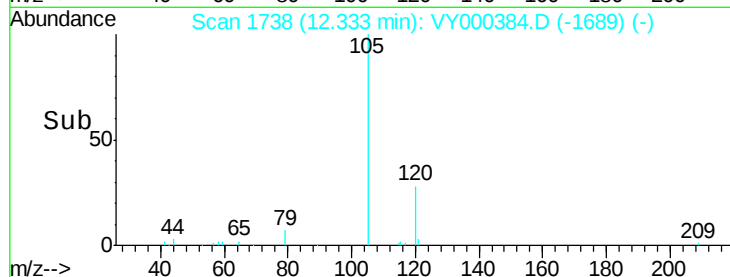
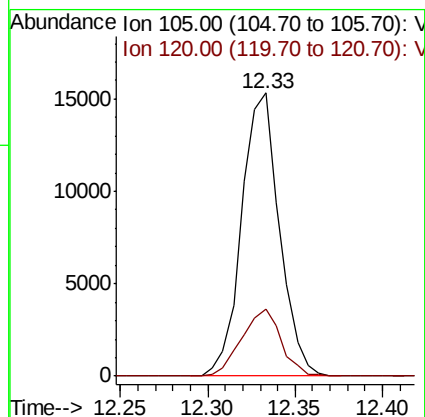
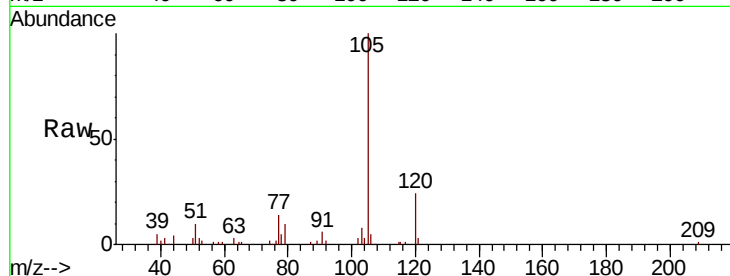
120 24.8 13.4 40.2

Manual Integrations

APPROVED

MMDadoda

10/24/2019 4:30:39 PM



#74

N-ethyl acetate

Concen: 6.737 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.01 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Tgt Ion: 43 Resp: 614

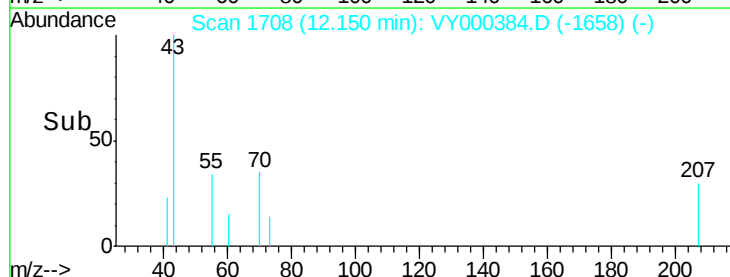
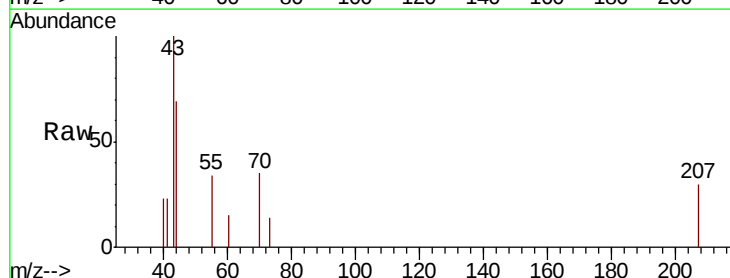
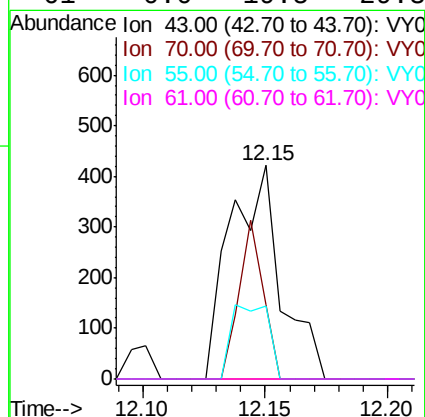
Ion Ratio Lower Upper

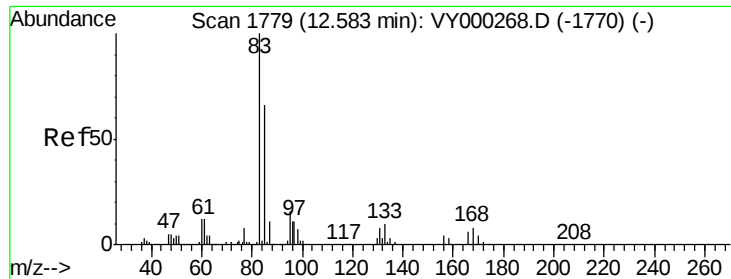
43 100

70 34.9 32.9 49.3

55 25.2 17.8 26.6

61 0.0 19.5 29.3#





#75

1,1,2,2-Tetrachloroethane

Concen: 22.051 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Instrument :

MSVOA_Y

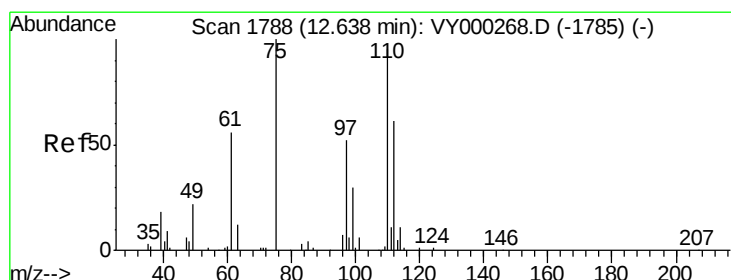
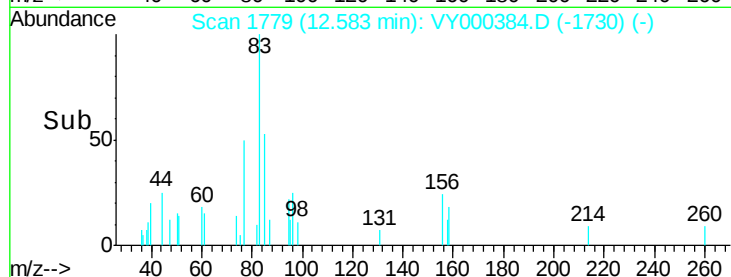
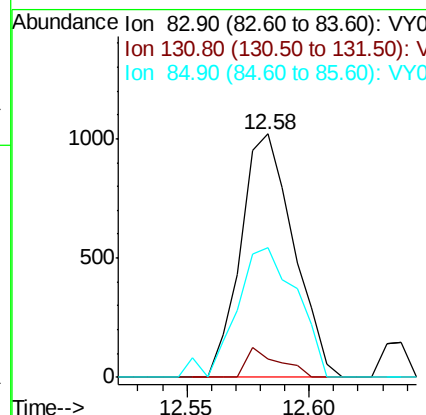
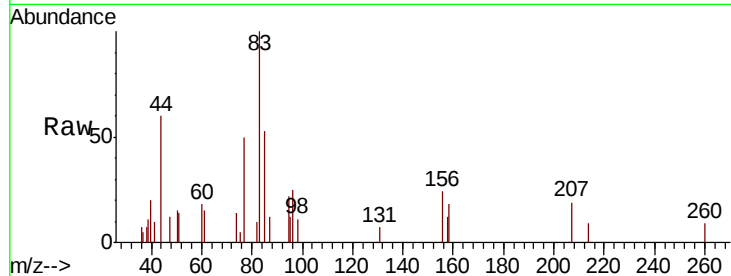
ClientSampleId :

TP1-2FTMSD

Tot Ion:	83	Resp:	1537
Ion Ratio	Lower	Upper	
83	100		
131	7.4	5.3	16.1
85	61.4	32.9	98.7

Manual Integrations
APPROVED

MMDadoda
10/24/2019 4:30:39 PM



#76

1,2,3-Trichloropropane

Concen: 78.949 ug/l m

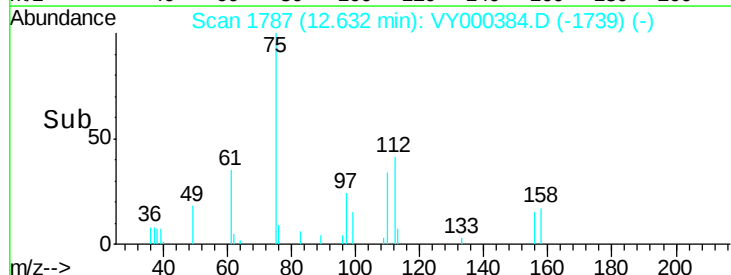
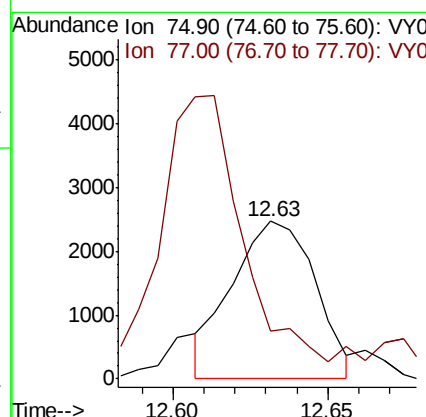
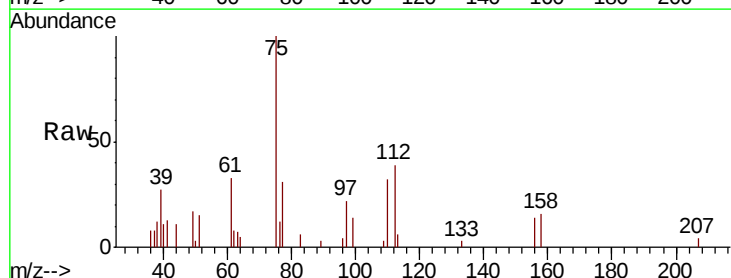
RT: 12.63 min Scan# 1787

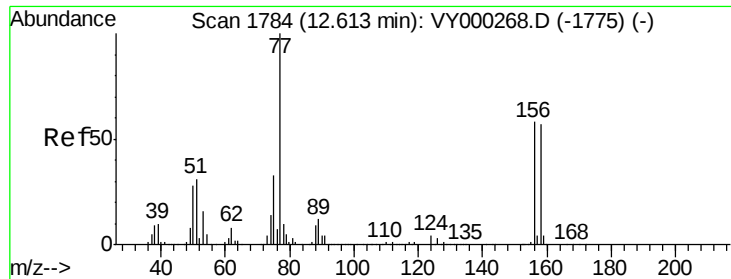
Delta R.T. -0.01 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Tgt Ion:	75	Resp:	4622
Ion Ratio	Lower	Upper	
75	100		
77	183.3	0.0	0.0#





#77

Bromobenzene

Concen: 61.483 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Instrument :

MSVOA_Y

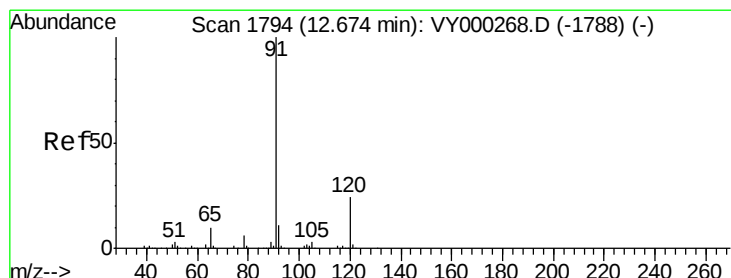
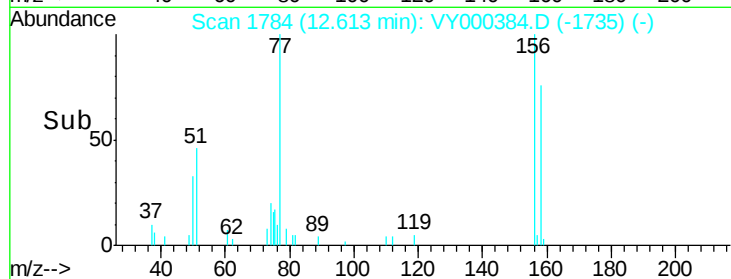
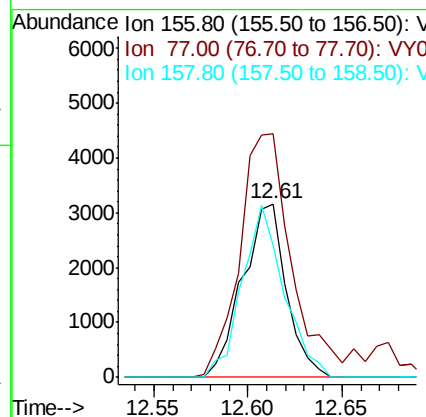
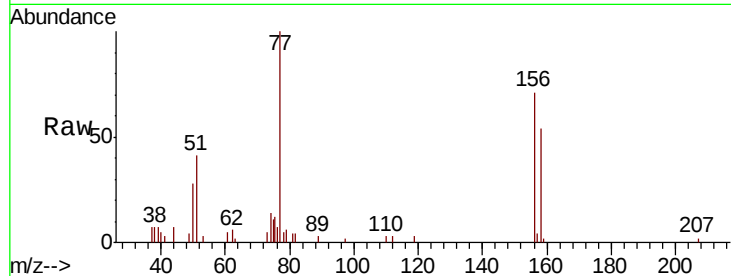
ClientSampleId :

TP1-2FTMSD

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	166.8	101.0	302.9	
158	95.3	49.7	149.1	

Manual Integrations
APPROVED

MMDadoda
10/24/2019 4:30:39 PM



#78

n-propylbenzene

Concen: 53.543 ug/l

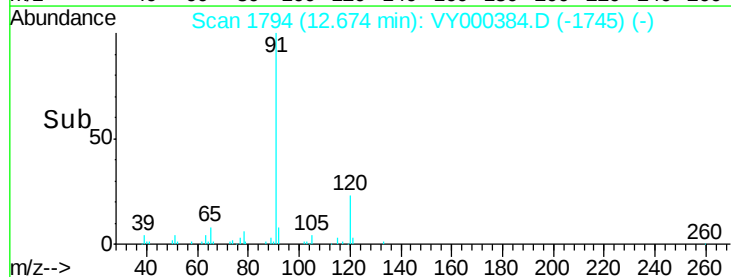
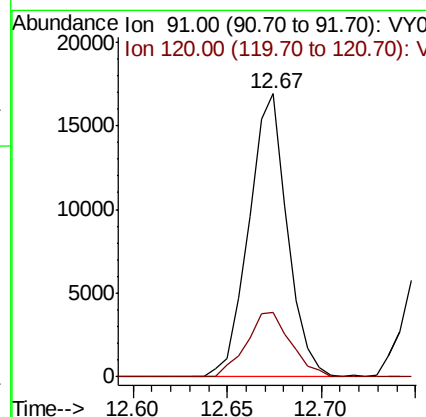
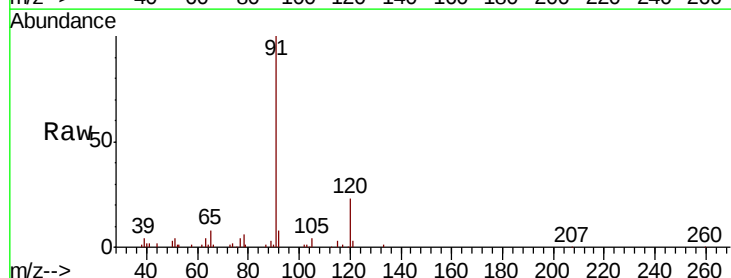
RT: 12.67 min Scan# 1794

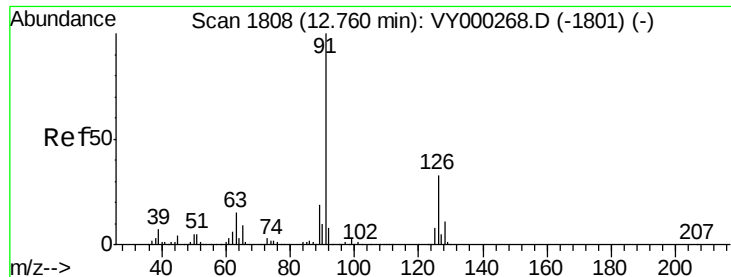
Delta R.T. 0.00 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	26.2	11.5	34.5	





#79

2-Chlorotoluene

Concen: 58.150 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. 0.00 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Instrument :

MSVOA_Y

ClientSampleId :

TP1-2FTMSD

Tot Ion: 91 Resp: 14314

Ion Ratio Lower Upper

91 100

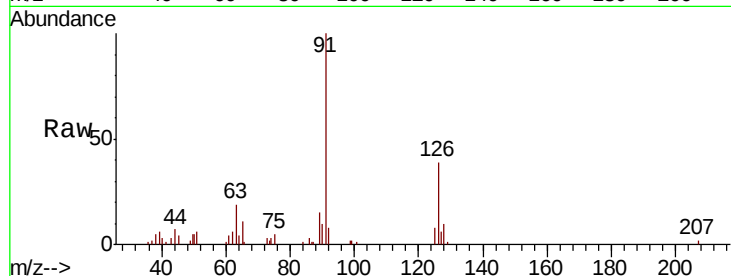
126 40.7 17.1 51.3

Manual Integrations

APPROVED

MMDadoda

10/24/2019 4:30:39 PM



Abundance Ion 91.00 (90.70 to 91.70): VY000384.D (-1759) (-)

Ion 125.90 (125.60 to 126.60): VY000384.D (-1759) (-)

20000

15000

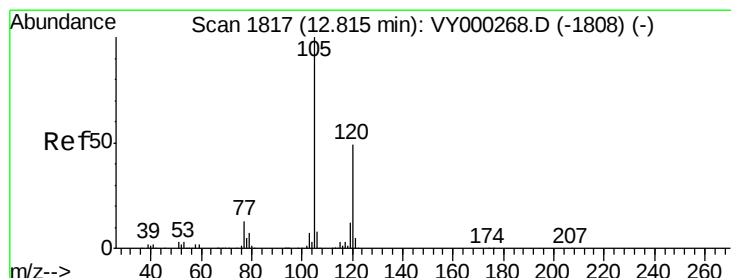
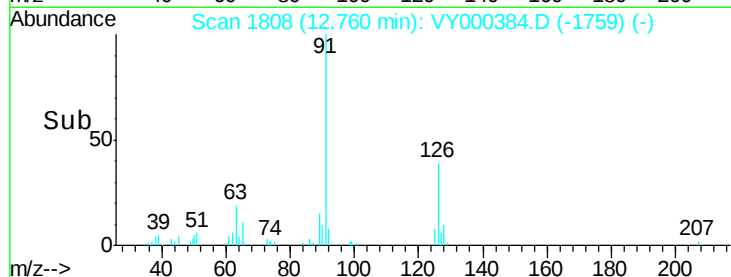
10000

5000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 62.582 ug/l

RT: 12.81 min Scan# 1817

Delta R.T. 0.00 min

Lab File: VY000384.D

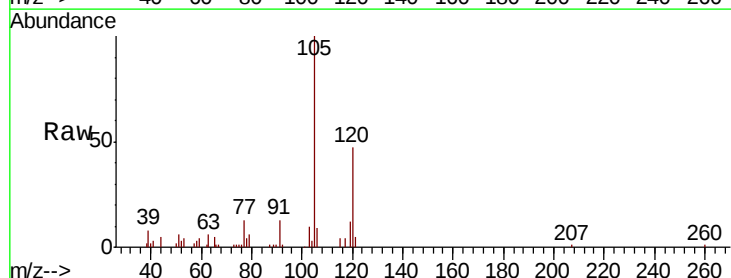
Acq: 23 Oct 2019 16:23

Tgt Ion: 105 Resp: 19481

Ion Ratio Lower Upper

105 100

120 48.7 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): VY000384.D (-1768) (-)

Ion 120.00 (119.70 to 120.70): VY000384.D (-1768) (-)

15000

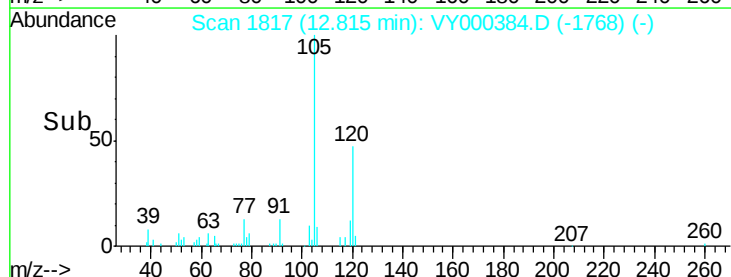
10000

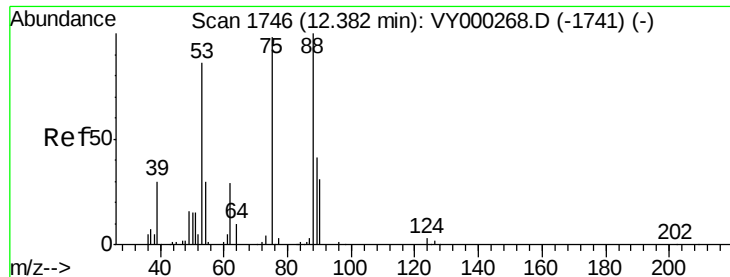
5000

0

12.75 12.80 12.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 7.886 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. 0.00 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Instrument :

MSVOA_Y

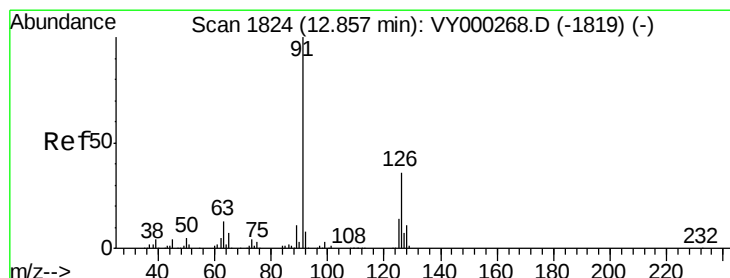
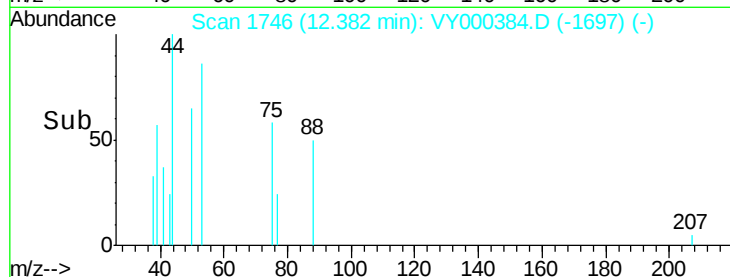
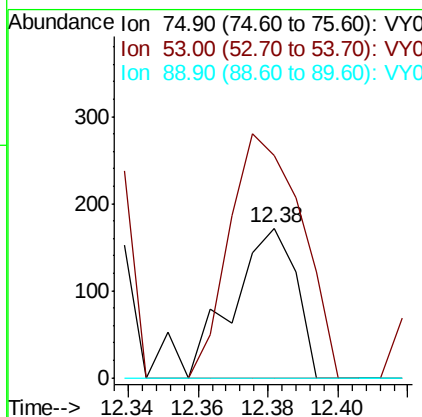
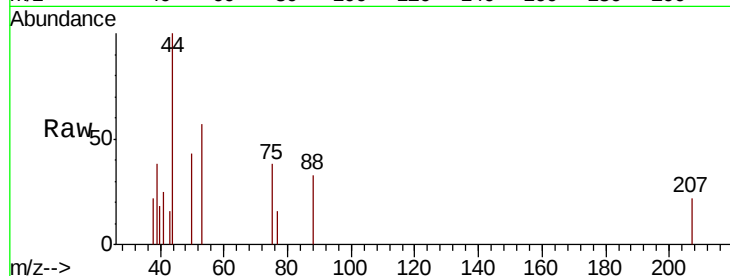
ClientSampleId :

TP1-2FTMSD

Tot Ion:	75	Resp:	211
Ion	Ratio	Lower	Upper
75	100		
53	190.5	71.3	106.9#
89	0.0	35.1	52.7#

Manual Integrations
APPROVED

MMDadoda
10/24/2019 4:30:39 PM



#82

4-Chlorotoluene

Concen: 51.249 ug/l

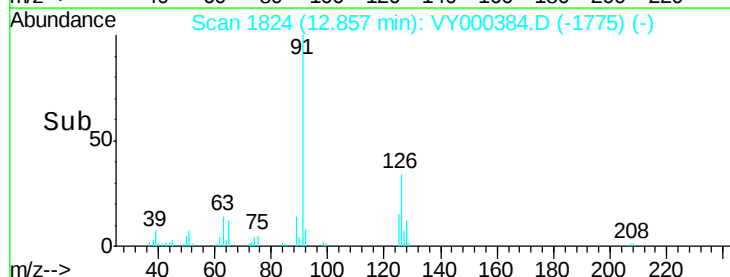
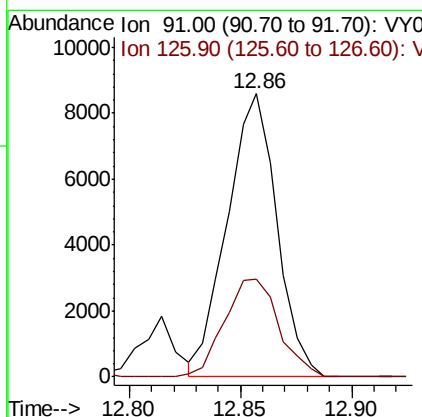
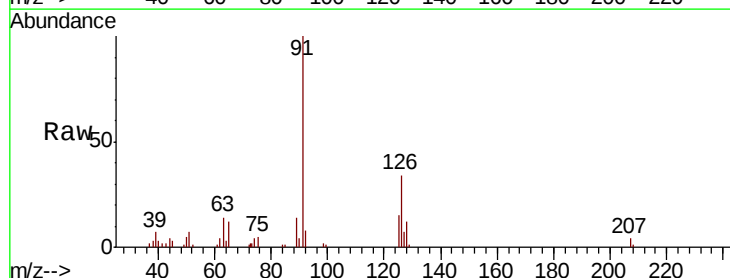
RT: 12.86 min Scan# 1824

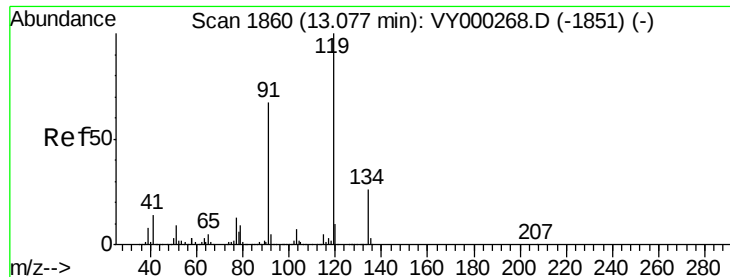
Delta R.T. 0.00 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Tgt Ion:	91	Resp:	13335
Ion	Ratio	Lower	Upper
91	100		
126	37.8	17.2	51.5





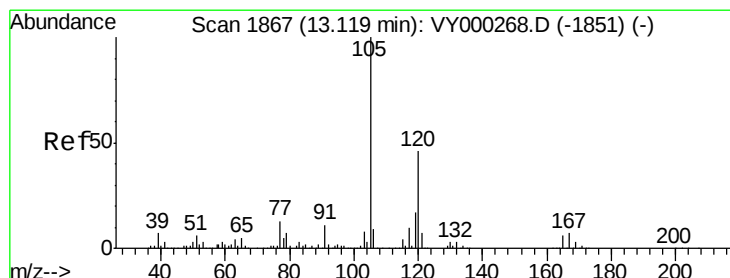
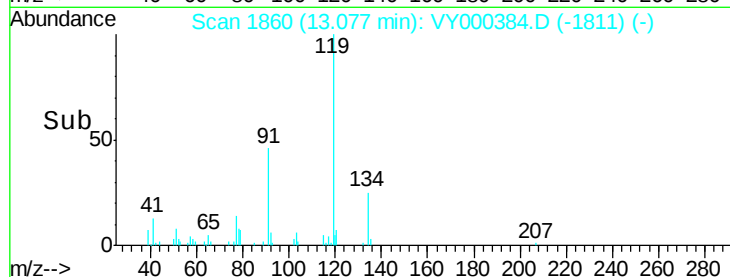
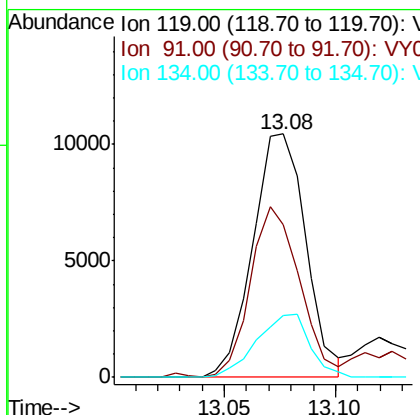
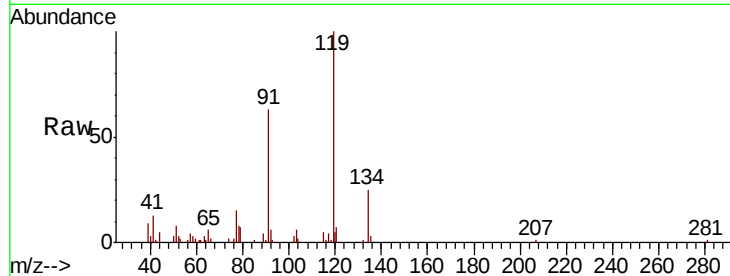
#83
tert-Butylbenzene
Concen: 65.612 ug/l
RT: 13.08 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.4	32.9	98.7
134	26.1	13.3	39.8

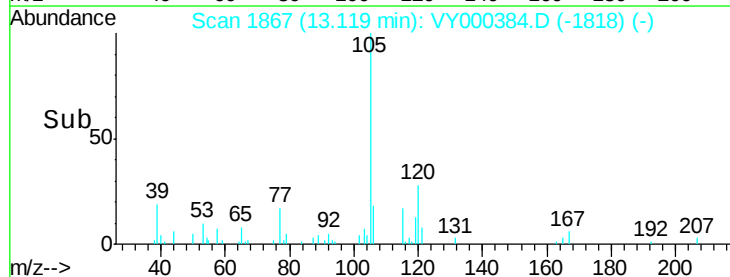
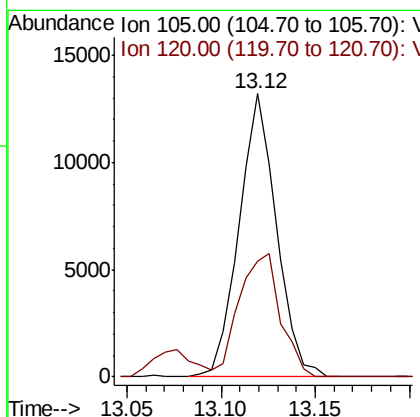
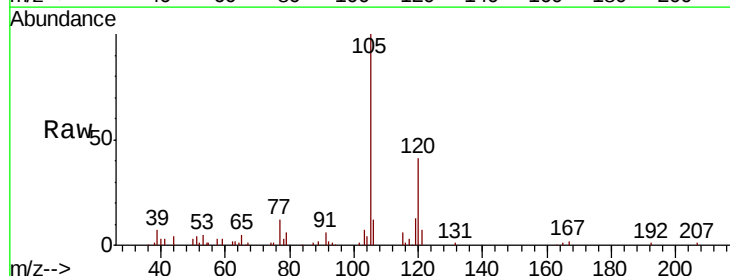
Manual Integrations
APPROVED

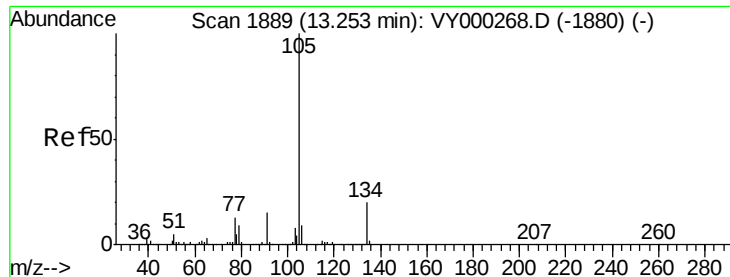
MMDadoda
10/24/2019 4:30:39 PM



#84
1,2,4-Trimethylbenzene
Concen: 58.969 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.0	22.9	68.8





#85

sec-Butylbenzene

Concen: 58.855 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.00 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Instrument :

MSVOA_Y

ClientSampleId :

TP1-2FTMSD

Tot Ion:105 Resp: 22444

Ion Ratio Lower Upper

105 100

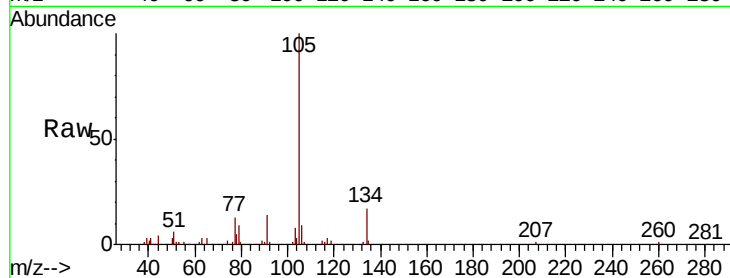
134 20.8 10.1 30.1

Manual Integrations

APPROVED

MMDadoda

10/24/2019 4:30:39 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.25

15000

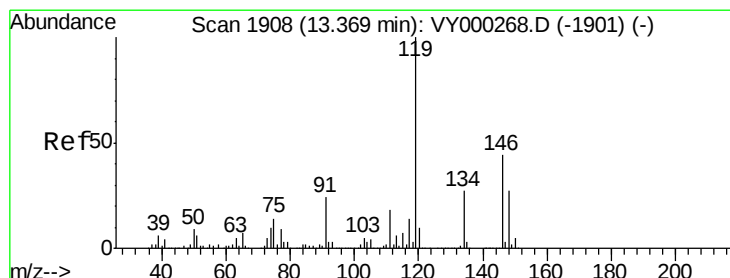
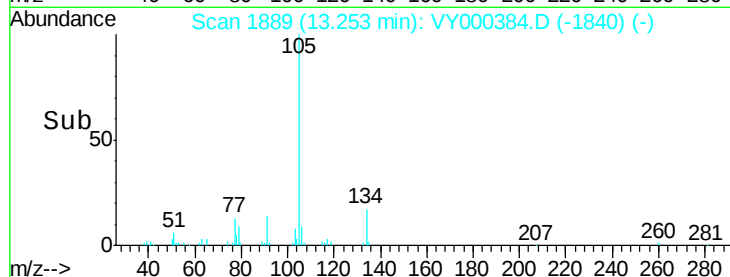
10000

5000

0

Time-->

13.20 13.25 13.30



#86

p-Isopropyltoluene

Concen: 54.310 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.00 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

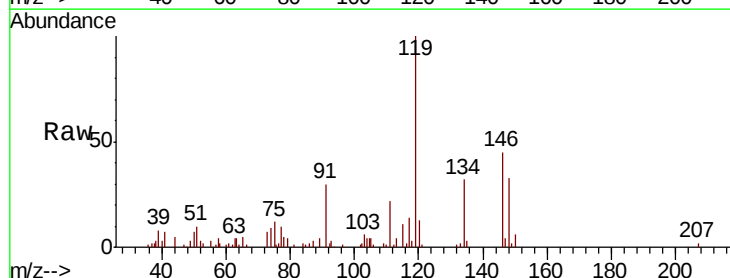
Tgt Ion:119 Resp: 18056

Ion Ratio Lower Upper

119 100

134 27.7 13.6 40.8

91 25.9 12.0 36.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

13.37

15000

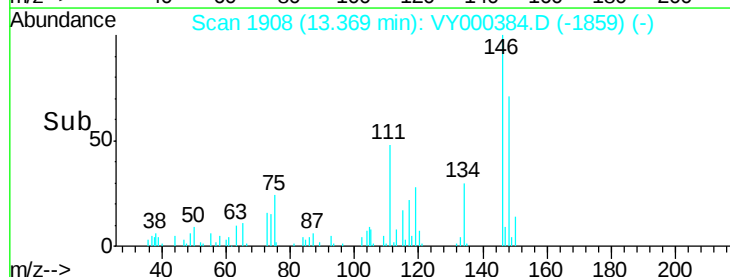
10000

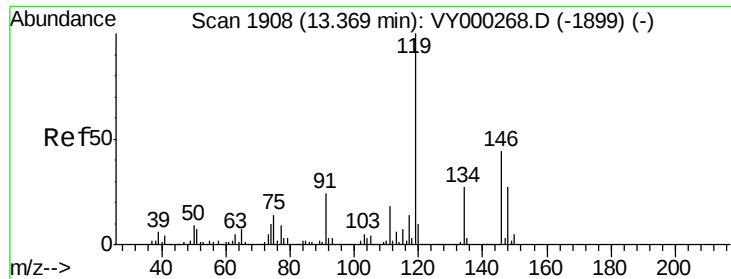
5000

0

Time-->

13.30 13.35 13.40 13.45





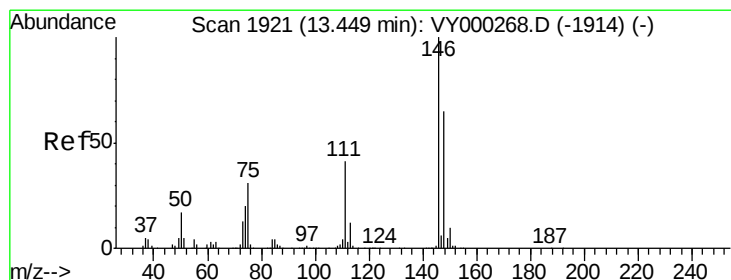
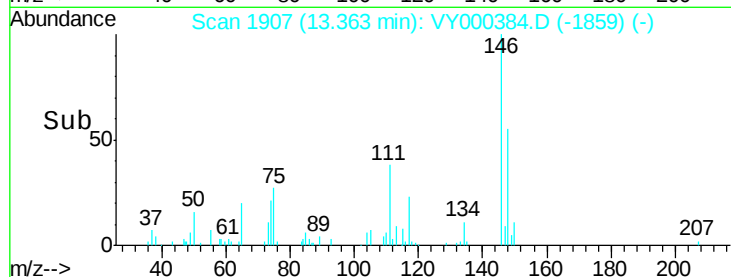
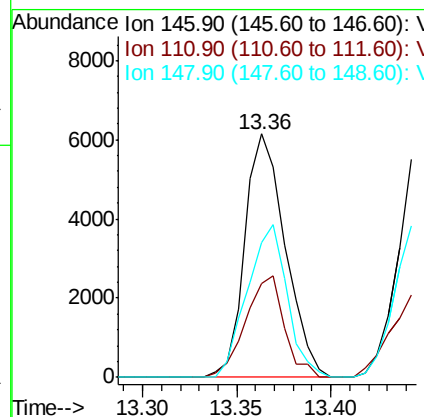
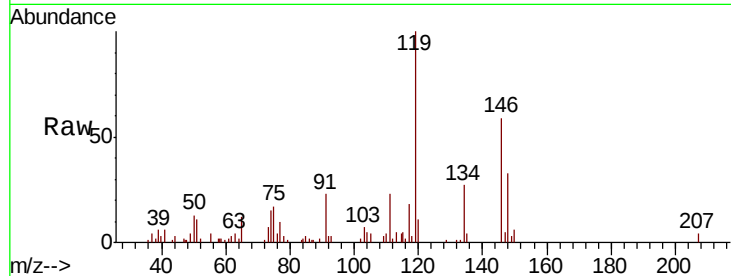
#87
 1,3-Dichlorobenzene
 Concen: 56.163 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.01 min
 Lab File: VY000384.D
 Acq: 23 Oct 2019 16:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP1-2FTMSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.6	61.8
148	61.8	31.9	95.5

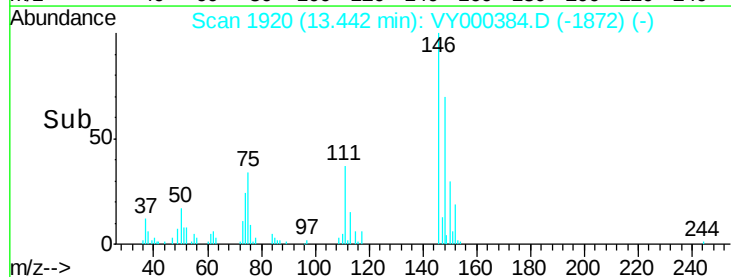
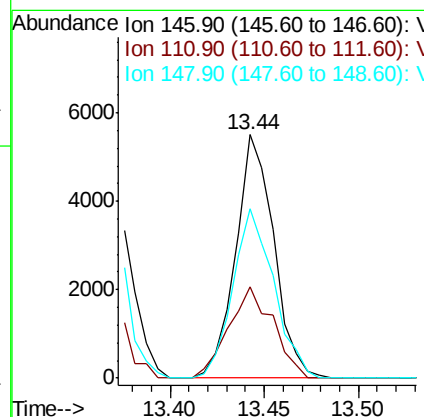
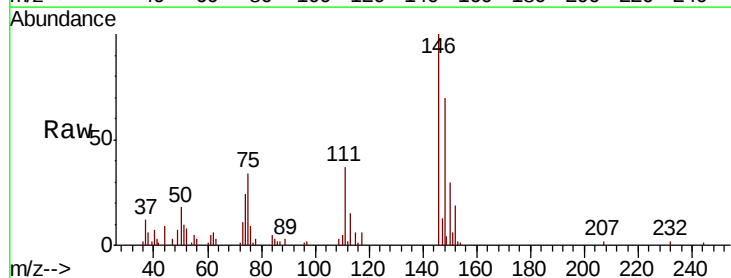
Manual Integrations
 APPROVED

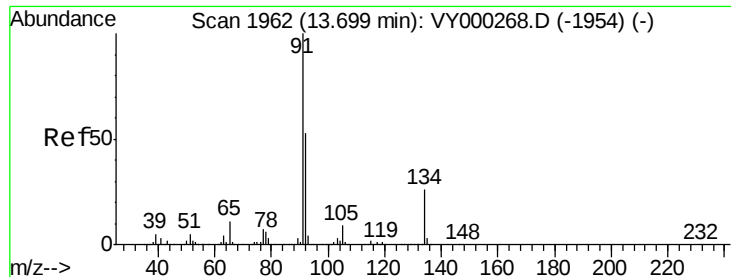
MMDadoda
 10/24/2019 4:30:39 PM



#88
 1,4-Dichlorobenzene
 Concen: 47.553 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.01 min
 Lab File: VY000384.D
 Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	20.1	60.2
148	74.5	32.4	97.2





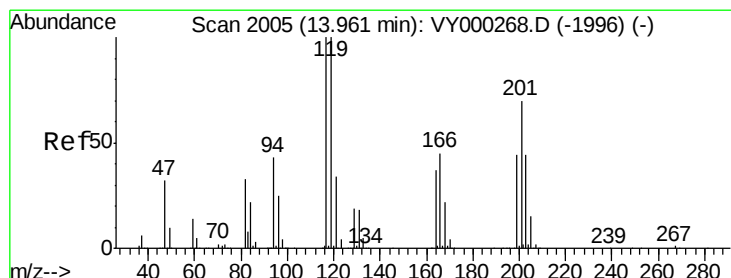
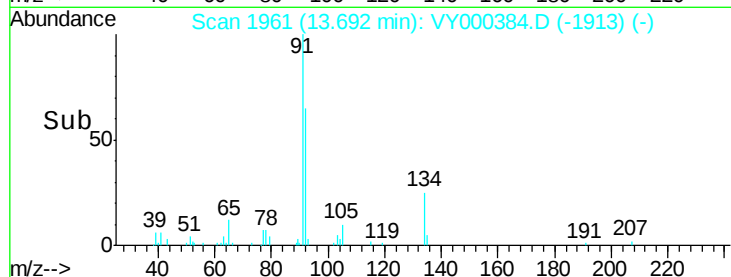
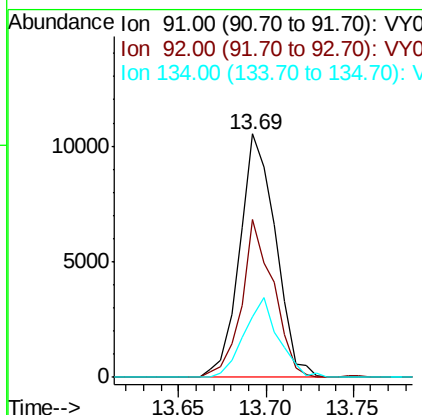
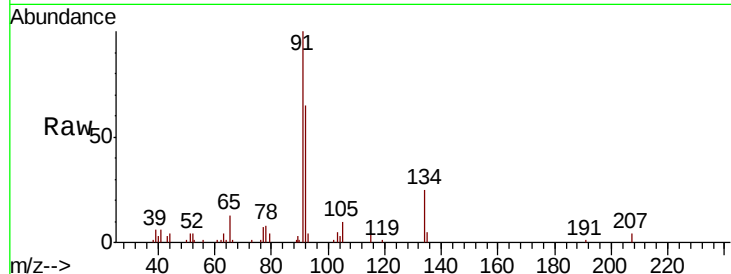
#89
n-Butylbenzene
Concen: 45.568 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	57.6	26.7	80.1
134	31.0	13.0	38.9

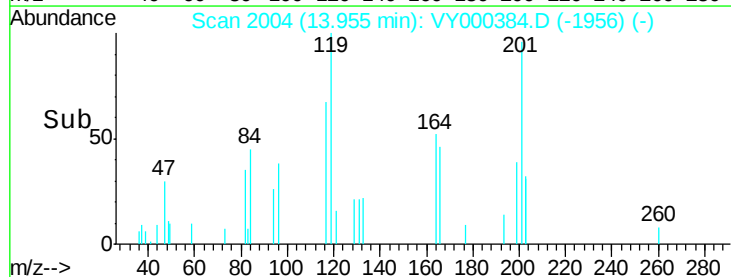
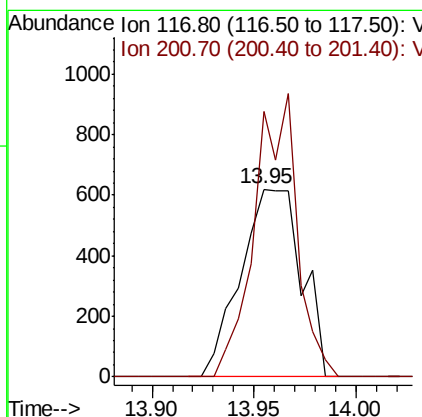
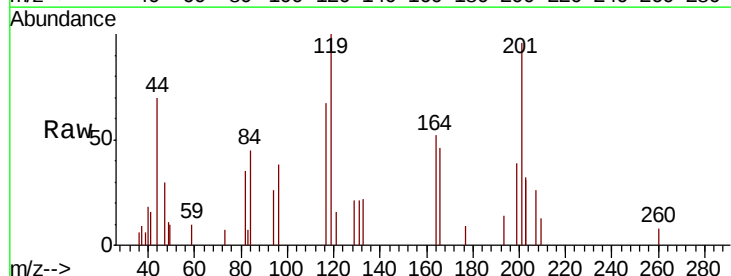
Manual Integrations
APPROVED

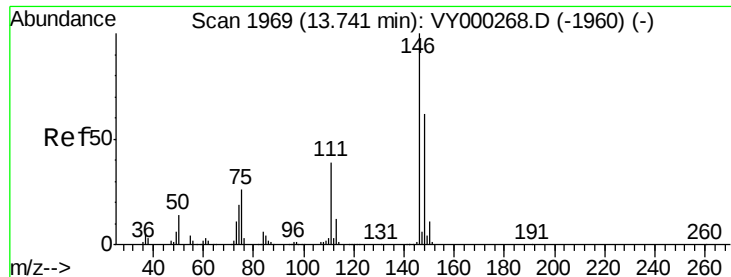
MMDadoda
10/24/2019 4:30:39 PM



#90
Hexachloroethane
Concen: 21.035 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.01 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	104.5	36.3	108.7





#91

1,2-Dichlorobenzene

Concen: 59.255 ug/l

RT: 13.74 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Instrument :

MSVOA_Y

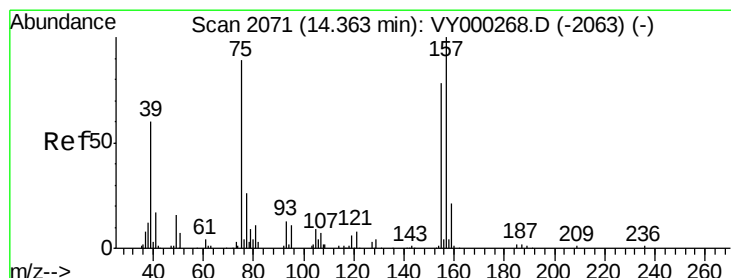
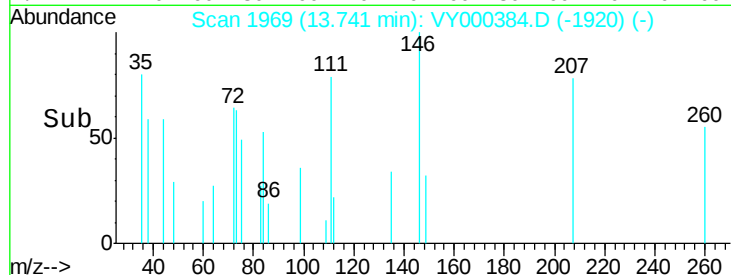
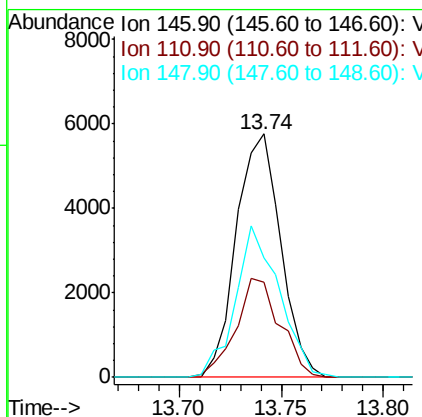
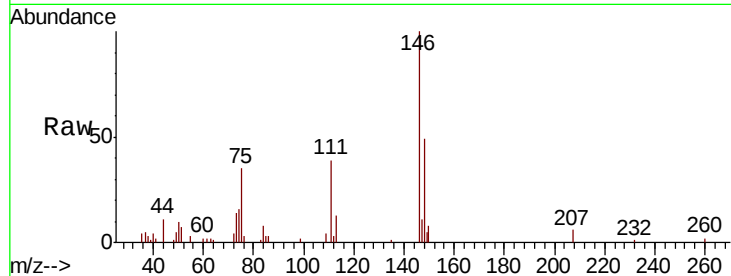
ClientSampleId :

TP1-2FTMSD

Tot Ion:	146	Resp:	8728
Ion Ratio	Lower	Upper	
146	100		
111	40.6	20.5	61.5
148	61.4	31.6	95.0

Manual Integrations
APPROVED

MMDadoda
10/24/2019 4:30:39 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 10.591 ug/l

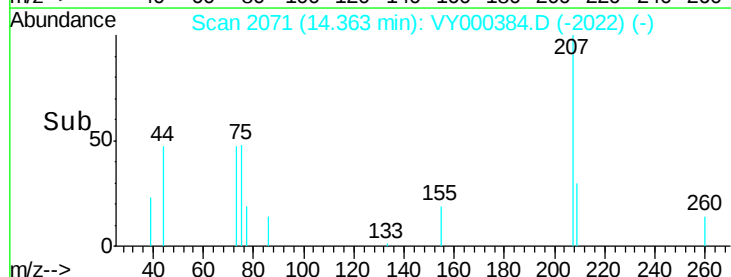
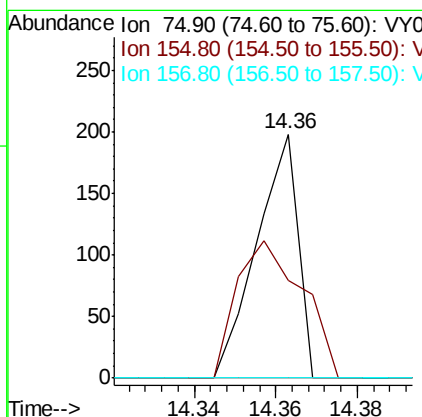
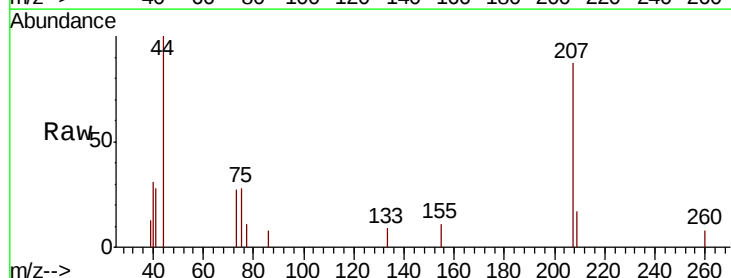
RT: 14.36 min Scan# 2071

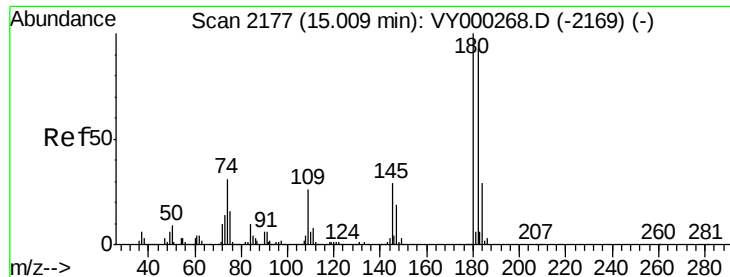
Delta R.T. 0.00 min

Lab File: VY000384.D

Acq: 23 Oct 2019 16:23

Tgt Ion:	75	Resp:	140
Ion Ratio	Lower	Upper	
75	100		
155	89.3	45.8	137.3
157	0.0	55.6	166.9#





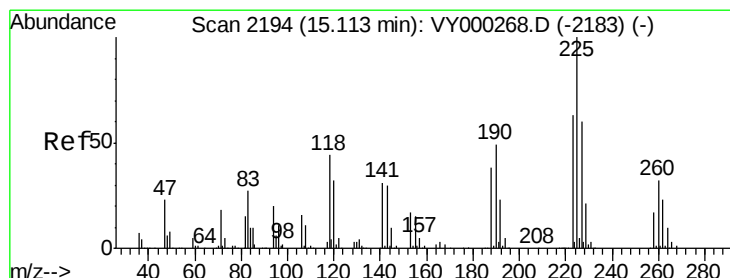
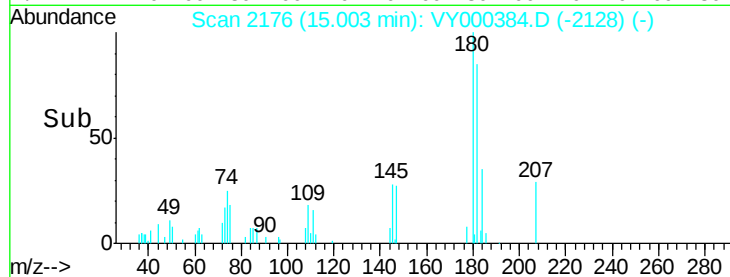
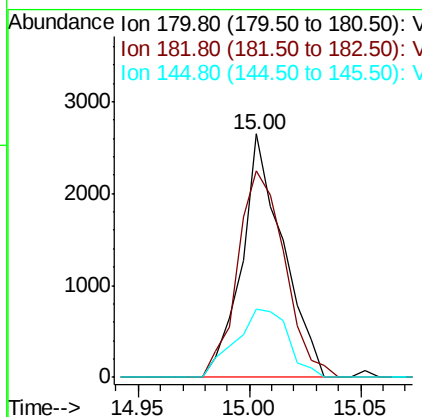
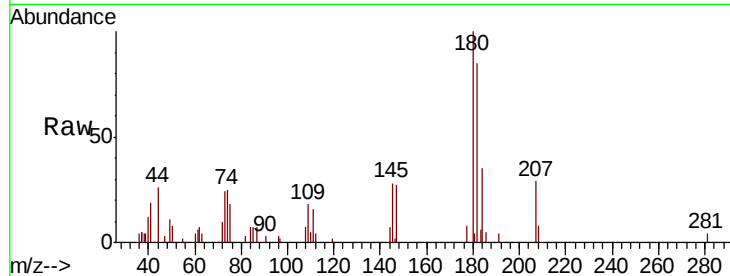
#93
 1,2,4-Trichlorobenzene
 Concen: 33.290 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.01 min
 Lab File: VY000384.D
 Acq: 23 Oct 2019 16:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP1-2FTMSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	3414		
182	96.9	47.5	142.6	
145	35.8	15.4	46.1	

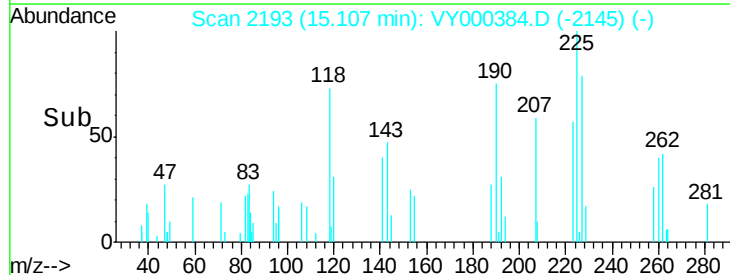
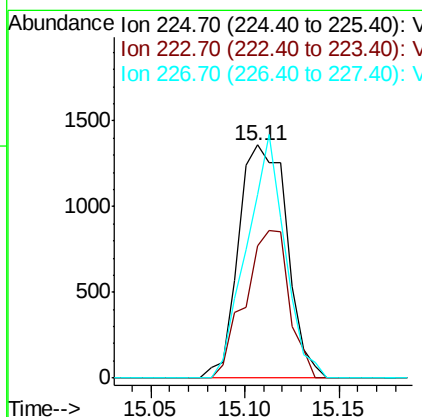
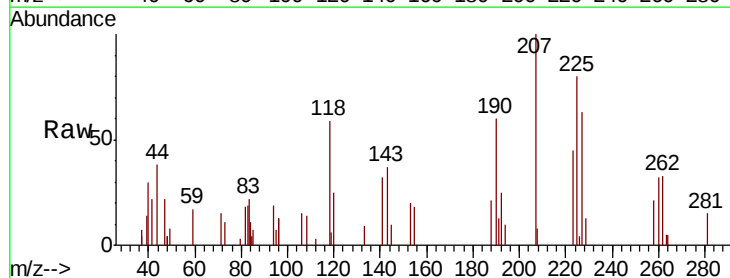
Manual Integrations
 APPROVED

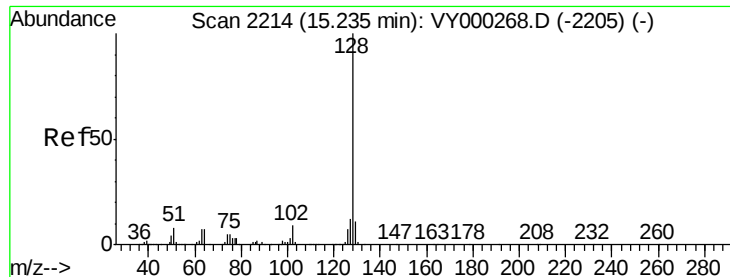
MMDadoda
 10/24/2019 4:30:39 PM



#94
 Hexachlorobutadiene
 Concen: 43.605 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.01 min
 Lab File: VY000384.D
 Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	2420		
223	57.6	31.9	95.7	
227	82.0	31.4	94.2	





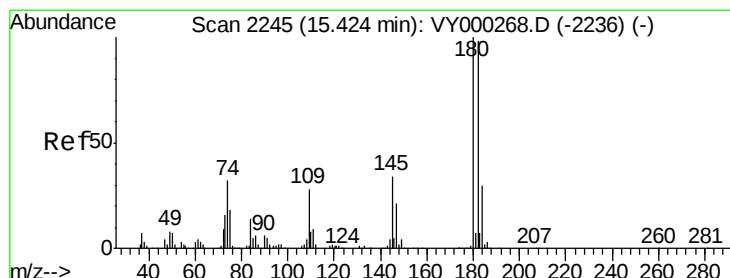
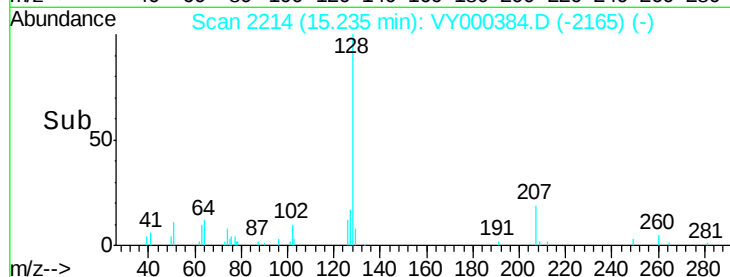
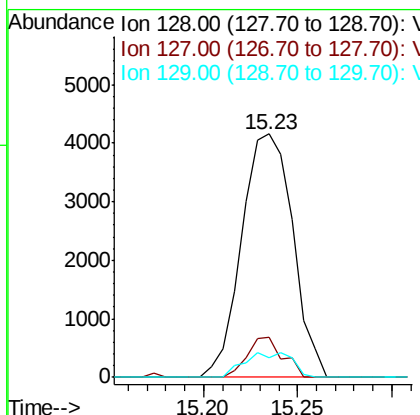
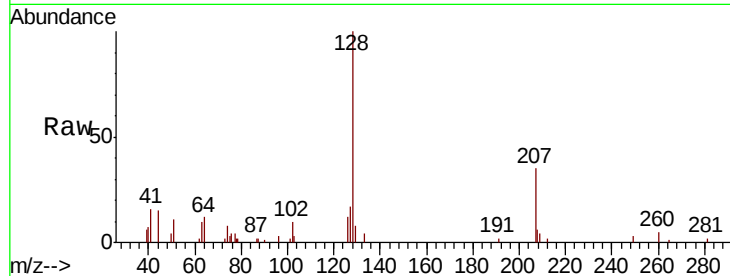
#95
Naphthalene
Concen: 34.052 ug/l
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Instrument :
MSVOA_Y
ClientSampleId :
TP1-2FTMSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	11.5	9.6	14.4
129	9.6	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/24/2019 4:30:39 PM



#96
1,2,3-Trichlorobenzene
Concen: 34.958 ug/l
RT: 15.42 min Scan# 2245
Delta R.T. 0.00 min
Lab File: VY000384.D
Acq: 23 Oct 2019 16:23

Tgt Ion	Ratio	Lower	Upper
180	100		
182	83.8	46.5	139.5
145	36.9	16.2	48.5

