

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011320\
 Data File : VY001188.D
 Acq On : 13 Jan 2020 18:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 1/14/2020 12:48:08 PM

Quant Time: Jan 14 11:28:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	180261	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	321568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	290439	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	139592	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.15	65	103298	54.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.52%	
35) Dibromofluoromethane	7.73	113	96867	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.18	98	397178	54.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.50%	
62) 4-Bromofluorobenzene	12.48	95	153080	51.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.90	85	71401	51.576	ug/l	98
3) Chloromethane	2.12	50	100839	50.534	ug/l	100
4) Vinyl Chloride	2.25	62	107345	53.397	ug/l	98
5) Bromomethane	2.65	94	72097	66.766	ug/l	96
6) Chloroethane	2.80	64	68827	59.261	ug/l	99
7) Trichlorofluoromethane	3.13	101	137528	49.148	ug/l	98
8) Diethyl Ether	3.54	74	59189	54.435	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.91	101	91042	50.545	ug/l	99
10) Methyl Iodide	4.10	142	123441	50.069	ug/l	99
11) Tert butyl alcohol	4.97	59	52922	276.276	ug/l	99
12) 1,1-Dichloroethene	3.88	96	94029	51.025	ug/l	98
13) Acrolein	3.74	56	45988	266.678	ug/l	100
14) Allyl chloride	4.49	41	162083	52.114	ug/l	99
15) Acrylonitrile	5.18	53	153987	283.169	ug/l	99
16) Acetone	3.96	43	132353	299.334	ug/l	95
17) Carbon Disulfide	4.20	76	307282	51.520	ug/l	100
18) Methyl Acetate	4.49	43	78073	53.406	ug/l	99
19) Methyl tert-butyl Ether	5.22	73	275900	54.126	ug/l	99
20) Methylene Chloride	4.73	84	114340	56.172	ug/l	98
21) trans-1,2-Dichloroethene	5.23	96	109293	52.305	ug/l	95
22) Diisopropyl ether	6.13	45	343243	54.033	ug/l	94
23) Vinyl Acetate	6.07	43	1104168	271.783	ug/l	100
24) 1,1-Dichloroethane	6.03	63	182959	52.609	ug/l	99
25) 2-Butanone	7.00	43	206166	299.593	ug/l	99
26) 2,2-Dichloropropane	6.99	77	153228	47.913	ug/l	100
27) cis-1,2-Dichloroethene	7.00	96	123661	54.010	ug/l	98
28) Bromochloromethane	7.35	49	81861	57.322	ug/l	99
29) Tetrahydrofuran	7.36	42	137008	290.521	ug/l	98
30) Chloroform	7.52	83	178792	52.469	ug/l	98
31) Cyclohexane	7.79	56	178820	48.563	ug/l	98
32) 1,1,1-Trichloroethane	7.71	97	153487	50.765	ug/l	100
36) 1,1-Dichloropropene	7.93	75	144395	49.267	ug/l	99
37) Ethyl Acetate	7.08	43	91355	53.111	ug/l	99
38) Carbon Tetrachloride	7.91	117	131892	49.103	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011320\
 Data File : VY001188.D
 Acq On : 13 Jan 2020 18:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 1/14/2020 12:48:08 PM

Quant Time: Jan 14 11:28:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 10 16:01:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	194802	49.025	ug/l	99
40) Benzene	8.17	78	444587	51.965	ug/l	99
41) Methacrylonitrile	7.33	41	42067m	52.064	ug/l	
42) 1,2-Dichloroethane	8.24	62	122814	51.266	ug/l	100
43) Isopropyl Acetate	8.28	43	179061	54.440	ug/l	99
44) Trichloroethene	8.94	130	117071	52.514	ug/l	98
45) 1,2-Dichloropropane	9.22	63	112175	53.036	ug/l	95
46) Dibromomethane	9.31	93	62134	53.841	ug/l	99
47) Bromodichloromethane	9.50	83	146899	52.231	ug/l	99
48) Methyl methacrylate	9.30	41	81918	53.820	ug/l	98
49) 1,4-Dioxane	9.30	88	16323	1161.449	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	463665	277.821	ug/l	100
52) Toluene	10.24	92	286753	52.550	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	164759	52.352	ug/l	98
54) cis-1,3-Dichloropropene	9.93	75	185279	52.216	ug/l	98
55) 1,1,2-Trichloroethane	10.64	97	92281	53.939	ug/l	99
56) Ethyl methacrylate	10.51	69	142737	54.542	ug/l	99
57) 1,3-Dichloropropane	10.79	76	159694	54.372	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.78	63	223003	242.279	ug/l	100
59) 2-Hexanone	10.83	43	338341	289.269	ug/l	99
60) Dibromochloromethane	10.99	129	106220	53.924	ug/l	99
61) 1,2-Dibromoethane	11.09	107	89686	53.687	ug/l	99
64) Tetrachloroethene	10.72	164	104122	55.613	ug/l	99
65) Chlorobenzene	11.52	112	301930	52.026	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	104117	52.053	ug/l	99
67) Ethyl Benzene	11.59	91	545032	51.339	ug/l	99
68) m/p-Xylenes	11.70	106	415702	103.801	ug/l	100
69) o-Xylene	12.03	106	200505	52.219	ug/l	98
70) Styrene	12.04	104	357899	53.123	ug/l	99
71) Bromoform	12.20	173	65642	53.215	ug/l #	99
73) Isopropylbenzene	12.33	105	529577	50.464	ug/l	99
74) N-amyl acetate	12.14	43	181770	55.502	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.58	83	117214	53.089	ug/l	99
76) 1,2,3-Trichloropropane	12.63	75	95622m	63.989	ug/l	
77) Bromobenzene	12.61	156	120948	52.159	ug/l	97
78) n-propylbenzene	12.67	91	637110	50.473	ug/l	100
79) 2-Chlorotoluene	12.75	91	367964	50.758	ug/l	99
80) 1,3,5-Trimethylbenzene	12.81	105	446063	50.943	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	45213	51.308	ug/l #	97
82) 4-Chlorotoluene	12.85	91	387339	50.049	ug/l	98
83) tert-Butylbenzene	13.07	119	366078	49.756	ug/l	99
84) 1,2,4-Trimethylbenzene	13.12	105	447272	51.438	ug/l	99
85) sec-Butylbenzene	13.25	105	534764	50.524	ug/l	99
86) p-Isopropyltoluene	13.37	119	467177	50.836	ug/l	100
87) 1,3-Dichlorobenzene	13.36	146	230982	52.671	ug/l	99
88) 1,4-Dichlorobenzene	13.44	146	233217	51.672	ug/l	99
89) n-Butylbenzene	13.69	91	466531	50.404	ug/l	100
90) Hexachloroethane	13.95	117	91252	50.818	ug/l	99
91) 1,2-Dichlorobenzene	13.74	146	215219	52.806	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	20351	51.098	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY011320\
Data File : VY001188.D
Acq On : 13 Jan 2020 18:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

apatel
1/14/2020 12:48:08 PM

Quant Time: Jan 14 11:28:16 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 10 16:01:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	140312	52.252	ug/l	99
94) Hexachlorobutadiene	15.11	225	66943	49.484	ug/l	99
95) Naphthalene	15.23	128	338179	54.095	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	124665	52.677	ug/l	99

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

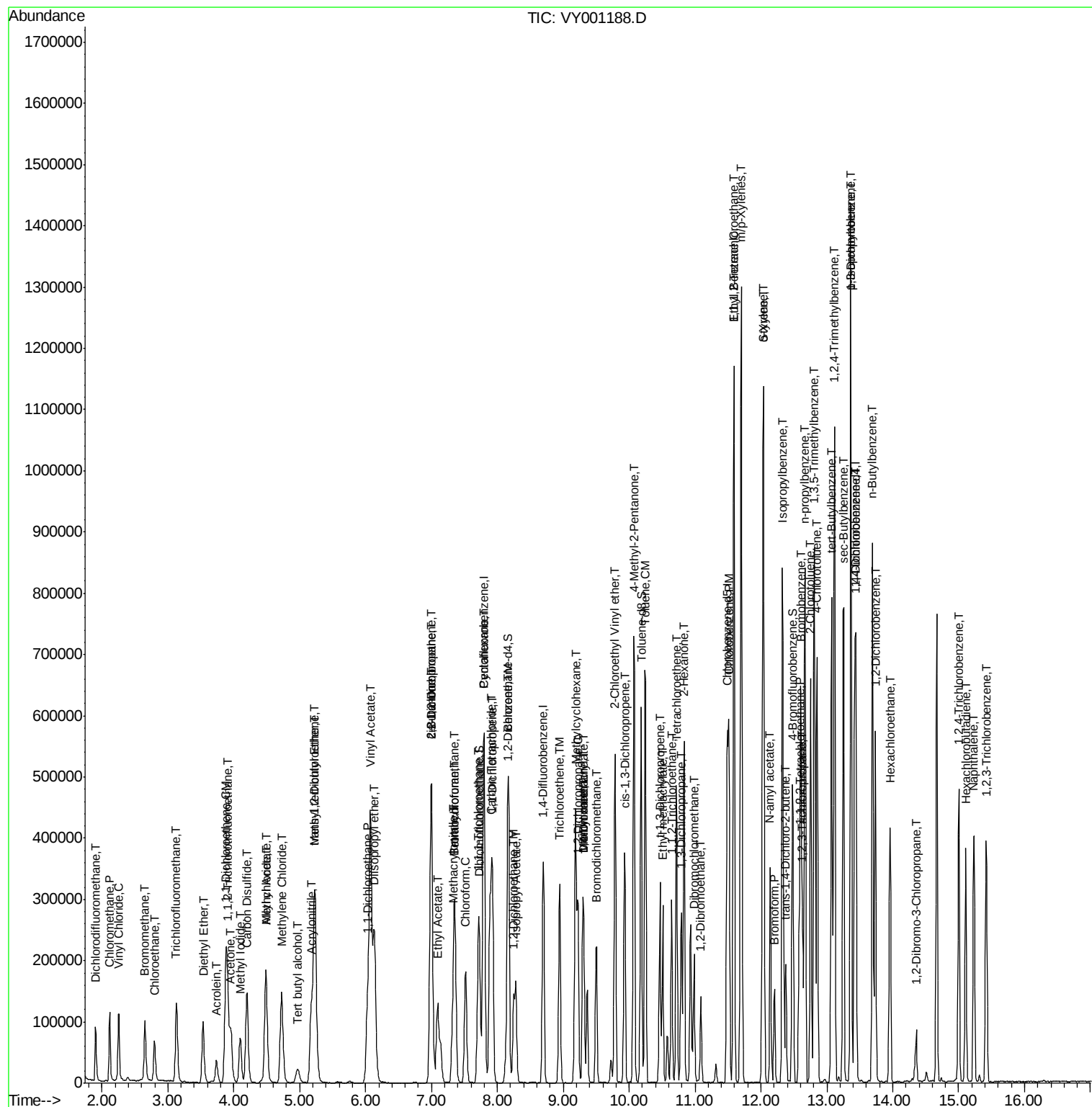
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY011320\
Data File : VY001188.D
Acq On : 13 Jan 2020 18:21
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 22 Sample Multiplier: 1

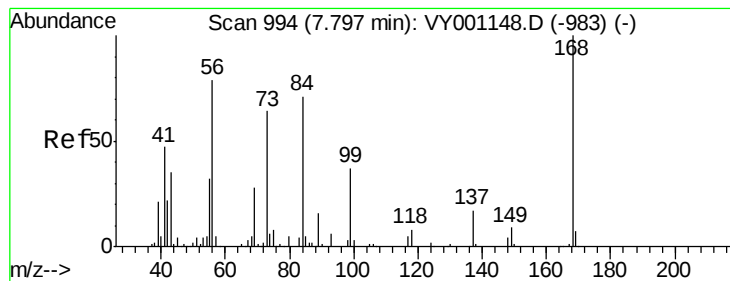
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

apatel
1/14/2020 12:48:08 PM

Quant Time: Jan 14 11:28:16 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y011020S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 10 16:01:58 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 995

Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 180261

Ion Ratio Lower Upper

168 100

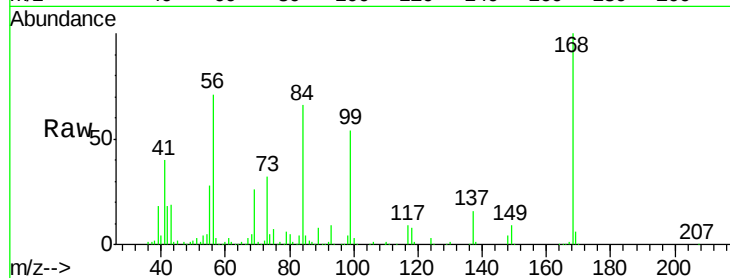
99 54.5 47.9 71.9

Manual Integrations

APPROVED

apatel

1/14/2020 12:48:08 PM



Abundance Ion 167.90 (167.60 to 168.60): VY001188.D (-983) (-)

Ion 98.90 (98.60 to 99.60): VY001188.D (-983) (-)

7.80

80000

60000

40000

20000

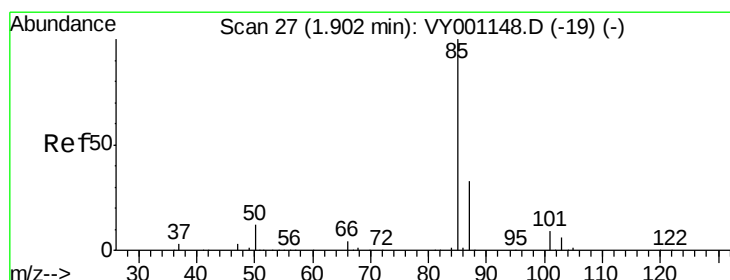
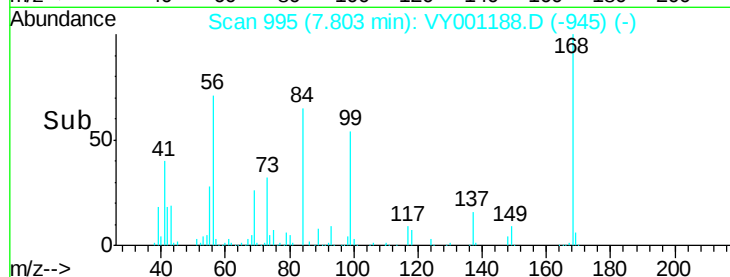
0

7.70

7.80

7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 51.576 ug/l

RT: 1.90 min Scan# 27

Delta R.T. -0.00 min

Lab File: VY001188.D

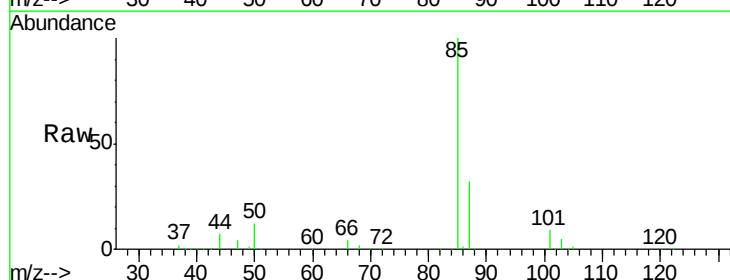
Acq: 13 Jan 2020 18:21

Tgt Ion: 85 Resp: 71401

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VY001188.D (-19) (-)

Ion 86.90 (86.60 to 87.60): VY001188.D (-19) (-)

1.90

60000

50000

40000

30000

20000

10000

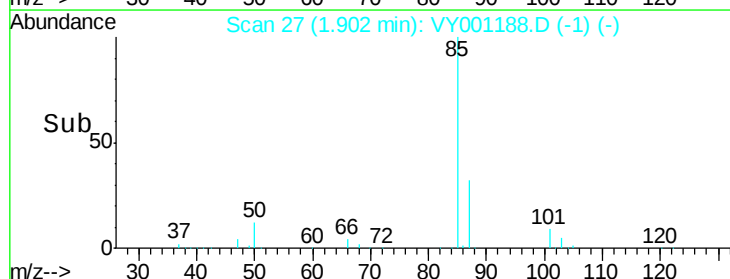
0

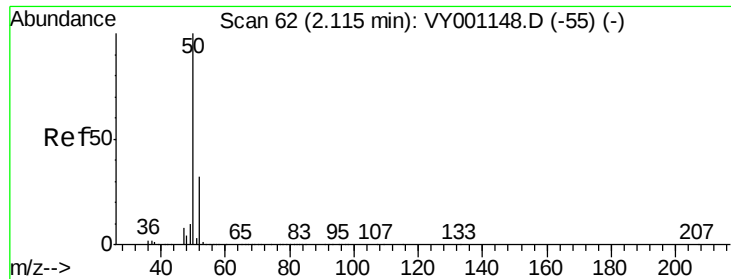
1.80

1.90

2.00

Time-->





#3

Chloromethane

Concen: 50.534 ug/l

RT: 2.12 min Scan# 62

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 100839

Ion Ratio Lower Upper

50 100

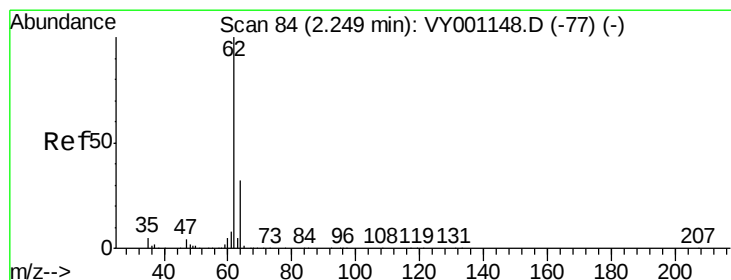
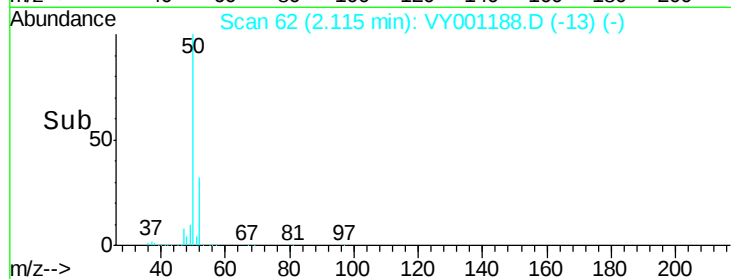
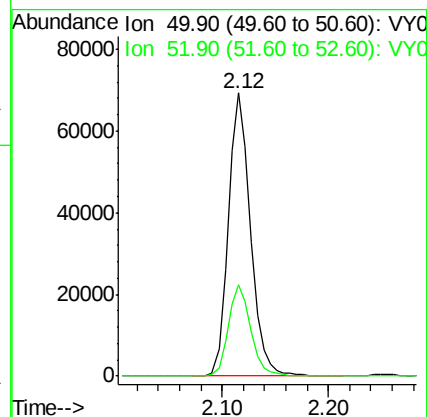
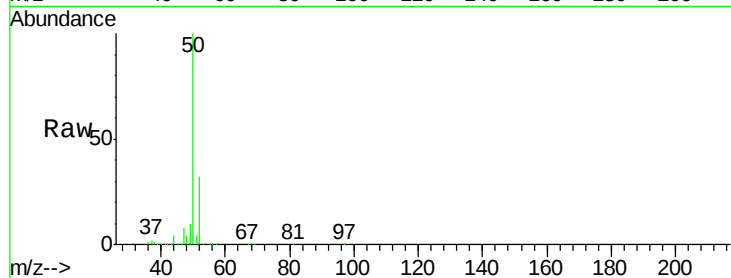
52 32.4 25.8 38.6

Manual Integrations

APPROVED

apatel

1/14/2020 12:48:08 PM



#4

Vinyl Chloride

Concen: 53.397 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.00 min

Lab File: VY001188.D

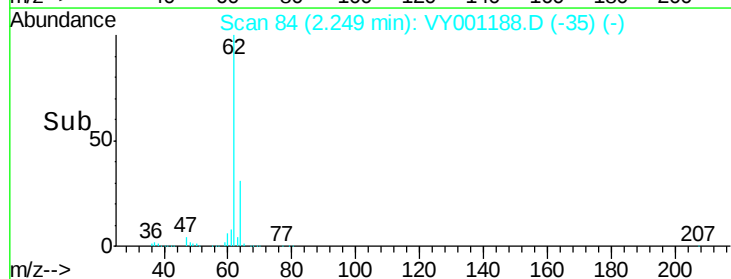
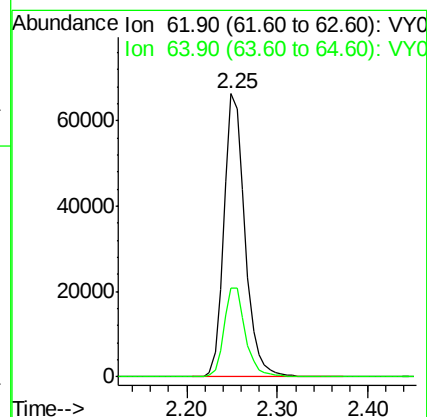
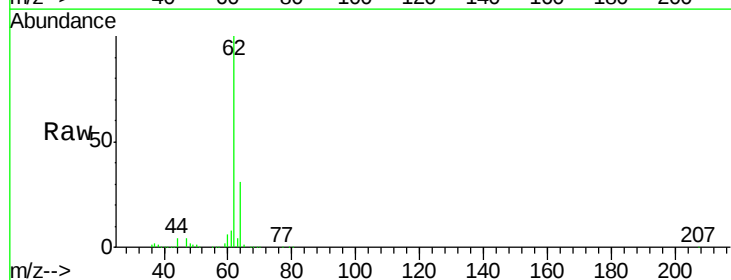
Acq: 13 Jan 2020 18:21

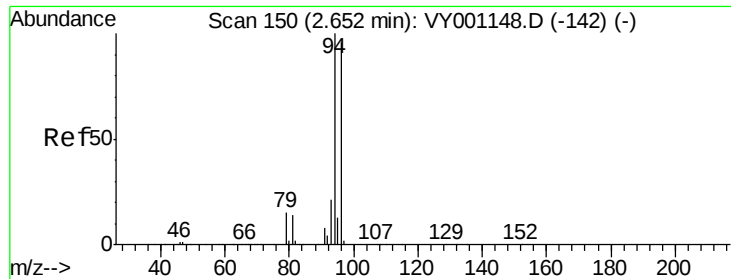
Tgt Ion: 62 Resp: 107345

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.8





#5

Bromomethane

Concen: 66.766 ug/l

RT: 2.65 min Scan# 150

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 72097

Ion Ratio Lower Upper

94 100

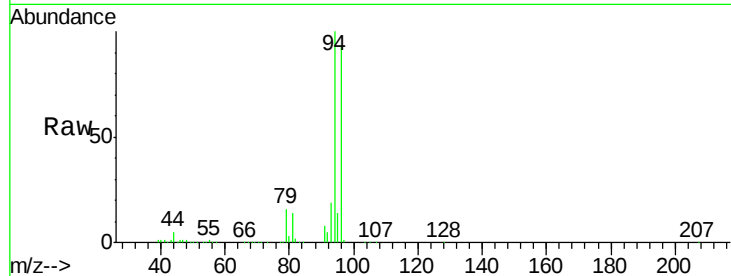
96 92.4 77.3 115.9

Manual Integrations

APPROVED

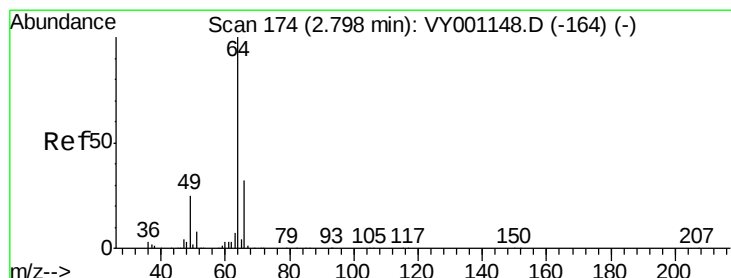
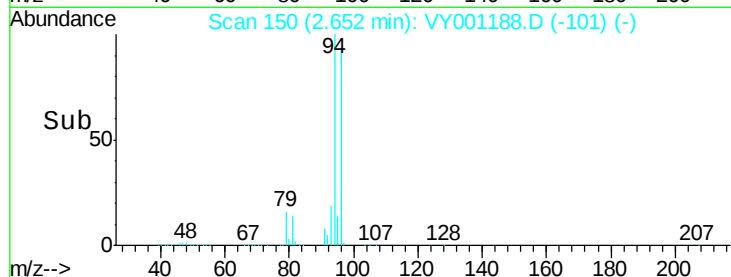
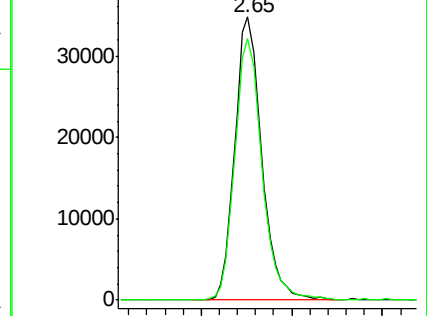
apatel

1/14/2020 12:48:08 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 59.261 ug/l

RT: 2.80 min Scan# 174

Delta R.T. -0.00 min

Lab File: VY001188.D

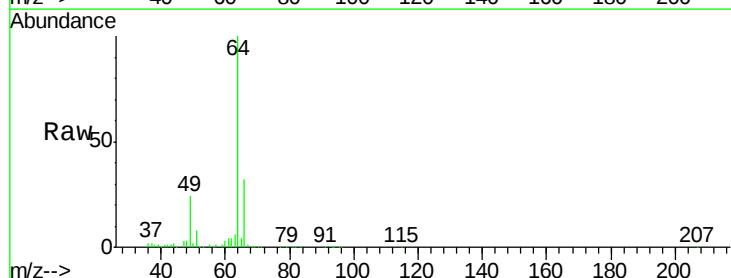
Acq: 13 Jan 2020 18:21

Tgt Ion: 64 Resp: 68827

Ion Ratio Lower Upper

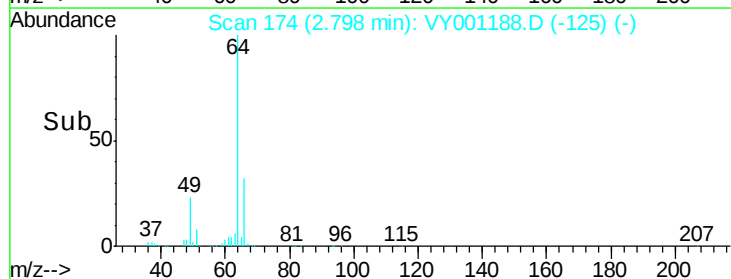
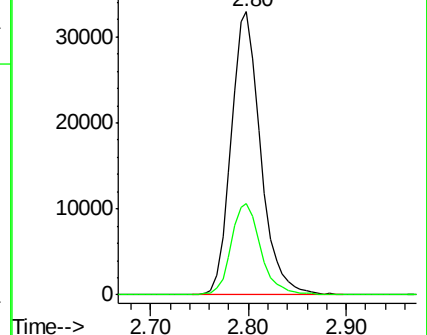
64 100

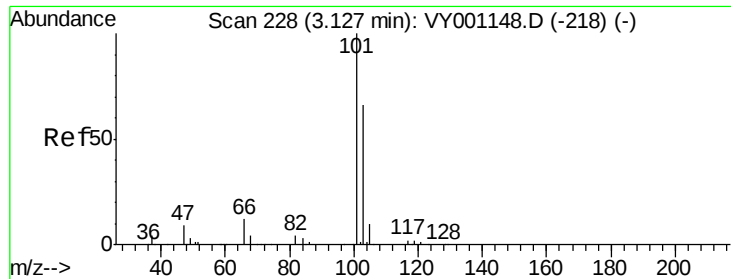
66 32.4 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

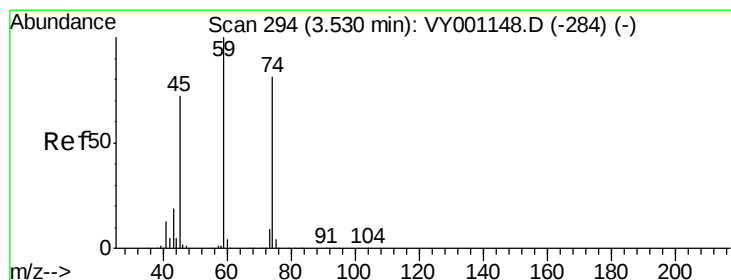
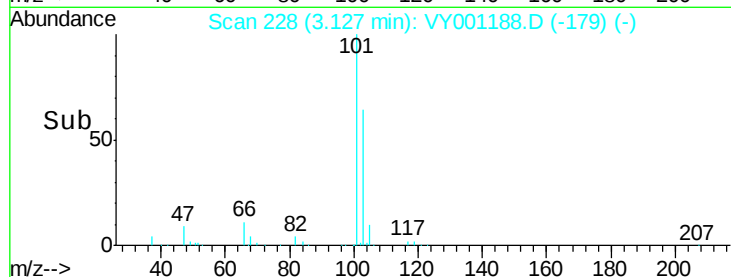
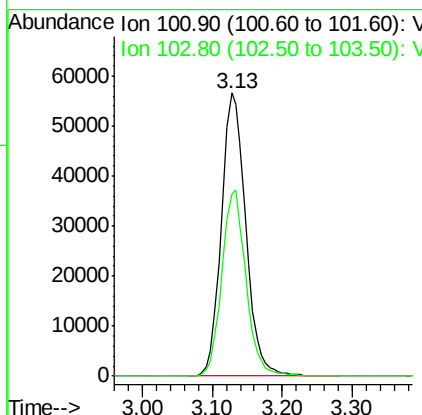
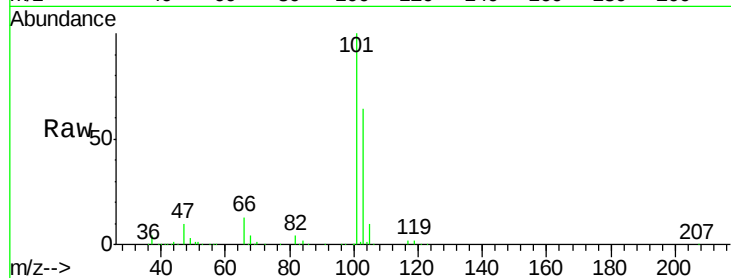
Trichlorofluoromethane
Concen: 49.148 ug/l
RT: 3.13 min Scan# 228
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.6	79.0

Manual Integrations
APPROVED

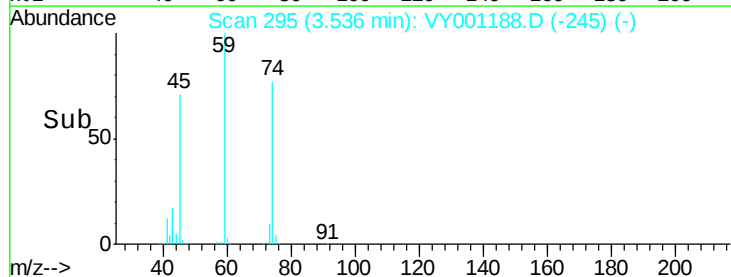
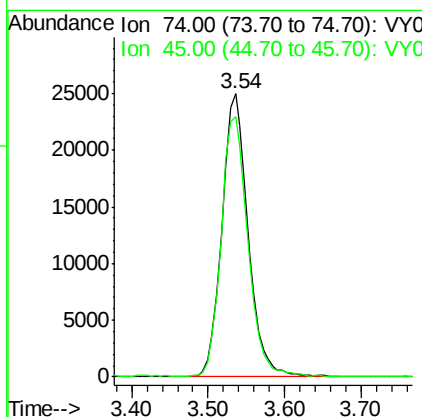
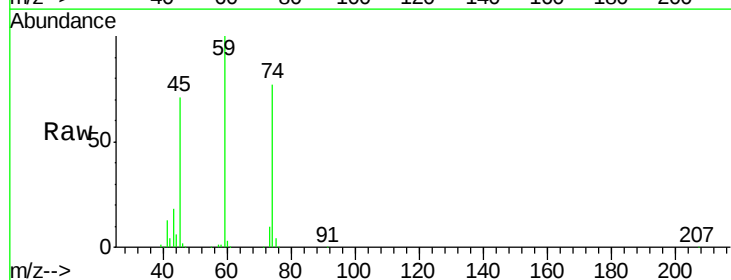
apatel
1/14/2020 12:48:08 PM

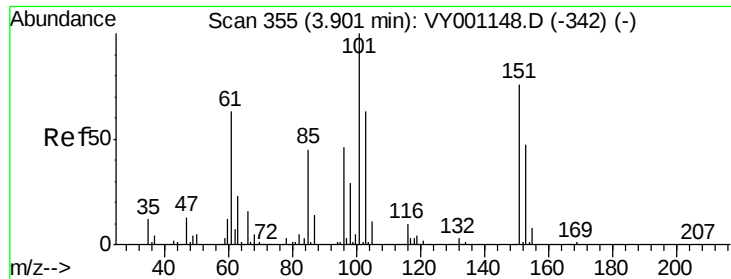


#8

Diethyl Ether
Concen: 54.435 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	45.5	136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.545 ug/l

RT: 3.91 min Scan# 356

Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

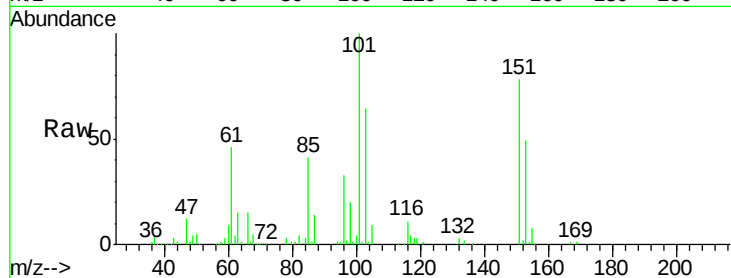
ClientSampleId :

VSTDCCC050EC

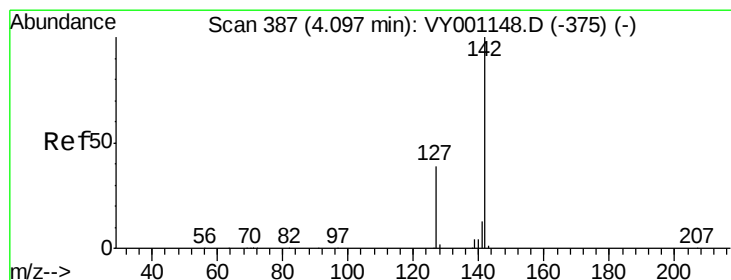
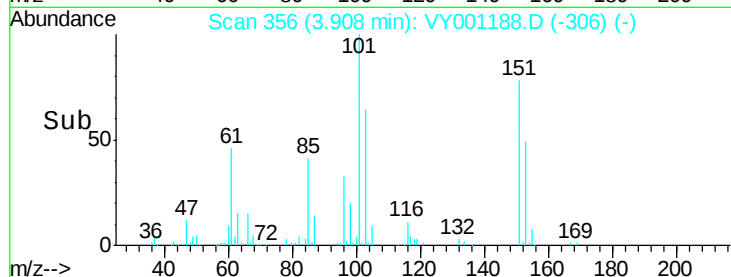
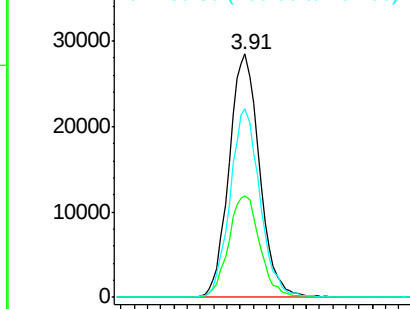
Tot Ion:	101	Resp:	91042
Ion Ratio	Lower	Upper	
101	100		
85	42.7	35.2	52.8
151	76.0	61.4	92.2

Manual Integrations
APPROVED

apatel
1/14/2020 12:48:08 PM



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VY0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 50.069 ug/l

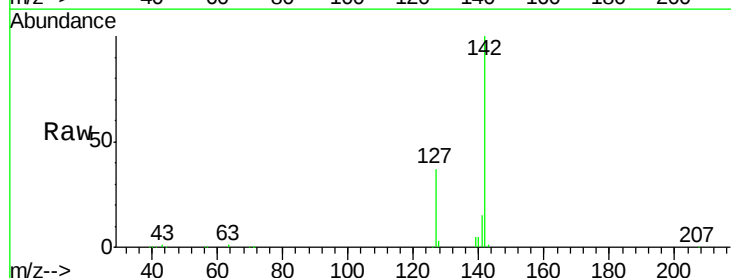
RT: 4.10 min Scan# 387

Delta R.T. -0.00 min

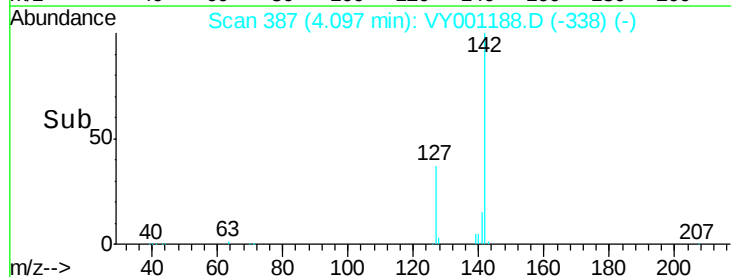
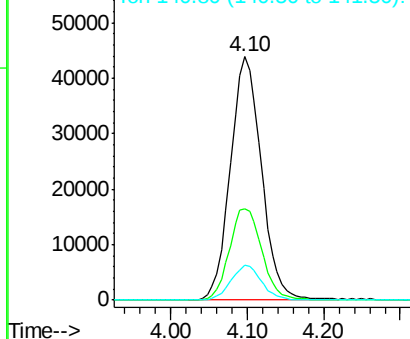
Lab File: VY001188.D

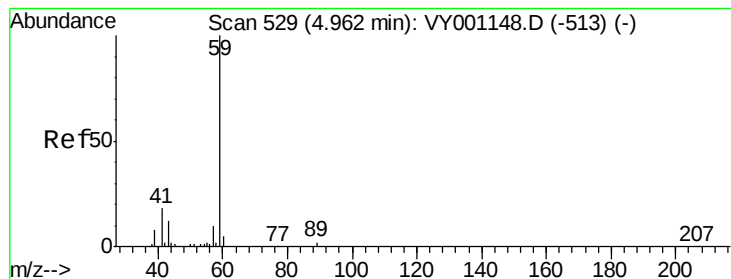
Acq: 13 Jan 2020 18:21

Tgt Ion:	142	Resp:	123441
Ion Ratio	Lower	Upper	
142	100		
127	39.4	30.8	46.2
141	14.3	11.0	16.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

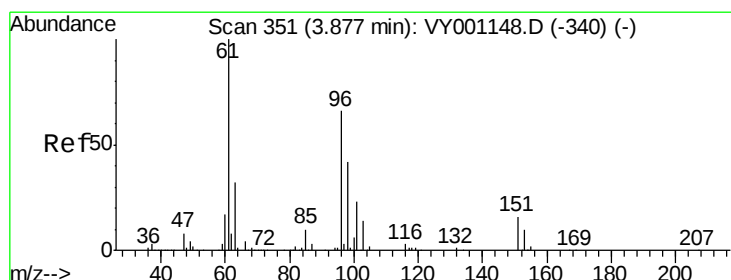
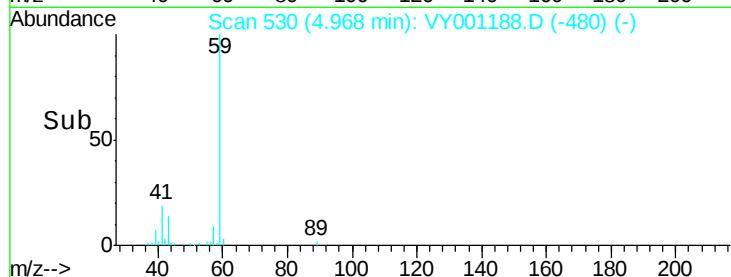
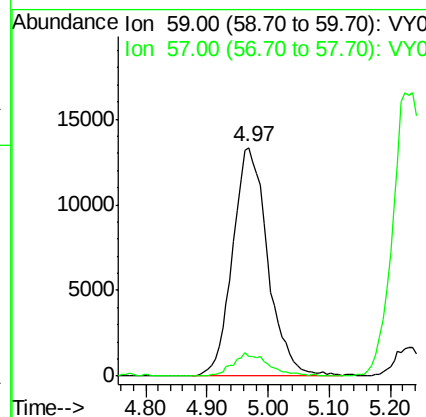
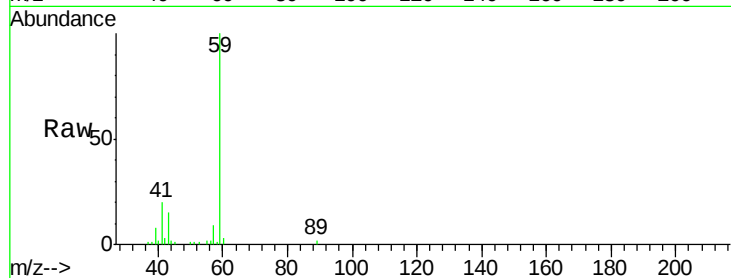
Tert butyl alcohol
Concen: 276.276 ug/l
RT: 4.97 min Scan# 530
Delta R.T. 0.01 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	7.8	11.8

Manual Integrations
APPROVED

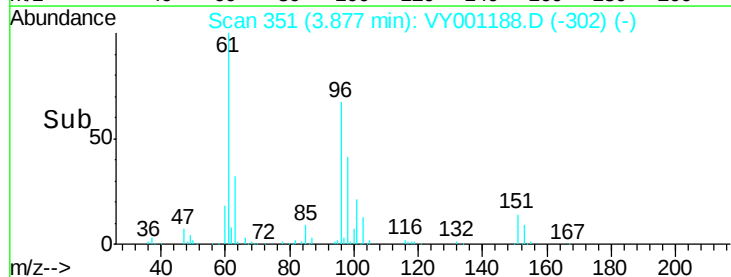
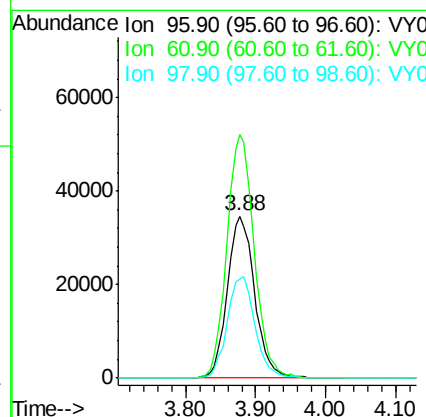
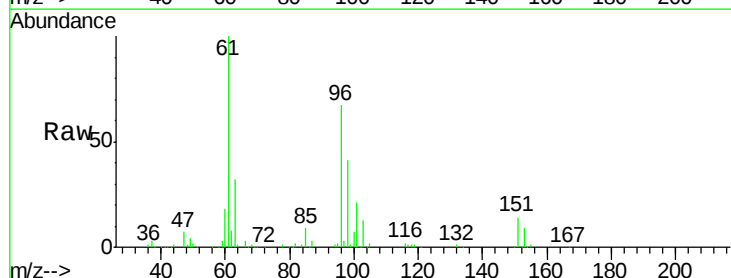
apatel
1/14/2020 12:48:08 PM

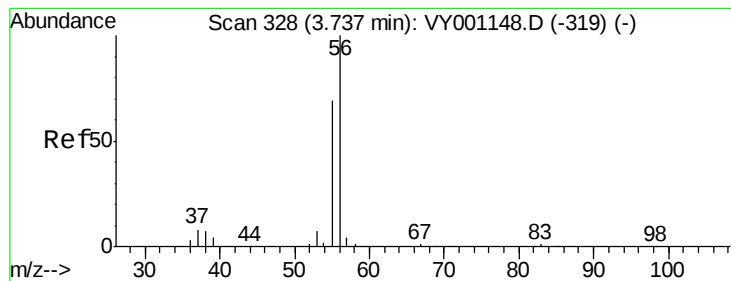


#12

1,1-Dichloroethene
Concen: 51.025 ug/l
RT: 3.88 min Scan# 351
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.0	122.1	183.1
98	61.0	51.0	76.6





#13

Acrolein

Concen: 266.678 ug/l

RT: 3.74 min Scan# 328

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 45988

Ion Ratio Lower Upper

56 100

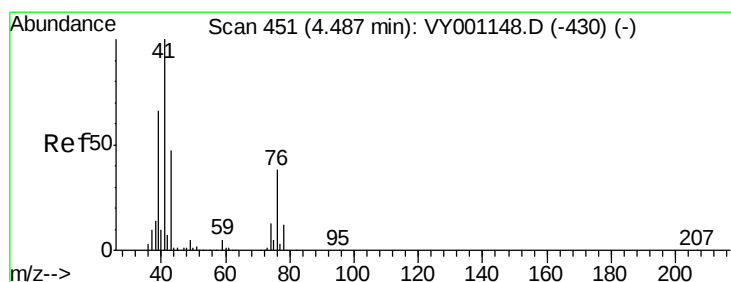
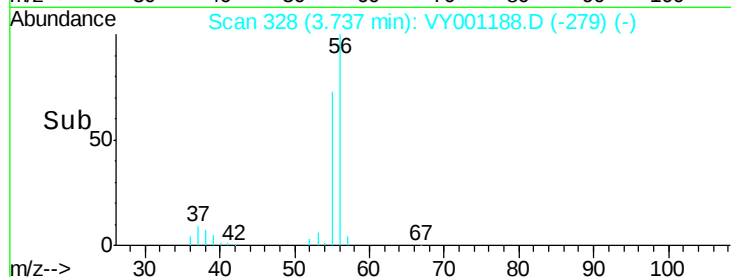
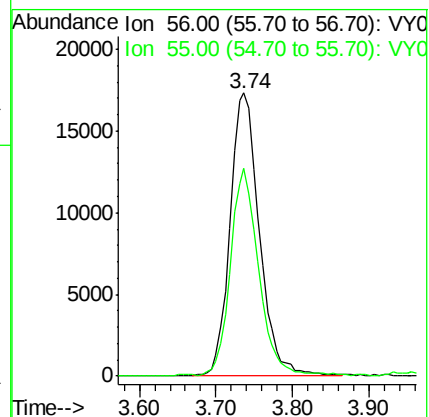
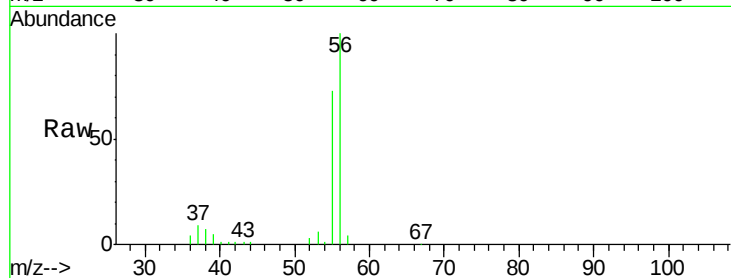
55 70.8 56.7 85.1

Manual Integrations

APPROVED

apatel

1/14/2020 12:48:08 PM



#14

Allyl chloride

Concen: 52.114 ug/l

RT: 4.49 min Scan# 451

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

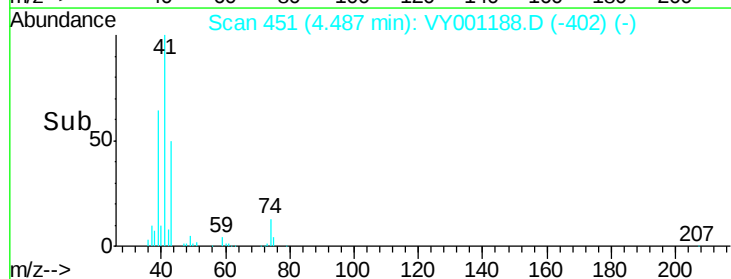
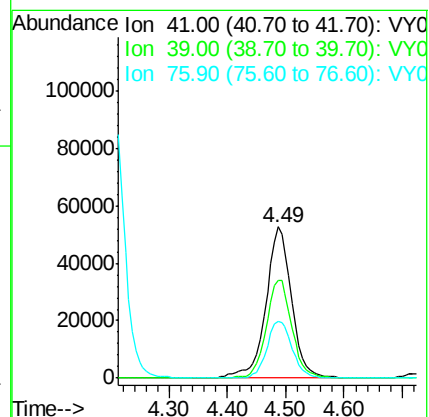
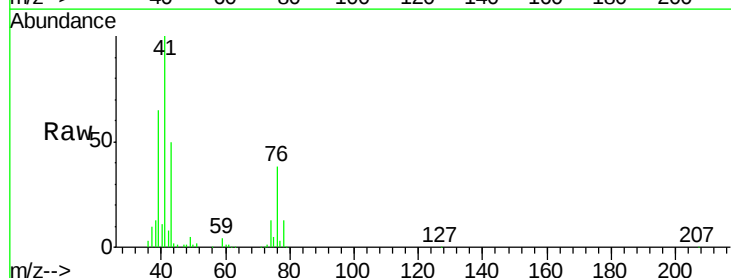
Tgt Ion: 41 Resp: 162083

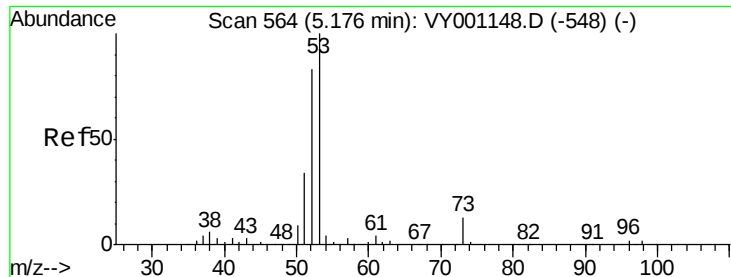
Ion Ratio Lower Upper

41 100

39 64.8 52.6 78.8

76 37.0 30.2 45.2





#15

Acrylonitrile

Concen: 283.169 ug/l

RT: 5.18 min Scan# 564

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

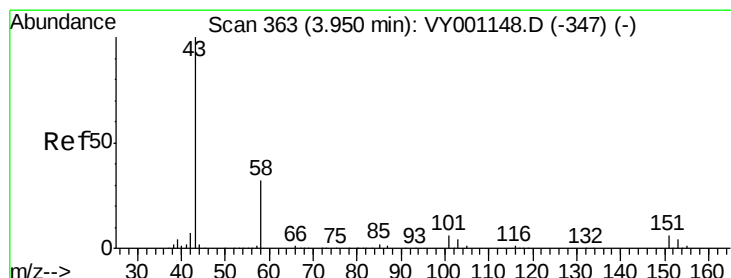
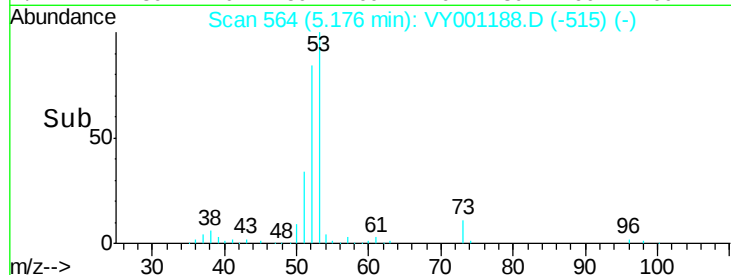
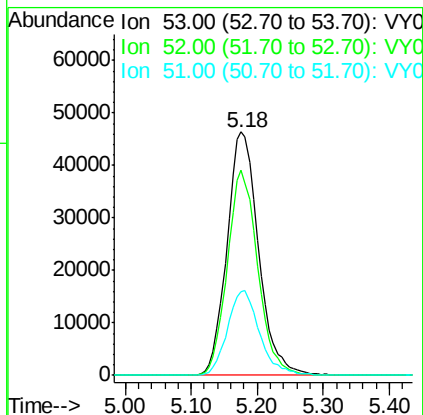
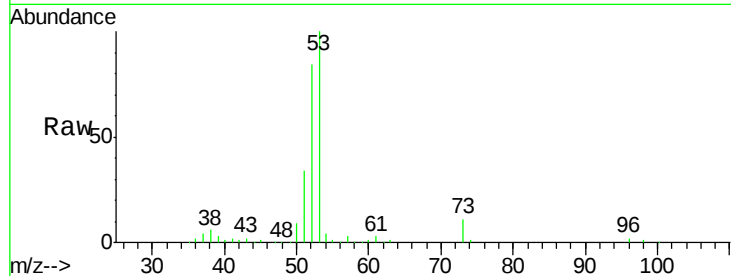
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	153987
Ion Ratio	Lower	Upper	
53	100		
52	81.0	65.7	98.5
51	35.4	28.7	43.1

Manual Integrations
APPROVED

apatel
1/14/2020 12:48:08 PM



#16

Acetone

Concen: 299.334 ug/l

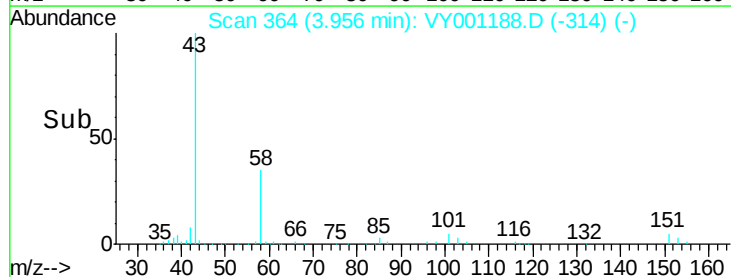
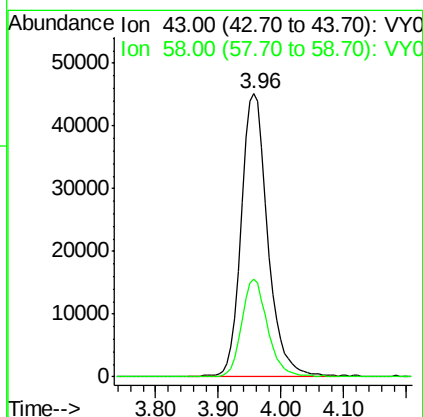
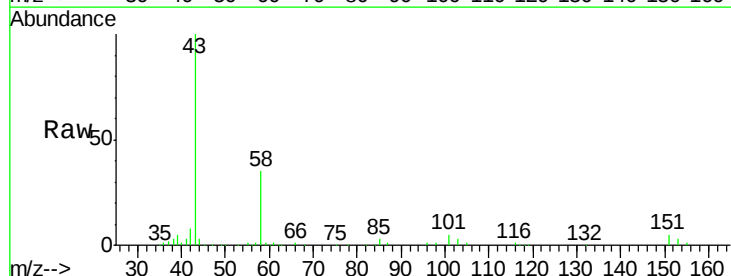
RT: 3.96 min Scan# 364

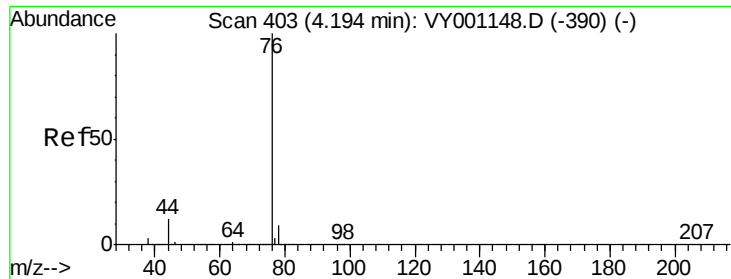
Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Tgt Ion:	43	Resp:	132353
Ion Ratio	Lower	Upper	
43	100		
58	34.7	25.8	38.6





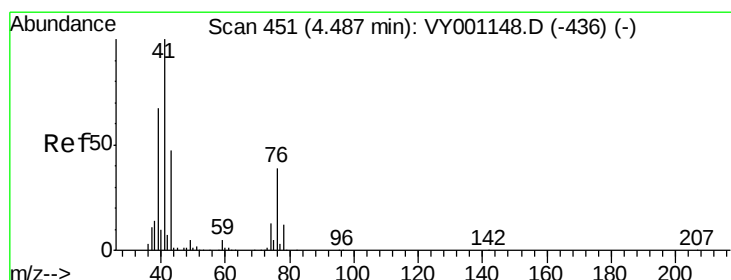
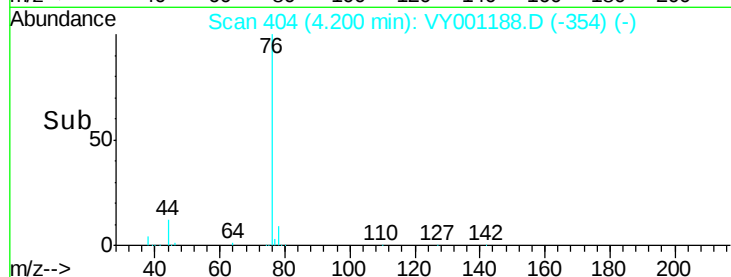
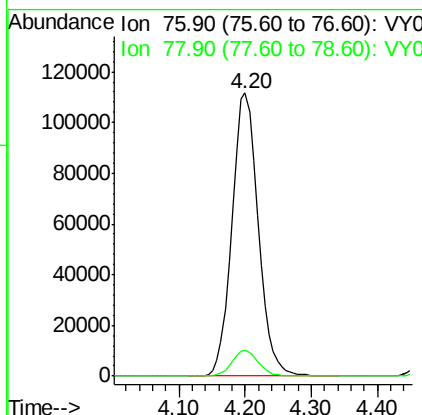
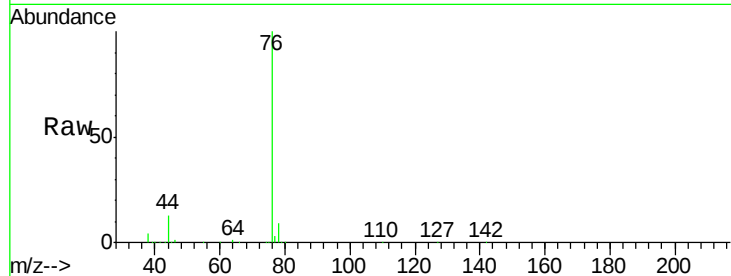
#17
Carbon Disulfide
Concen: 51.520 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

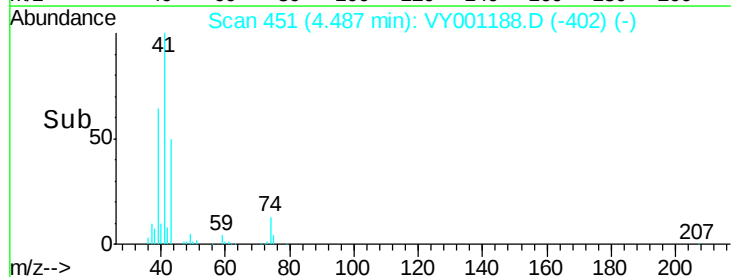
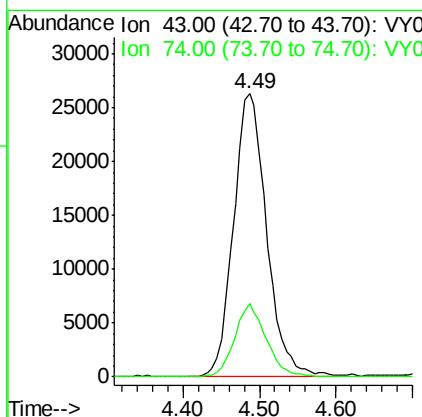
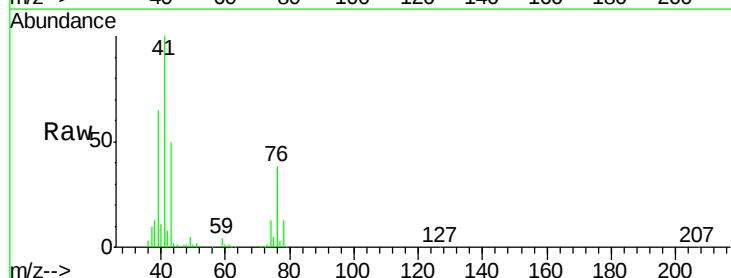
Manual Integrations
APPROVED

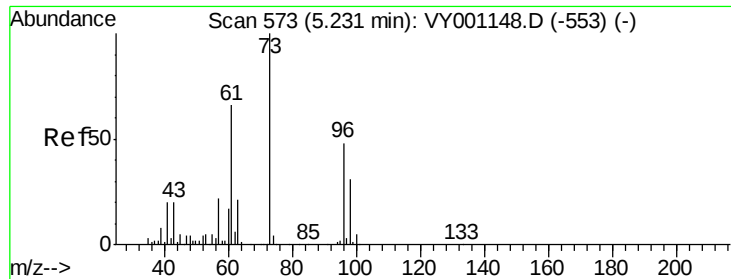
apatel
1/14/2020 12:48:08 PM



#18
Methyl Acetate
Concen: 53.406 ug/l
RT: 4.49 min Scan# 451
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	20.2	30.2





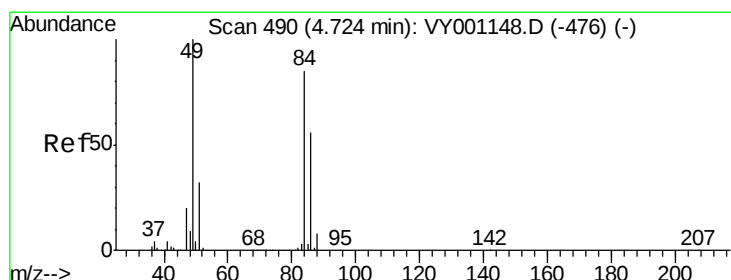
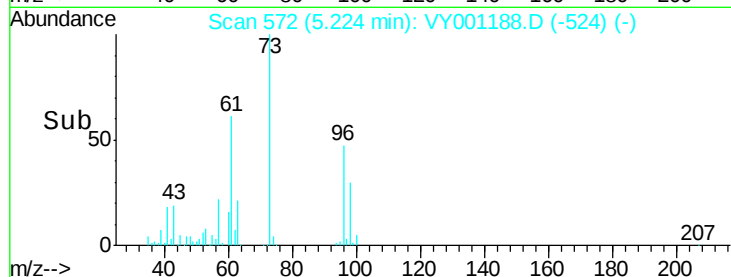
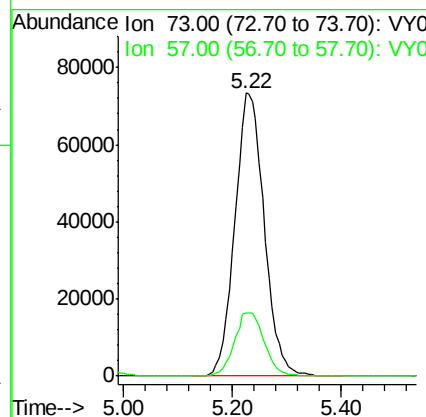
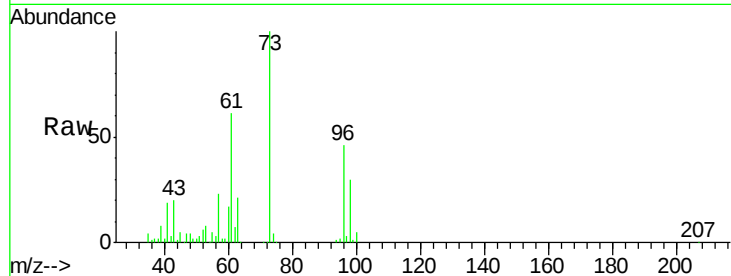
#19
Methyl tert-butyl Ether
Concen: 54.126 ug/l
RT: 5.22 min Scan# 572
Delta R.T. -0.01 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 275900
Ion Ratio Lower Upper
73 100
57 22.5 17.8 26.6

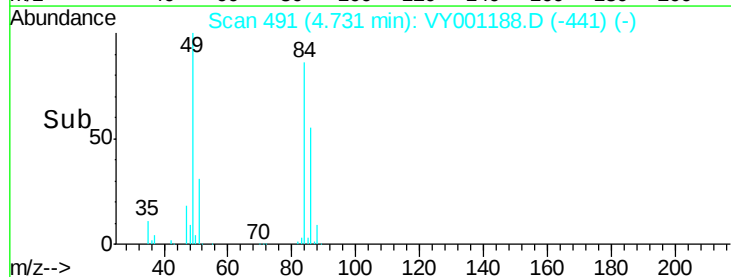
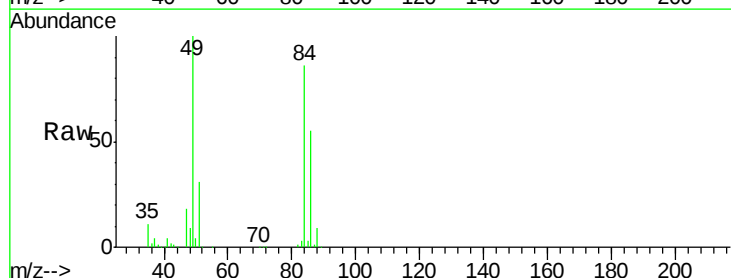
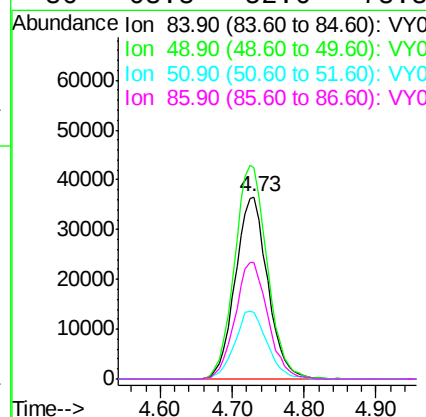
Manual Integrations
APPROVED

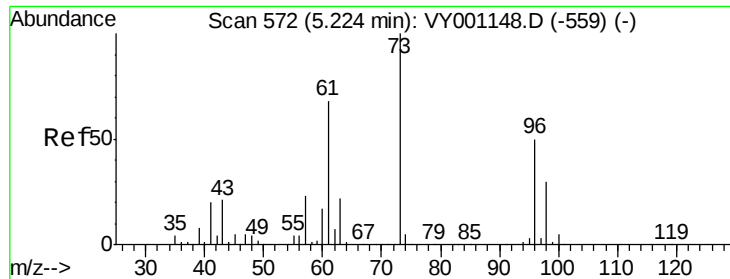
apatel
1/14/2020 12:48:08 PM



#20
Methylene Chloride
Concen: 56.172 ug/l
RT: 4.73 min Scan# 491
Delta R.T. 0.01 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion: 84 Resp: 114340
Ion Ratio Lower Upper
84 100
49 116.2 93.8 140.6
51 36.4 29.9 44.9
86 63.8 52.6 78.8





#21

trans-1,2-Dichloroethene

Concen: 52.305 ug/l

RT: 5.23 min Scan# 573

Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

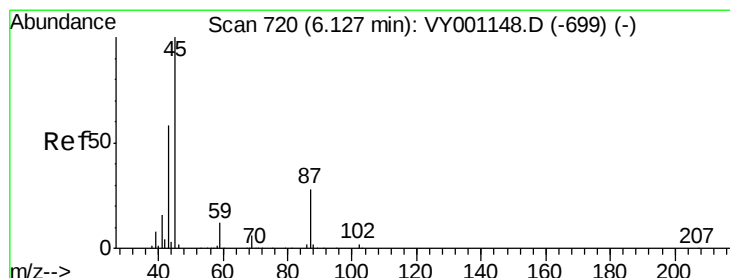
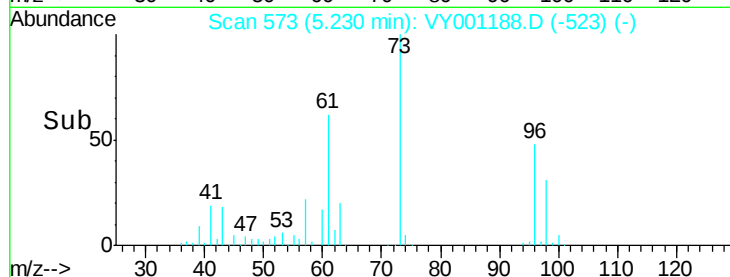
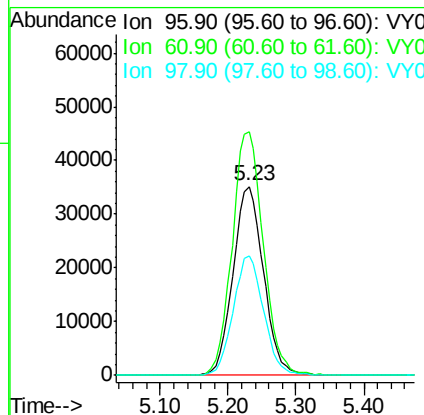
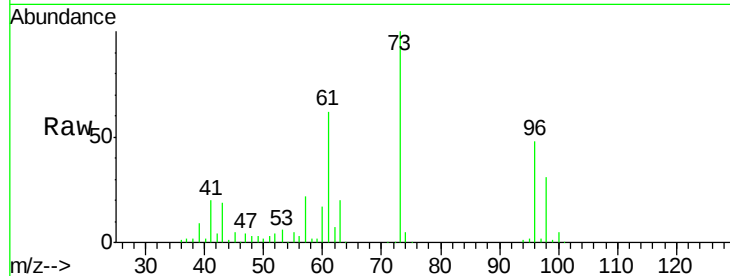
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	109293
Ion	Ratio	Lower	Upper
96	100		
61	129.1	107.6	161.4
98	63.5	47.6	71.4

Manual Integrations
APPROVED

apatel
1/14/2020 12:48:08 PM



#22

Diisopropyl ether

Concen: 54.033 ug/l

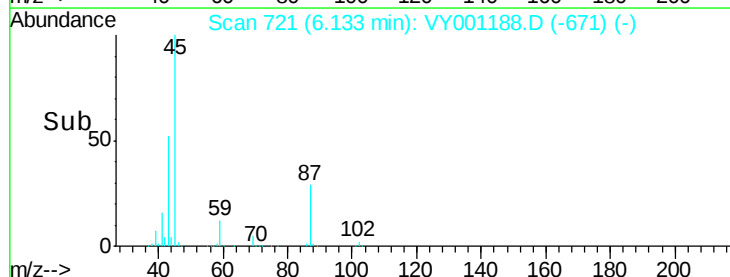
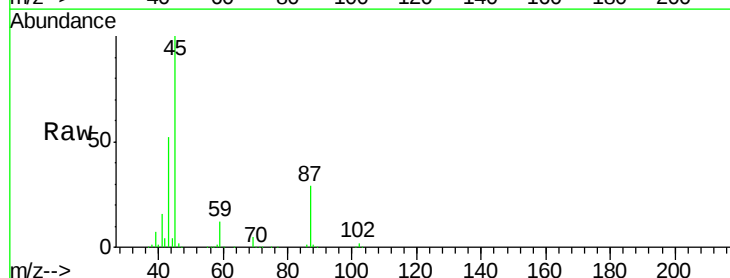
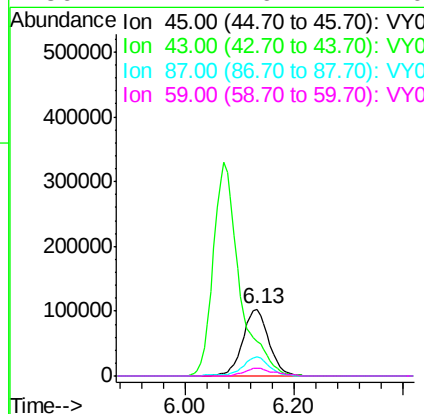
RT: 6.13 min Scan# 721

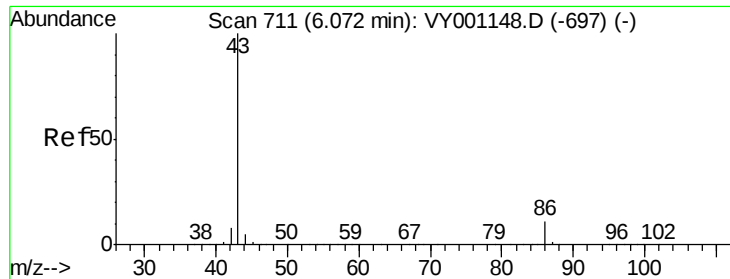
Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Tgt Ion:	45	Resp:	343243
Ion	Ratio	Lower	Upper
45	100		
43	51.5	46.5	69.7
87	28.7	22.5	33.7
59	12.4	9.4	14.0





#23

Vinyl Acetate

Concen: 271.783 ug/l

RT: 6.07 min Scan# 711

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1104168

Ion Ratio Lower Upper

43 100

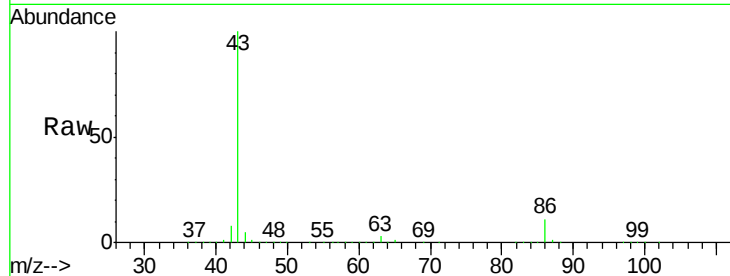
86 11.1 9.0 13.4

Manual Integrations

APPROVED

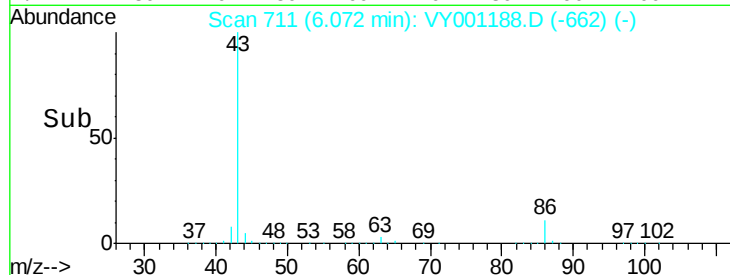
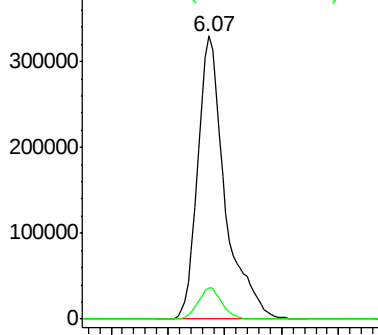
apatel

1/14/2020 12:48:08 PM

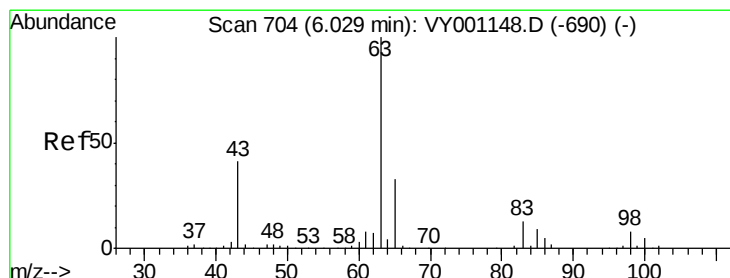


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



Time-->



#24

1,1-Dichloroethane

Concen: 52.609 ug/l

RT: 6.03 min Scan# 704

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

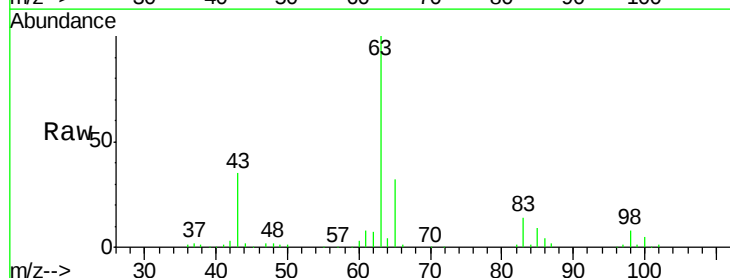
Tgt Ion: 63 Resp: 182959

Ion Ratio Lower Upper

63 100

98 8.2 3.9 11.7

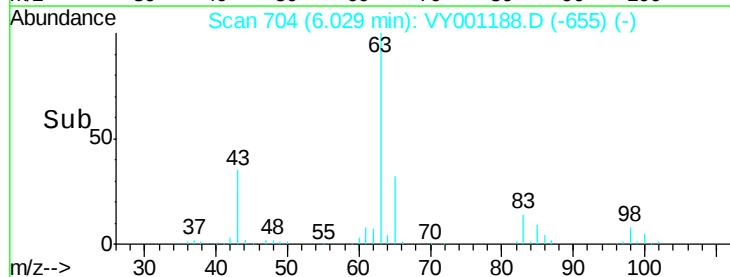
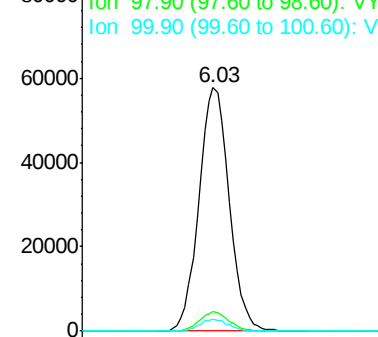
100 4.8 2.4 7.2



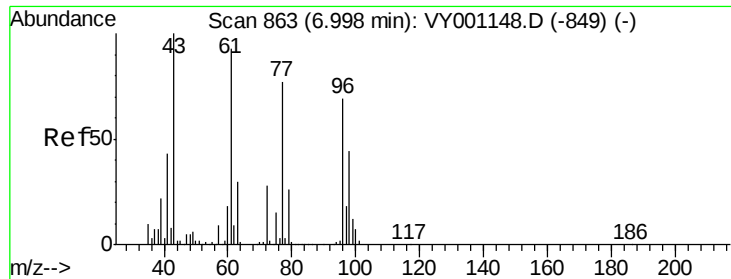
Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0



Time-->



#25

2-Butanone

Concen: 299.593 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 206166

Ion Ratio Lower Upper

43 100

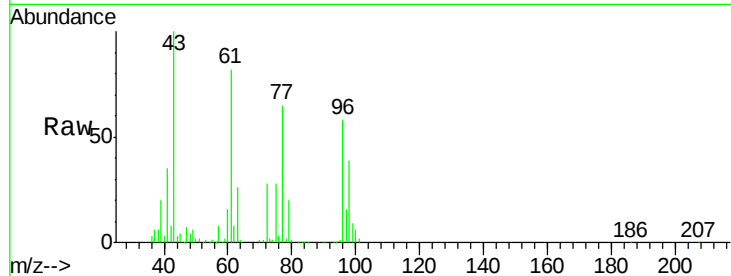
72 28.1 22.2 33.2

Manual Integrations

APPROVED

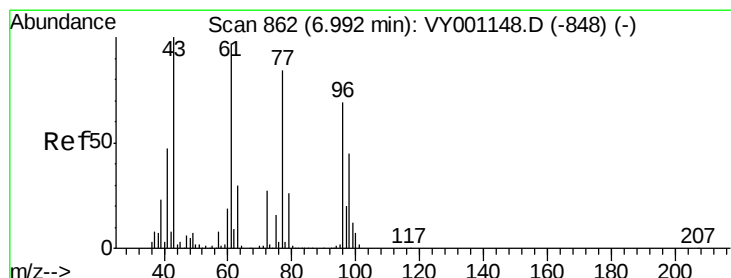
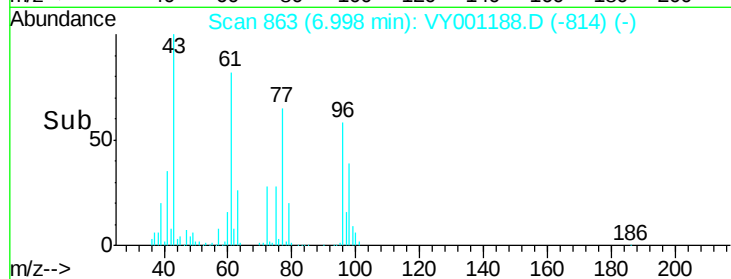
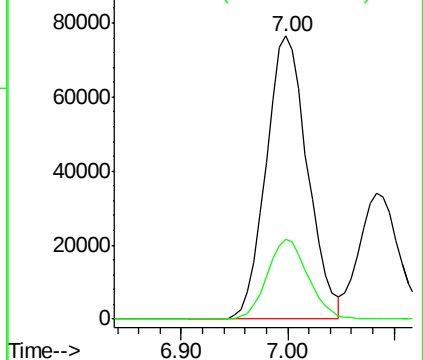
apatel

1/14/2020 12:48:08 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: 47.913 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.00 min

Lab File: VY001188.D

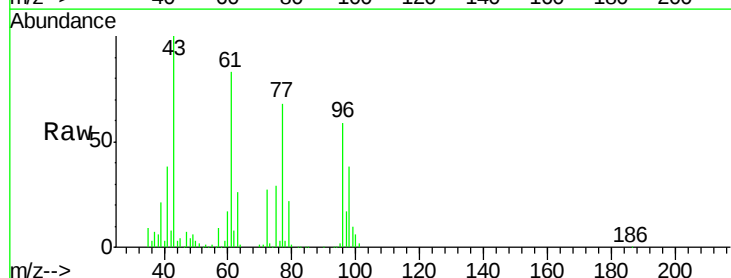
Acq: 13 Jan 2020 18:21

Tgt Ion: 77 Resp: 153228

Ion Ratio Lower Upper

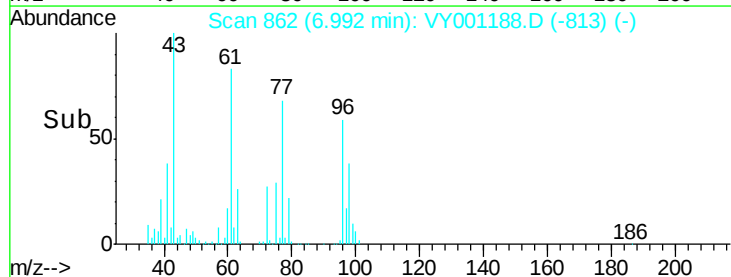
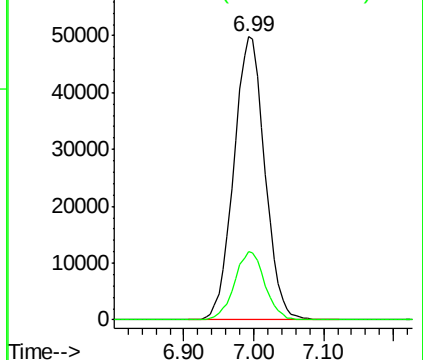
77 100

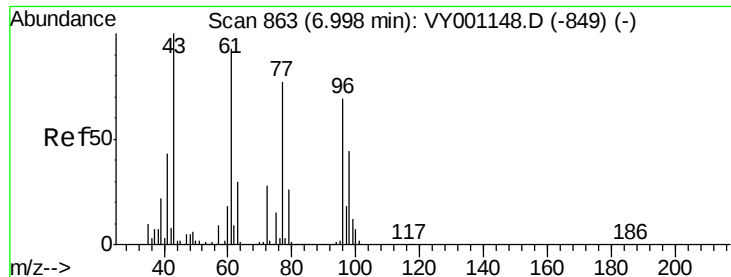
97 23.6 11.9 35.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0





#27

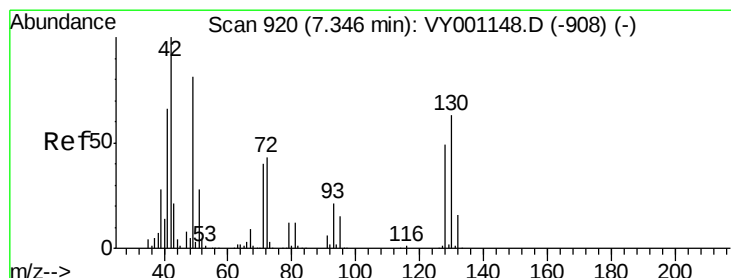
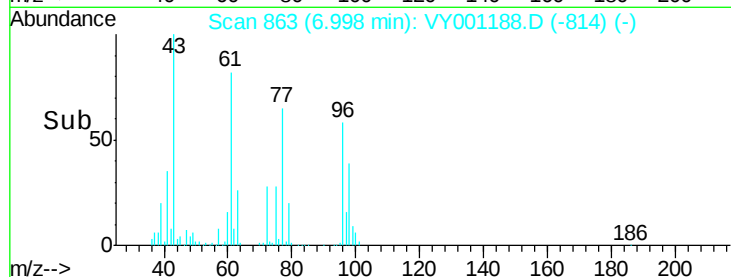
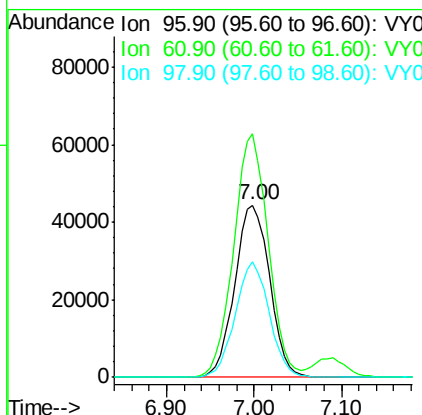
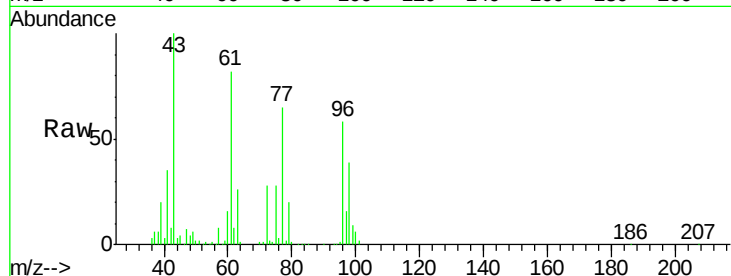
cis-1,2-Dichloroethene
Concen: 54.010 ug/l
RT: 7.00 min Scan# 863
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	139.2	0.0	284.0
98	65.2	0.0	130.2

Manual Integrations
APPROVED

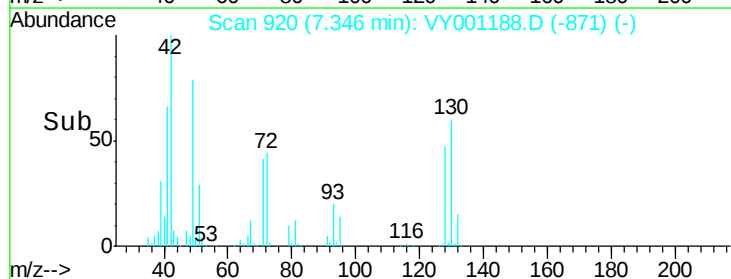
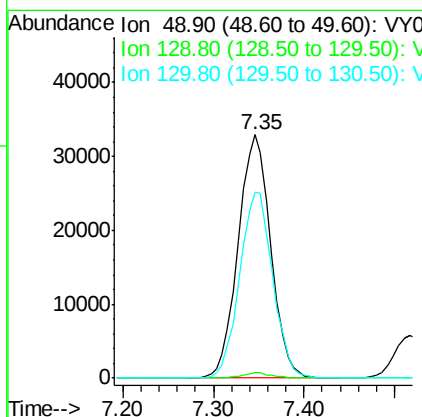
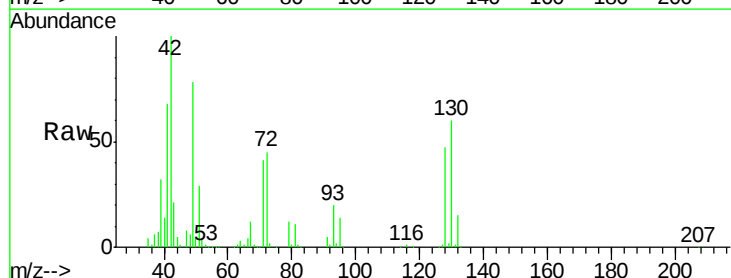
apatel
1/14/2020 12:48:08 PM

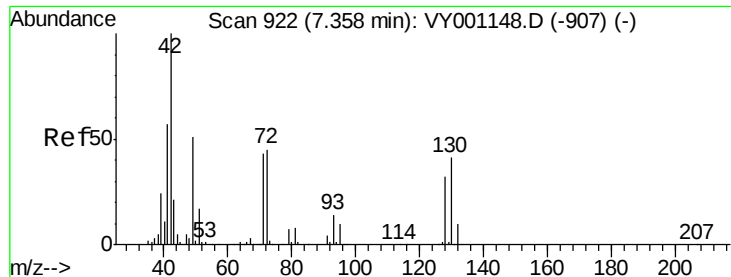


#28

Bromochloromethane
Concen: 57.322 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.4
130	77.5	61.2	91.8





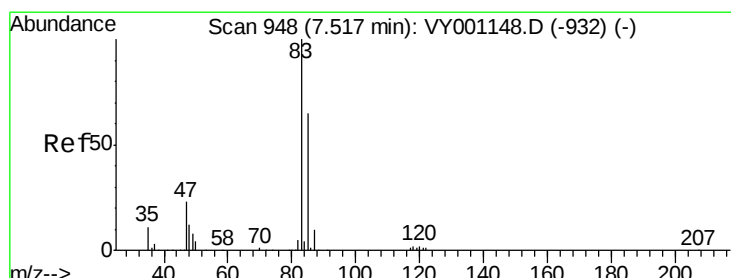
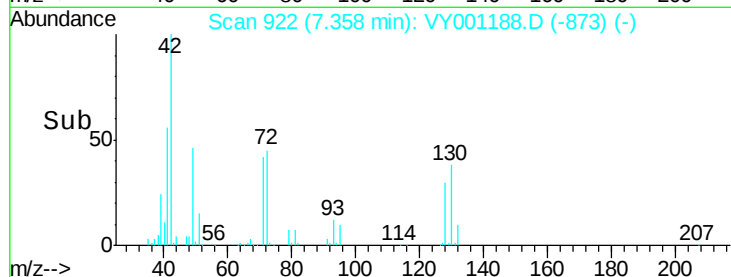
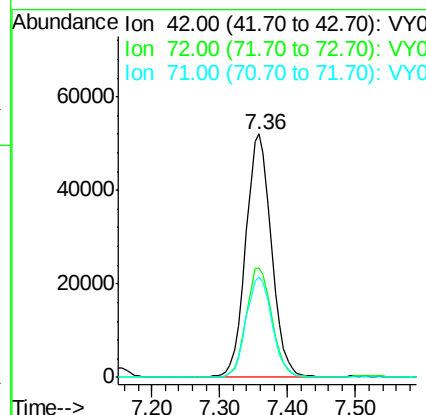
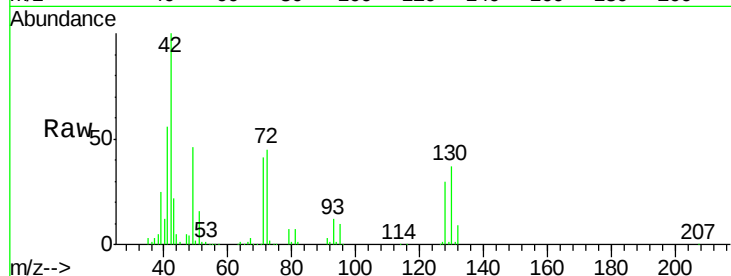
#29
Tetrahydrofuran
Concen: 290.521 ug/l
RT: 7.36 min Scan# 922
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	36.9	55.3
71	41.6	34.0	51.0

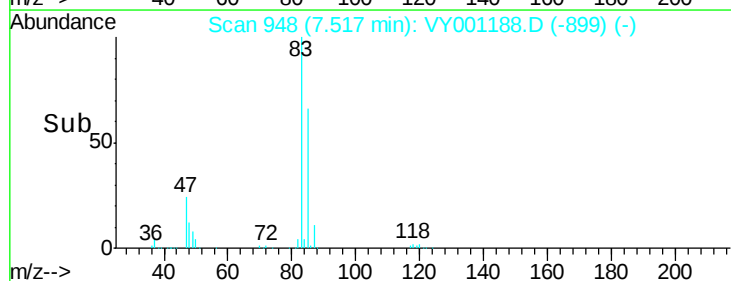
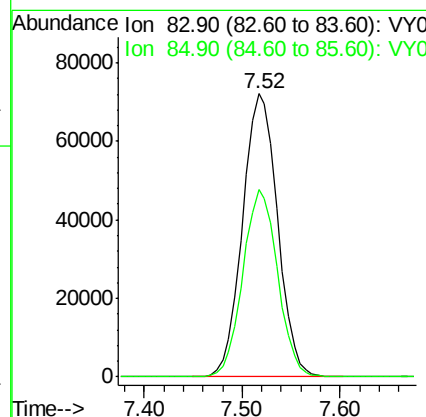
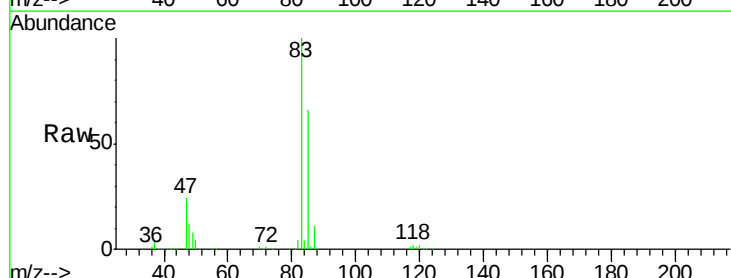
Manual Integrations
APPROVED

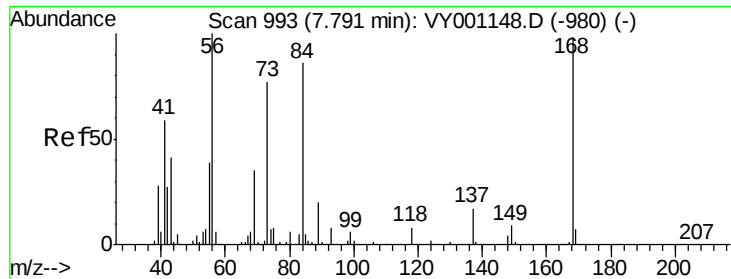
apatel
1/14/2020 12:48:08 PM



#30
Chloroform
Concen: 52.469 ug/l
RT: 7.52 min Scan# 948
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.9	77.9





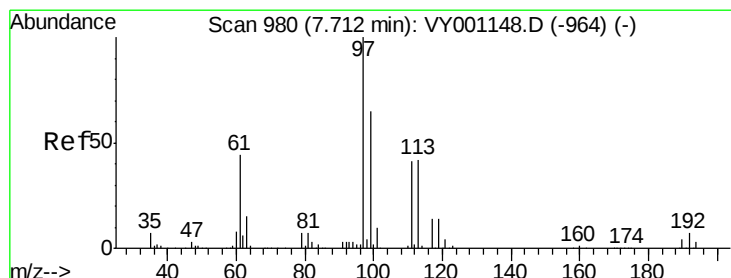
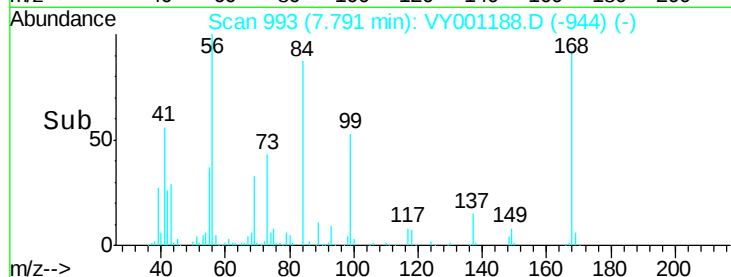
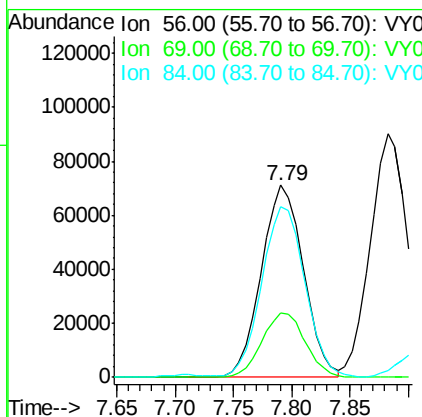
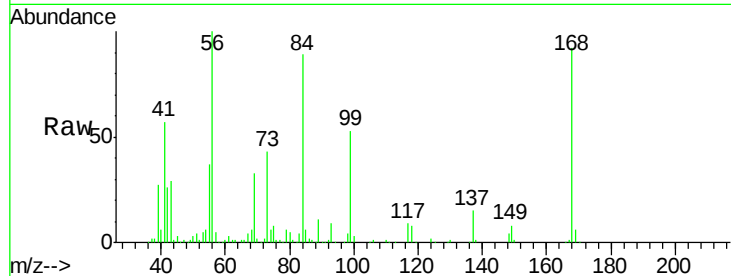
#31
Cyclohexane
Concen: 48.563 ug/l
RT: 7.79 min Scan# 993
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	27.8	41.8
84	87.3	68.9	103.3

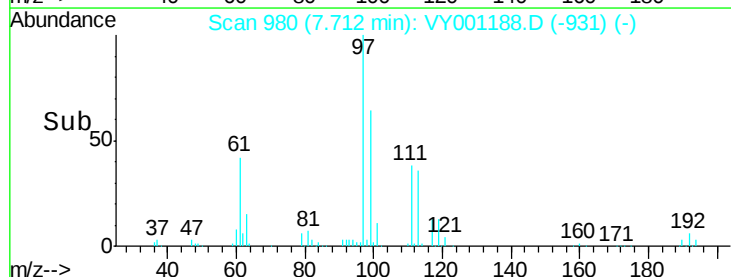
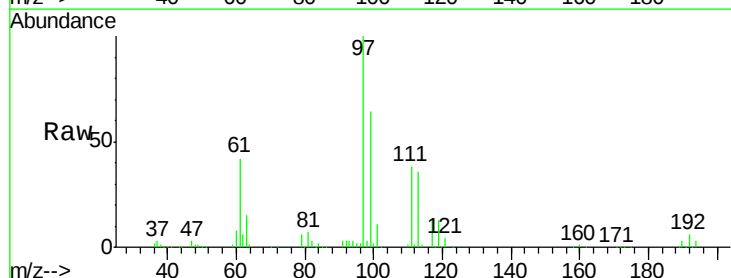
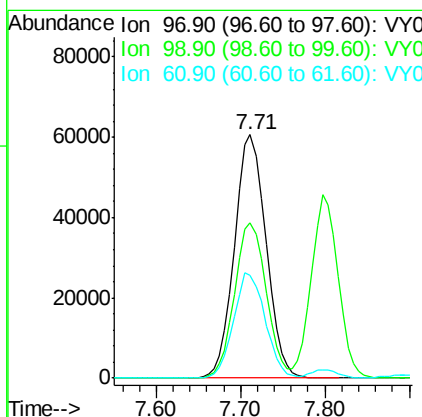
Manual Integrations
APPROVED

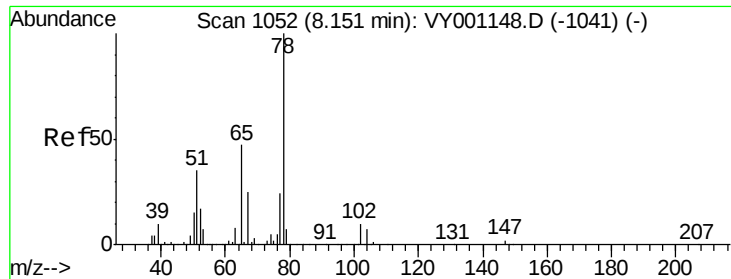
apatel
1/14/2020 12:48:08 PM



#32
1,1,1-Trichloroethane
Concen: 50.765 ug/l
RT: 7.71 min Scan# 980
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.3	76.9
61	43.4	34.6	52.0





#33

1,2-Dichloroethane-d4

Concen: 54.257 ug/l

RT: 8.15 min Scan# 1052

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 103298

Ion Ratio Lower Upper

65 100

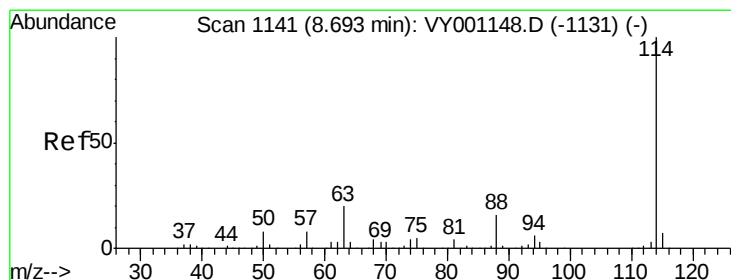
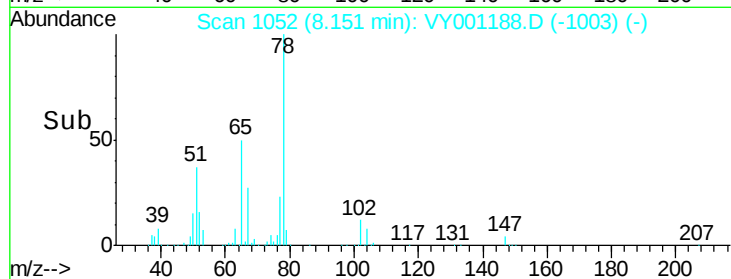
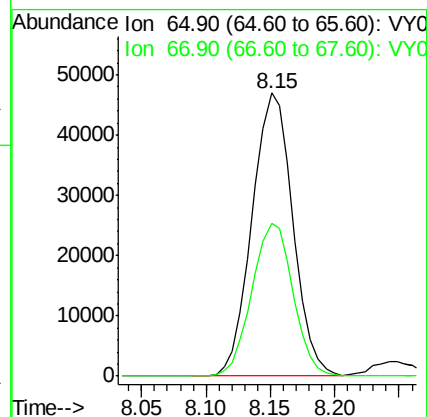
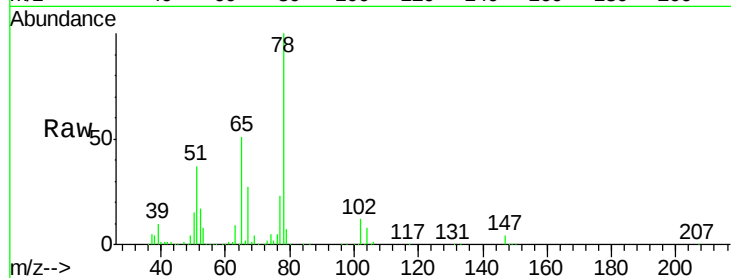
67 54.3 0.0 105.2

Manual Integrations

APPROVED

apatel

1/14/2020 12:48:08 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.70 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

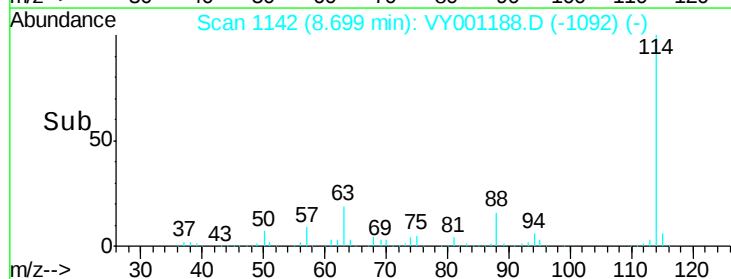
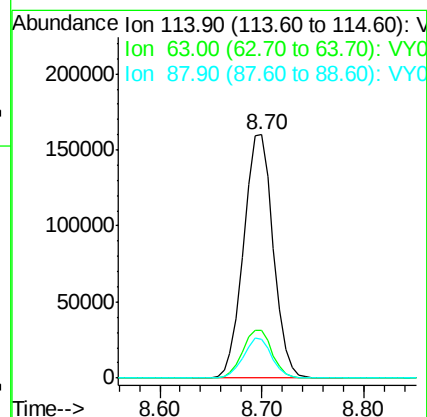
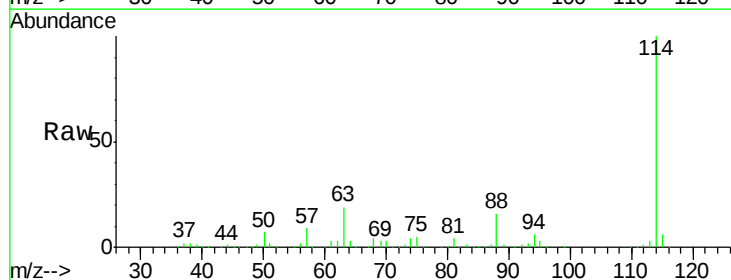
Tgt Ion: 114 Resp: 321568

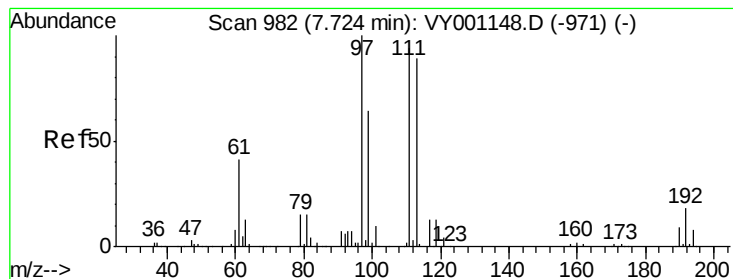
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.8

88 15.8 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.449 ug/l

RT: 7.73 min Scan# 983

Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

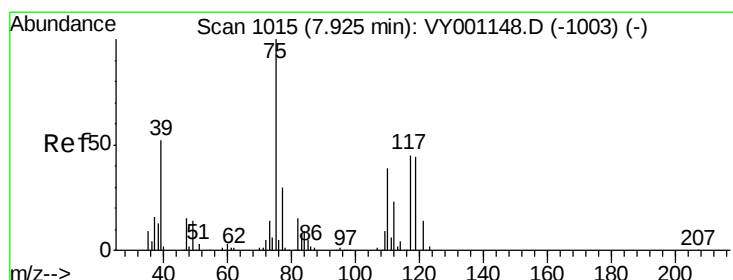
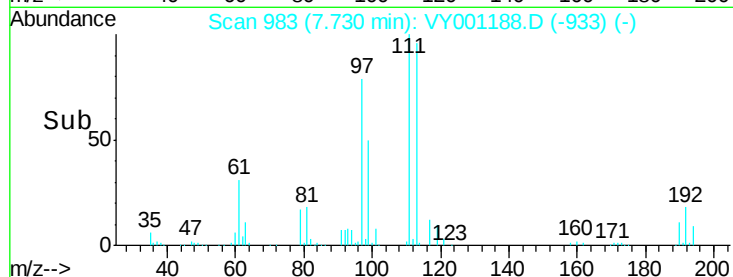
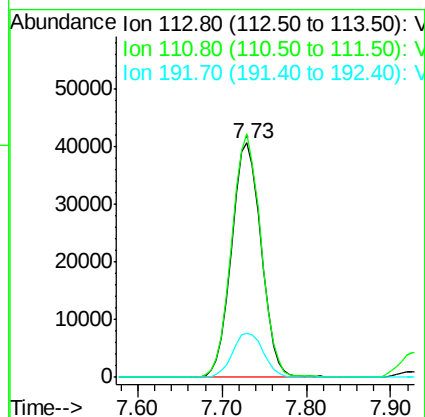
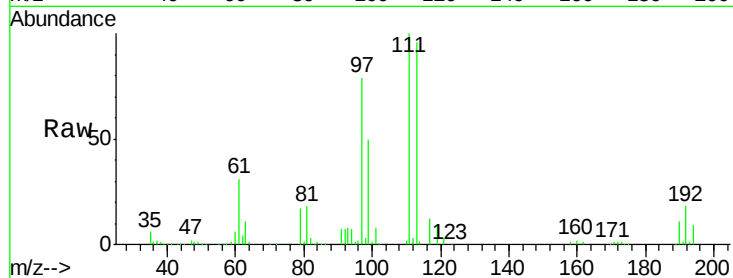
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	96867
Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	19.6	15.4	23.2

Manual Integrations
APPROVED

apatel
1/14/2020 12:48:08 PM



#36

1,1-Dichloropropene

Concen: 49.267 ug/l

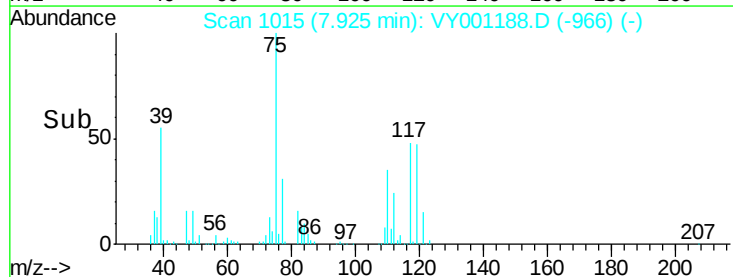
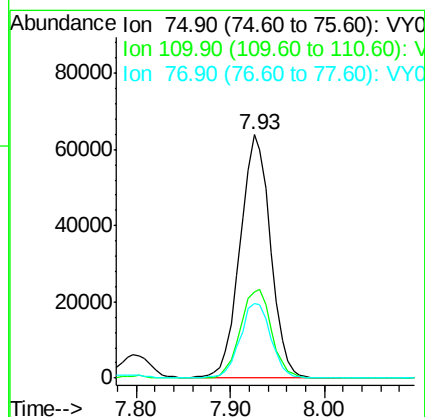
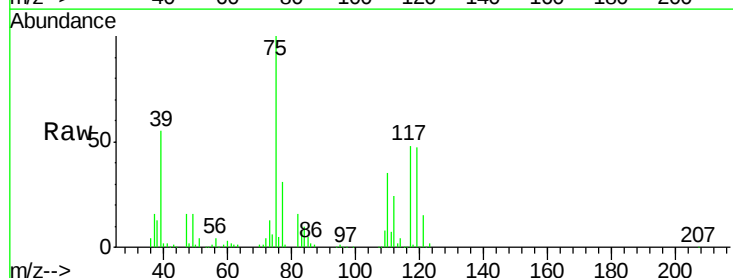
RT: 7.93 min Scan# 1015

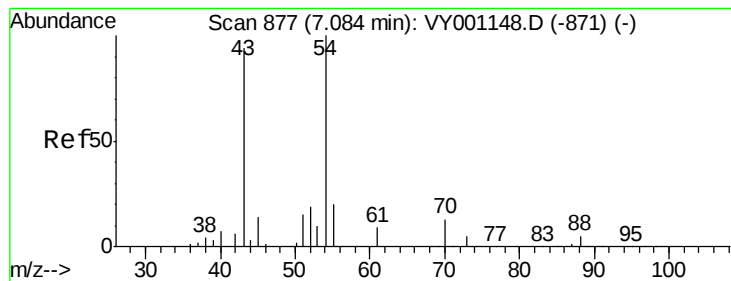
Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Tgt Ion:	75	Resp:	144395
Ion	Ratio	Lower	Upper
75	100		
110	37.1	18.3	54.8
77	31.5	25.1	37.7





#37

Ethyl Acetate

Concen: 53.111 ug/l

RT: 7.08 min Scan# 877

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

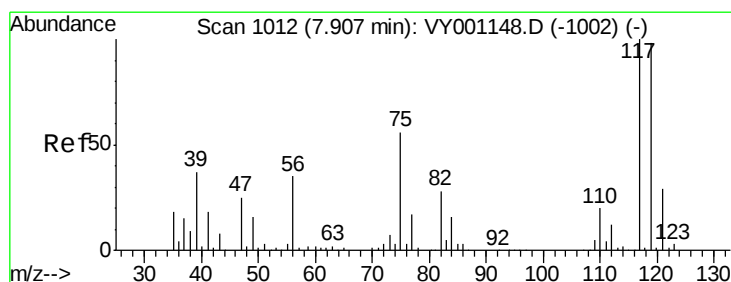
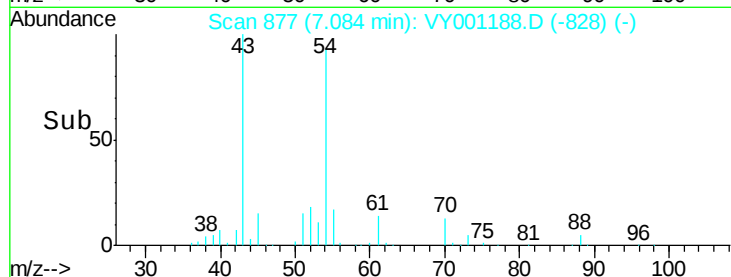
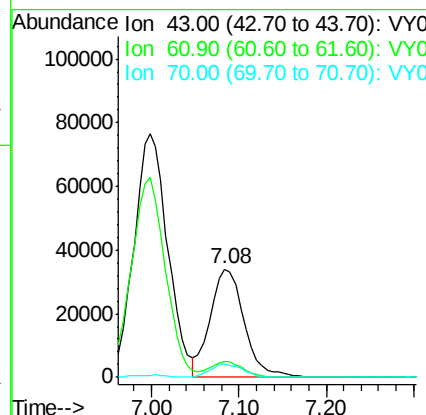
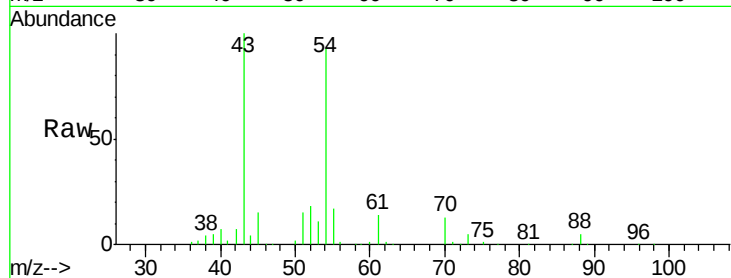
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	91355
Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.1	16.7
70	11.9	9.7	14.5

Manual Integrations
APPROVED

apatel
1/14/2020 12:48:08 PM



#38

Carbon Tetrachloride

Concen: 49.103 ug/l

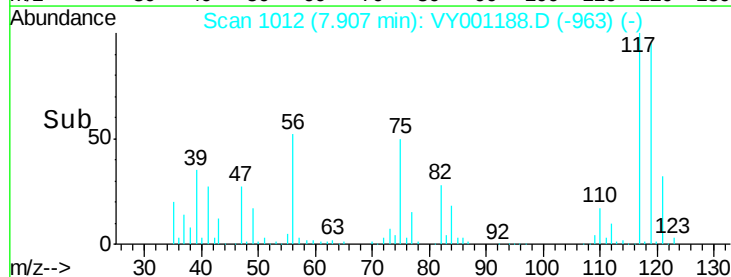
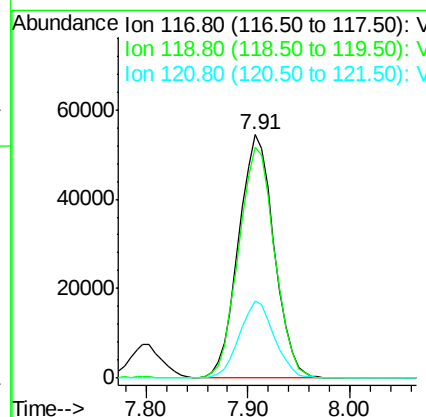
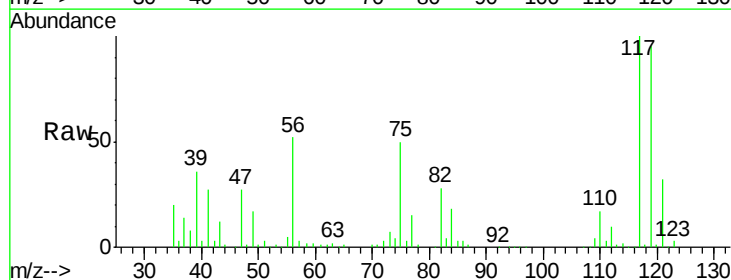
RT: 7.91 min Scan# 1012

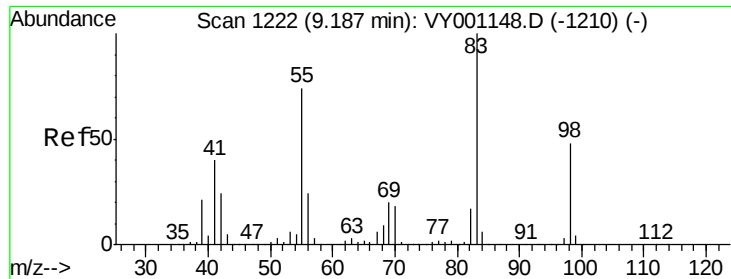
Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Tgt Ion:	117	Resp:	131892
Ion	Ratio	Lower	Upper
117	100		
119	94.9	78.3	117.5
121	31.7	23.5	35.3





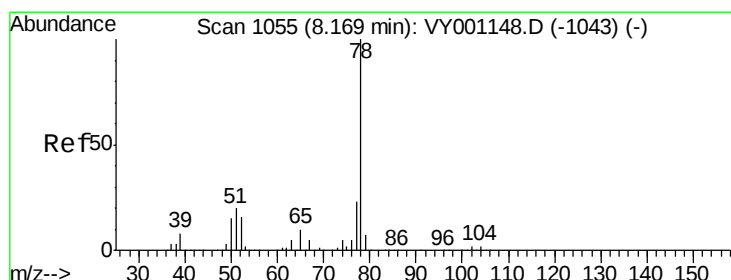
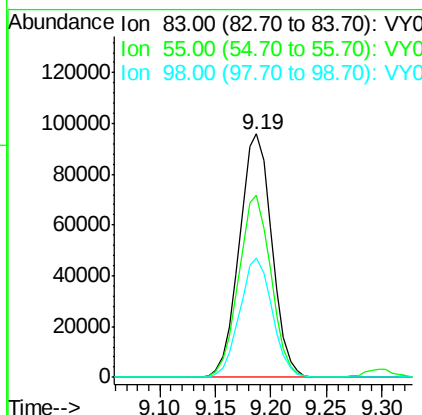
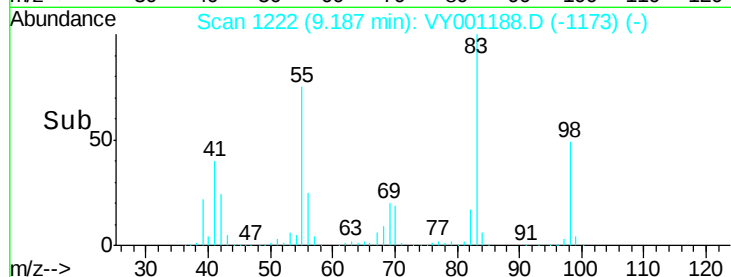
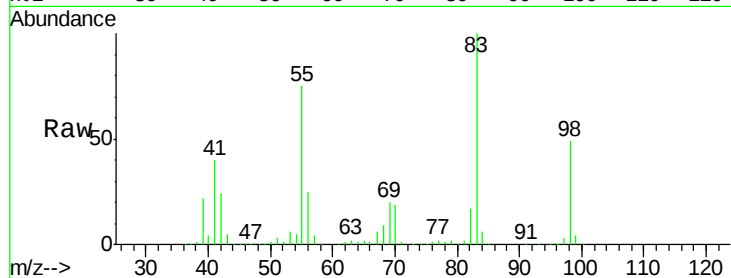
#39
Methvlcvclohexane
Concen: 49.025 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	58.9	88.3
98	49.1	38.4	57.6

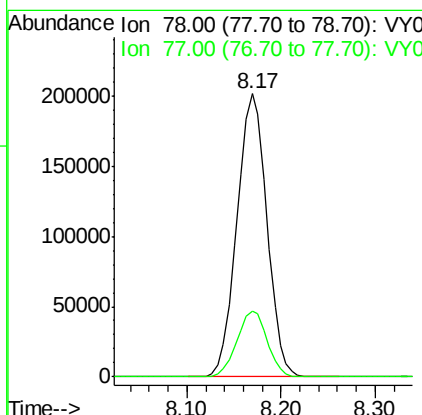
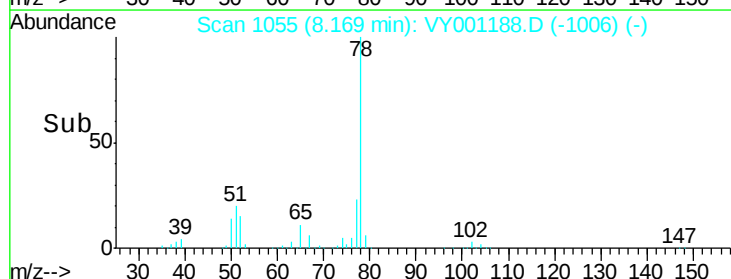
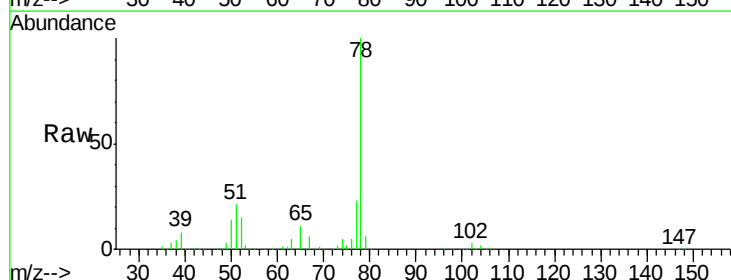
Manual Integrations
APPROVED

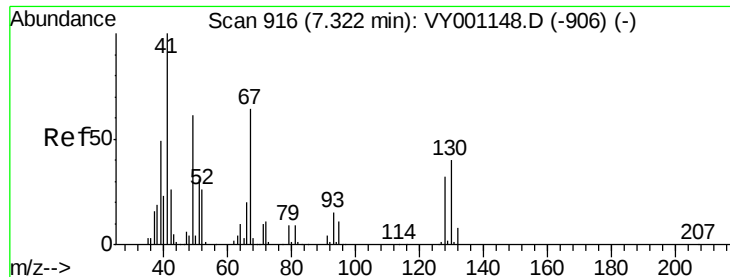
apatel
1/14/2020 12:48:08 PM



#40
Benzene
Concen: 51.965 ug/l
RT: 8.17 min Scan# 1055
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.8	28.2





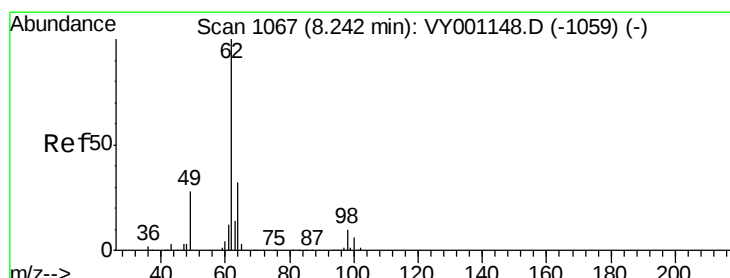
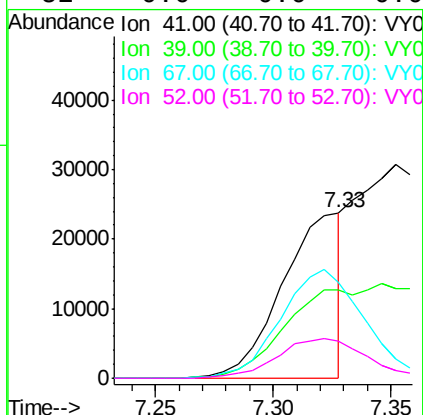
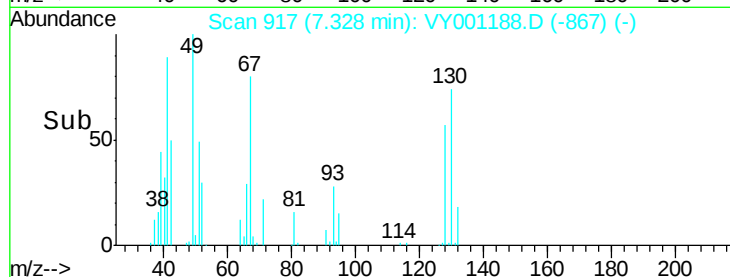
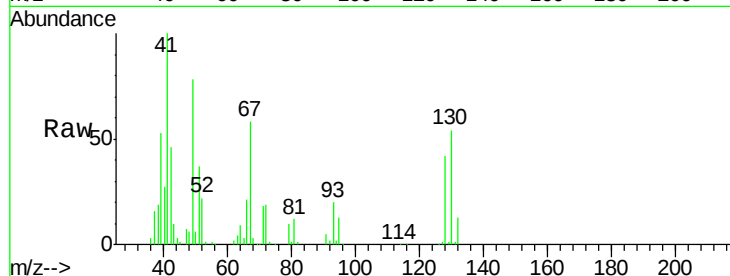
#41
Methacrylonitrile
Concen: 52.064 ug/l m
RT: 7.33 min Scan# 917
Delta R.T. 0.01 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	103.5	155.3#
67	0.0	0.0	0.0
52	0.0	0.0	0.0

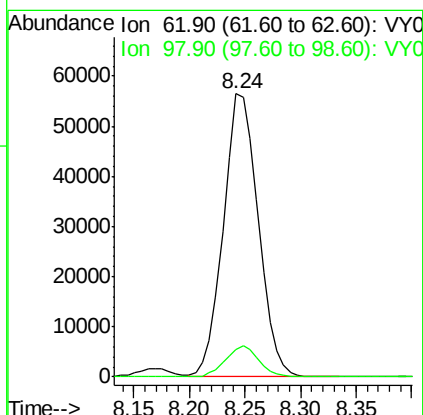
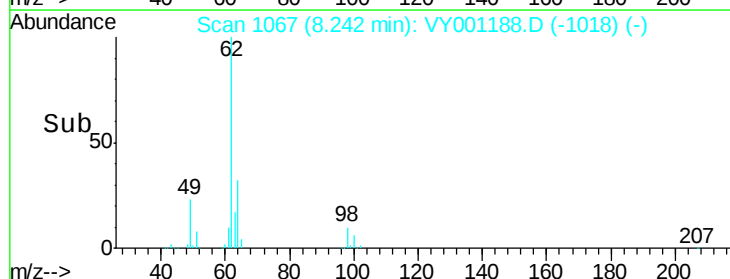
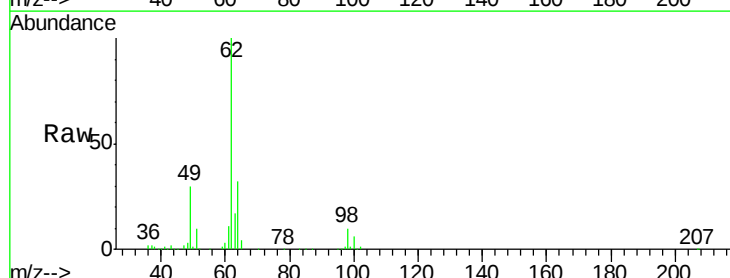
Manual Integrations
APPROVED

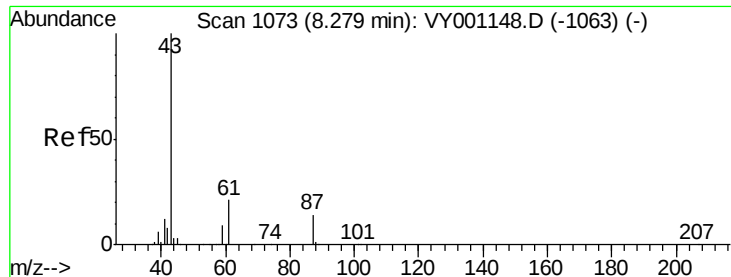
apatel
1/14/2020 12:48:08 PM



#42
1,2-Dichloroethane
Concen: 51.266 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.4





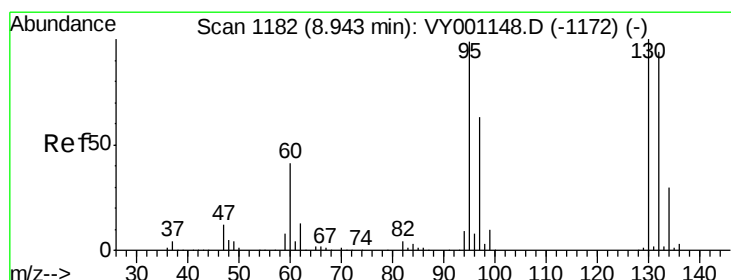
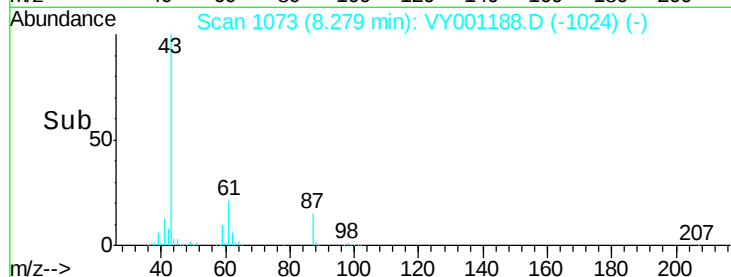
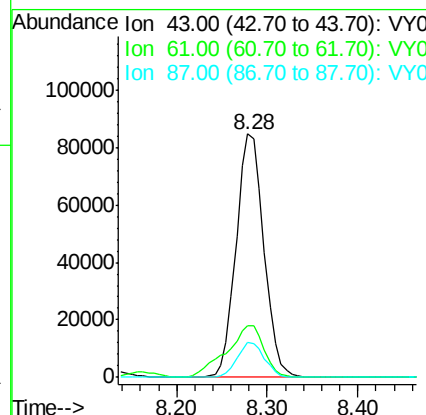
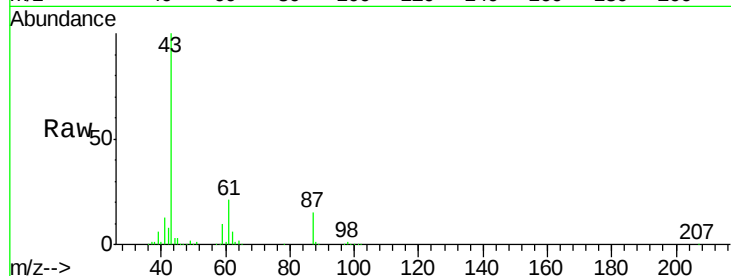
#43
Isopropyl Acetate
Concen: 54.440 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.9	23.9	35.9
87	14.2	11.4	17.2

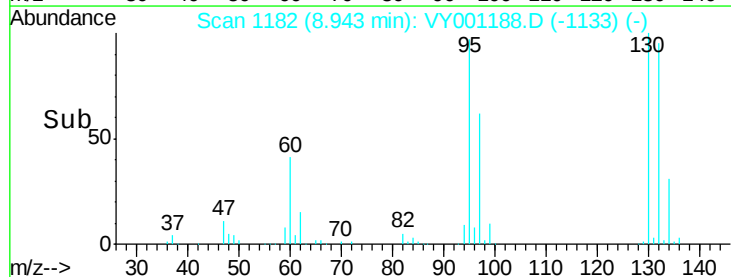
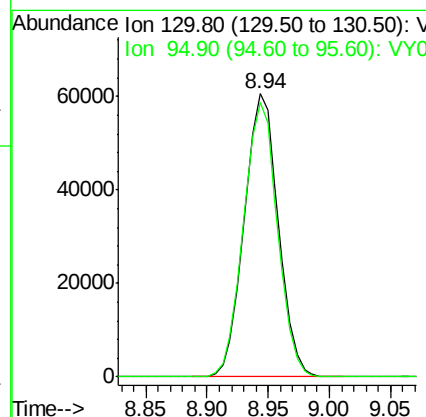
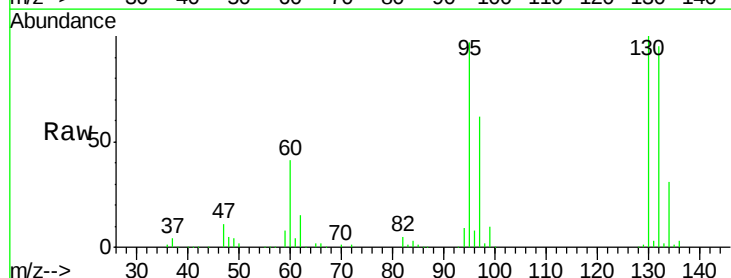
Manual Integrations
APPROVED

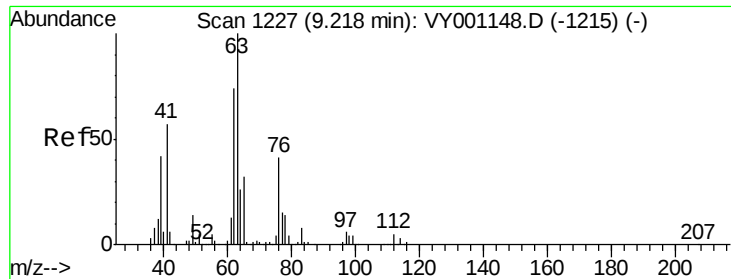
apatel
1/14/2020 12:48:08 PM



#44
Trichloroethene
Concen: 52.514 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	197.6





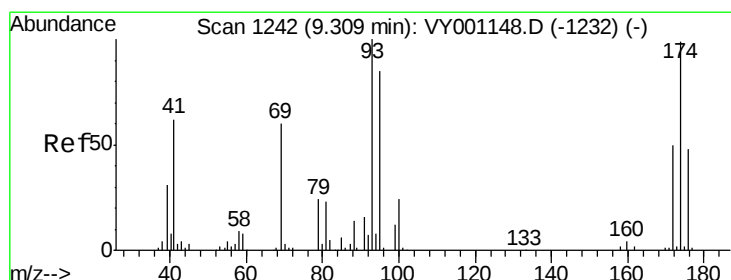
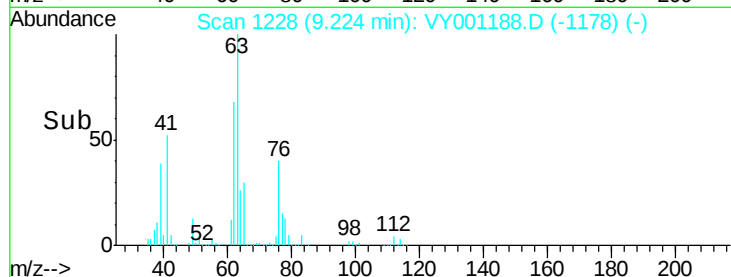
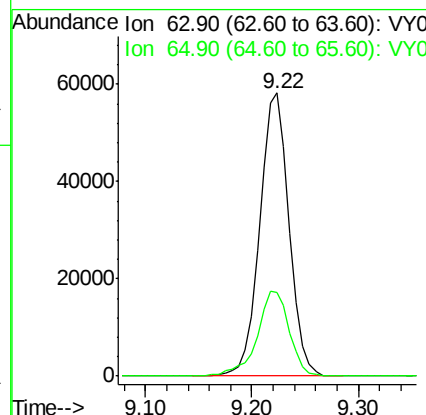
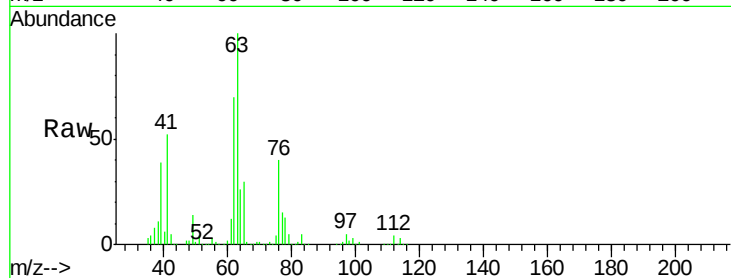
#45
 1,2-Dichloropropane
 Concen: 53.036 ug/l
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.01 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.7	25.8	38.8

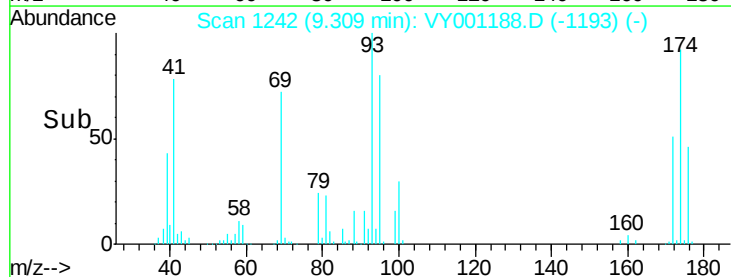
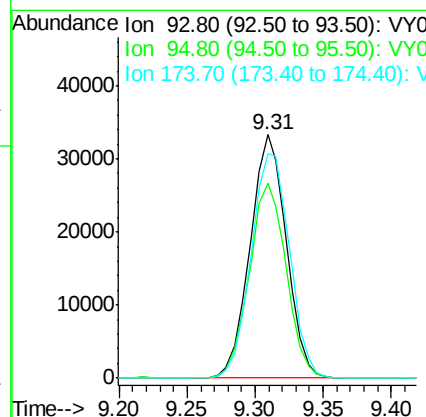
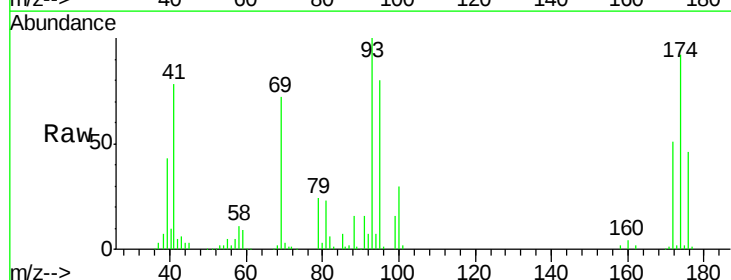
Manual Integrations
 APPROVED

apatel
 1/14/2020 12:48:08 PM



#46
 Dibromomethane
 Concen: 53.841 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.7	66.8	100.2
174	98.1	78.4	117.6





#47

Bromodichloromethane

Concen: 52.231 ug/l

RT: 9.50 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

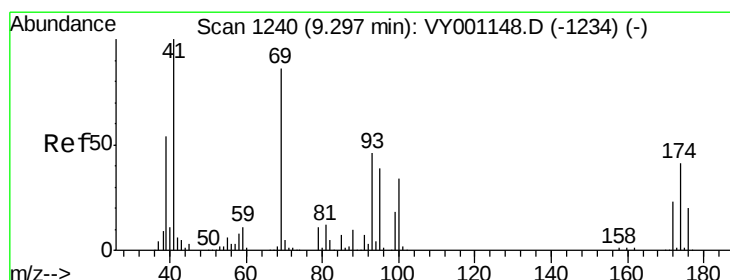
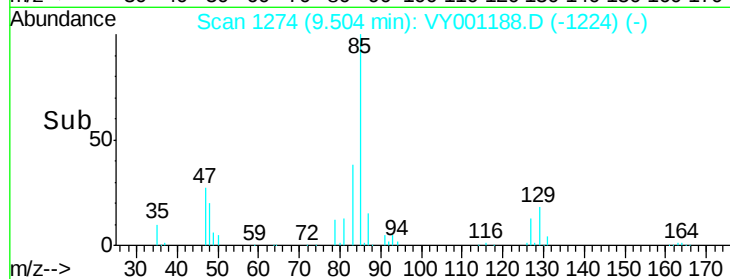
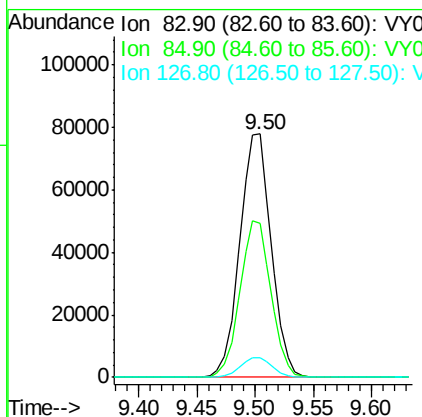
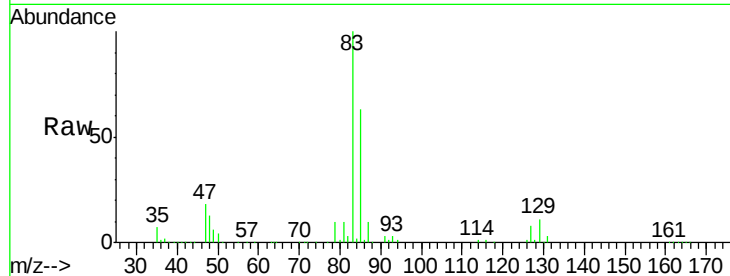
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	146899
Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.5	77.3
127	8.1	6.3	9.5

Manual Integrations
APPROVED

apatel
1/14/2020 12:48:08 PM



#48

Methyl methacrylate

Concen: 53.820 ug/l

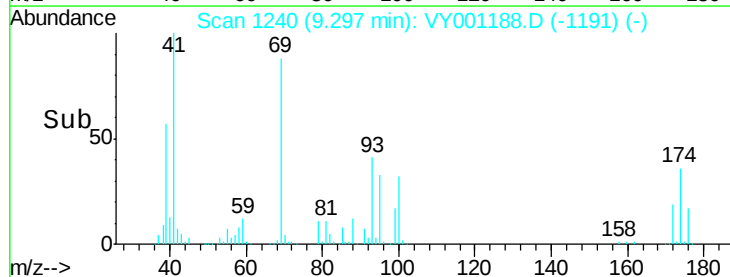
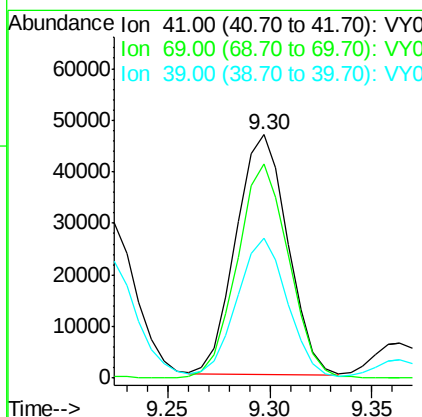
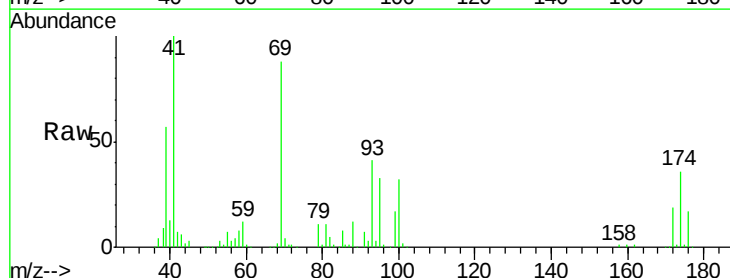
RT: 9.30 min Scan# 1240

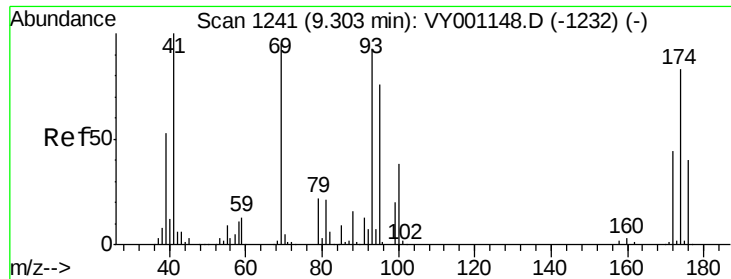
Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Tgt Ion:	41	Resp:	81918
Ion	Ratio	Lower	Upper
41	100		
69	89.3	69.8	104.8
39	57.5	45.2	67.8





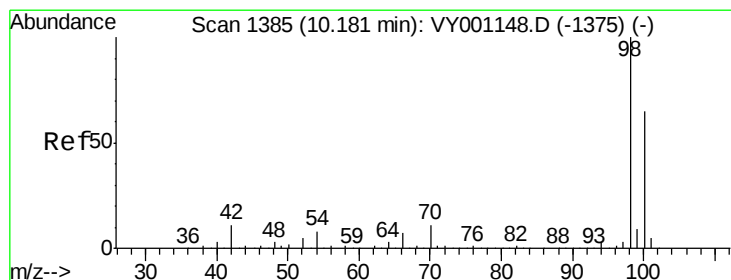
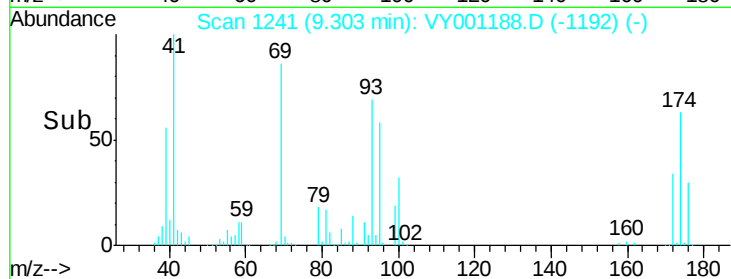
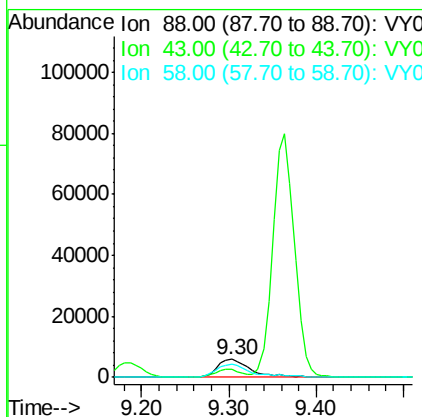
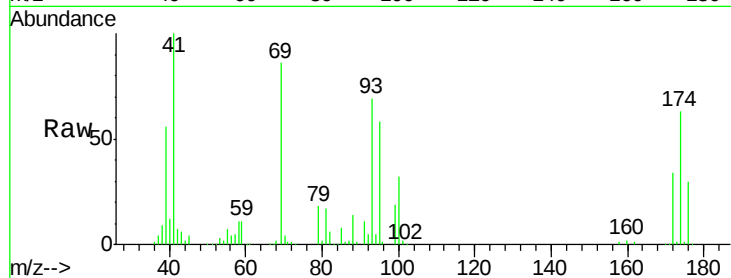
#49
 1,4-Dioxane
 Concen: 1161.449 ug/l
 RT: 9.30 min Scan# 1241
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	88	Resp	16323
Ion	Ratio	Lower	Upper
88	100		
43	30.7	22.4	33.6
58	76.4	58.0	87.0

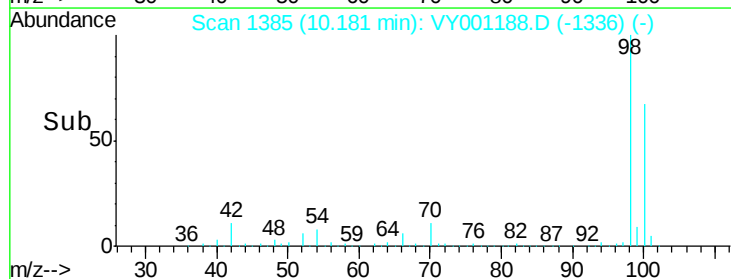
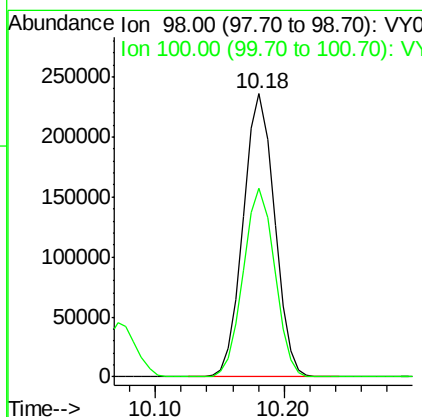
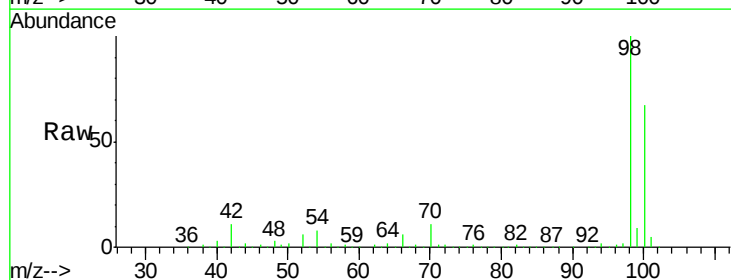
Manual Integrations
 APPROVED

apatel
 1/14/2020 12:48:08 PM



#50
 Toluene-d8
 Concen: 54.748 ug/l
 RT: 10.18 min Scan# 1385
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Tgt Ion	98	Resp	397178
Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.1	79.7





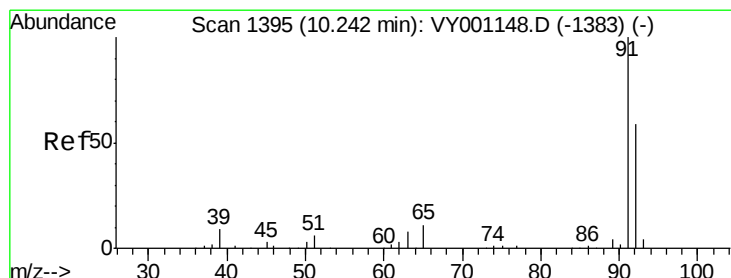
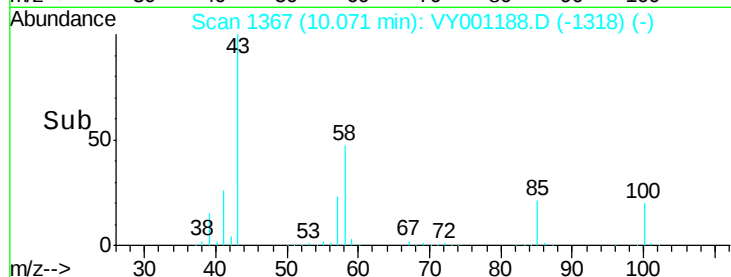
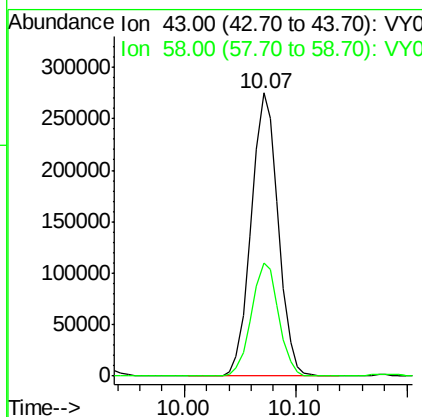
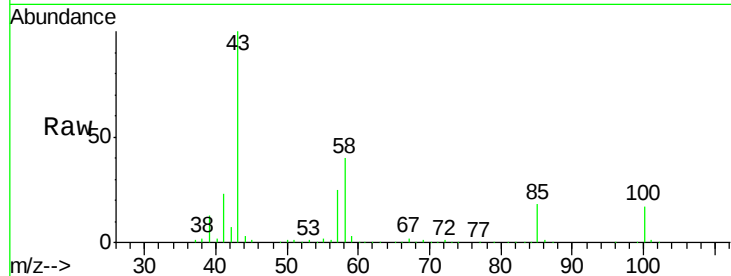
#51
4-Methyl-2-Pentanone
Concen: 277.821 ug/l
RT: 10.07 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 463665
Ion Ratio Lower Upper
43 100
58 40.3 32.3 48.5

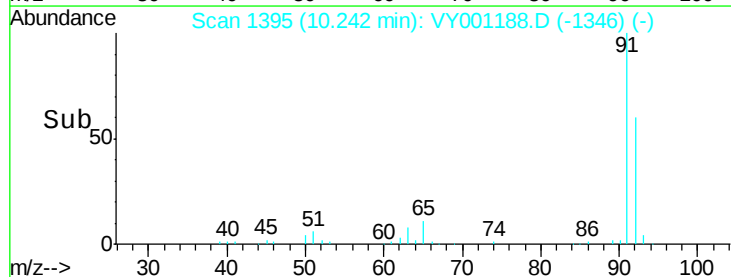
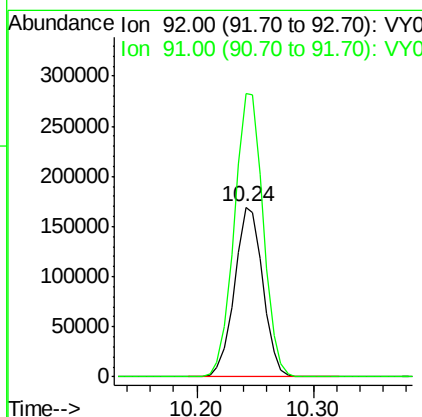
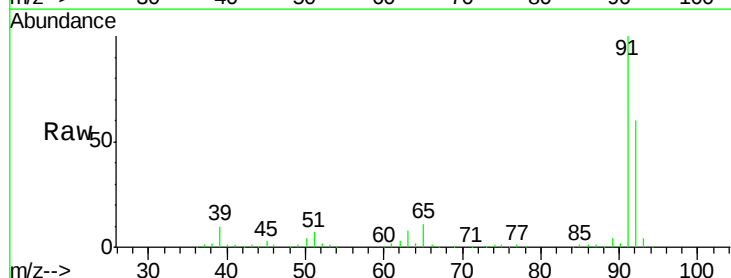
Manual Integrations
APPROVED

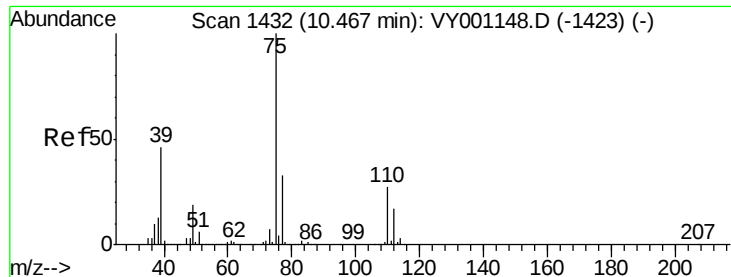
apatel
1/14/2020 12:48:08 PM



#52
Toluene
Concen: 52.550 ug/l
RT: 10.24 min Scan# 1395
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion: 92 Resp: 286753
Ion Ratio Lower Upper
92 100
91 170.3 136.6 204.8





#53

t-1,3-Dichloropropene

Concen: 52.352 ug/l

RT: 10.47 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 164759

Ion Ratio Lower Upper

75 100

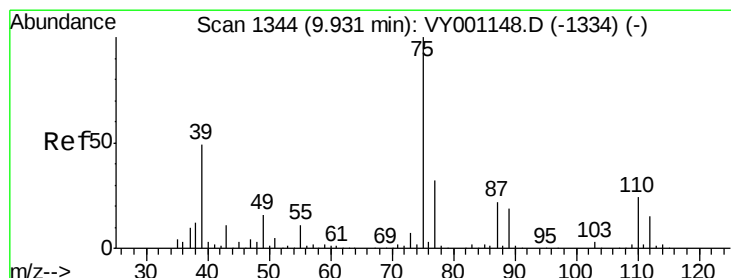
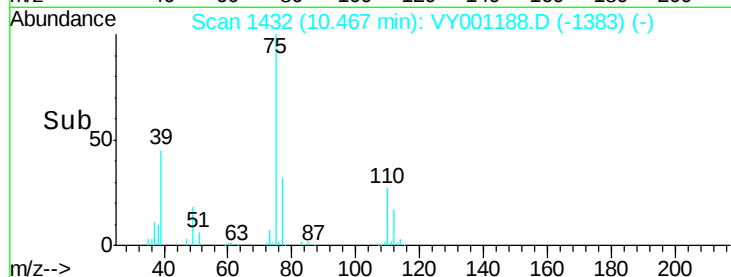
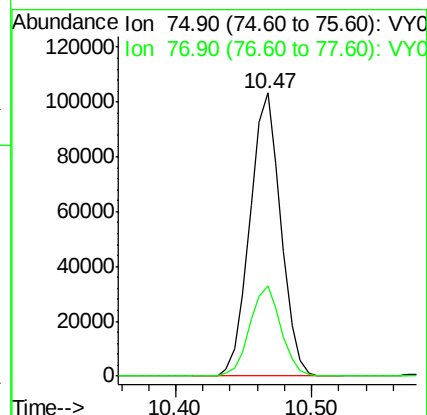
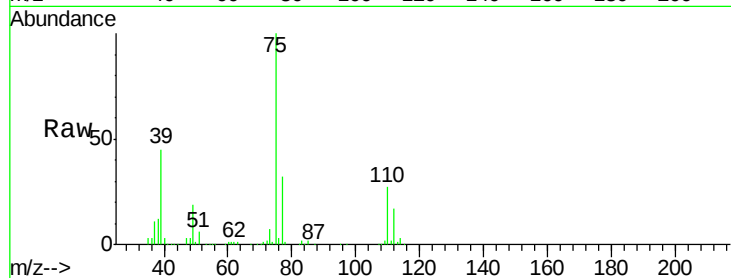
77 31.6 26.2 39.2

Manual Integrations

APPROVED

apatel

1/14/2020 12:48:08 PM



#54

cis-1,3-Dichloropropene

Concen: 52.216 ug/l

RT: 9.93 min Scan# 1344

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

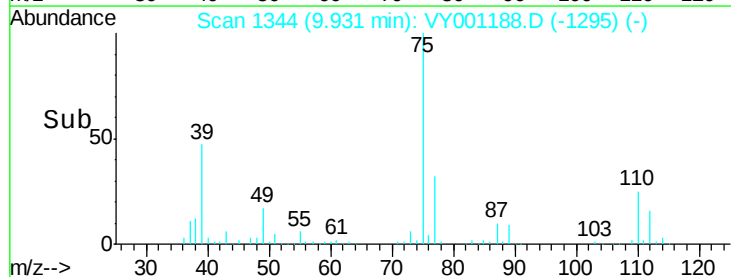
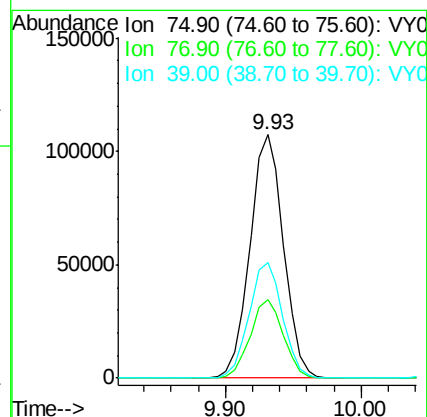
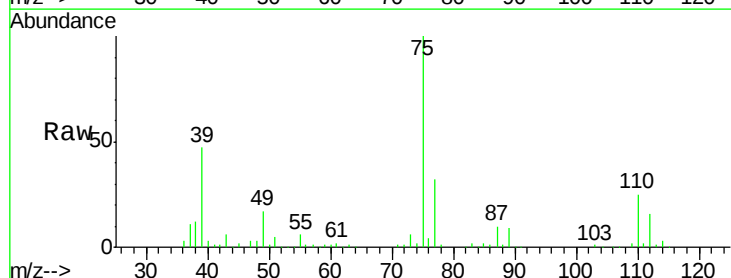
Tgt Ion: 75 Resp: 185279

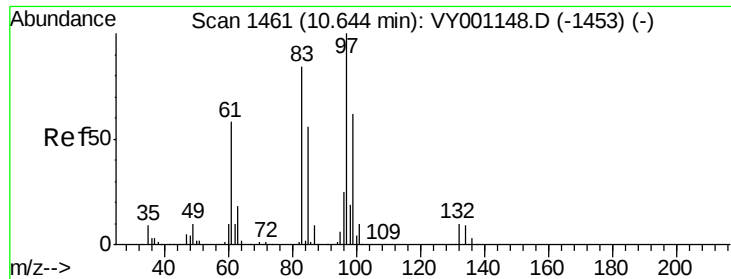
Ion Ratio Lower Upper

75 100

77 32.0 25.3 37.9

39 47.3 39.1 58.7





#55

1,1,2-Trichloroethane

Concen: 53.939 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

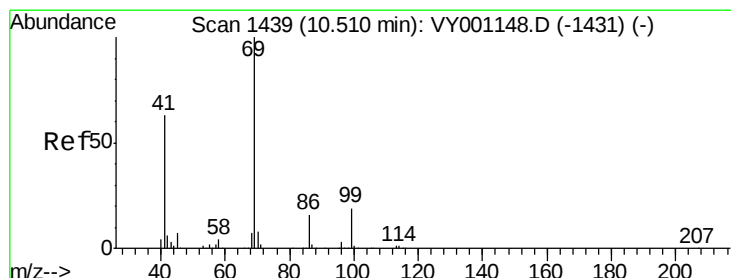
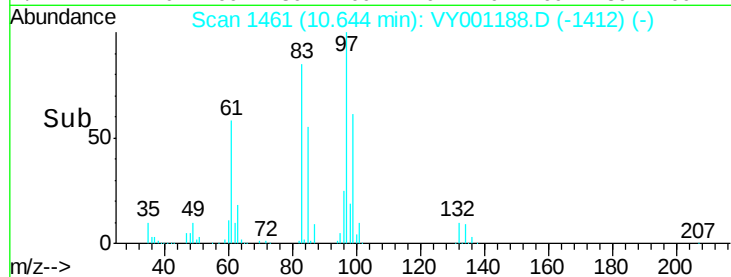
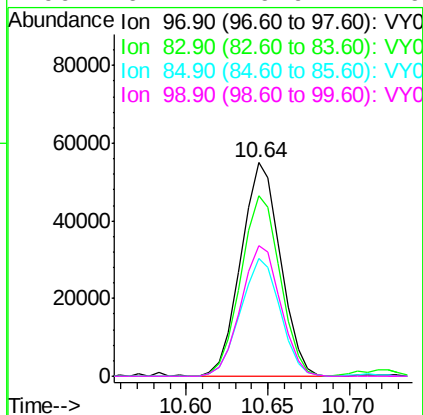
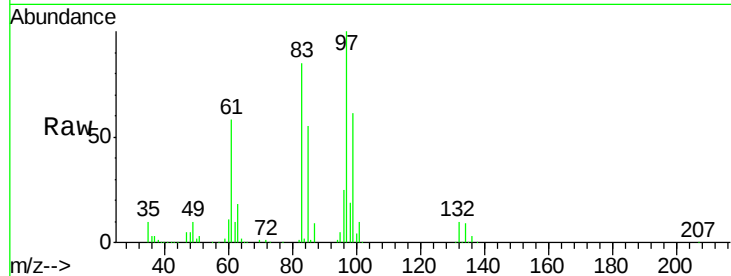
VSTDCCC050EC

Tot Ion:	97	Resp:	92281
Ion	Ratio	Lower	Upper
97	100		
83	84.8	67.2	100.8
85	55.0	44.9	67.3
99	61.1	49.9	74.9

Manual Integrations
APPROVED

apatel

1/14/2020 12:48:08 PM



#56

Ethyl methacrylate

Concen: 54.542 ug/l

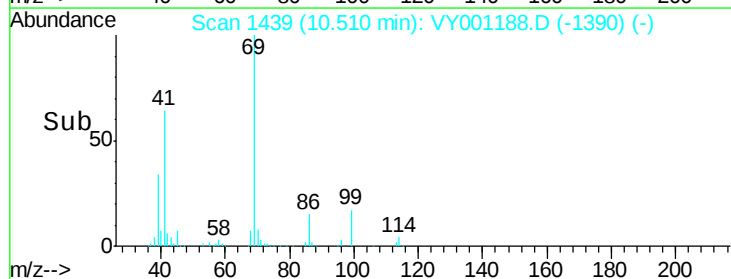
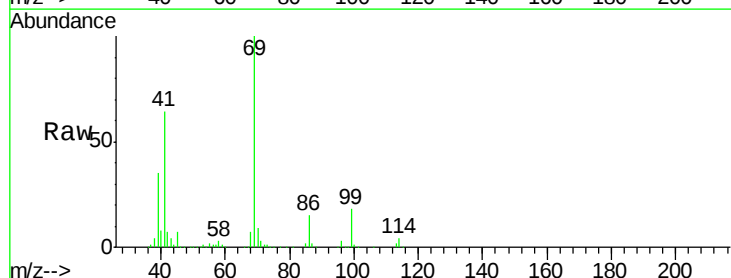
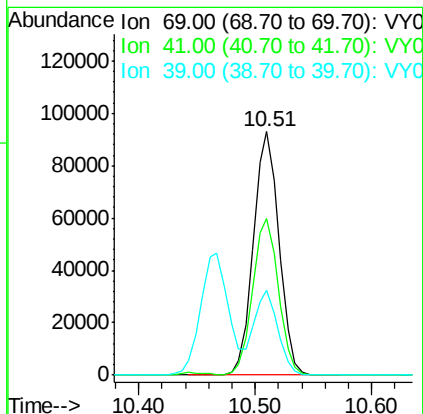
RT: 10.51 min Scan# 1439

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Tgt Ion:	69	Resp:	142737
Ion	Ratio	Lower	Upper
69	100		
41	64.4	51.4	77.2
39	34.0	26.3	39.5





#57

1,3-Dichloropropane

Concen: 54.372 ug/l

RT: 10.79 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 159694

Ion Ratio Lower Upper

76 100

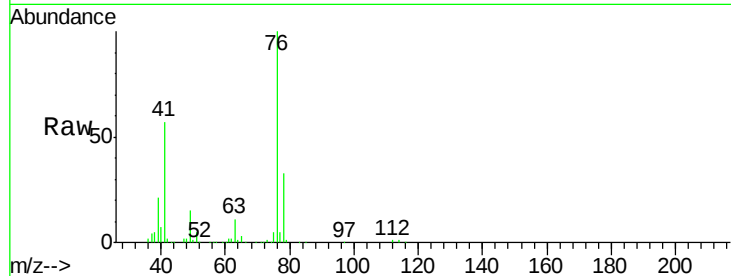
78 32.5 26.1 39.1

Manual Integrations

APPROVED

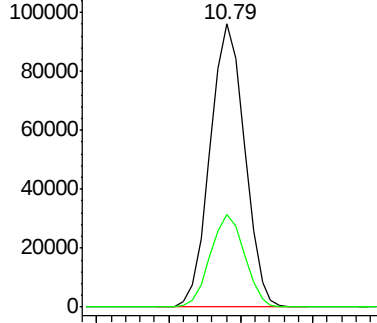
apatel

1/14/2020 12:48:08 PM

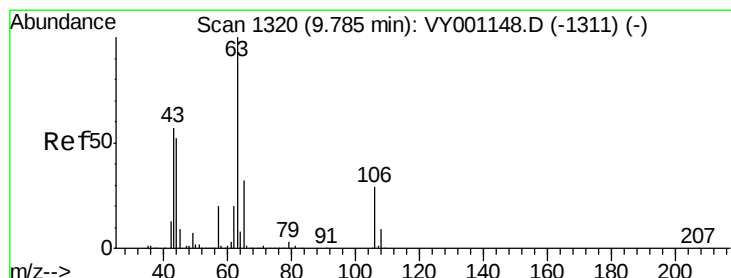
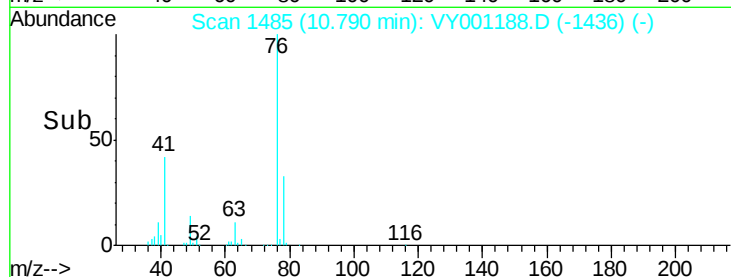


Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



Time--> 10.70 10.75 10.80 10.85



#58

2-Chloroethyl Vinyl ether

Concen: 242.279 ug/l

RT: 9.78 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VY001188.D

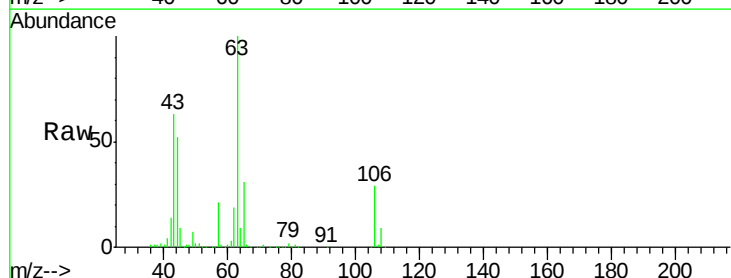
Acq: 13 Jan 2020 18:21

Tgt Ion: 63 Resp: 223003

Ion Ratio Lower Upper

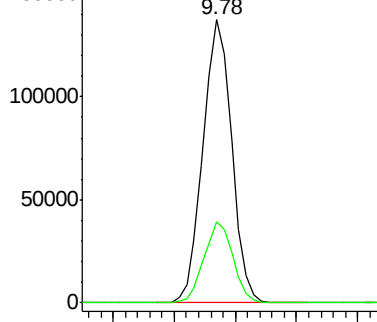
63 100

106 29.0 23.0 34.6

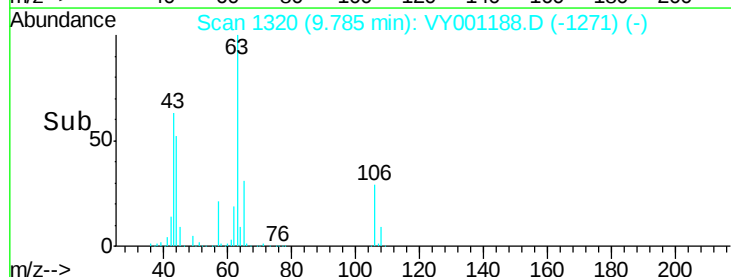


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V



Time--> 9.70 9.75 9.80 9.85 9.90





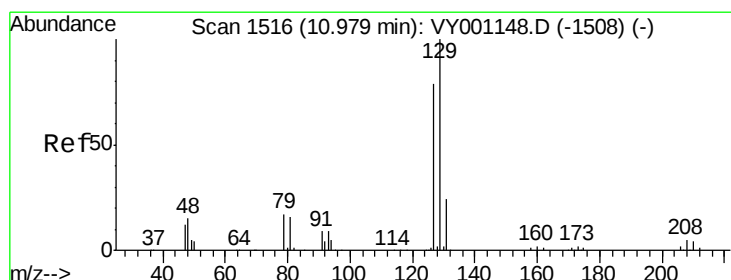
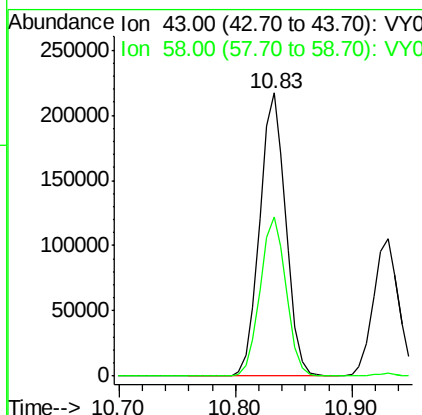
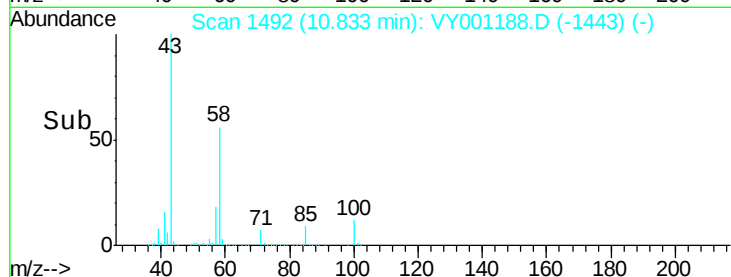
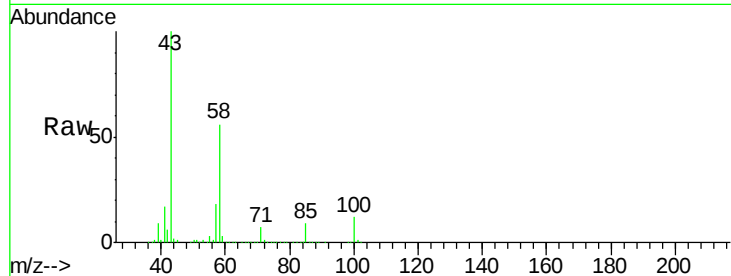
#59
2-Hexanone
Concen: 289.269 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	338341
Ion Ratio	100	Lower	Upper
43	100		
58	56.1	28.4	85.2

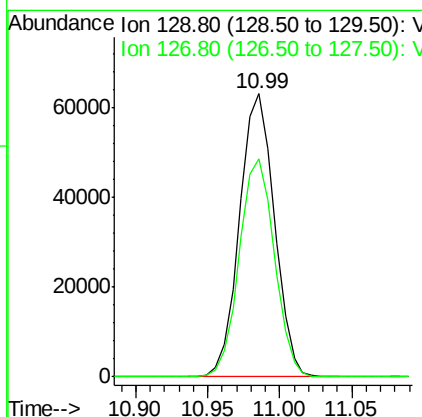
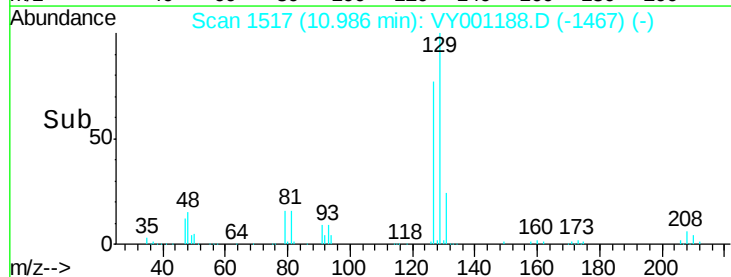
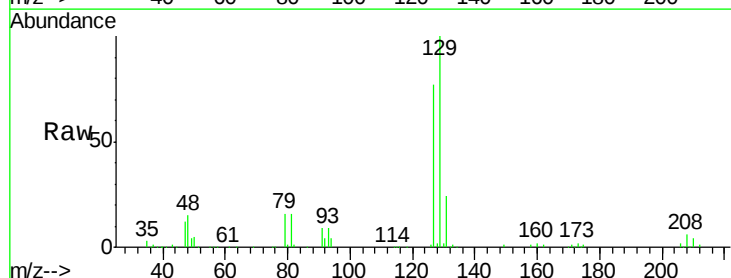
Manual Integrations
APPROVED

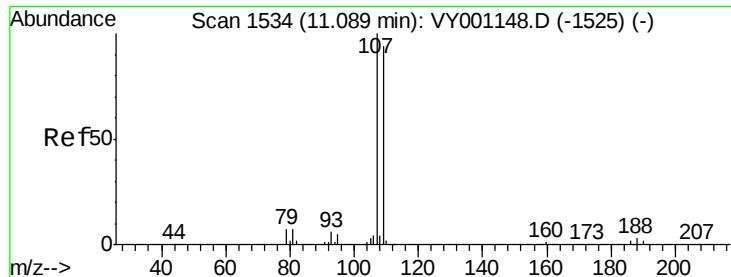
apatel
1/14/2020 12:48:08 PM



#60
Dibromochloromethane
Concen: 53.924 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.01 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion	129	Resp	106220
Ion Ratio	100	Lower	Upper
129	100		
127	77.3	38.9	116.7





#61

1,2-Dibromoethane

Concen: 53.687 ug/l

RT: 11.09 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 89686

Ion Ratio Lower Upper

107 100

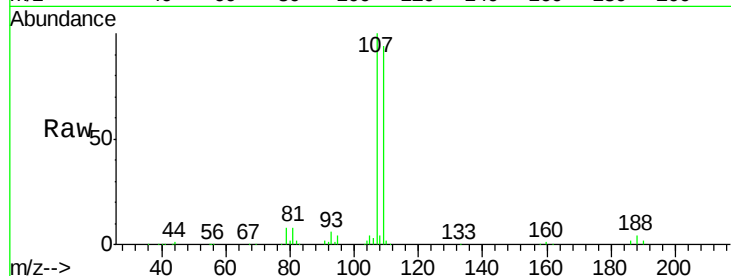
109 95.2 75.4 113.0

Manual Integrations

APPROVED

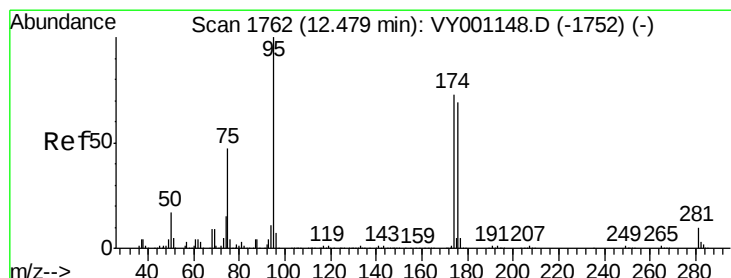
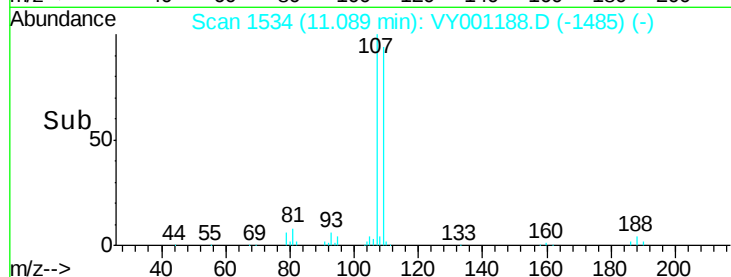
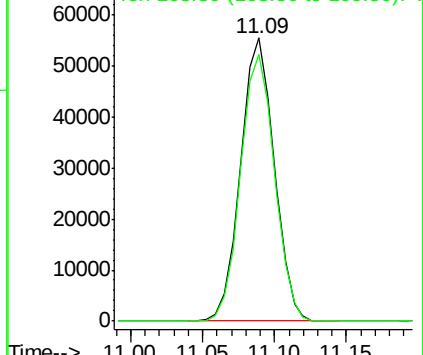
apatel

1/14/2020 12:48:08 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.613 ug/l

RT: 12.48 min Scan# 1762

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

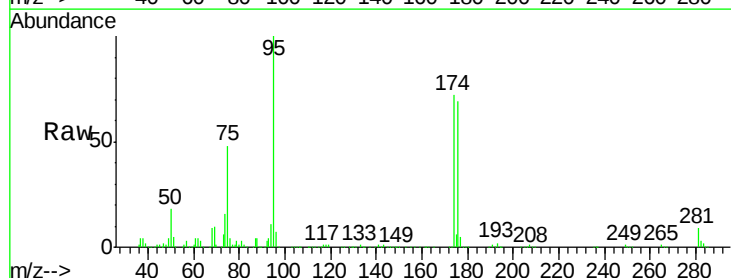
Tgt Ion: 95 Resp: 153080

Ion Ratio Lower Upper

95 100

174 73.3 0.0 143.2

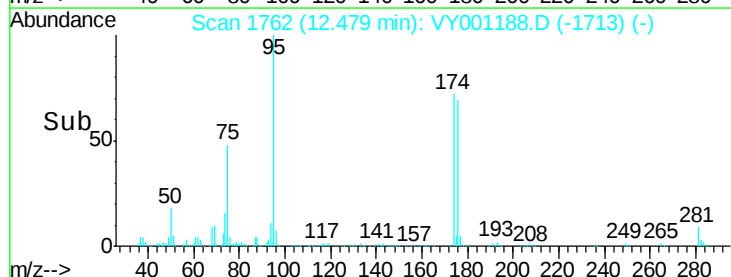
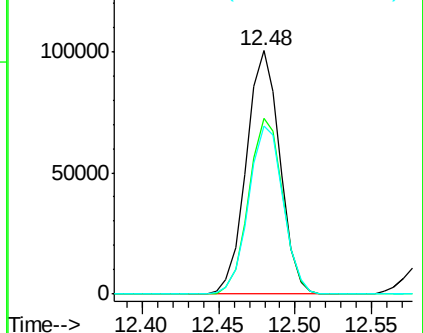
176 71.2 0.0 136.0

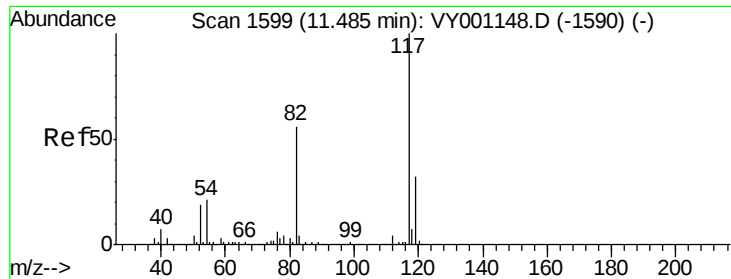


Abundance Ion 94.90 (94.60 to 95.60): VY0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





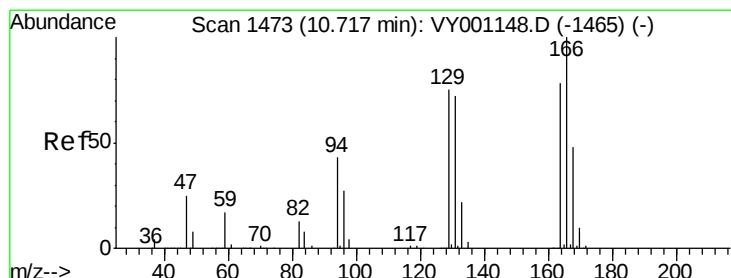
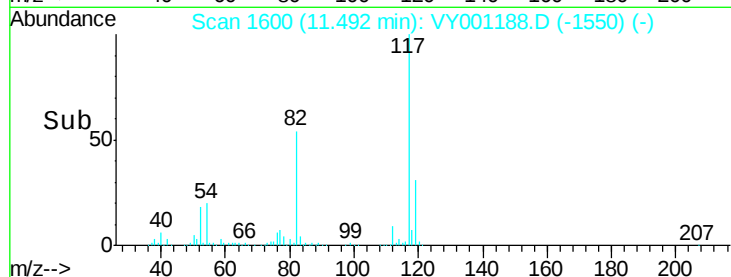
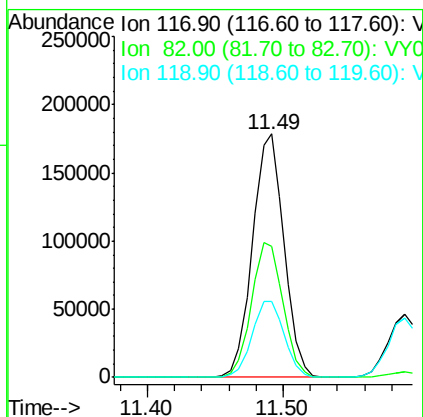
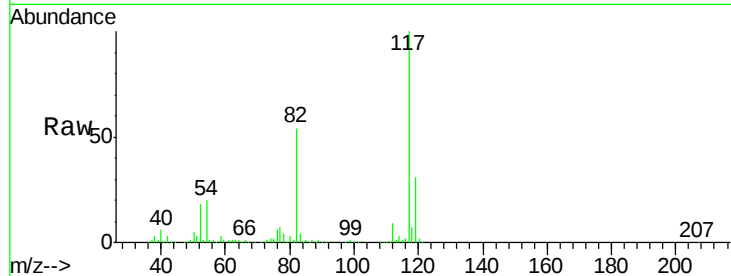
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	290439		
82	54.0		44.9	67.3
119	31.2		25.7	38.5

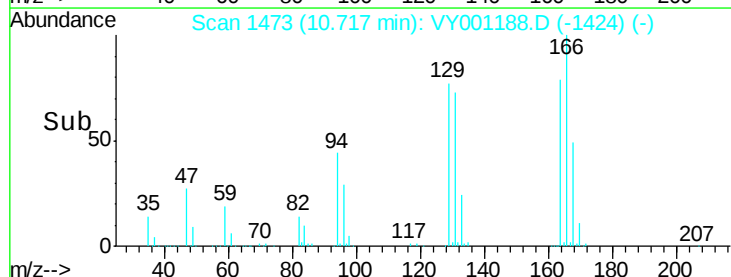
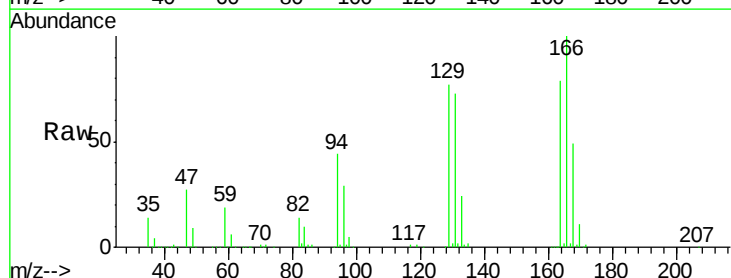
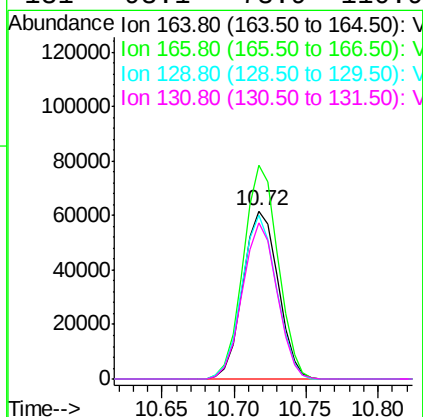
Manual Integrations
APPROVED

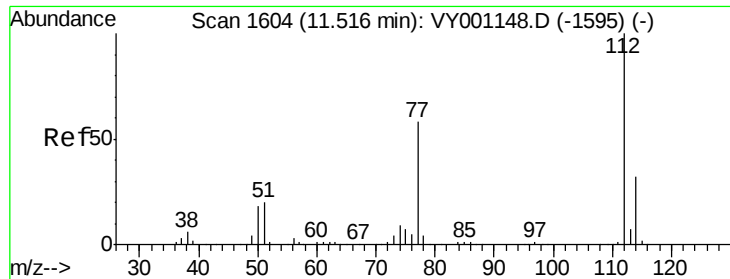
apatel
1/14/2020 12:48:08 PM



#64
Tetrachloroethene
Concen: 55.613 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	104122		
166	127.3		102.3	153.5
129	97.5		76.2	114.4
131	93.1		73.9	110.9





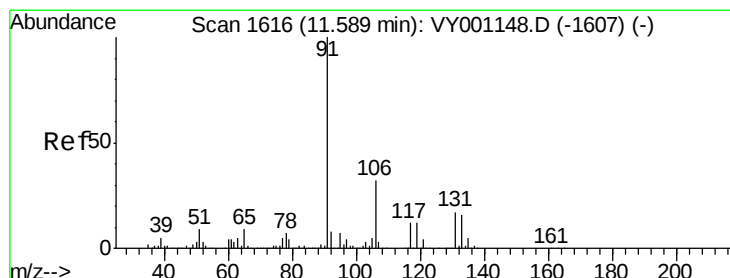
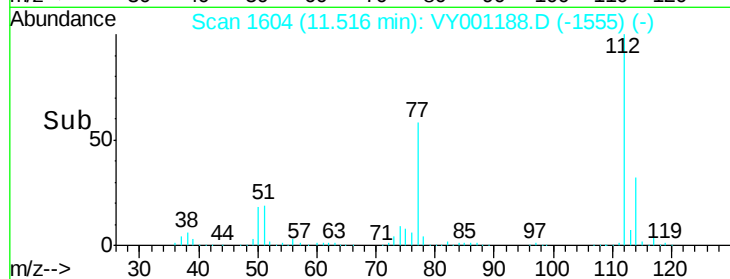
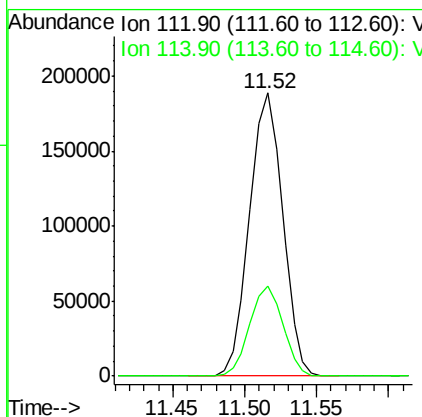
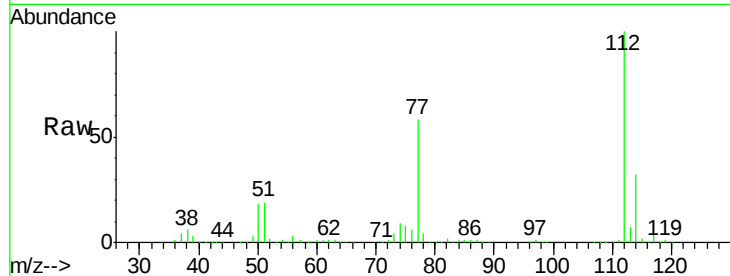
#65
Chlorobenzene
Concen: 52.026 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 301930
Ion Ratio Lower Upper
112 100
114 32.0 25.9 38.9

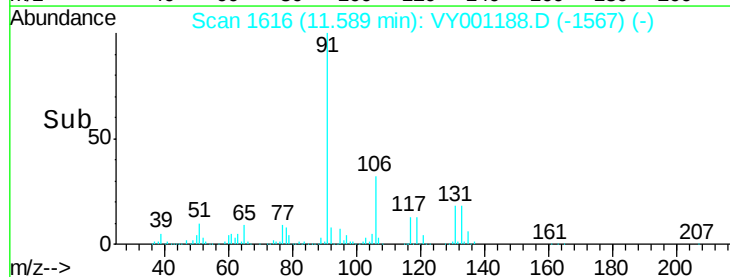
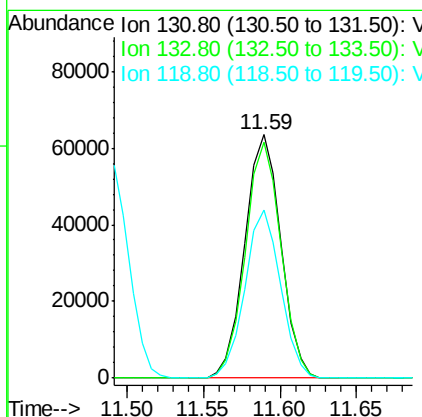
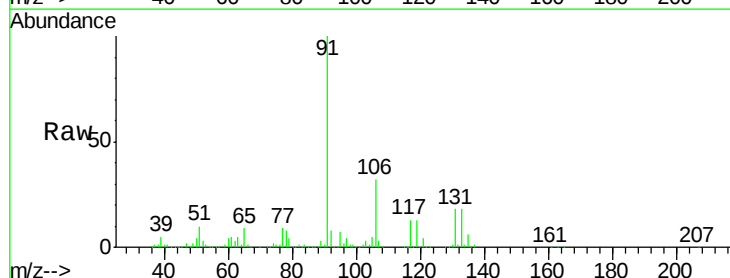
Manual Integrations
APPROVED

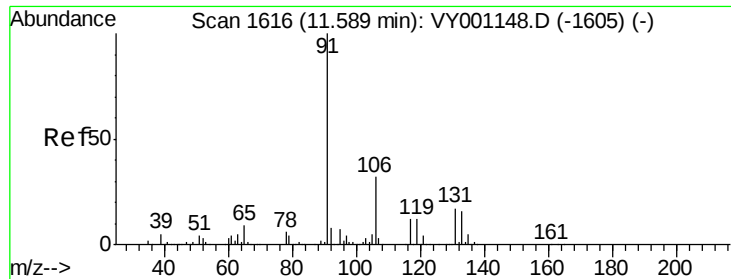
apatel
1/14/2020 12:48:08 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.053 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion:131 Resp: 104117
Ion Ratio Lower Upper
131 100
133 95.6 47.3 142.0
119 68.4 33.6 100.8





#67

Ethyl Benzene

Concen: 51.339 ug/l

RT: 11.59 min Scan# 1616

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 545032

Ion Ratio Lower Upper

91 100

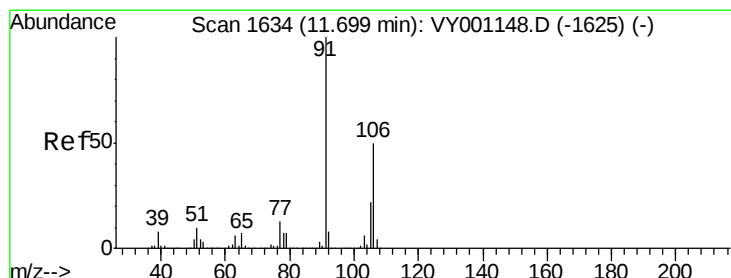
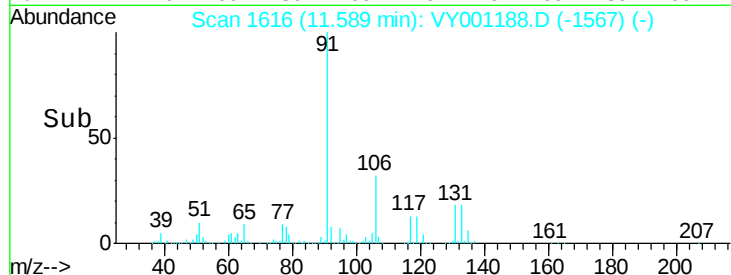
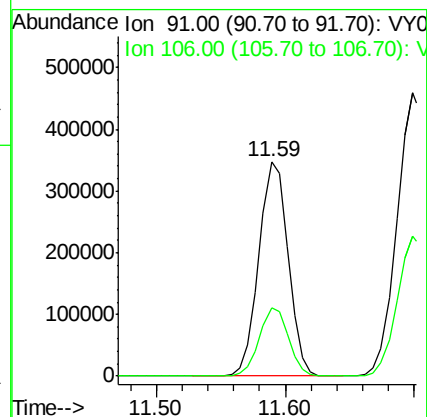
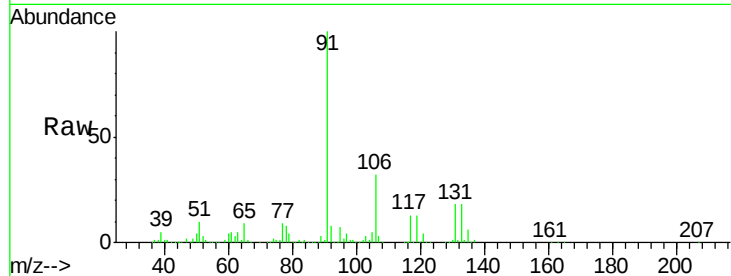
106 31.9 25.3 37.9

Manual Integrations

APPROVED

apatel

1/14/2020 12:48:08 PM



#68

m/p-Xylenes

Concen: 103.801 ug/l

RT: 11.70 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VY001188.D

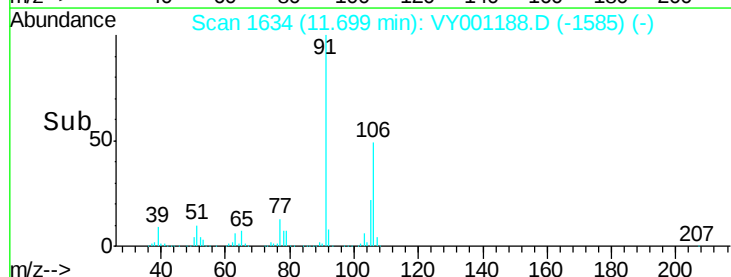
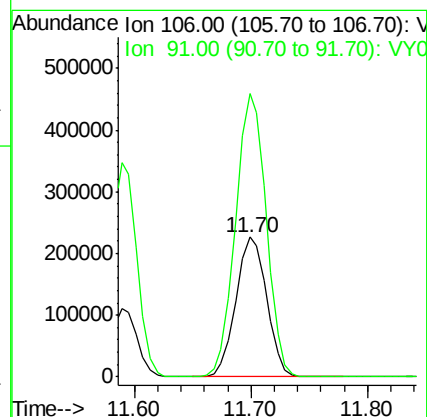
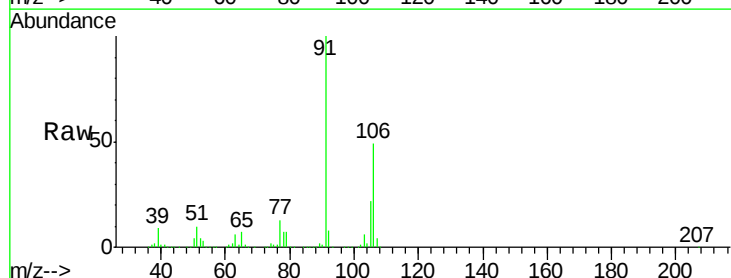
Acq: 13 Jan 2020 18:21

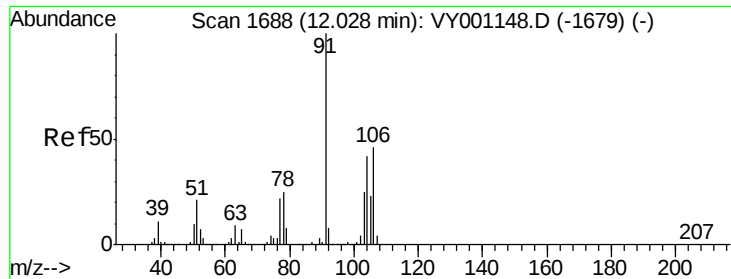
Tgt Ion: 106 Resp: 415702

Ion Ratio Lower Upper

106 100

91 201.6 161.4 242.2





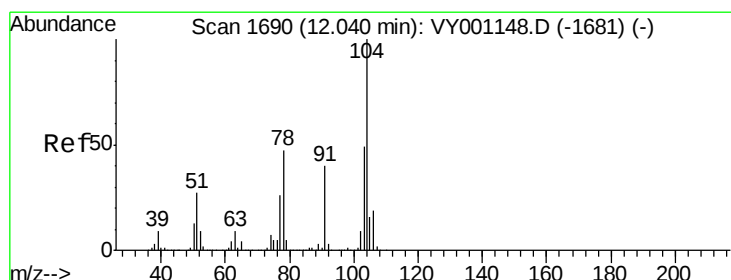
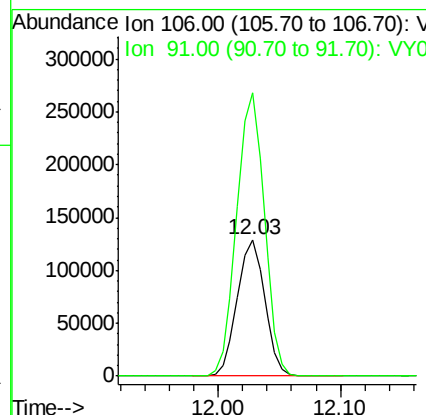
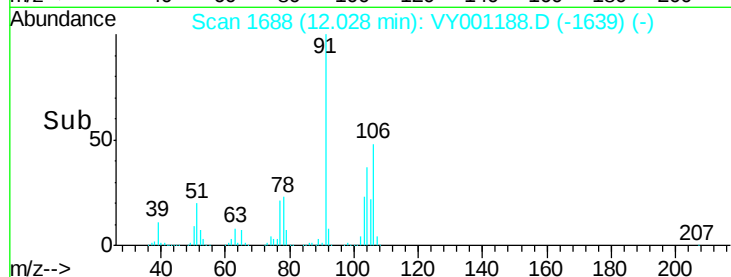
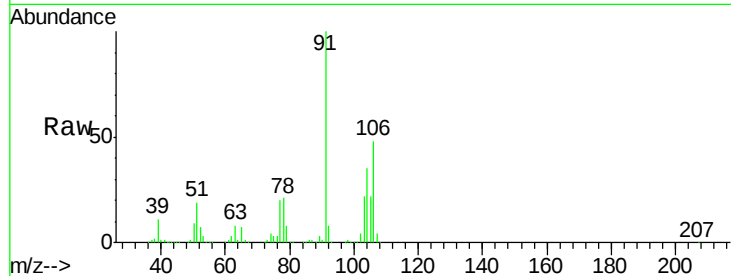
#69
o-Xylene
Concen: 52.219 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		200505		
91	209.3	106.3	318.8		

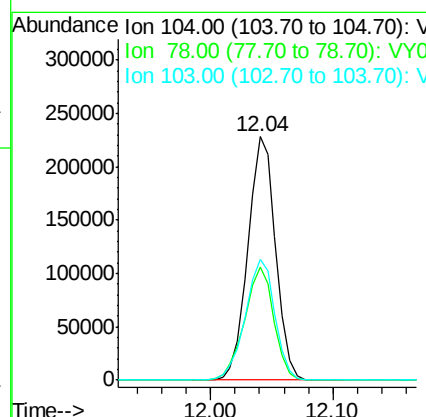
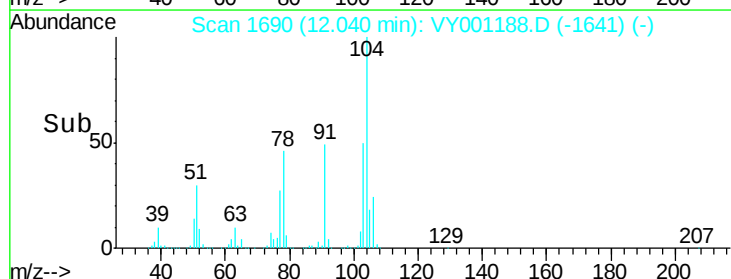
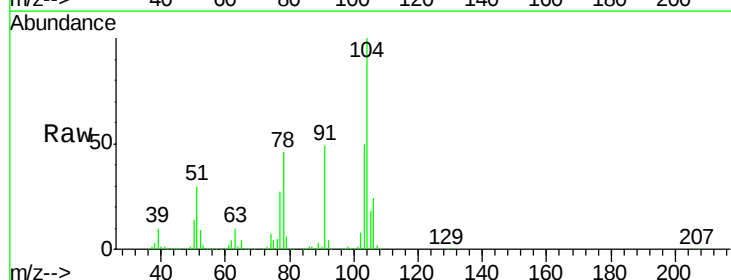
Manual Integrations
APPROVED

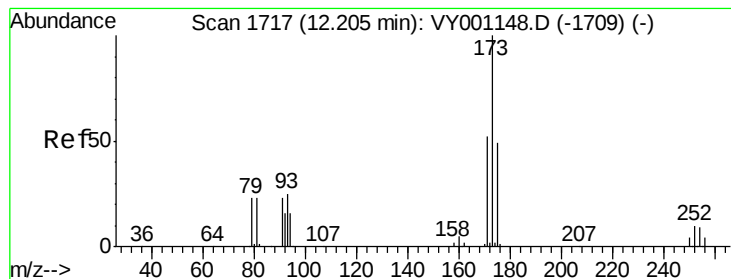
apatel
1/14/2020 12:48:08 PM



#70
Styrene
Concen: 53.123 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		357899		
78	49.3	40.5	60.7		
103	53.1	42.4	63.6		





#71

Bromoform

Concen: 53.215 ug/l

RT: 12.20 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

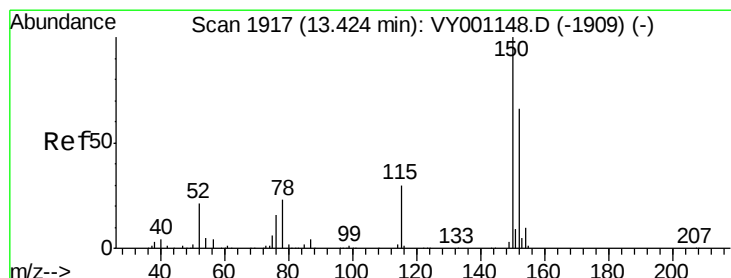
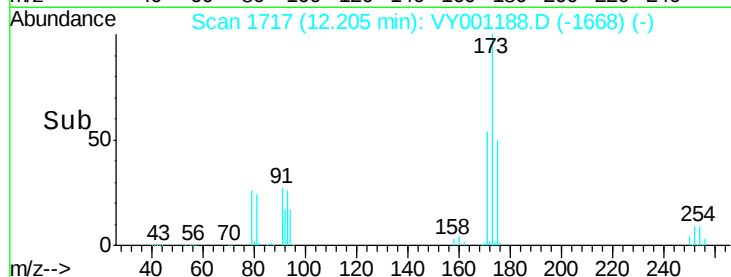
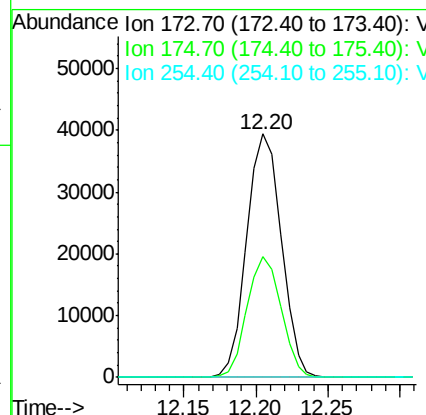
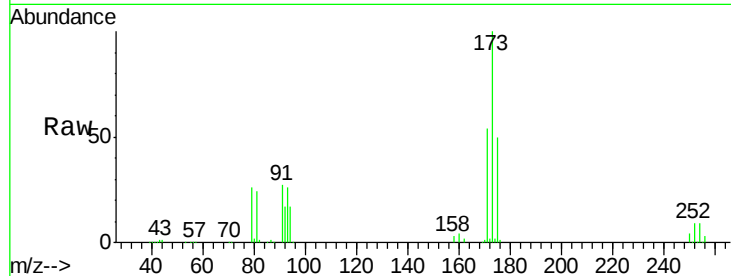
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.2
254	0.1	0.1	0.1#

Manual Integrations
APPROVED

apatel
1/14/2020 12:48:08 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

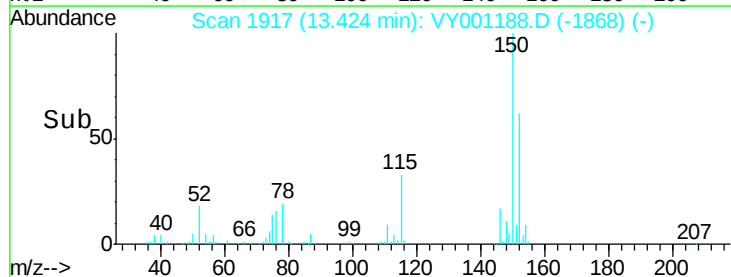
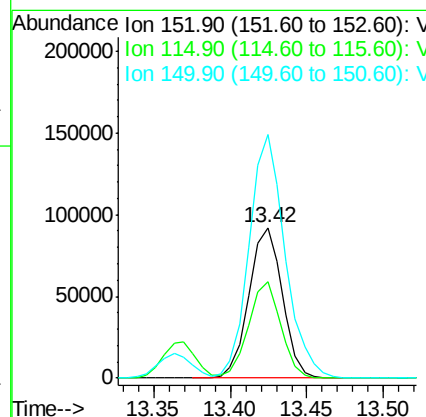
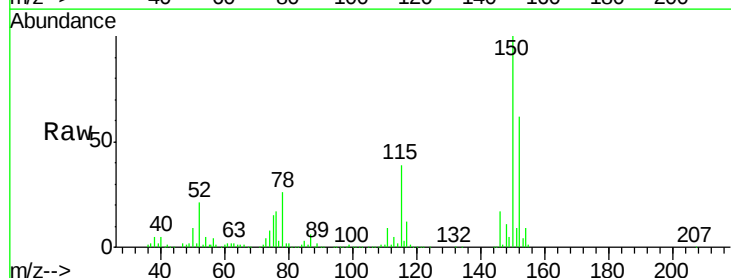
RT: 13.42 min Scan# 1917

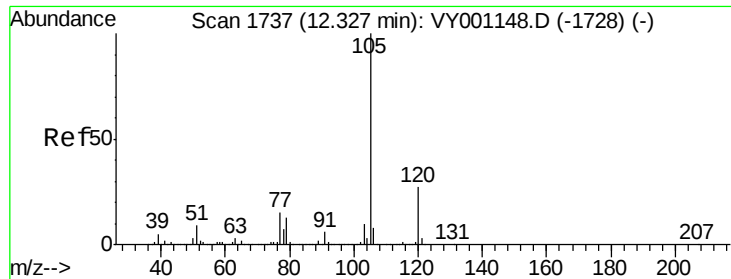
Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	30.9	92.5
150	174.5	0.0	346.8





#73

Isopropylbenzene

Concen: 50.464 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 529577

Ion Ratio Lower Upper

105 100

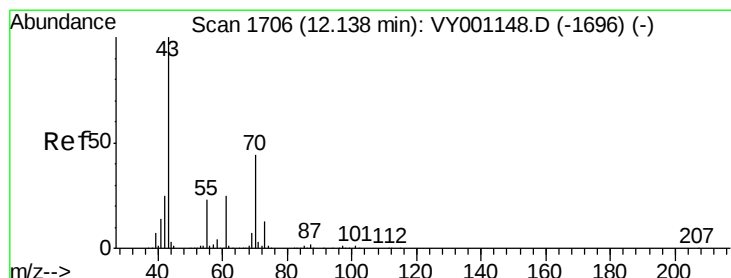
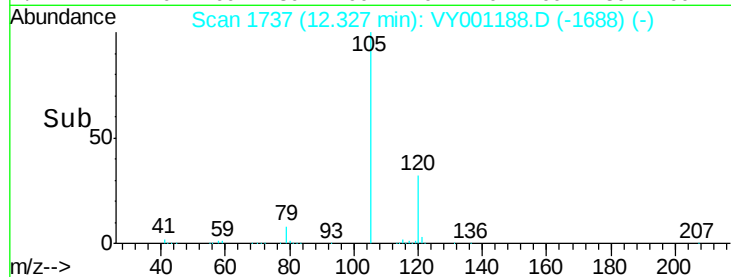
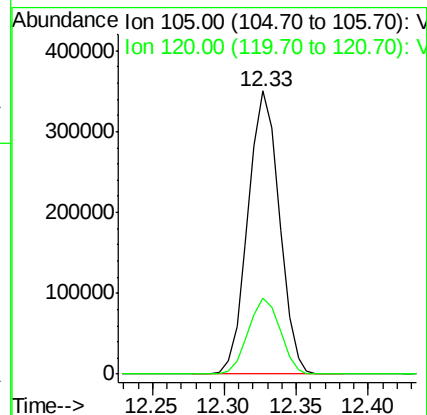
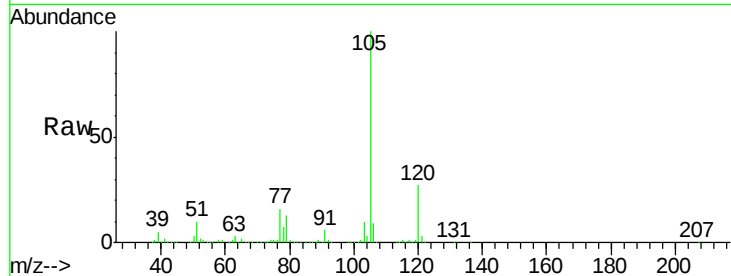
120 27.2 13.4 40.2

Manual Integrations

APPROVED

apatel

1/14/2020 12:48:08 PM



#74

N-ethyl acetate

Concen: 55.502 ug/l

RT: 12.14 min Scan# 1706

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Tgt Ion: 43 Resp: 181770

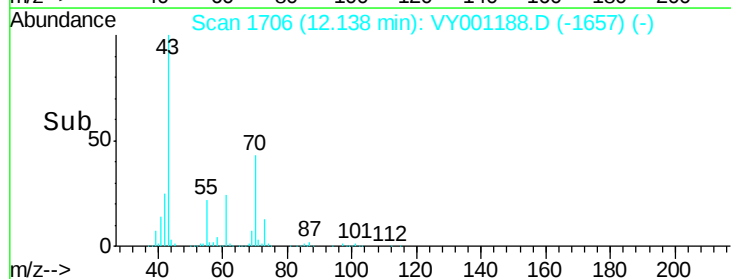
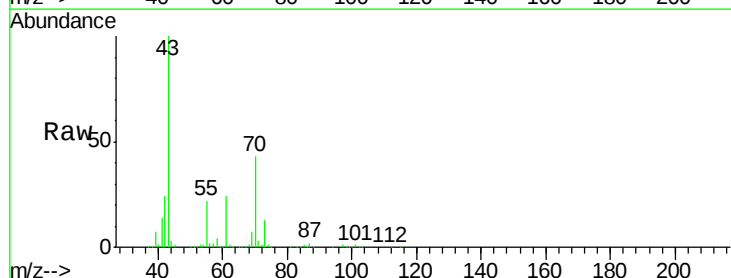
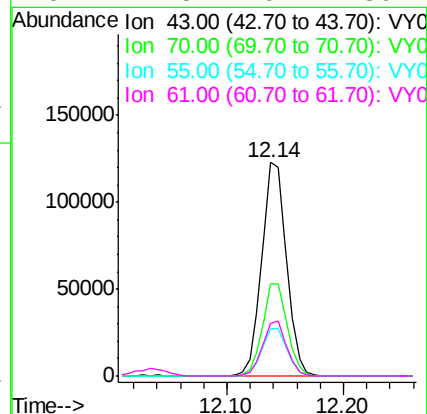
Ion Ratio Lower Upper

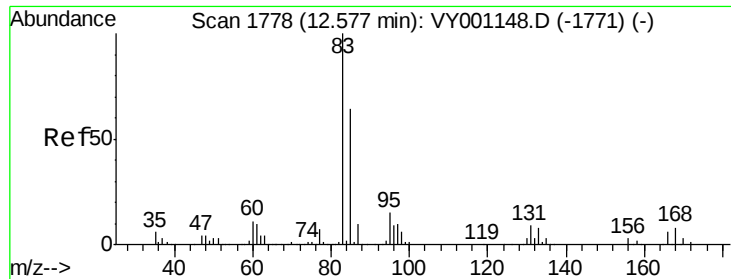
43 100

70 43.4 35.0 52.6

55 22.7 18.4 27.6

61 24.8 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 53.089 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

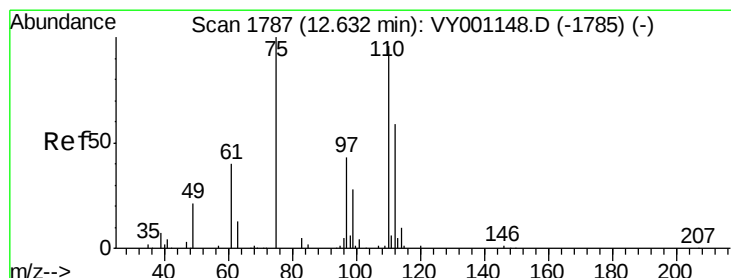
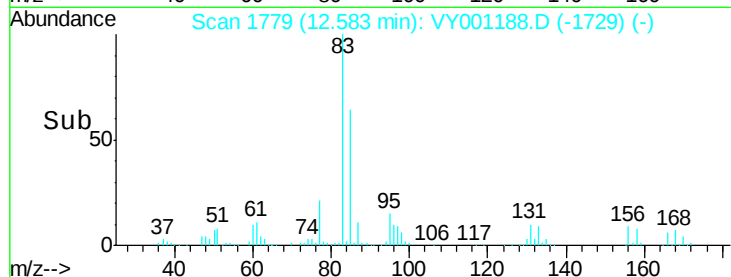
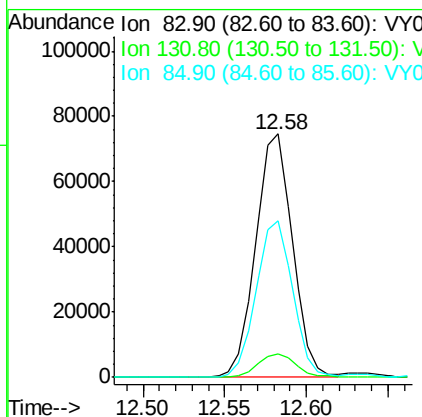
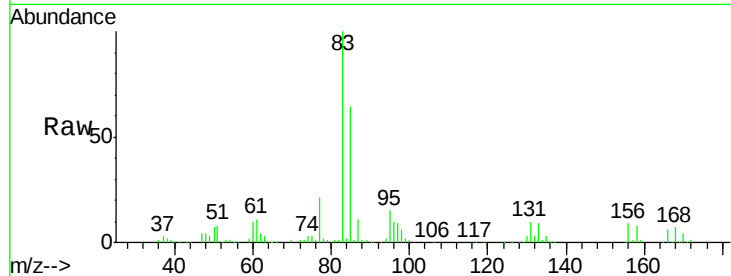
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	117214
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.1	15.3
85	64.0	32.2	96.6

Manual Integrations
APPROVED

apatel
1/14/2020 12:48:08 PM



#76

1,2,3-Trichloropropane

Concen: 63.989 ug/l m

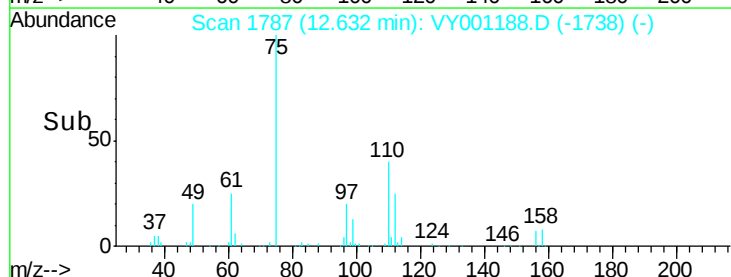
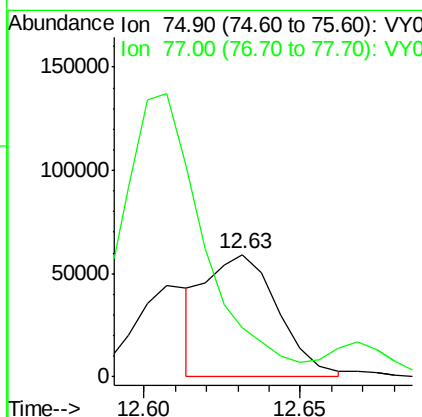
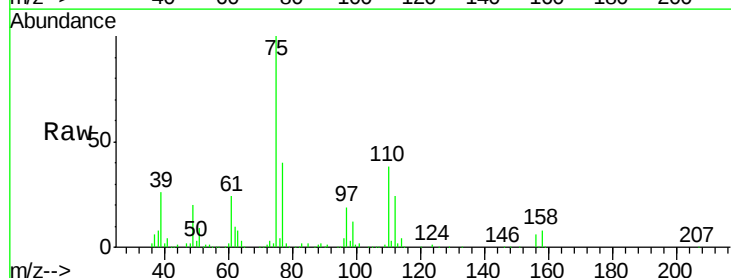
RT: 12.63 min Scan# 1787

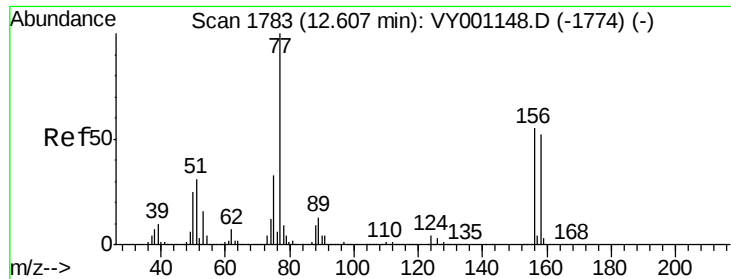
Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Tgt Ion:	75	Resp:	95622
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.159 ug/l

RT: 12.61 min Scan# 1783

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

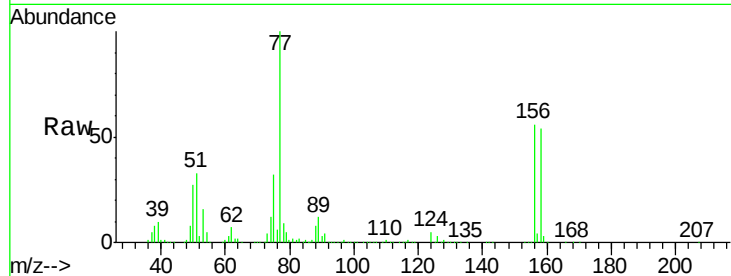
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	207.9	106.7	320.1
158	97.1	48.3	144.8

Manual Integrations
APPROVED

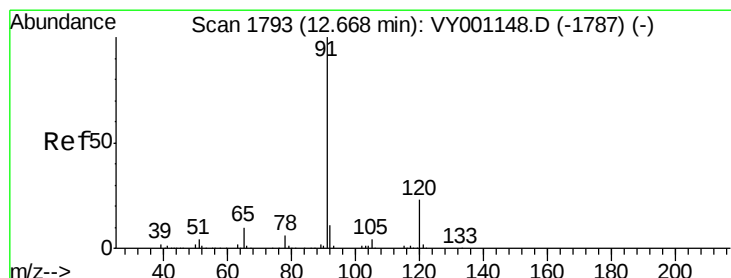
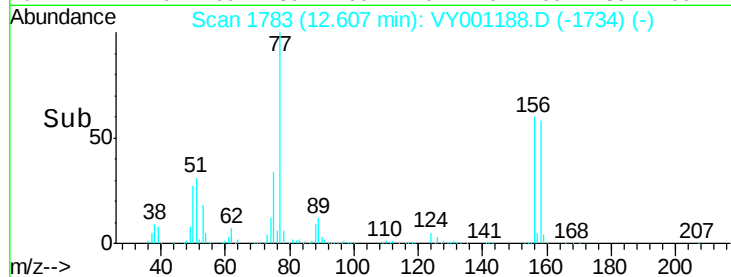
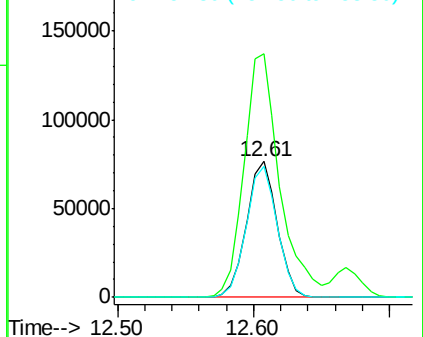
apatel
1/14/2020 12:48:08 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VY0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.473 ug/l

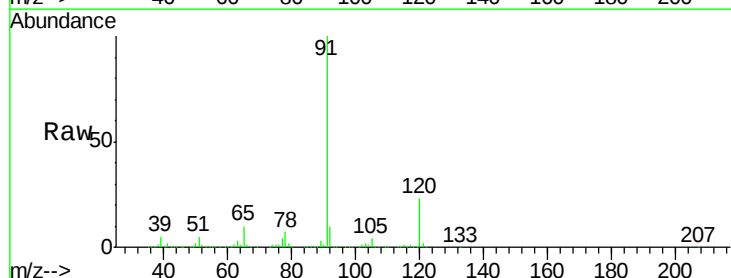
RT: 12.67 min Scan# 1793

Delta R.T. -0.00 min

Lab File: VY001188.D

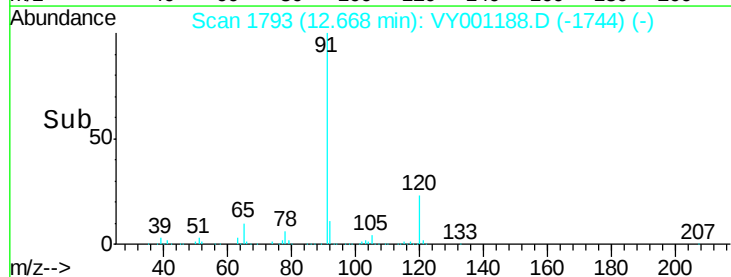
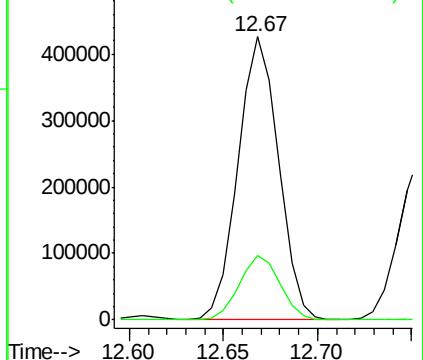
Acq: 13 Jan 2020 18:21

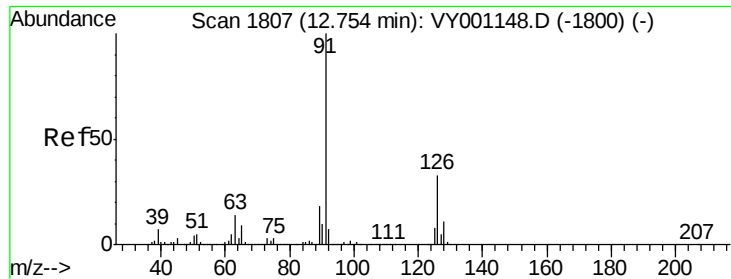
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.5	34.4



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.758 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 367964

Ion Ratio Lower Upper

91 100

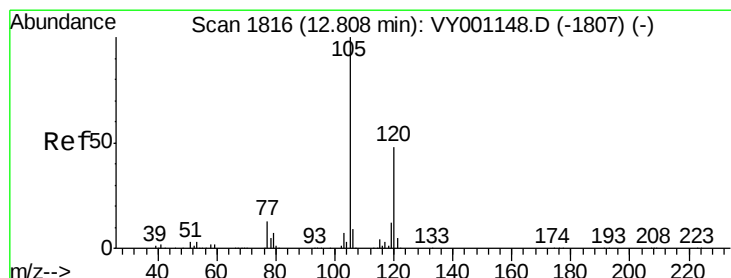
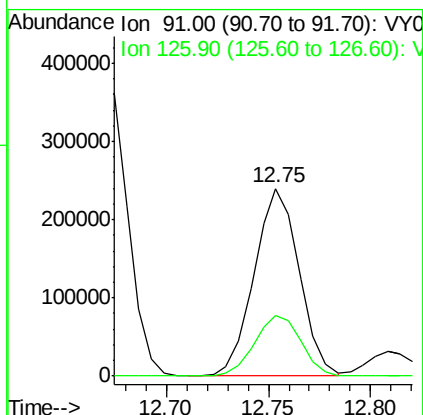
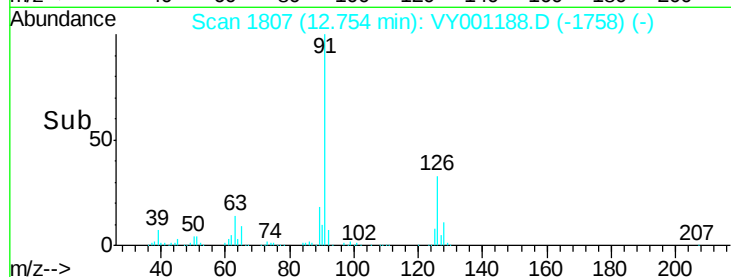
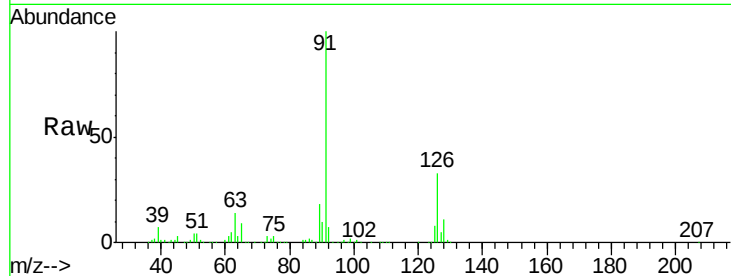
126 33.3 16.4 49.4

Manual Integrations

APPROVED

apatel

1/14/2020 12:48:08 PM



#80

1,3,5-Trimethylbenzene

Concen: 50.943 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. -0.00 min

Lab File: VY001188.D

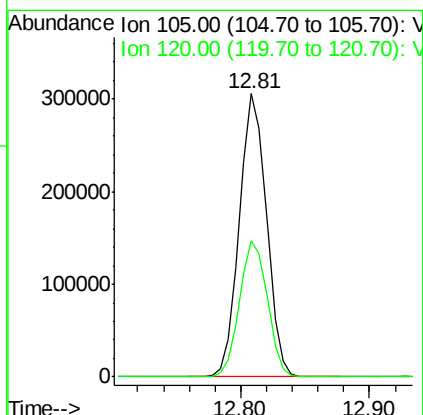
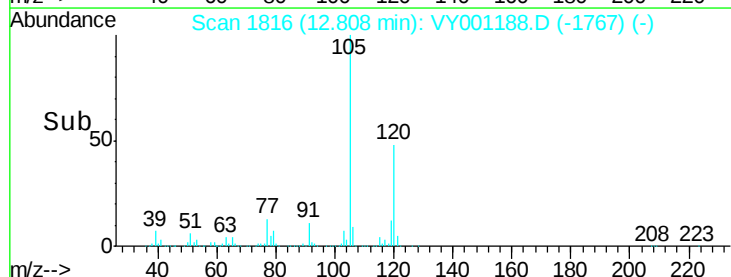
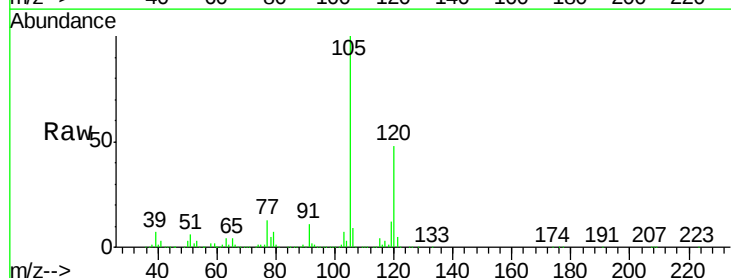
Acq: 13 Jan 2020 18:21

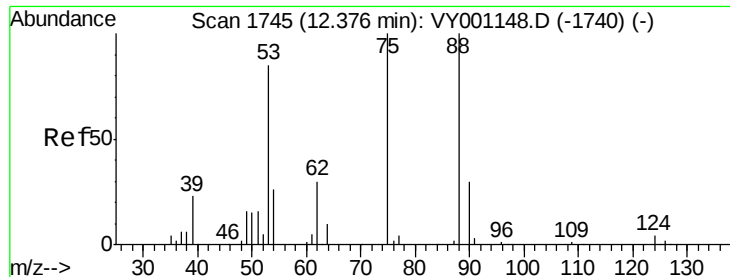
Tgt Ion: 105 Resp: 446063

Ion Ratio Lower Upper

105 100

120 49.1 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 51.308 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

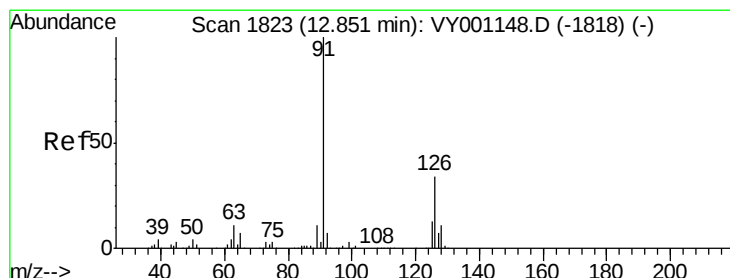
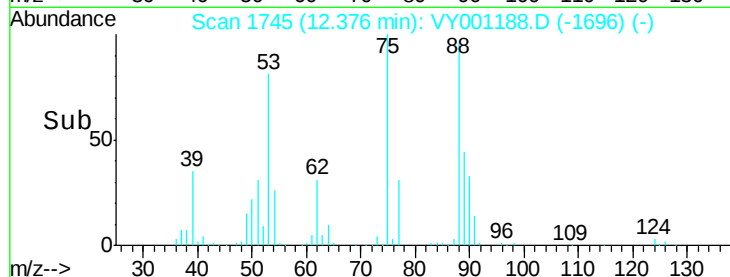
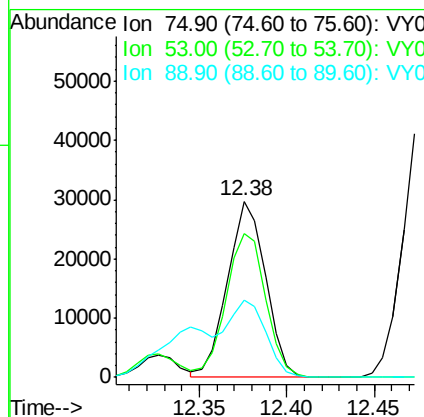
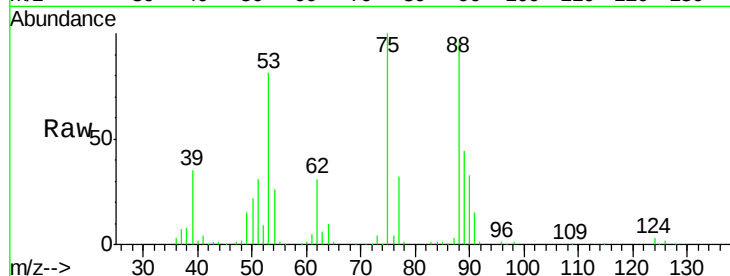
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	45213
Ion Ratio	Lower	Upper	
75	100		
53	83.9	69.4	104.2
89	44.7	0.0	0.0#

Manual Integrations
APPROVED

apatel
1/14/2020 12:48:08 PM



#82

4-Chlorotoluene

Concen: 50.049 ug/l

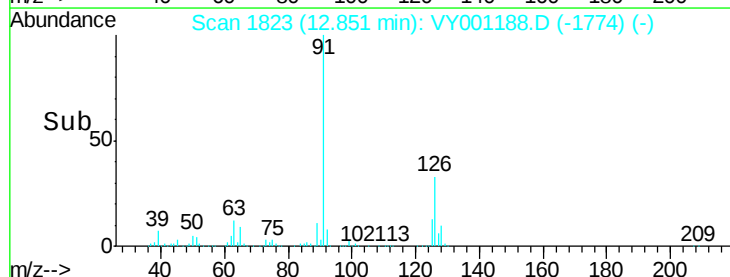
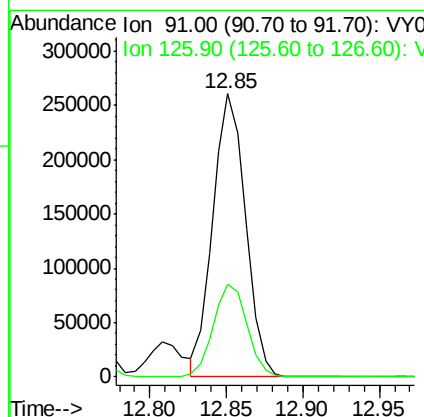
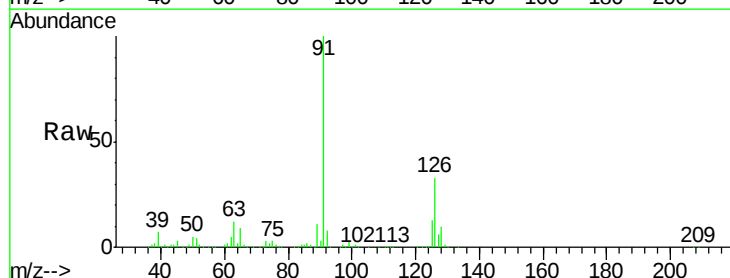
RT: 12.85 min Scan# 1823

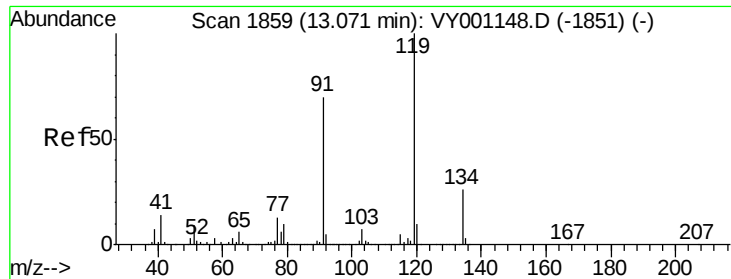
Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Tgt Ion:	91	Resp:	387339
Ion Ratio	Lower	Upper	
91	100		
126	33.6	16.3	48.8





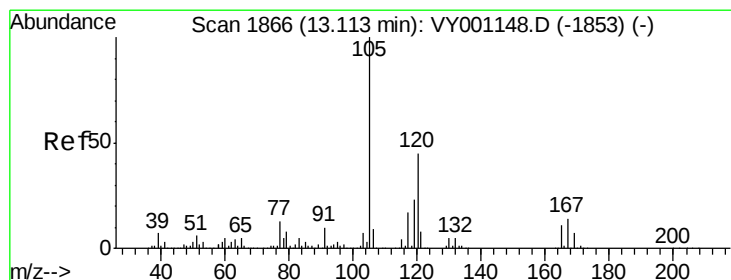
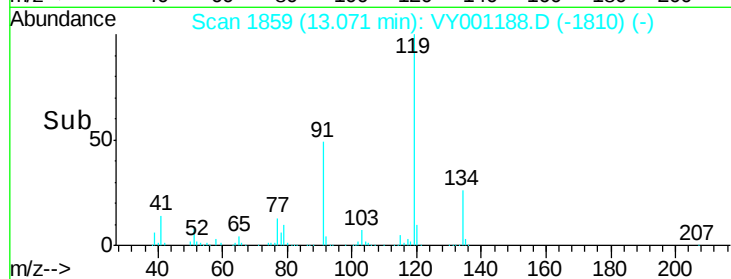
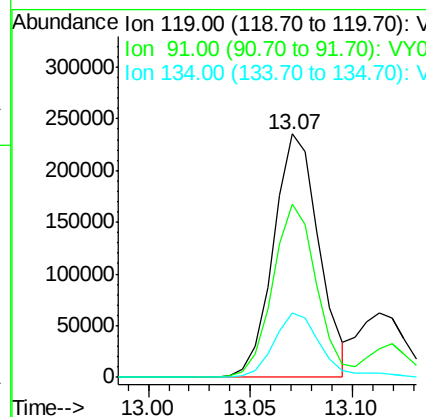
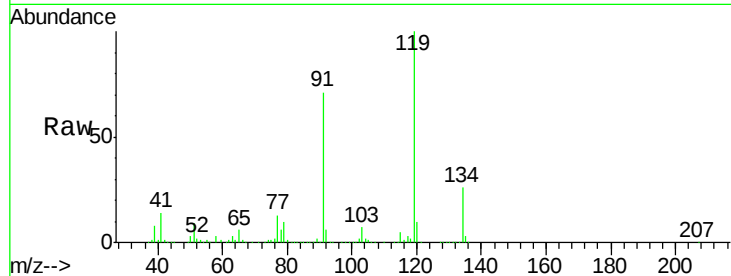
#83
tert-Butylbenzene
Concen: 49.756 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.0	33.9	101.7
134	27.5	13.5	40.4

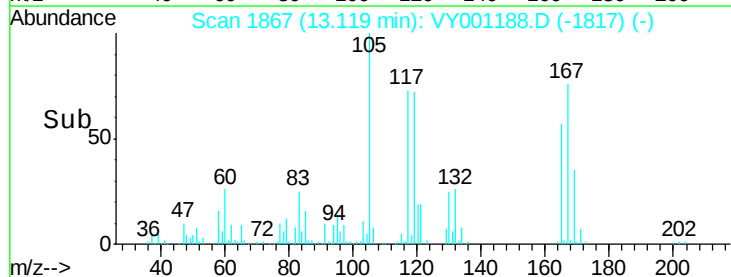
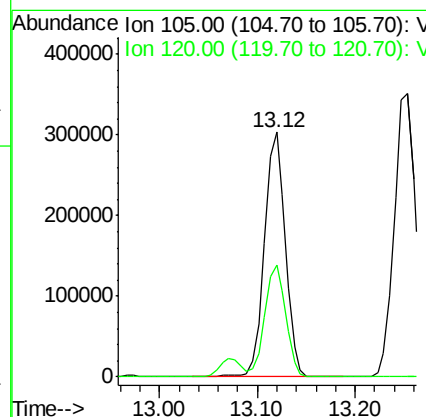
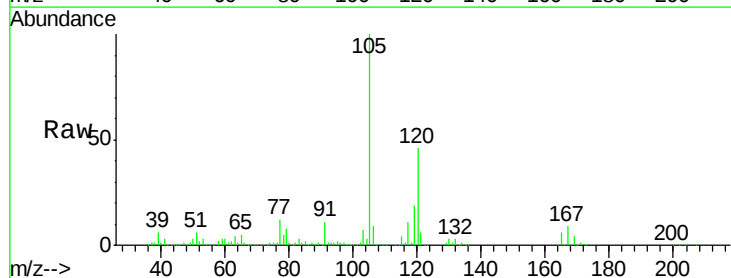
Manual Integrations
APPROVED

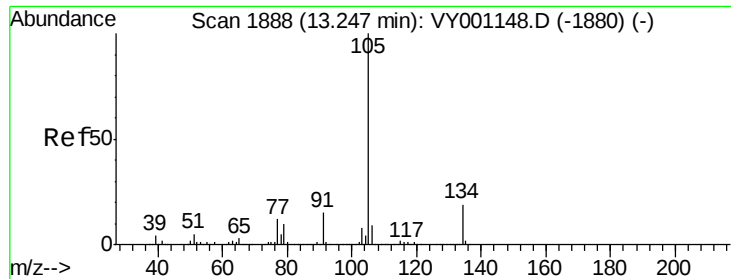
apatel
1/14/2020 12:48:08 PM



#84
1,2,4-Trimethylbenzene
Concen: 51.438 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.8	68.3





#85

sec-Butylbenzene

Concen: 50.524 ug/l

RT: 13.25 min Scan# 1889

Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 534764

Ion Ratio Lower Upper

105 100

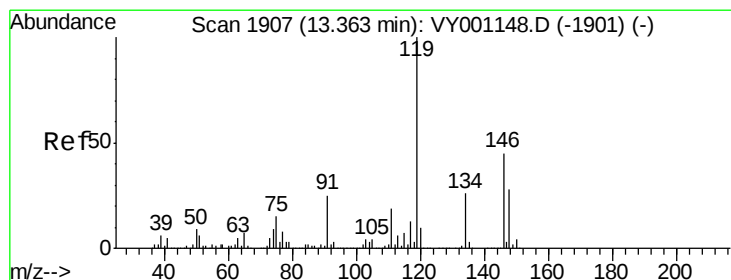
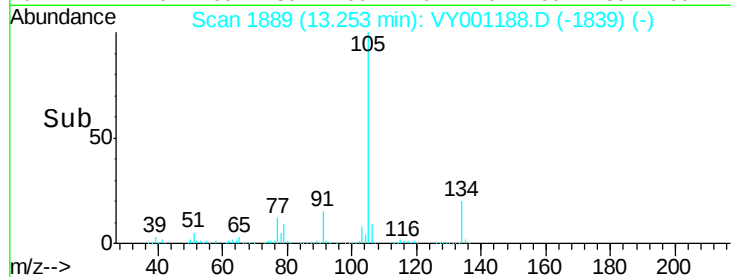
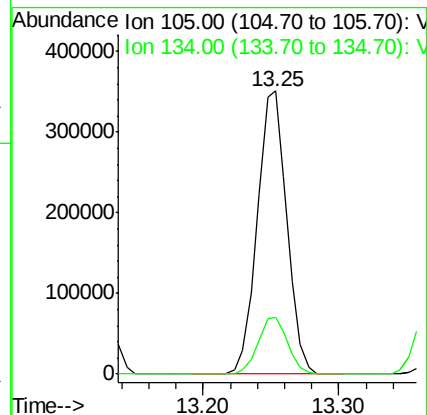
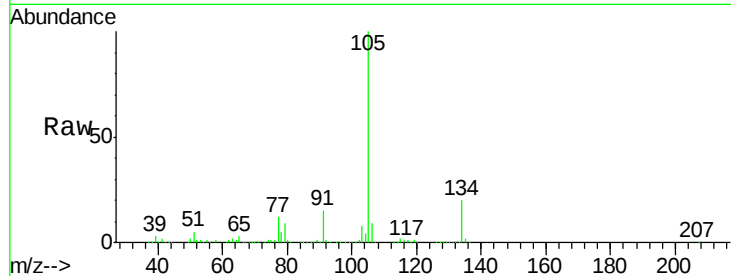
134 20.1 9.8 29.5

Manual Integrations

APPROVED

apatel

1/14/2020 12:48:08 PM



#86

p-Isopropyltoluene

Concen: 50.836 ug/l

RT: 13.37 min Scan# 1908

Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

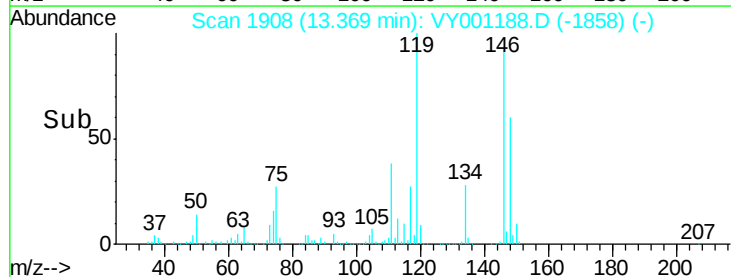
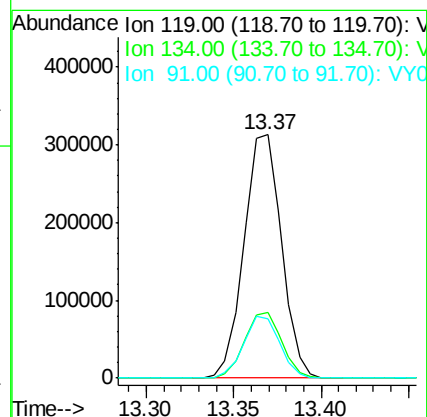
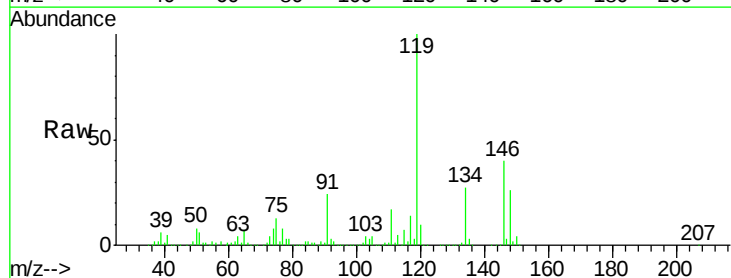
Tgt Ion:119 Resp: 467177

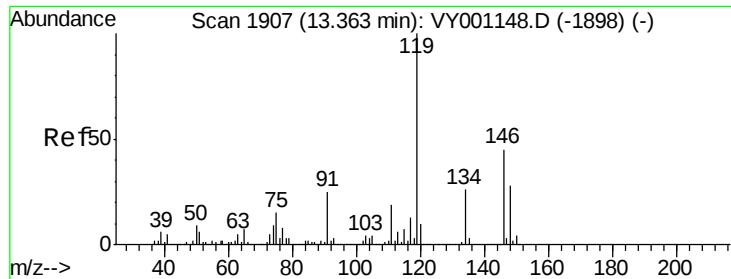
Ion Ratio Lower Upper

119 100

134 26.8 13.4 40.2

91 24.5 12.4 37.2





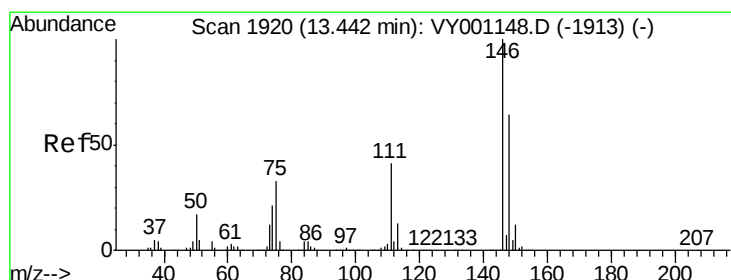
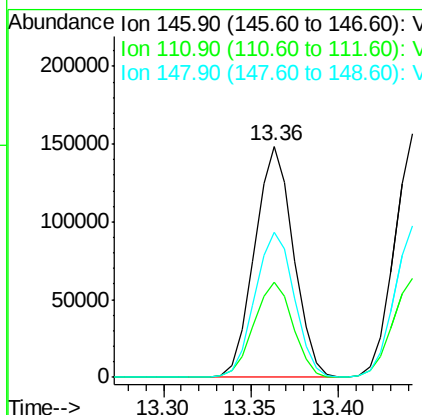
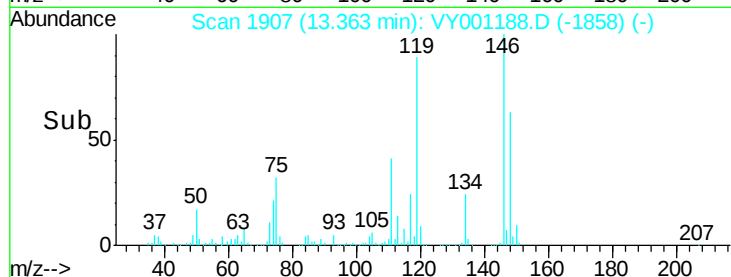
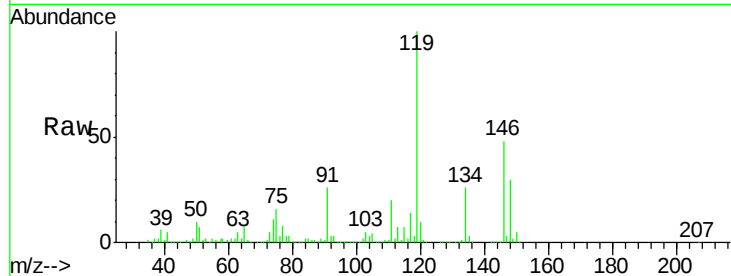
#87
 1,3-Dichlorobenzene
 Concen: 52.671 ug/l
 RT: 13.36 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	230982		
111	41.5	21.3	64.0	
148	63.4	31.9	95.5	

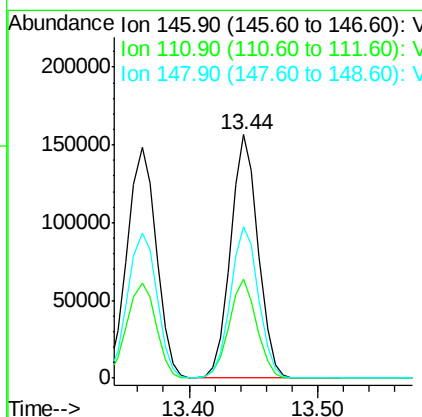
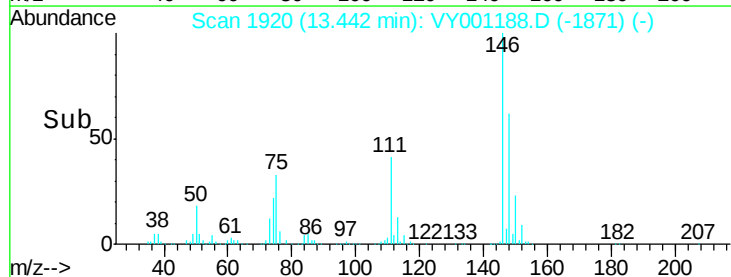
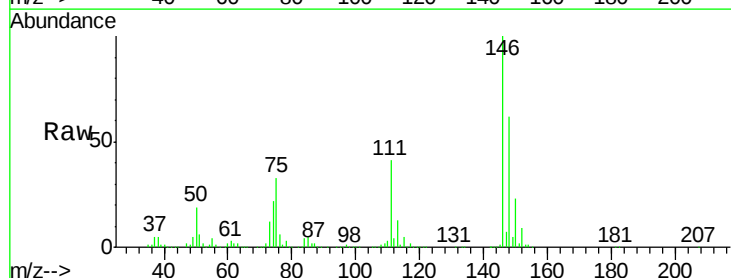
Manual Integrations
 APPROVED

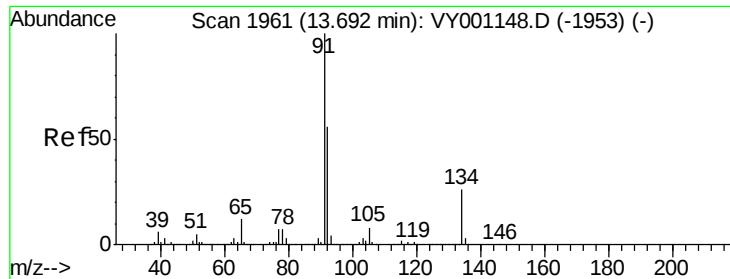
apatel
 1/14/2020 12:48:08 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.672 ug/l
 RT: 13.44 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	233217		
111	40.9	20.8	62.5	
148	63.2	32.0	96.2	





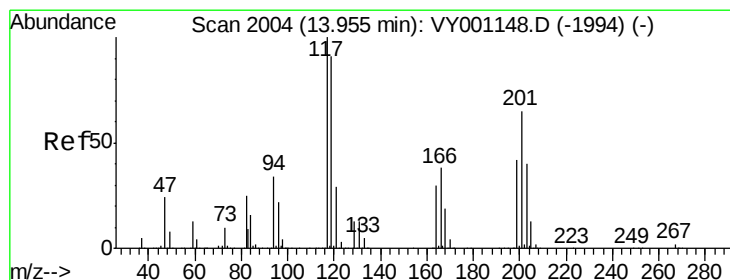
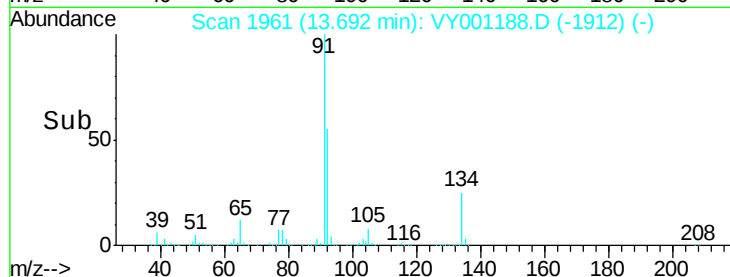
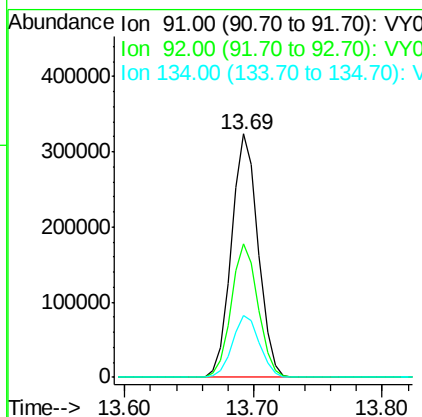
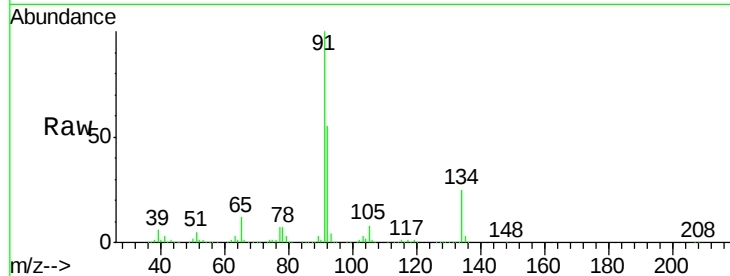
#89
n-Butylbenzene
Concen: 50.404 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.7	83.1
134	25.6	12.9	38.6

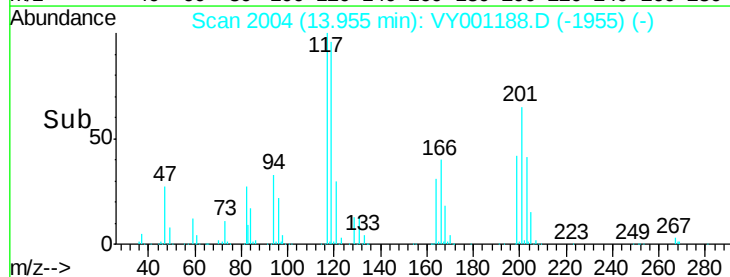
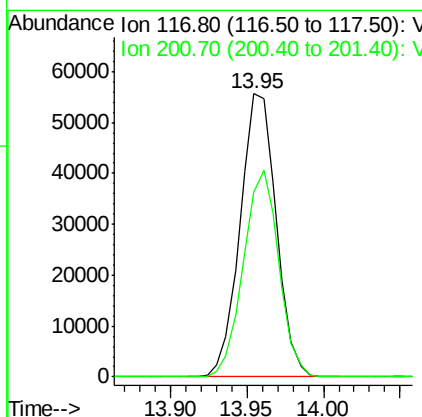
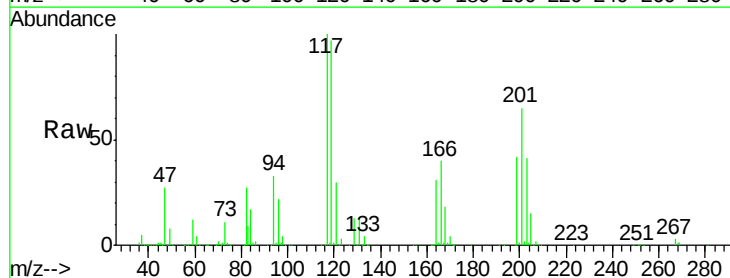
Manual Integrations
APPROVED

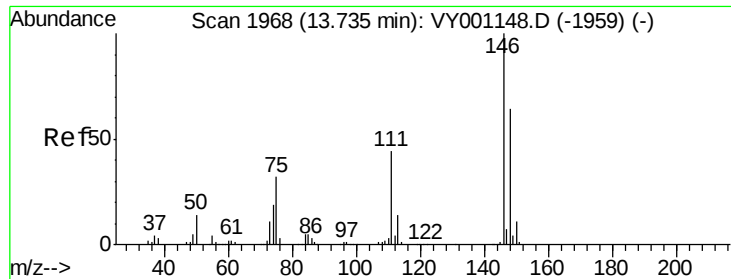
apatel
1/14/2020 12:48:08 PM



#90
Hexachloroethane
Concen: 50.818 ug/l
RT: 13.95 min Scan# 2004
Delta R.T. -0.00 min
Lab File: VY001188.D
Acq: 13 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.3	35.4	106.2





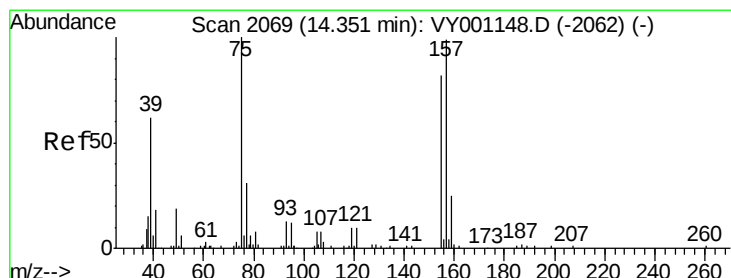
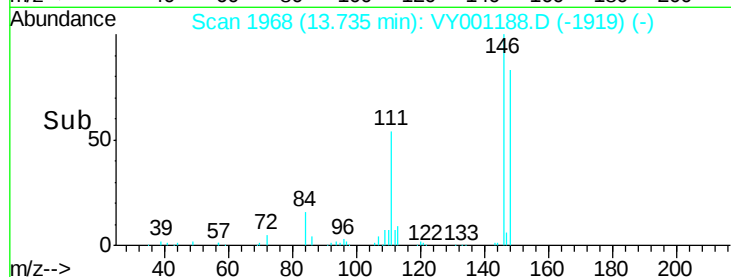
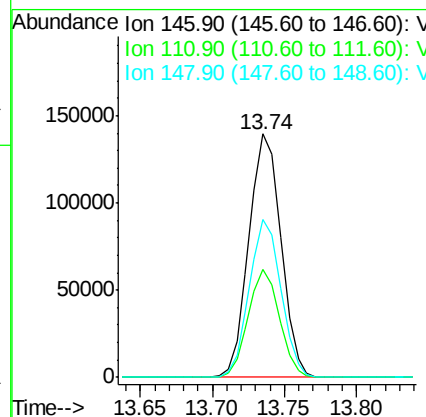
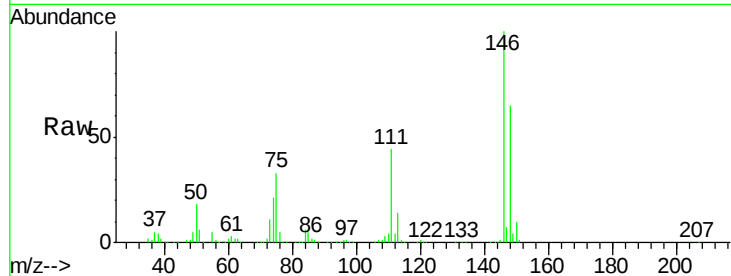
#91
 1,2-Dichlorobenzene
 Concen: 52.806 ug/l
 RT: 13.74 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.0	66.0
148	64.2	32.1	96.3

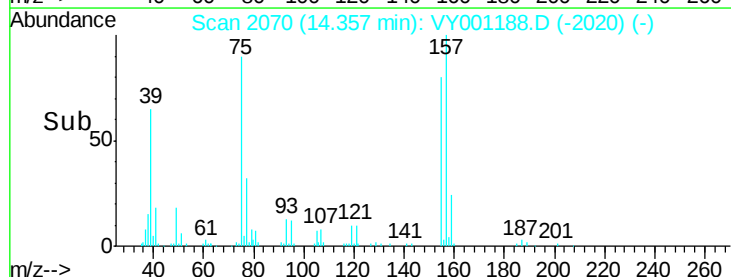
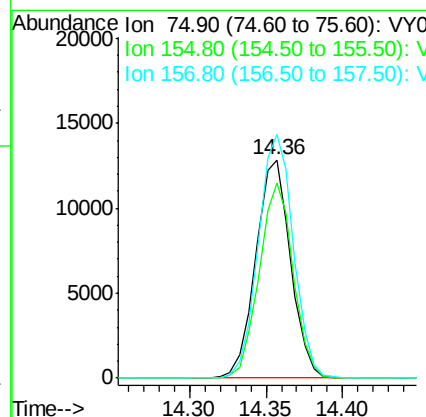
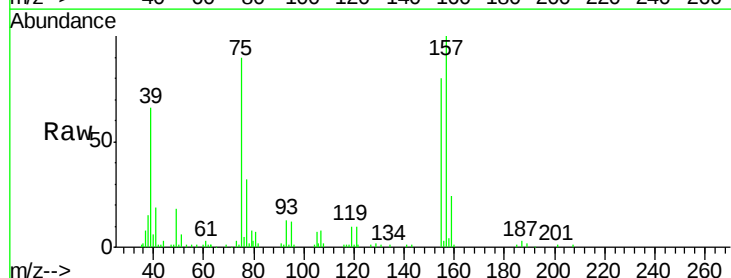
Manual Integrations
 APPROVED

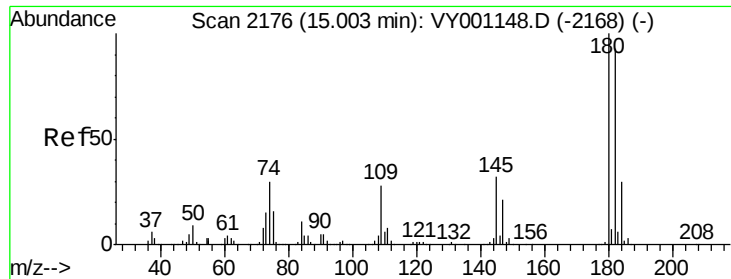
apatel
 1/14/2020 12:48:08 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.098 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.2	41.2	123.6
157	111.6	52.8	158.4





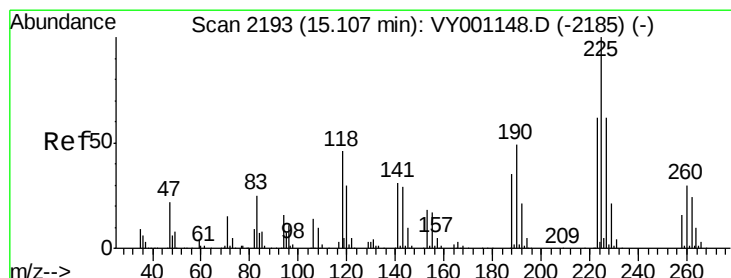
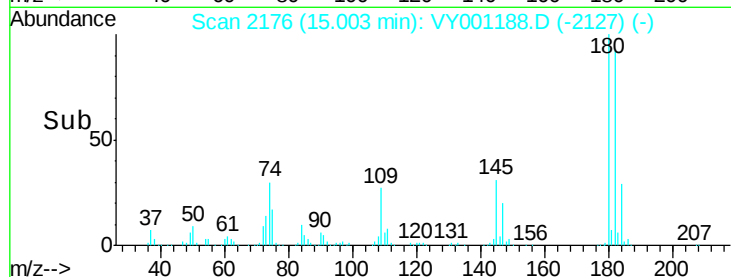
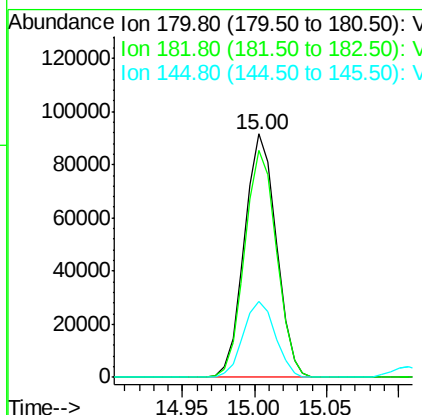
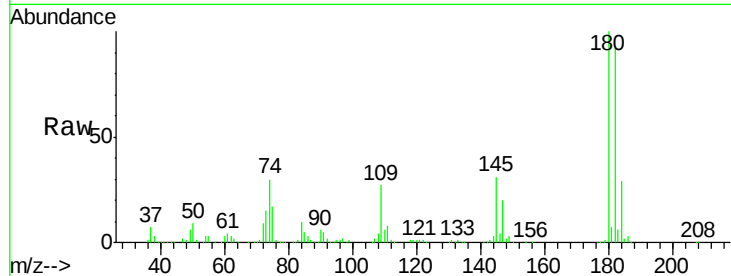
#93
 1,2,4-Trichlorobenzene
 Concen: 52.252 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	46.9	140.8
145	31.3	16.0	48.0

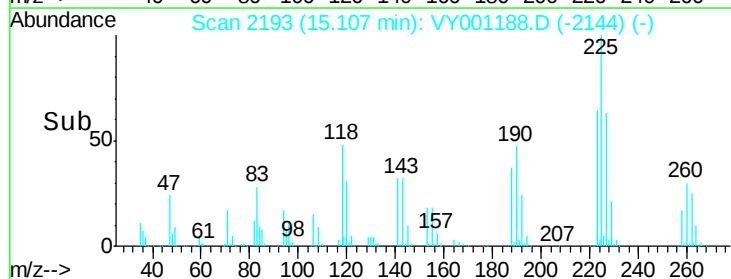
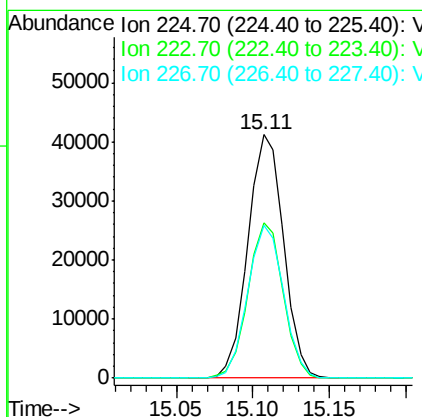
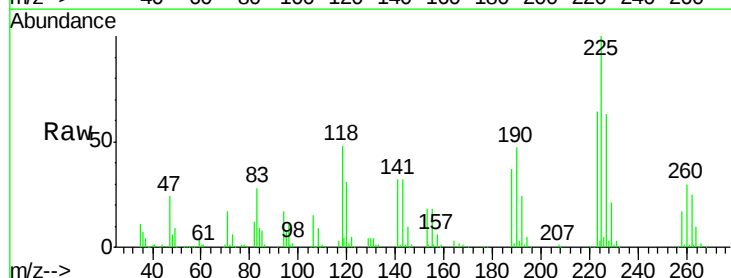
Manual Integrations
 APPROVED

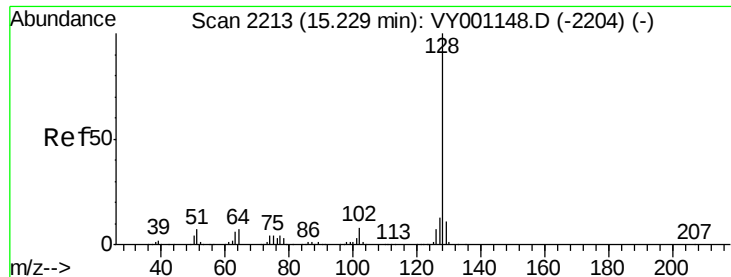
apatel
 1/14/2020 12:48:08 PM



#94
 Hexachlorobutadiene
 Concen: 49.484 ug/l
 RT: 15.11 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VY001188.D
 Acq: 13 Jan 2020 18:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.1	93.3
227	63.0	31.3	93.9





#95

Naphthalene

Concen: 54.095 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.01 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Instrument :

MSVOA_Y

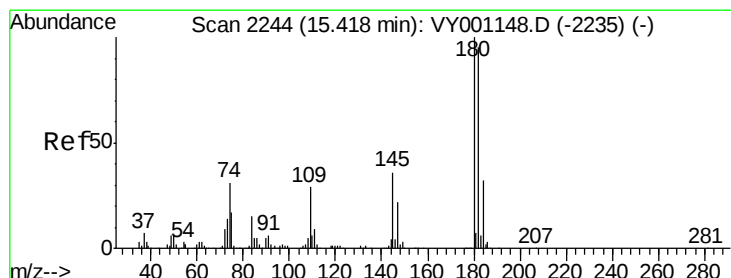
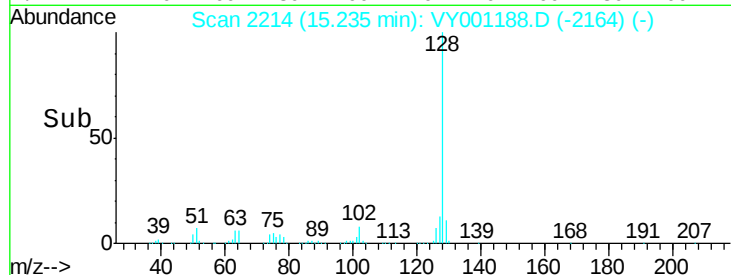
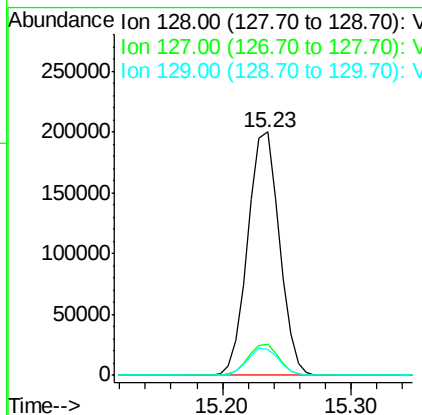
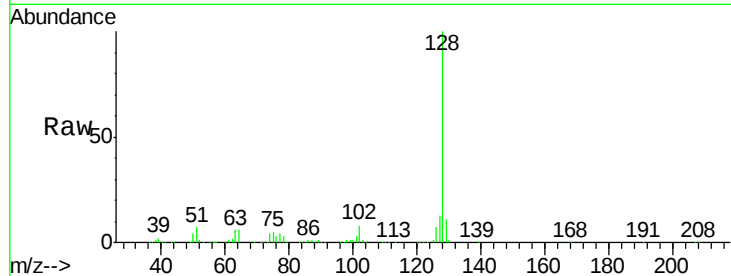
ClientSampleId :

VSTDCCC050EC

Tot Ion:128	Resp:	338179
Ion Ratio	Lower	Upper
128 100		
127 12.6	10.2	15.4
129 11.0	8.5	12.7

Manual Integrations
APPROVED

apatel
1/14/2020 12:48:08 PM



#96

1,2,3-Trichlorobenzene

Concen: 52.677 ug/l

RT: 15.42 min Scan# 2244

Delta R.T. -0.00 min

Lab File: VY001188.D

Acq: 13 Jan 2020 18:21

Tgt Ion:180	Resp:	124665
Ion Ratio	Lower	Upper
180 100		
182 93.7	47.5	142.5
145 34.0	17.1	51.3

