

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
 Data File : VY001126.D
 Acq On : 30 Dec 2019 16:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/31/2019 12:08:49 PM

Quant Time: Dec 31 06:42:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.80	168	334944	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.69	114	542627	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.49	117	481657	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.42	152	229764	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.14	65	138493	41.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.84%	
35) Dibromofluoromethane	7.72	113	144075	45.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.18%	
50) Toluene-d8	10.18	98	600734	48.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.22%	
62) 4-Bromofluorobenzene	12.48	95	209605	45.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.82%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.91	85	91993	31.519	ug/l	99
3) Chloromethane	2.12	50	73095	18.401	ug/l	95
4) Vinyl Chloride	2.26	62	81987	21.253	ug/l	97
5) Bromomethane	2.65	94	61545	24.257	ug/l	93
6) Chloroethane	2.79	64	51606	21.479	ug/l	97
7) Trichlorofluoromethane	3.13	101	201540	35.620	ug/l	99
8) Diethyl Ether	3.54	74	56909	24.640	ug/l	79
9) 1,1,2-Trichlorotrifluoroet	3.90	101	109003	29.328	ug/l #	89
10) Methyl Iodide	4.09	142	164050	31.947	ug/l	92
11) Tert butyl alcohol	4.96	59	39349	108.331	ug/l	99
12) 1,1-Dichloroethene	3.88	96	99416	26.420	ug/l	95
13) Acrolein	3.73	56	45554	101.220	ug/l	99
14) Allyl chloride	4.49	41	117306	20.068	ug/l #	81
15) Acrylonitrile	5.17	53	111825	96.877	ug/l	96
16) Acetone	3.95	43	85417	112.238	ug/l	90
17) Carbon Disulfide	4.20	76	230023	18.707	ug/l #	93
18) Methyl Acetate	4.48	43	51427	17.614	ug/l	90
19) Methyl tert-butyl Ether	5.22	73	277316	28.554	ug/l	91
20) Methylene Chloride	4.72	84	115257	25.730	ug/l #	85
21) trans-1,2-Dichloroethene	5.22	96	115659	27.735	ug/l #	94
22) Diisopropyl ether	6.13	45	271089	22.944	ug/l #	91
23) Vinyl Acetate	6.07	43	816073	109.365	ug/l #	91
24) 1,1-Dichloroethane	6.03	63	182048	26.073	ug/l	97
25) 2-Butanone	6.99	43	133399	99.779	ug/l #	89
26) 2,2-Dichloropropane	6.99	77	194994	33.991	ug/l	99
27) cis-1,2-Dichloroethene	6.99	96	145568	31.773	ug/l	92
28) Bromochloromethane	7.34	49	70238	25.782	ug/l #	57
29) Tetrahydrofuran	7.35	42	90352	95.007	ug/l #	81
30) Chloroform	7.52	83	251183	38.044	ug/l	98
31) Cyclohexane	7.79	56	196526	26.767	ug/l #	80
32) 1,1,1-Trichloroethane	7.71	97	258024	45.813	ug/l	96
36) 1,1-Dichloropropene	7.93	75	205748	39.746	ug/l	94
37) Ethyl Acetate	7.08	43	63789	22.254	ug/l #	97
38) Carbon Tetrachloride	7.91	117	238919	52.678	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
 Data File : VY001126.D
 Acq On : 30 Dec 2019 16:48
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/31/2019 12:08:49 PM

Quant Time: Dec 31 06:42:09 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 23 12:07:44 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	264485	38.474	ug/l	91
40) Benzene	8.16	78	638430	40.880	ug/l	99
41) Methacrylonitrile	7.33	41	39714m	31.958	ug/l	
42) 1,2-Dichloroethane	8.24	62	167060	44.743	ug/l	99
43) Isopropyl Acetate	8.28	43	161541	30.444	ug/l #	92
44) Trichloroethene	8.94	130	195674	47.554	ug/l	94
45) 1,2-Dichloropropane	9.22	63	147384	37.619	ug/l	98
46) Dibromomethane	9.31	93	87681	43.415	ug/l	90
47) Bromodichloromethane	9.50	83	216276	46.232	ug/l	98
48) Methyl methacrylate	9.29	41	71454	31.557	ug/l	84
49) 1,4-Dioxane	9.30	88	23025	779.366	ug/l #	86
51) 4-Methyl-2-Pentanone	10.07	43	401338	145.118	ug/l	94
52) Toluene	10.24	92	426792	44.401	ug/l	99
53) t-1,3-Dichloropropene	10.46	75	222110	43.748	ug/l	100
54) cis-1,3-Dichloropropene	9.93	75	253903	41.590	ug/l	99
55) 1,1,2-Trichloroethane	10.64	97	132473	43.938	ug/l	88
56) Ethyl methacrylate	10.51	69	165971	38.678	ug/l	93
57) 1,3-Dichloropropane	10.79	76	220762	41.773	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.78	63	279701	168.761	ug/l	90
59) 2-Hexanone	10.83	43	290915	152.022	ug/l	95
60) Dibromochloromethane	10.99	129	166195	51.604	ug/l	99
61) 1,2-Dibromoethane	11.09	107	130664	45.320	ug/l	99
64) Tetrachloroethene	10.72	164	207014	49.674	ug/l	98
65) Chlorobenzene	11.52	112	478967	47.940	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.59	131	176754	53.609	ug/l	98
67) Ethyl Benzene	11.59	91	858082	47.749	ug/l	99
68) m/p-Xylenes	11.70	106	694281	101.750	ug/l	99
69) o-Xylene	12.03	106	337585	52.590	ug/l	100
70) Styrene	12.04	104	552301	50.600	ug/l	100
71) Bromoform	12.20	173	96879	52.770	ug/l #	98
73) Isopropylbenzene	12.33	105	850629	47.841	ug/l	98
74) N-amyl acetate	12.14	43	157353	33.687	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.58	83	135923	38.805	ug/l	98
76) 1,2,3-Trichloropropane	12.63	75	99016m	34.957	ug/l	
77) Bromobenzene	12.61	156	200355	50.103	ug/l	87
78) n-propylbenzene	12.67	91	1003781	46.332	ug/l	97
79) 2-Chlorotoluene	12.75	91	572417	47.843	ug/l	100
80) 1,3,5-Trimethylbenzene	12.81	105	775089	53.182	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.38	75	52722	39.697	ug/l	98
82) 4-Chlorotoluene	12.85	91	574470	46.227	ug/l	97
83) tert-Butylbenzene	13.07	119	615346	50.297	ug/l	98
84) 1,2,4-Trimethylbenzene	13.12	105	897145	61.257	ug/l	100
85) sec-Butylbenzene	13.25	105	866288	48.031	ug/l	98
86) p-Isopropyltoluene	13.37	119	783580	50.209	ug/l	99
87) 1,3-Dichlorobenzene	13.36	146	383947	49.992	ug/l	100
88) 1,4-Dichlorobenzene	13.44	146	382186	49.330	ug/l	99
89) n-Butylbenzene	13.69	91	747264	47.591	ug/l	96
90) Hexachloroethane	13.96	117	146694	49.891	ug/l	91
91) 1,2-Dichlorobenzene	13.73	146	344020	48.559	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	23526	40.145	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
Data File : VY001126.D
Acq On : 30 Dec 2019 16:48
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

apatel
12/31/2019 12:08:49 PM

Quant Time: Dec 31 06:42:09 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 12:07:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.00	180	231012	48.310	ug/l	97
94) Hexachlorobutadiene	15.11	225	119329	52.440	ug/l	99
95) Naphthalene	15.23	128	512684	45.589	ug/l	99
96) 1,2,3-Trichlorobenzene	15.42	180	200484	47.013	ug/l	97

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

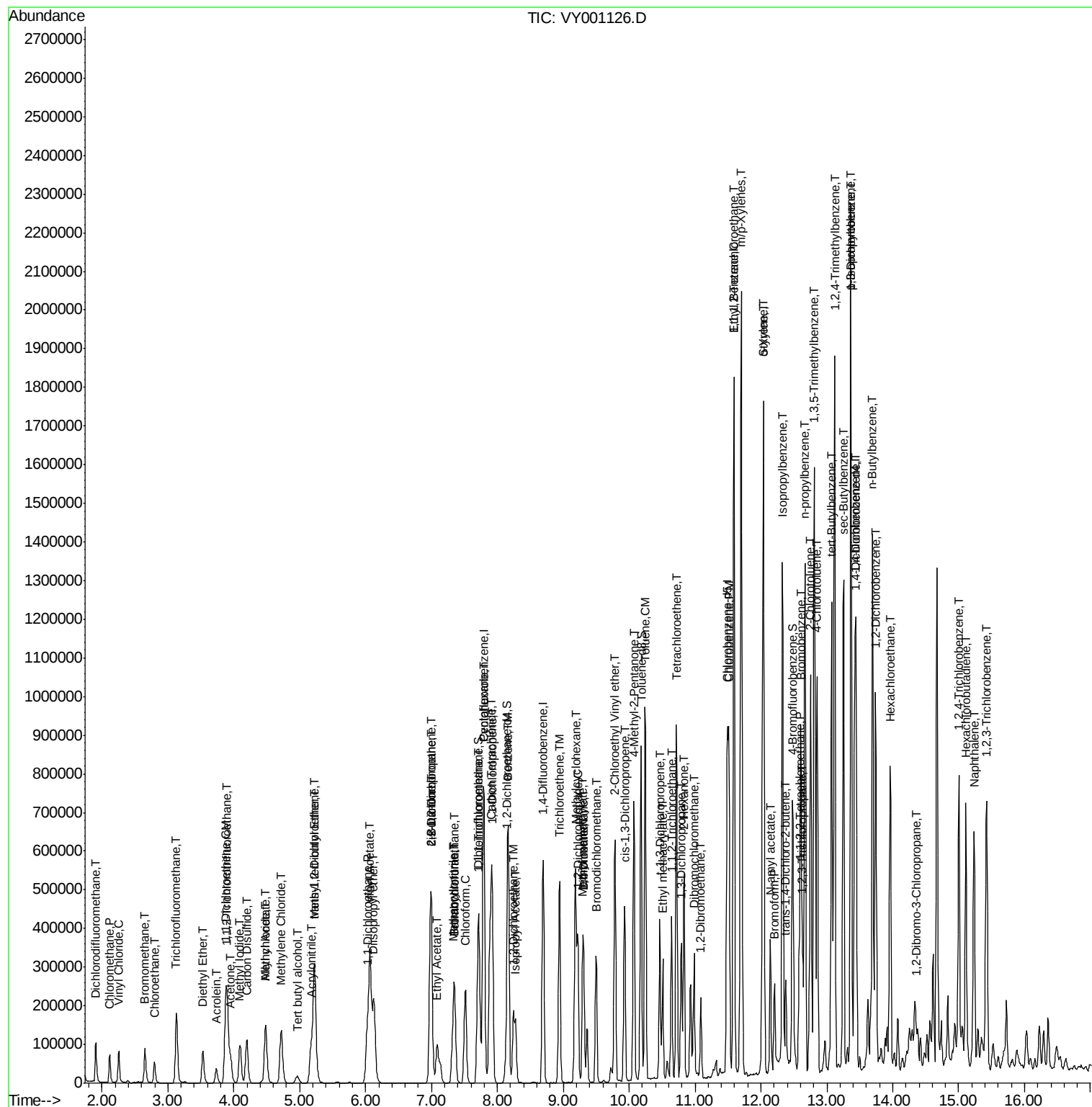
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA Y\DATA\VY123019\
Data File : VY001126.D
Acq On : 30 Dec 2019 16:48
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.00G/5ML/MSVOA Y/SOIL
ALS Vial : 11 Sample Multiplier: 1

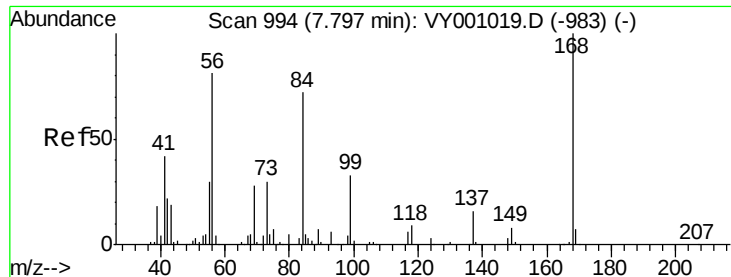
Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

apatel
12/31/2019 12:08:49 PM

Quant Time: Dec 31 06:42:09 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_Y\METHODS\82Y122319S.M
Quant Title : SW846 8260
QLast Update : Mon Dec 23 12:07:44 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.80 min Scan# 994

Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 334944

Ion Ratio Lower Upper

168 100

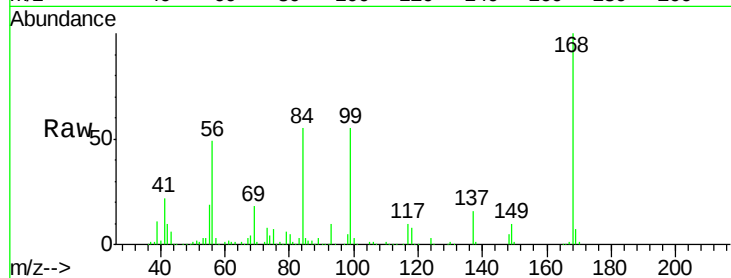
99 55.2 44.0 66.0

Manual Integrations

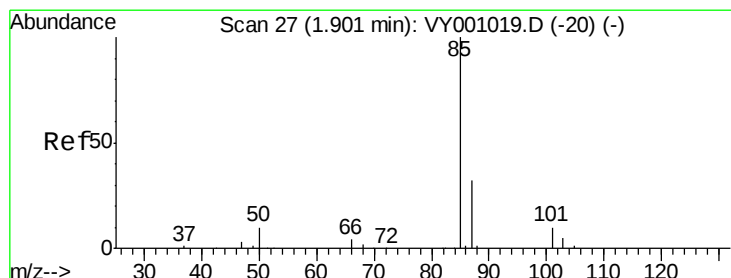
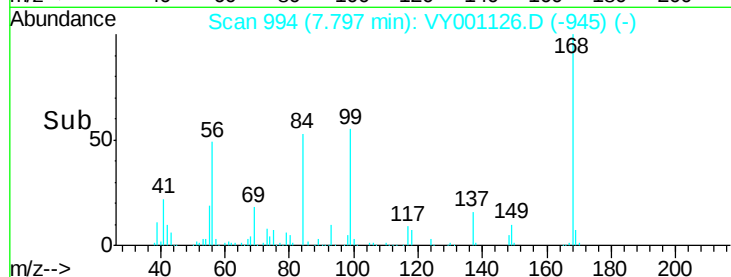
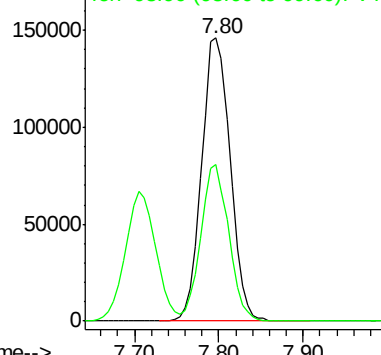
APPROVED

apatel

12/31/2019 12:08:49 PM



Abundance Ion 167.90 (167.60 to 168.60): VY001126.D (-945) (-)



#2

Dichlorodifluoromethane

Concen: 31.519 ug/l

RT: 1.91 min Scan# 28

Delta R.T. 0.01 min

Lab File: VY001126.D

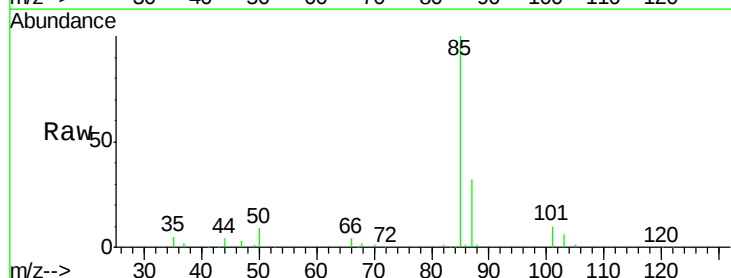
Acq: 30 Dec 2019 16:48

Tgt Ion: 85 Resp: 91993

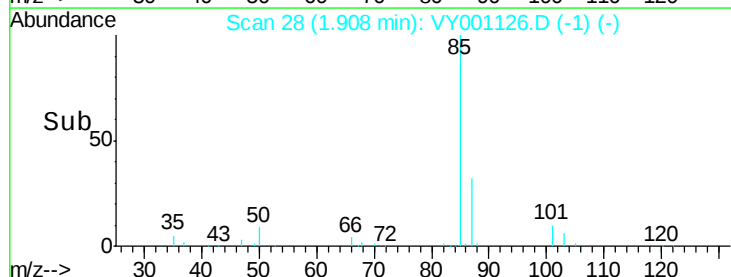
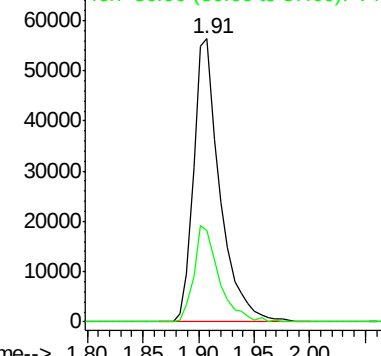
Ion Ratio Lower Upper

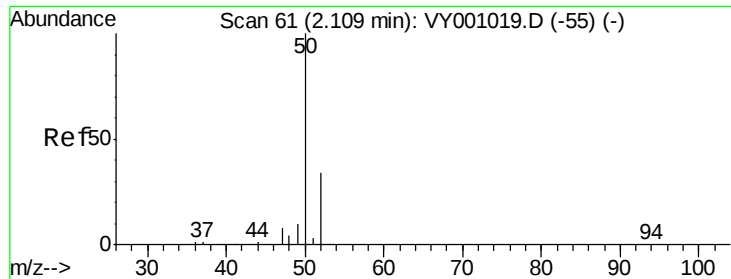
85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VY001126.D (-1) (-)





#3

Chloromethane

Concen: 18.401 ug/l

RT: 2.12 min Scan# 62

Delta R.T. 0.01 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 73095

Ion Ratio Lower Upper

50 100

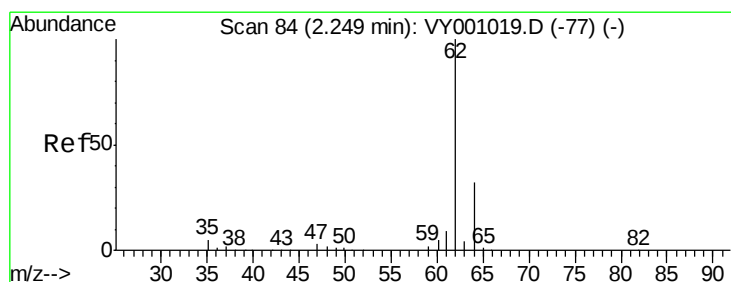
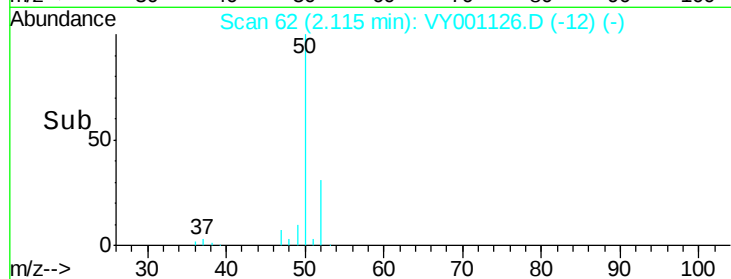
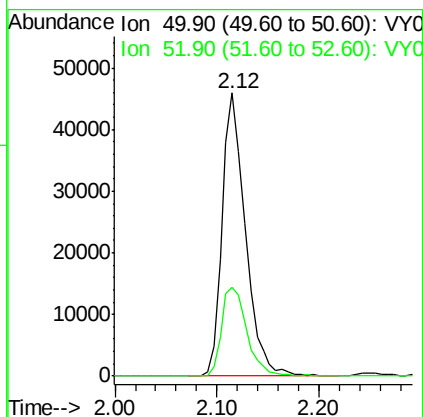
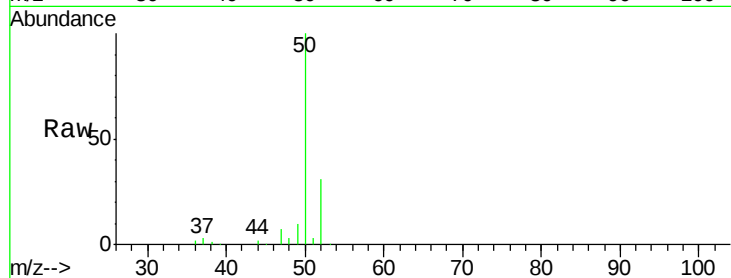
52 31.2 27.1 40.7

Manual Integrations

APPROVED

apatel

12/31/2019 12:08:49 PM



#4

Vinyl Chloride

Concen: 21.253 ug/l

RT: 2.26 min Scan# 85

Delta R.T. 0.01 min

Lab File: VY001126.D

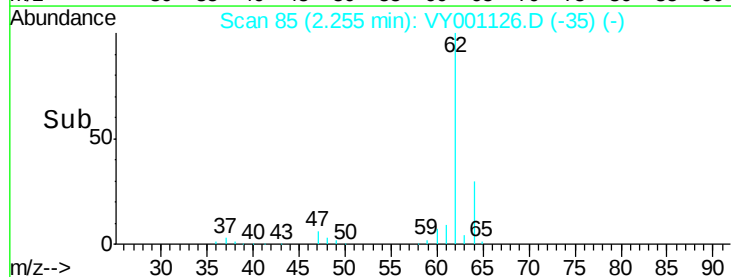
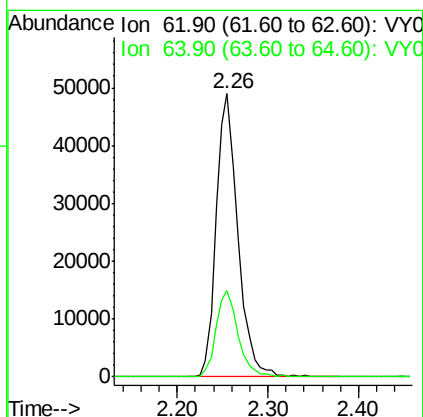
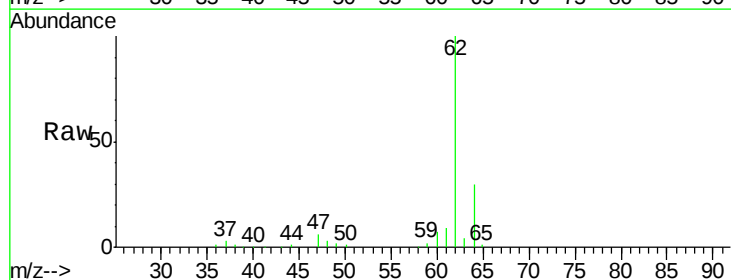
Acq: 30 Dec 2019 16:48

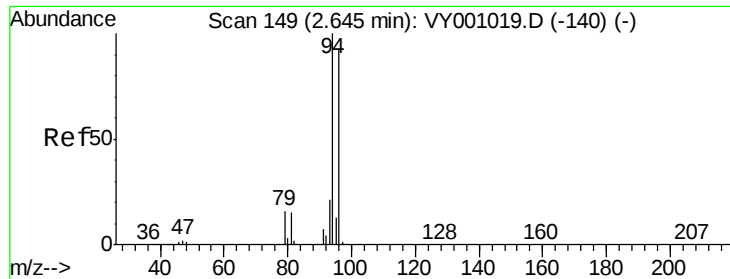
Tgt Ion: 62 Resp: 81987

Ion Ratio Lower Upper

62 100

64 30.5 25.6 38.4





#5

Bromomethane

Concen: 24.257 ug/l

RT: 2.65 min Scan# 150

Delta R.T. 0.01 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 61545

Ion Ratio Lower Upper

94 100

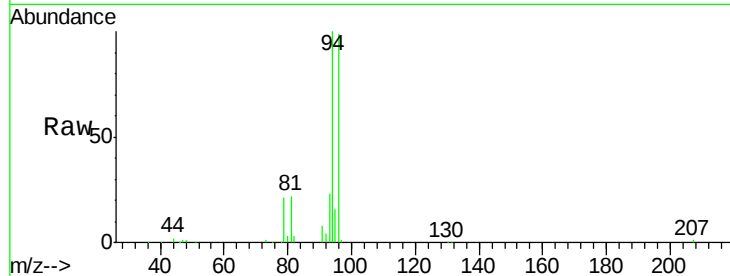
96 99.4 74.2 111.4

Manual Integrations

APPROVED

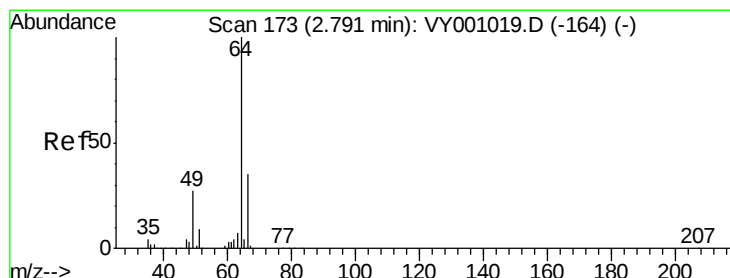
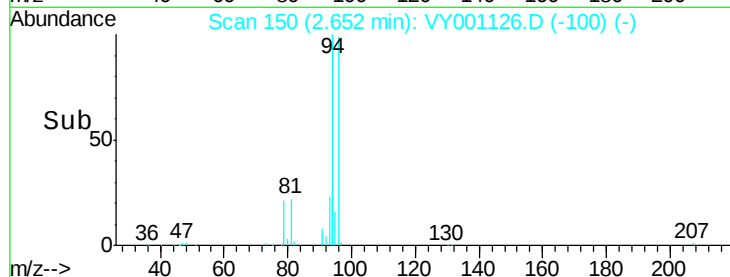
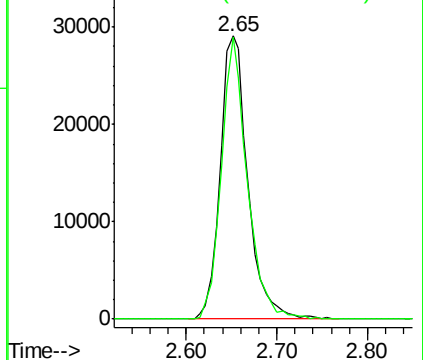
apatel

12/31/2019 12:08:49 PM



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 21.479 ug/l

RT: 2.79 min Scan# 173

Delta R.T. 0.00 min

Lab File: VY001126.D

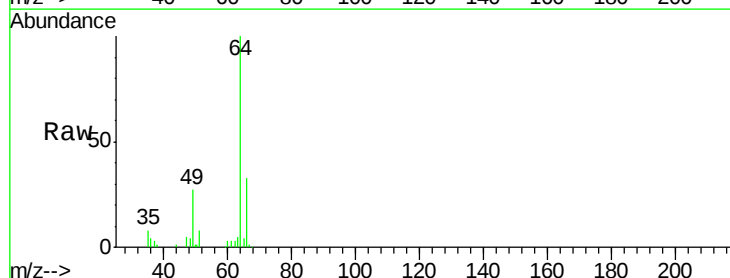
Acq: 30 Dec 2019 16:48

Tgt Ion: 64 Resp: 51606

Ion Ratio Lower Upper

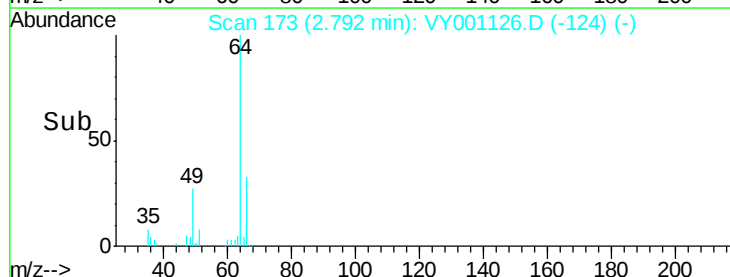
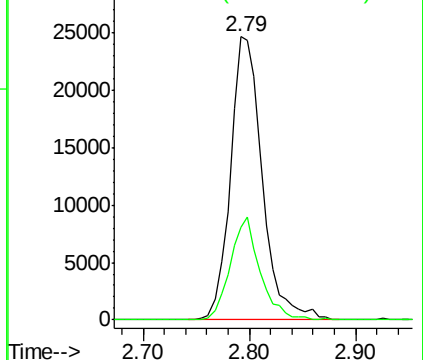
64 100

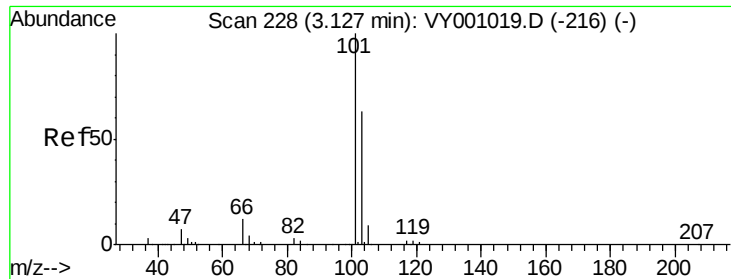
66 32.9 27.8 41.6



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0





#7

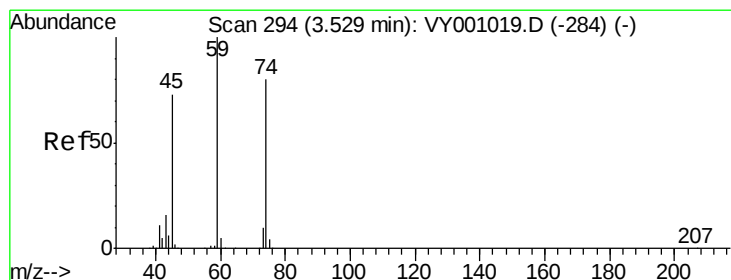
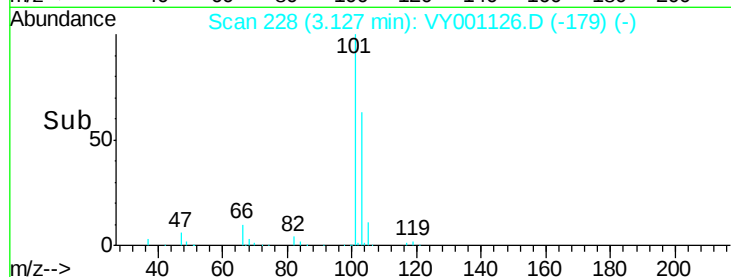
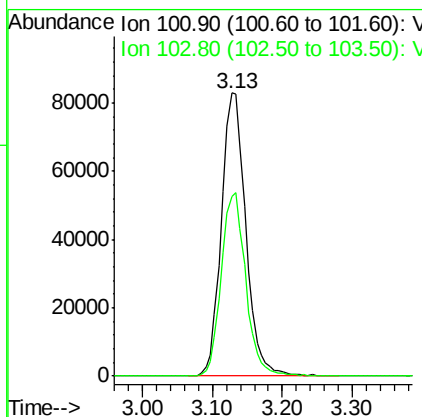
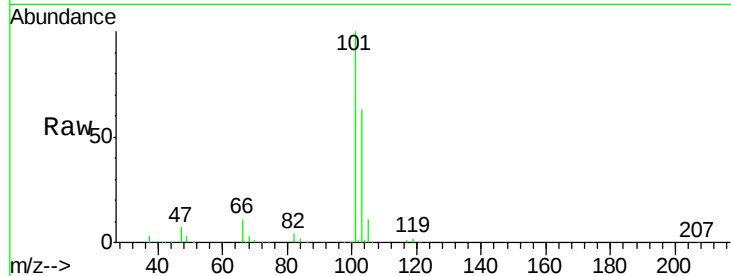
Trichlorofluoromethane
Concen: 35.620 ug/l
RT: 3.13 min Scan# 228
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	50.2	75.2

Manual Integrations
APPROVED

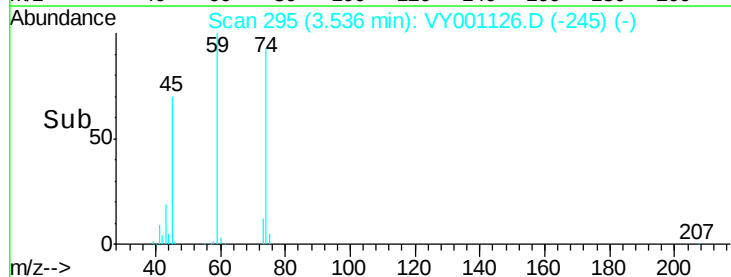
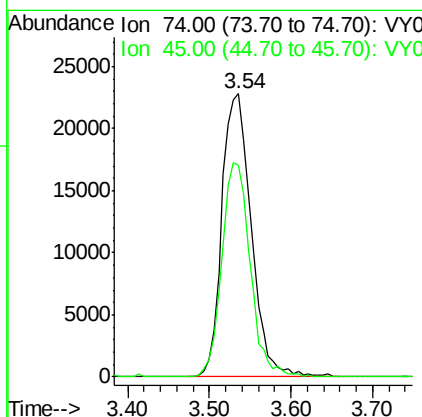
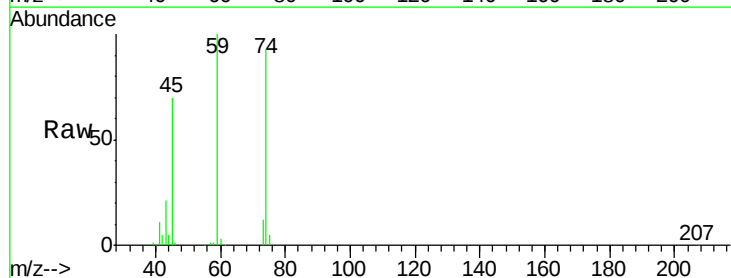
apatel
12/31/2019 12:08:49 PM

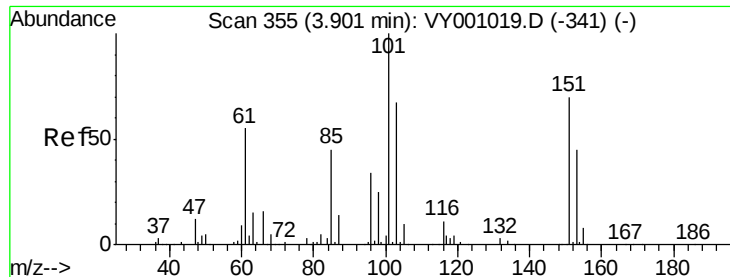


#8

Diethyl Ether
Concen: 24.640 ug/l
RT: 3.54 min Scan# 295
Delta R.T. 0.01 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	72.8	46.4	139.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 29.328 ug/l

RT: 3.90 min Scan# 355

Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Instrument :

MSVOA_Y

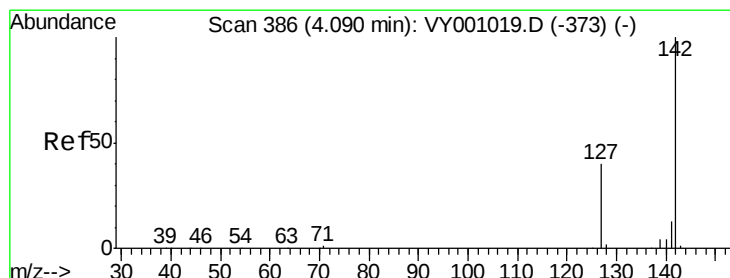
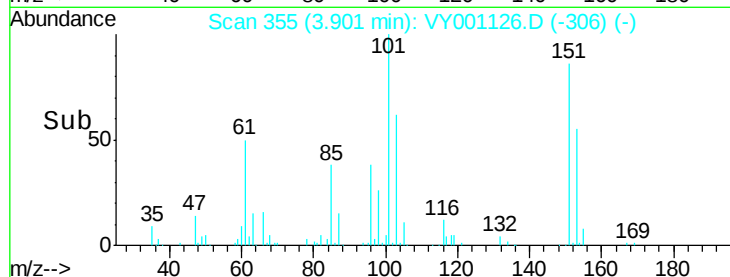
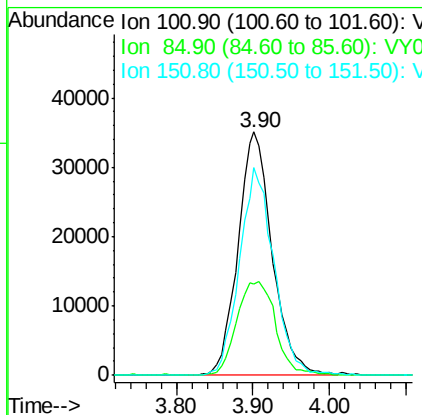
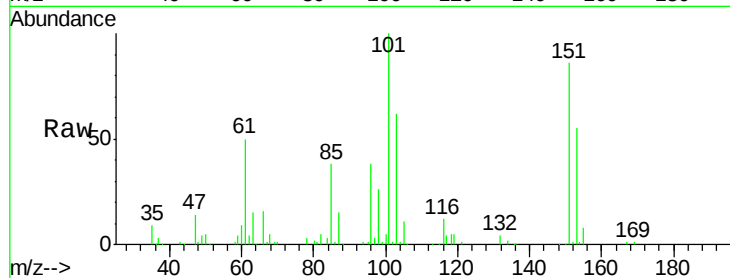
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	109003
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.2	51.2
151	85.7	57.0	85.6#

Manual Integrations
APPROVED

apatel
12/31/2019 12:08:49 PM



#10

Methyl Iodide

Concen: 31.947 ug/l

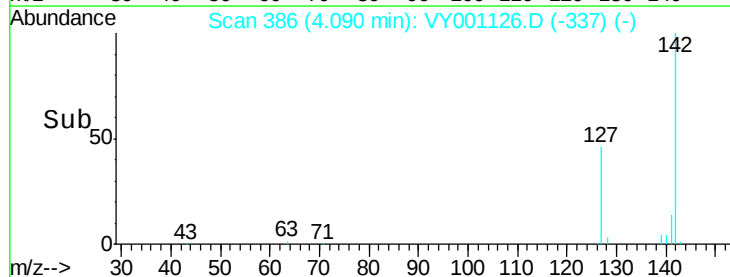
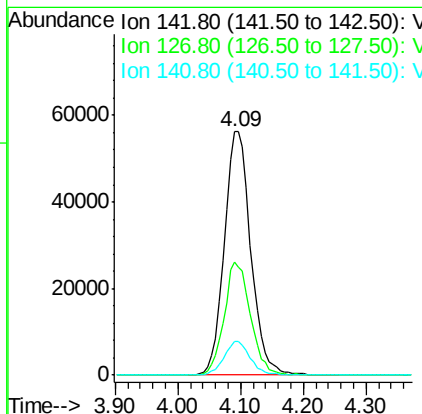
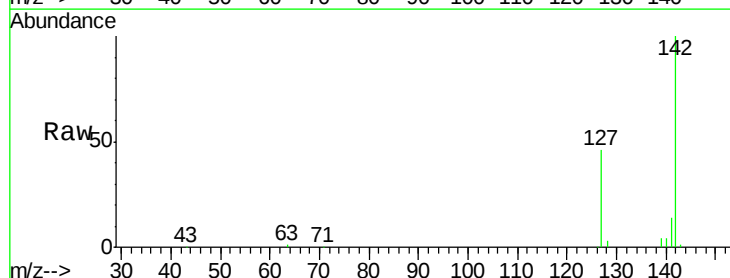
RT: 4.09 min Scan# 386

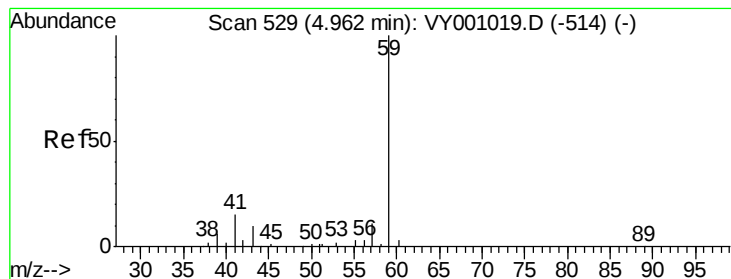
Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Tgt Ion:	142	Resp:	164050
Ion Ratio	Lower	Upper	
142	100		
127	45.8	31.2	46.8
141	13.6	11.0	16.4





#11

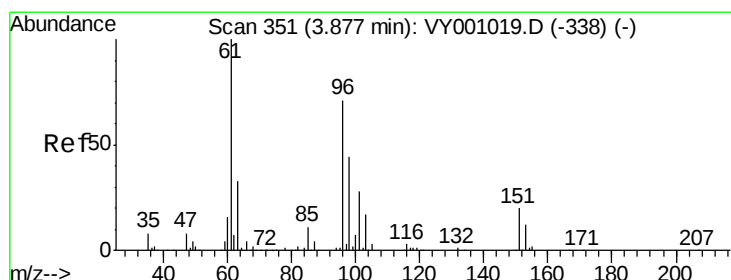
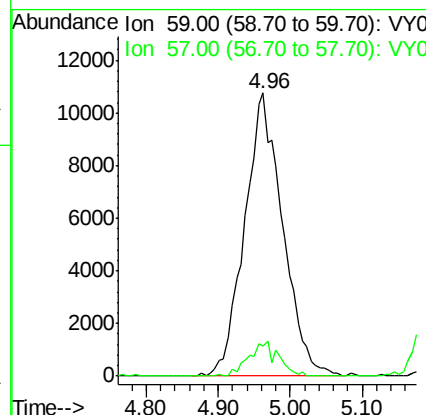
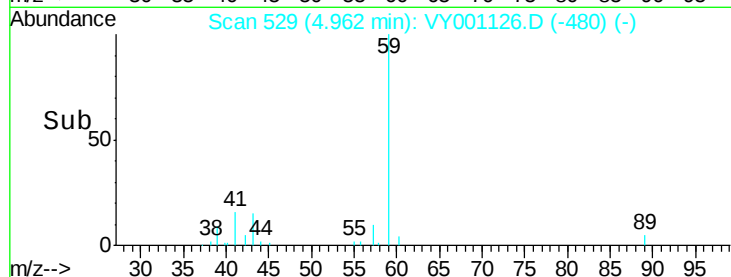
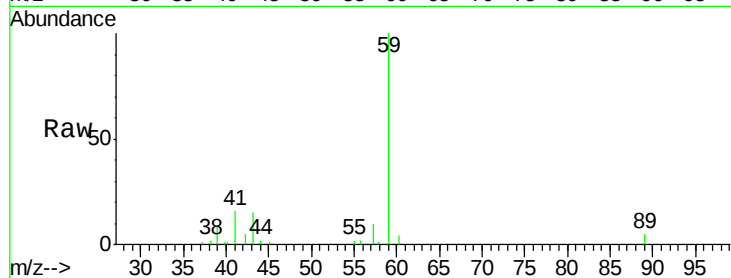
Tert butyl alcohol
Concen: 108.331 ug/l
RT: 4.96 min Scan# 529
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	57	Ratio	100	9.4	Resp	39349	Lower	Upper
Ion	59	57	Ratio	100	9.4	Resp	39349	Lower	Upper
								7.8	11.6

Manual Integrations
APPROVED

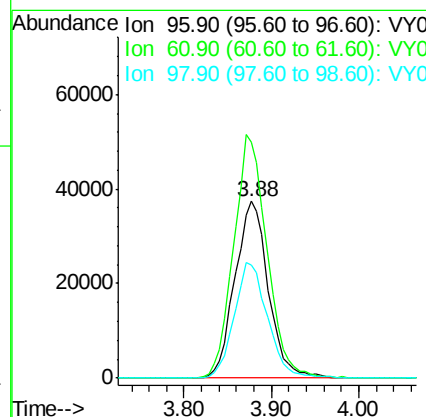
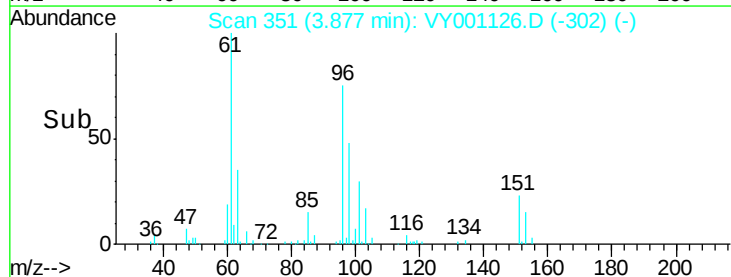
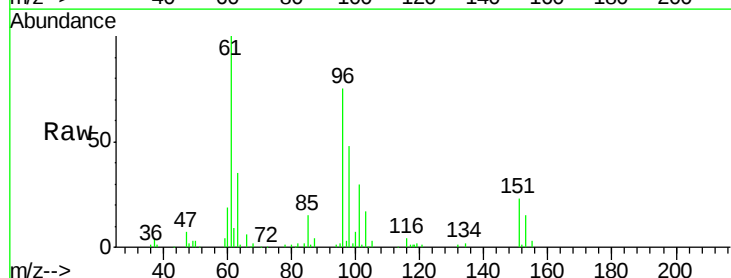
apatel
12/31/2019 12:08:49 PM

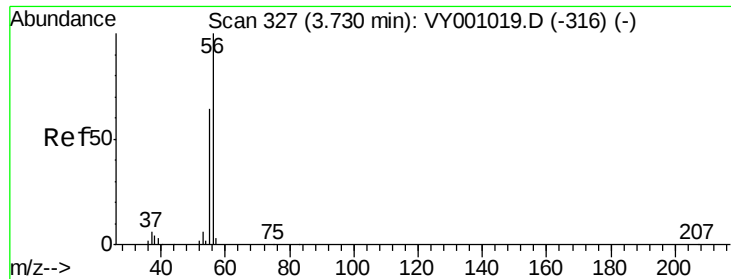


#12

1,1-Dichloroethene
Concen: 26.420 ug/l
RT: 3.88 min Scan# 351
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion	96	61	98	Ratio	100	133.8	63.9	Resp	99416	Lower	Upper
Ion	96	61	98	Ratio	100	133.8	63.9	Resp	99416	Lower	Upper
										113.0	169.4
										49.8	74.8





#13

Acrolein

Concen: 101.220 ug/l

RT: 3.73 min Scan# 327

Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 45554

Ion Ratio Lower Upper

56 100

55 69.9

55.6

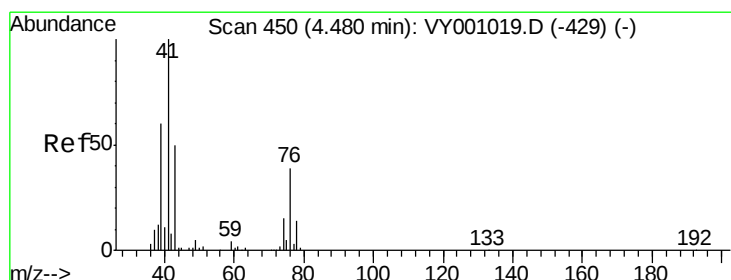
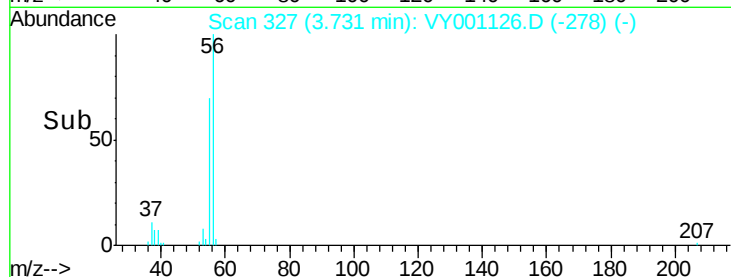
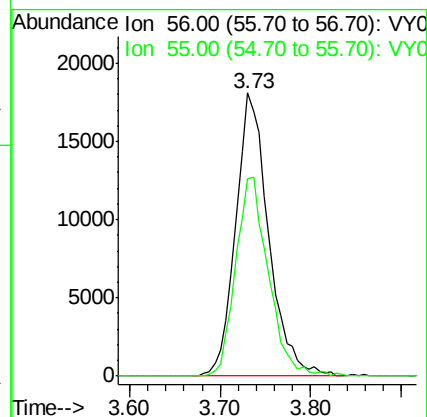
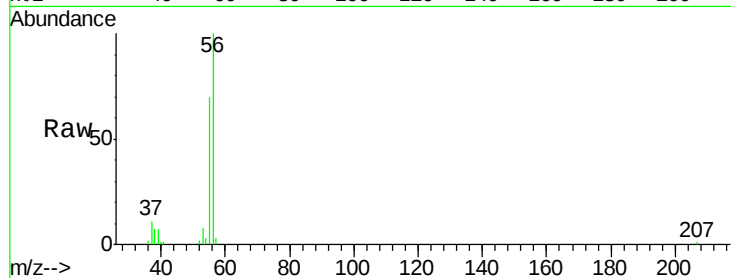
83.4

Manual Integrations

APPROVED

apatel

12/31/2019 12:08:49 PM



#14

Allyl chloride

Concen: 20.068 ug/l

RT: 4.49 min Scan# 451

Delta R.T. 0.01 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Tgt Ion: 41 Resp: 117306

Ion Ratio Lower Upper

41 100

39 73.3

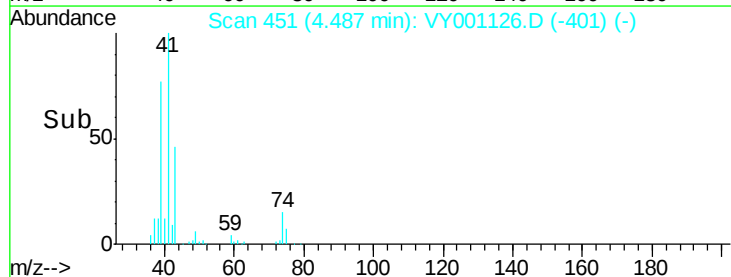
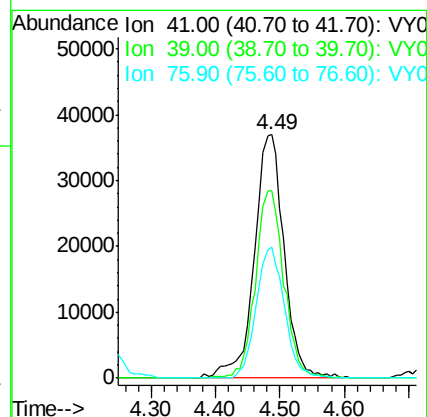
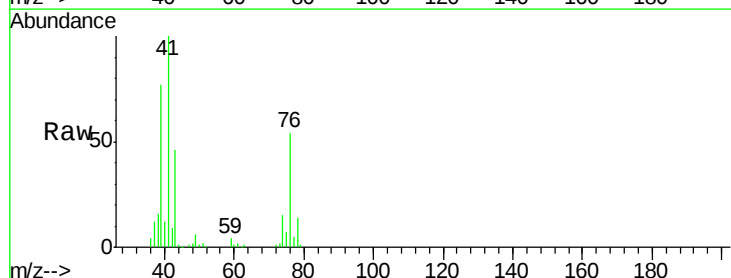
46.0

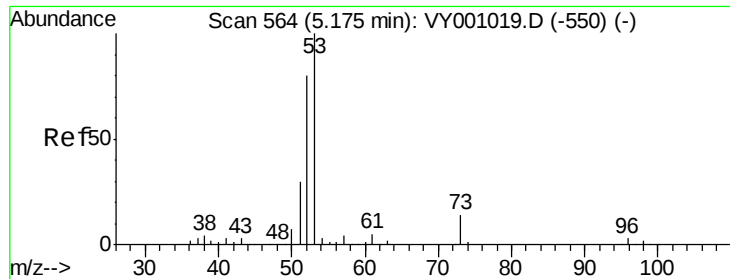
69.0#

76 50.8

32.6

48.8#





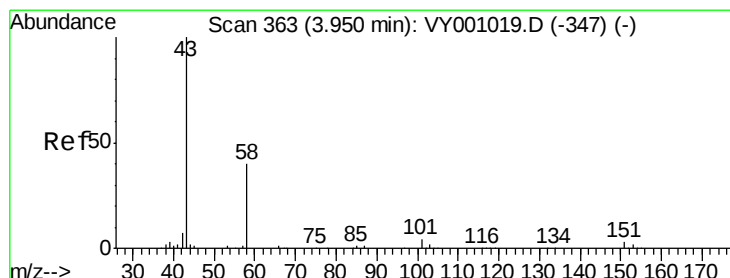
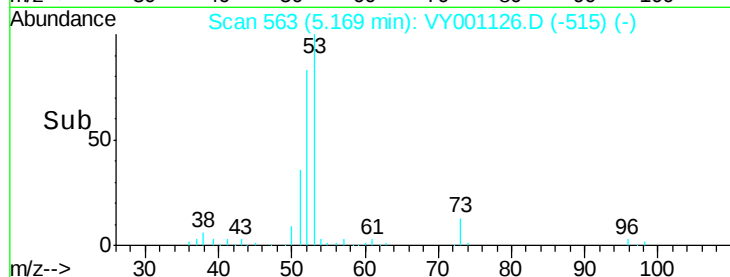
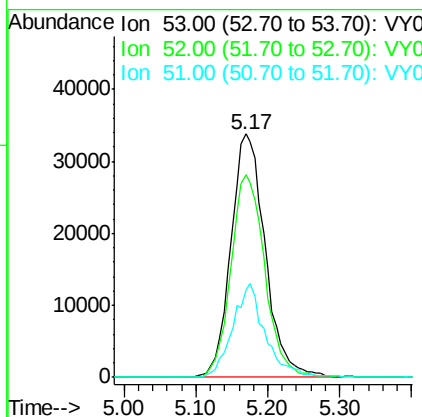
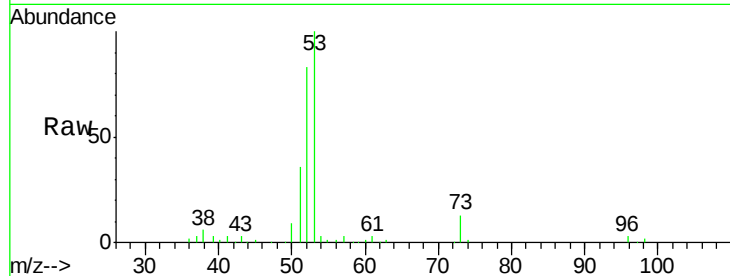
#15
 Acrylonitrile
 Concen: 96.877 ug/l
 RT: 5.17 min Scan# 563
 Delta R.T. -0.01 min
 Lab File: VY001126.D
 Acq: 30 Dec 2019 16:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.3	63.6	95.4
51	36.7	26.7	40.1

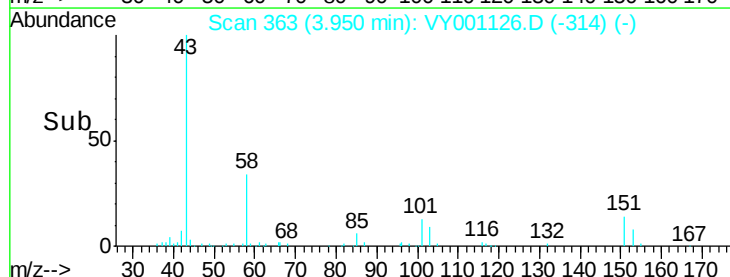
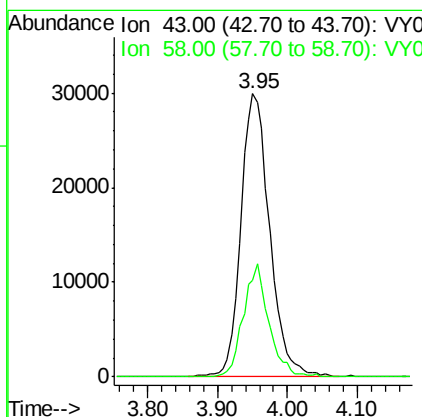
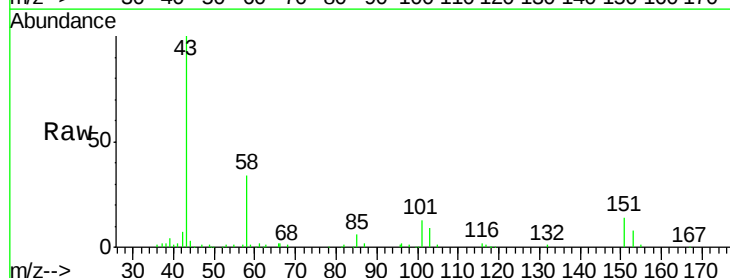
Manual Integrations
 APPROVED

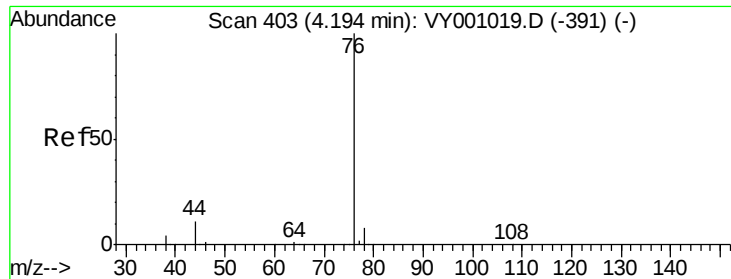
apatel
 12/31/2019 12:08:49 PM



#16
 Acetone
 Concen: 112.238 ug/l
 RT: 3.95 min Scan# 363
 Delta R.T. 0.00 min
 Lab File: VY001126.D
 Acq: 30 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.9	32.1	48.1





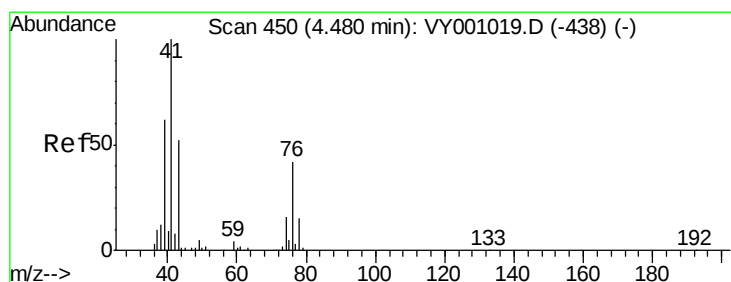
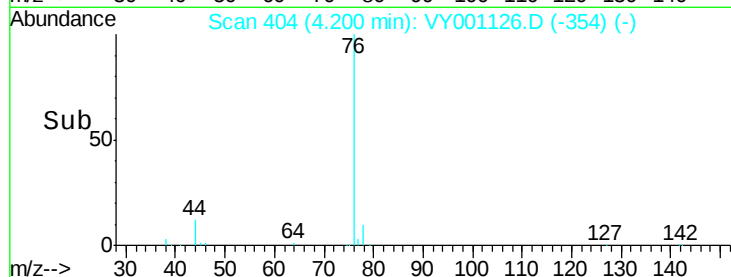
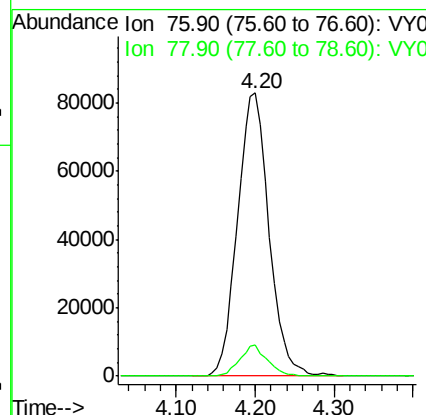
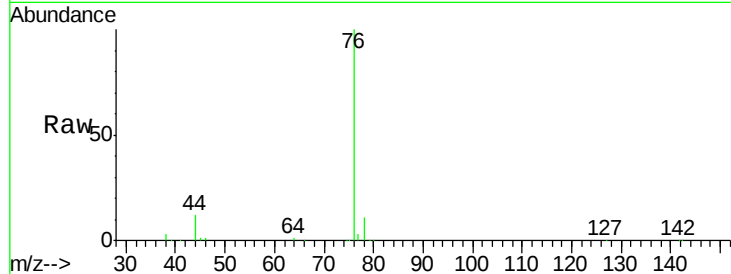
#17
Carbon Disulfide
Concen: 18.707 ug/l
RT: 4.20 min Scan# 404
Delta R.T. 0.01 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.8	6.7	10.1#

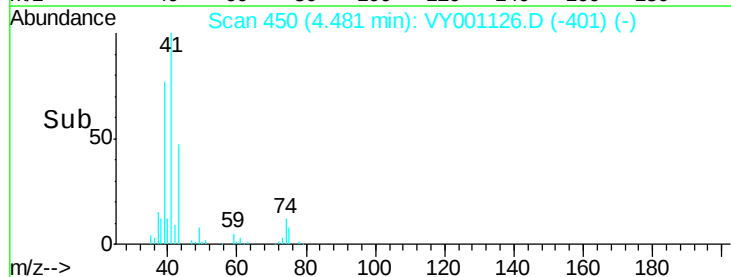
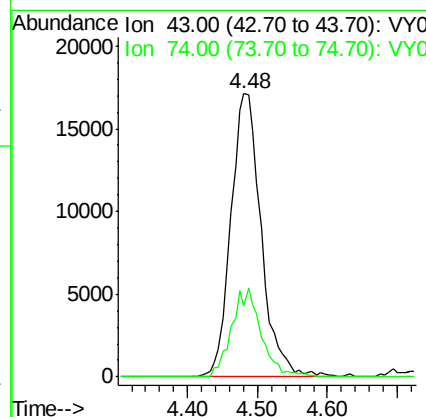
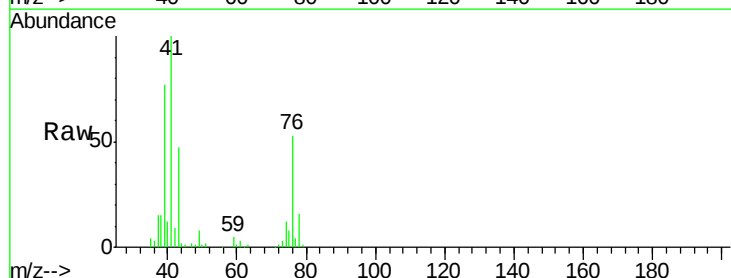
Manual Integrations
APPROVED

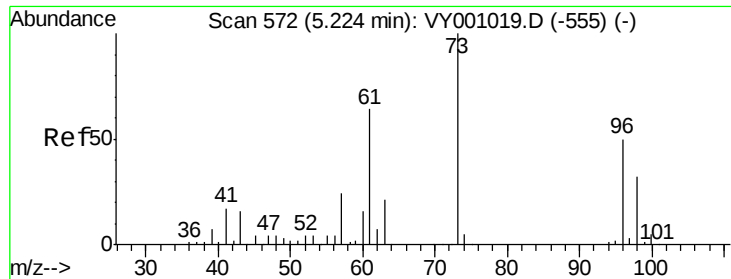
apatel
12/31/2019 12:08:49 PM



#18
Methyl Acetate
Concen: 17.614 ug/l
RT: 4.48 min Scan# 450
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.8	20.7	31.1





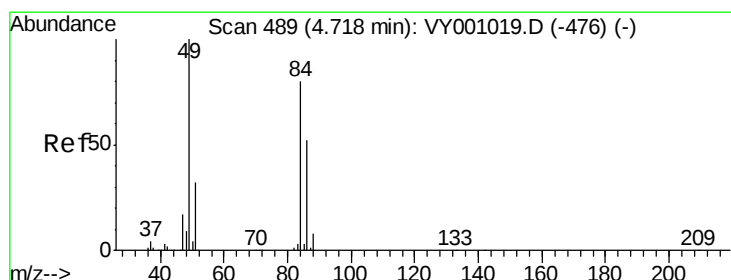
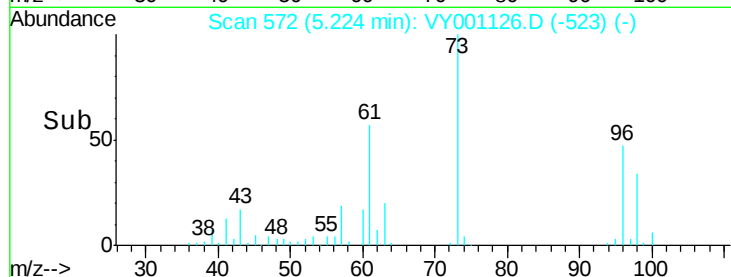
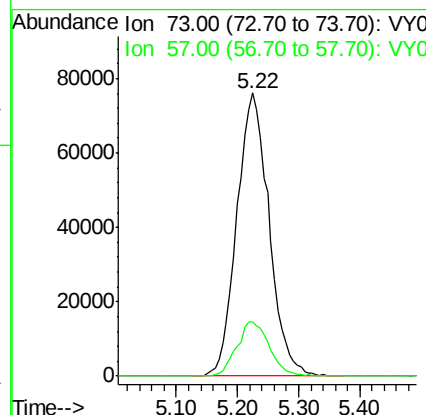
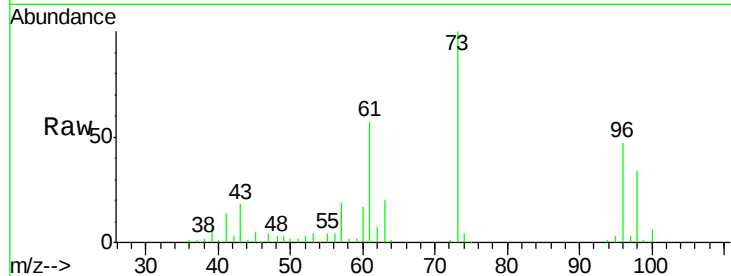
#19
Methvl tert-butvl Ether
Concen: 28.554 ug/l
RT: 5.22 min Scan# 572
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 277316
Ion Ratio Lower Upper
73 100
57 19.3 19.0 28.6

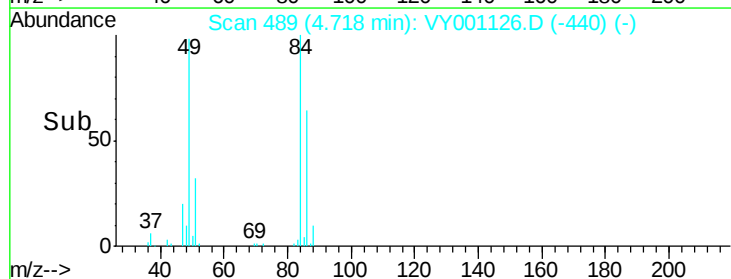
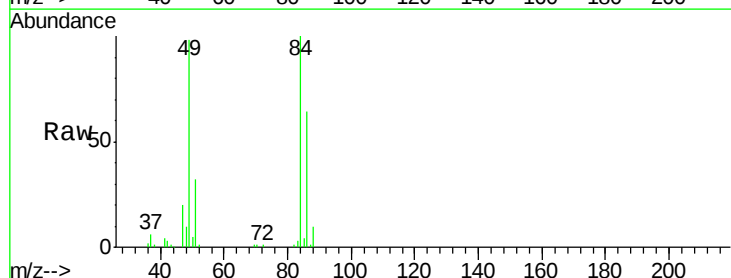
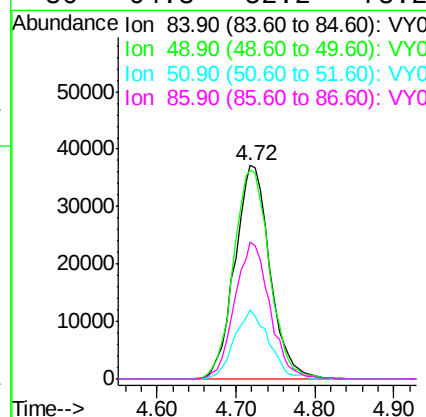
Manual Integrations
APPROVED

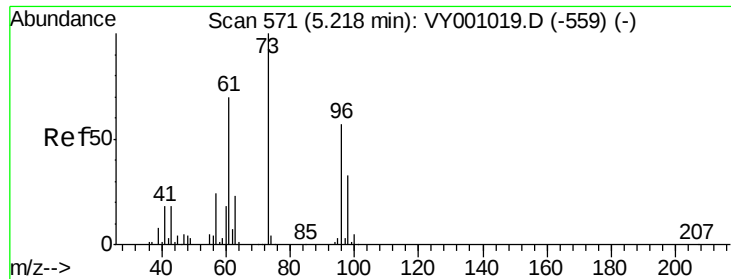
apatel
12/31/2019 12:08:49 PM



#20
Methylene Chloride
Concen: 25.730 ug/l
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion: 84 Resp: 115257
Ion Ratio Lower Upper
84 100
49 97.7 99.8 149.6#
51 32.1 31.4 47.2
86 64.3 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 27.735 ug/l

RT: 5.22 min Scan# 572

Delta R.T. 0.01 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 115659

Ion Ratio Lower Upper

96 100

61 120.9 98.1 147.1

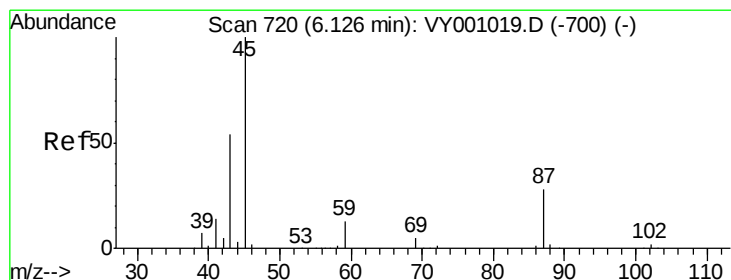
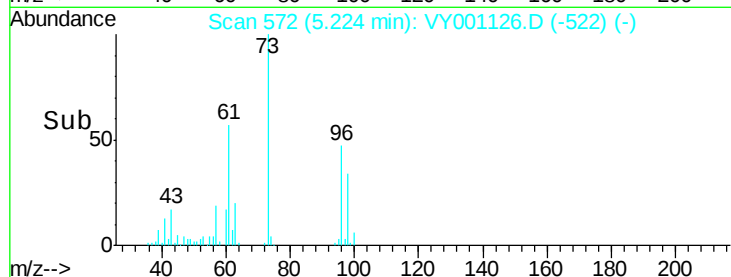
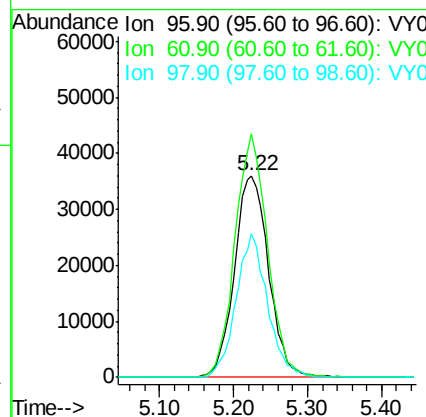
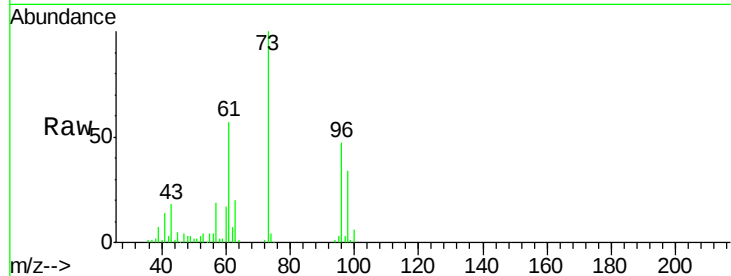
98 71.2 47.2 70.8#

Manual Integrations

APPROVED

apatel

12/31/2019 12:08:49 PM



#22

Diisopropyl ether

Concen: 22.944 ug/l

RT: 6.13 min Scan# 720

Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Tgt Ion: 45 Resp: 271089

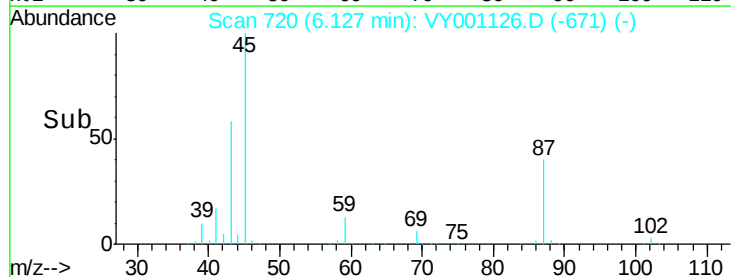
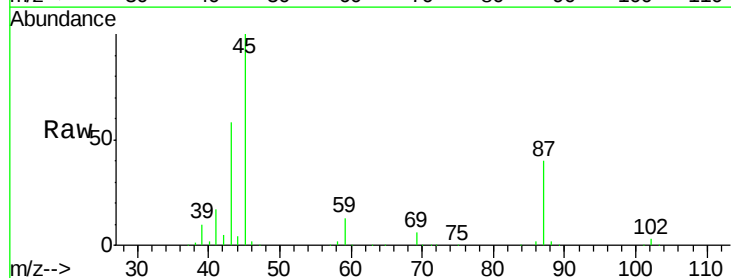
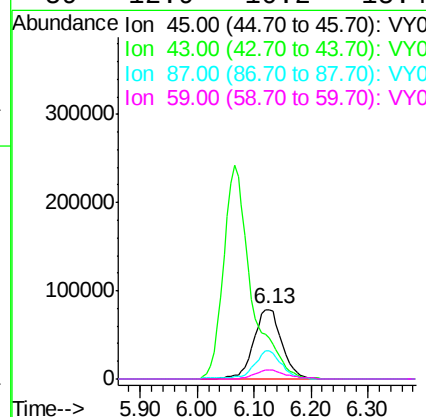
Ion Ratio Lower Upper

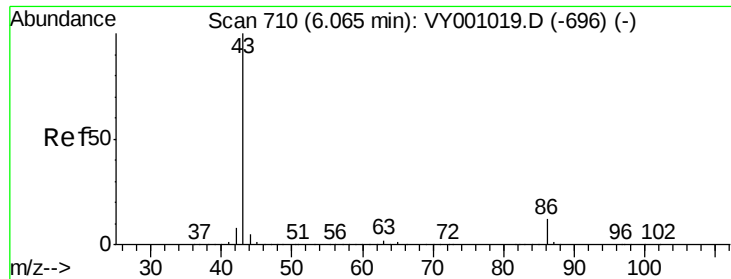
45 100

43 58.3 43.6 65.4

87 39.7 23.1 34.7#

59 12.9 10.2 15.4





#23

Vinyl Acetate

Concen: 109.365 ug/l

RT: 6.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 816073

Ion Ratio Lower Upper

43 100

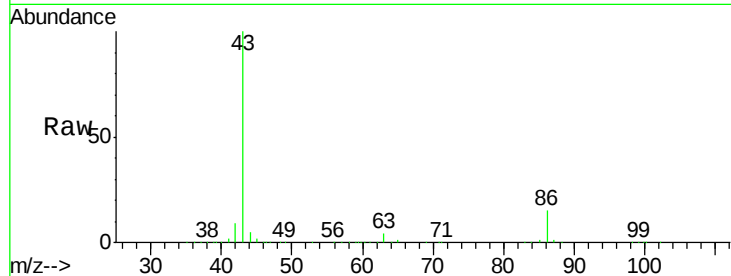
86 15.4 9.5 14.3#

Manual Integrations

APPROVED

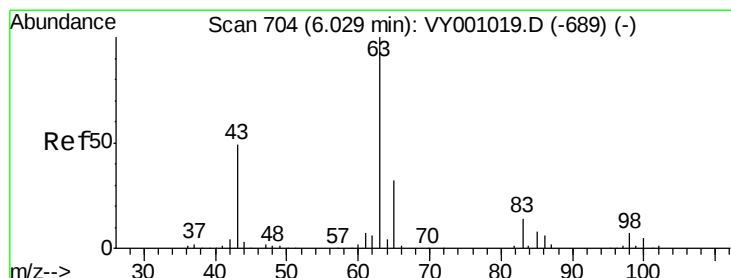
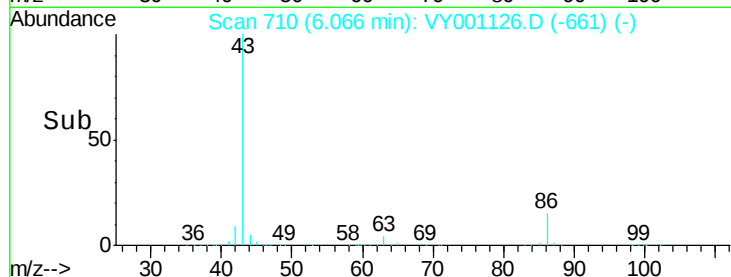
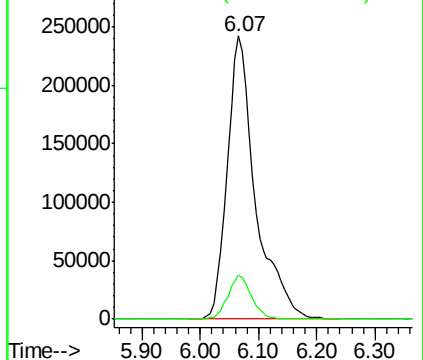
apatel

12/31/2019 12:08:49 PM



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 26.073 ug/l

RT: 6.03 min Scan# 704

Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

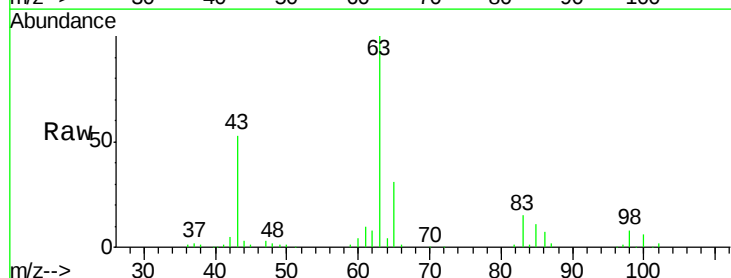
Tgt Ion: 63 Resp: 182048

Ion Ratio Lower Upper

63 100

98 8.2 3.8 11.2

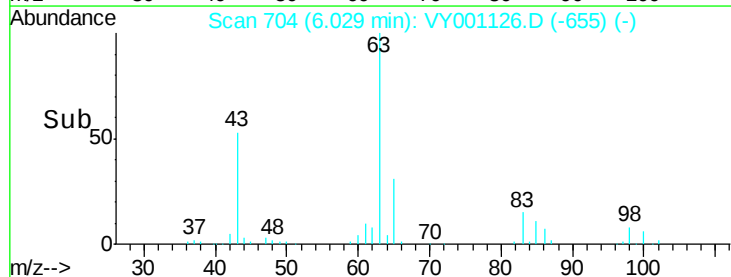
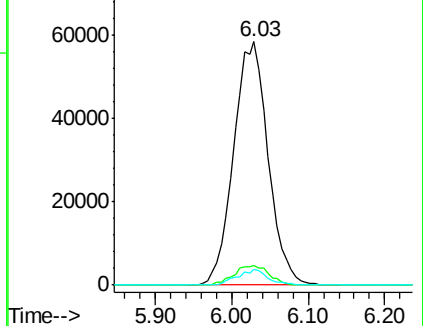
100 6.4 2.5 7.5

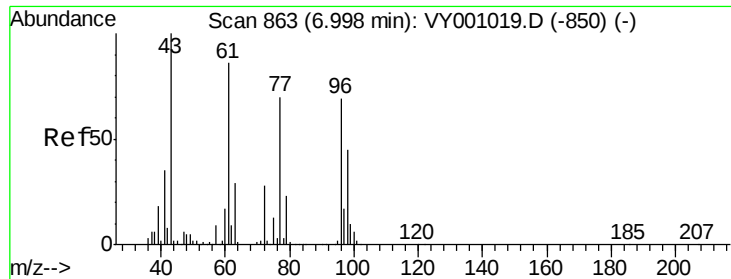


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0





#25

2-Butanone

Concen: 99.779 ug/l

RT: 6.99 min Scan# 862

Delta R.T. -0.01 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 133399

Ion Ratio Lower Upper

43 100

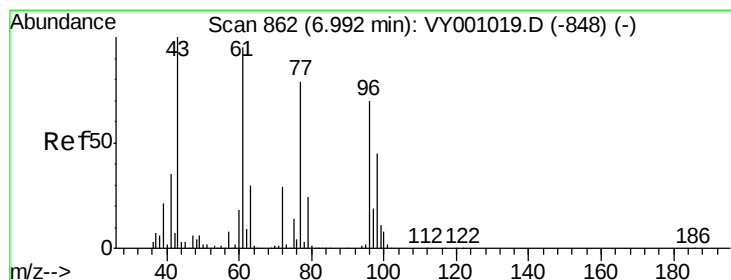
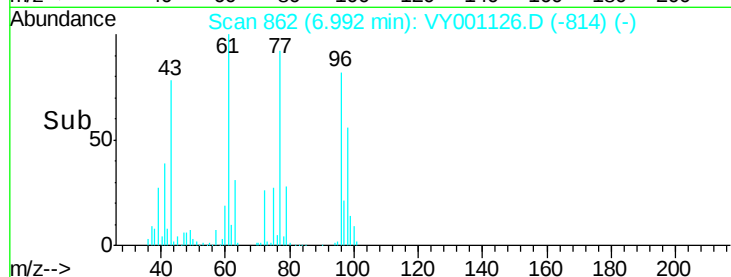
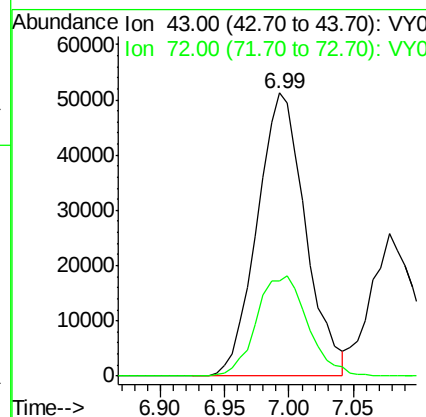
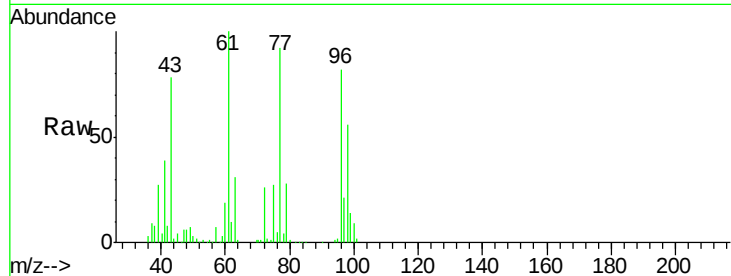
72 33.6 22.4 33.6#

Manual Integrations

APPROVED

apatel

12/31/2019 12:08:49 PM



#26

2,2-Dichloropropane

Concen: 33.991 ug/l

RT: 6.99 min Scan# 861

Delta R.T. -0.01 min

Lab File: VY001126.D

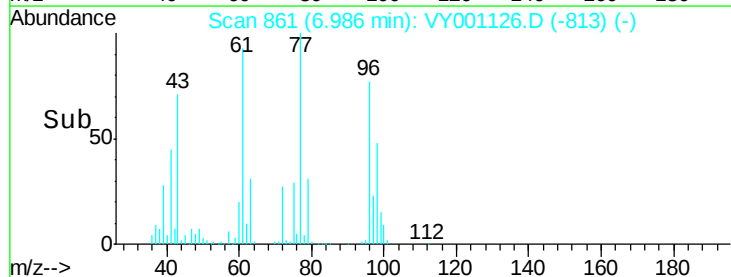
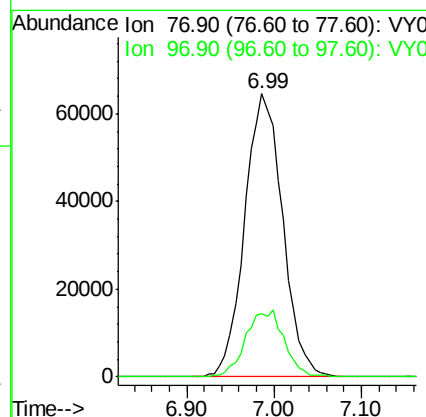
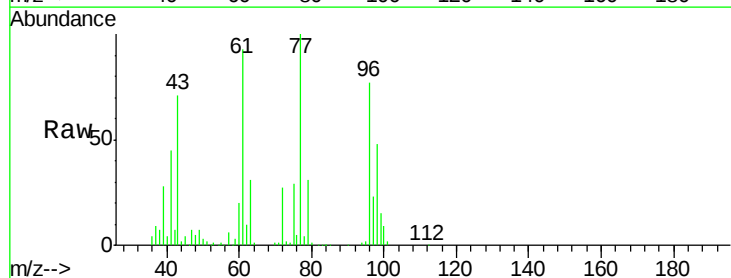
Acq: 30 Dec 2019 16:48

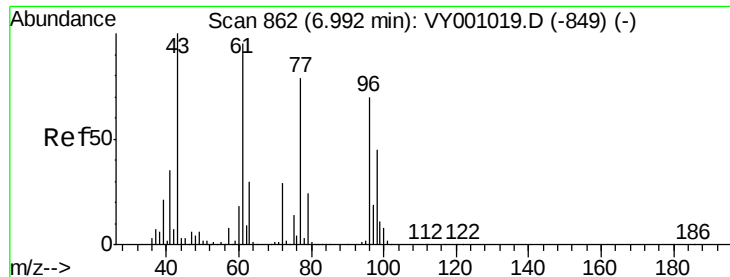
Tgt Ion: 77 Resp: 194994

Ion Ratio Lower Upper

77 100

97 23.7 12.0 36.1





#27

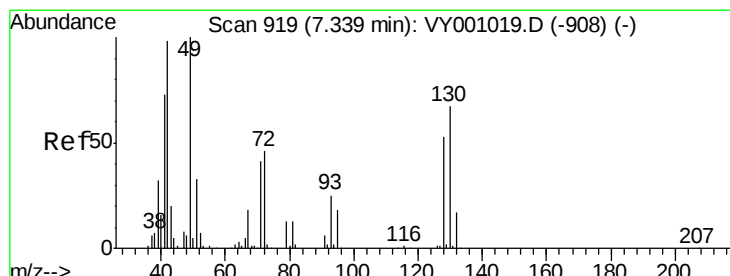
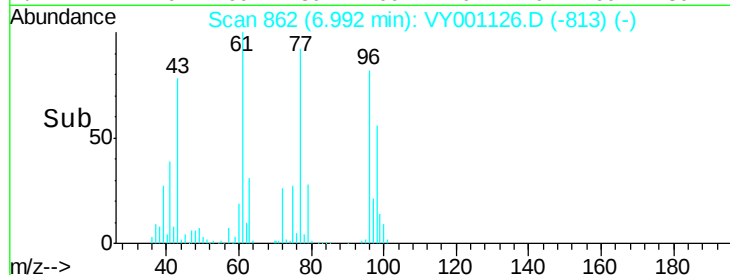
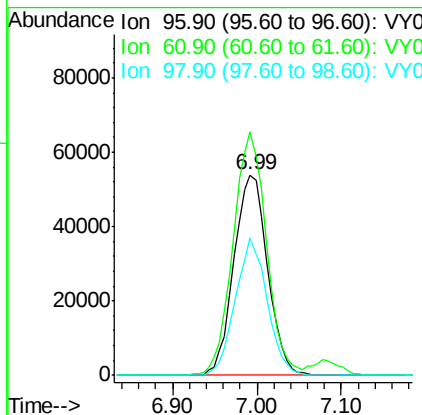
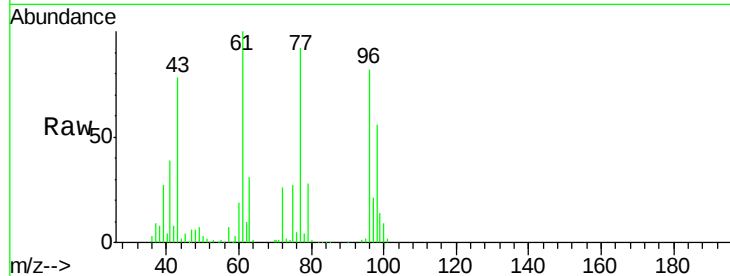
cis-1,2-Dichloroethene
Concen: 31.773 ug/l
RT: 6.99 min Scan# 862
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	145568		
61	120.5	0.0	268.2	
98	65.0	0.0	129.2	

Manual Integrations
APPROVED

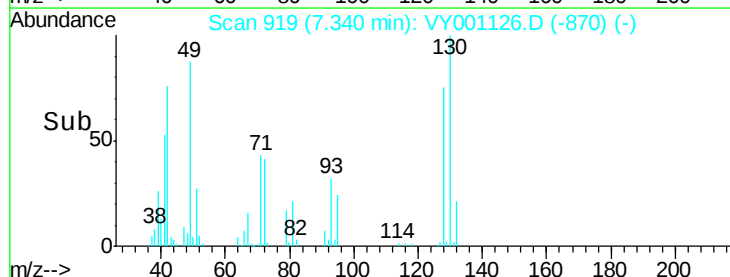
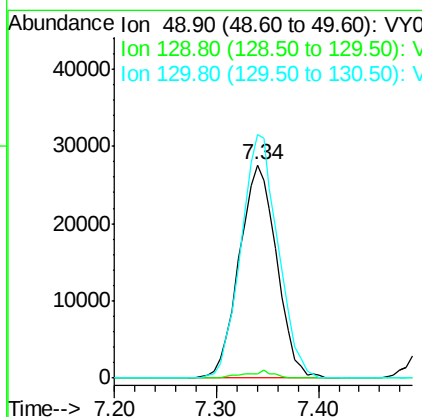
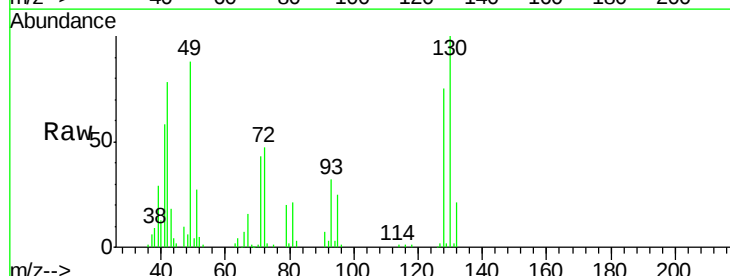
apatel
12/31/2019 12:08:49 PM

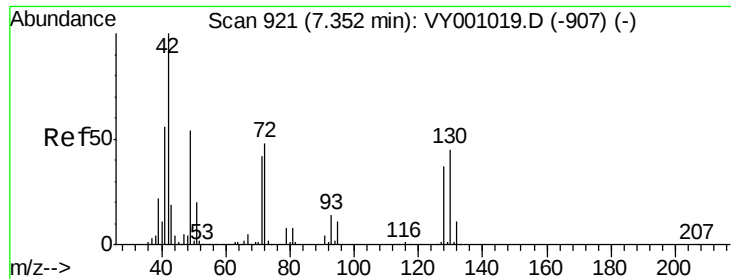


#28

Bromochloromethane
Concen: 25.782 ug/l
RT: 7.34 min Scan# 919
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	70238		
129	2.7	0.0	3.8	
130	113.4	60.4	90.6#	





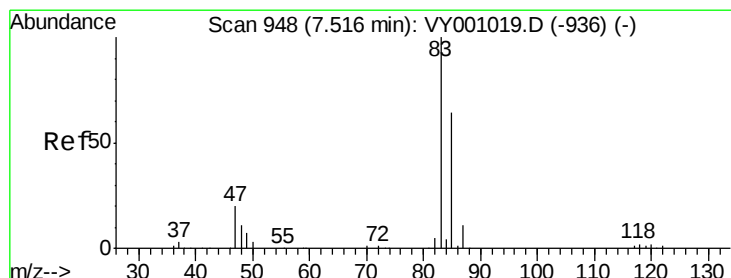
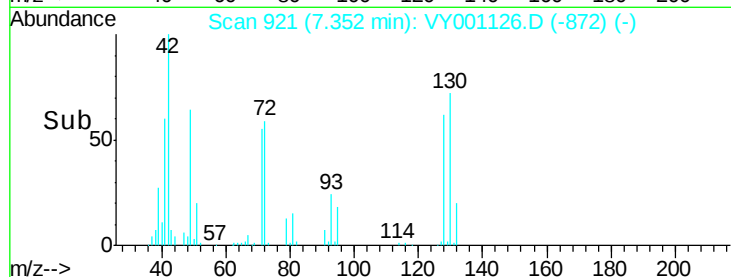
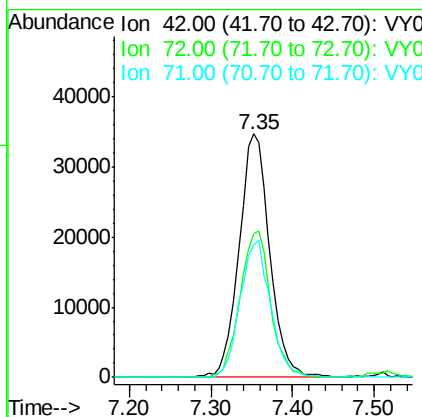
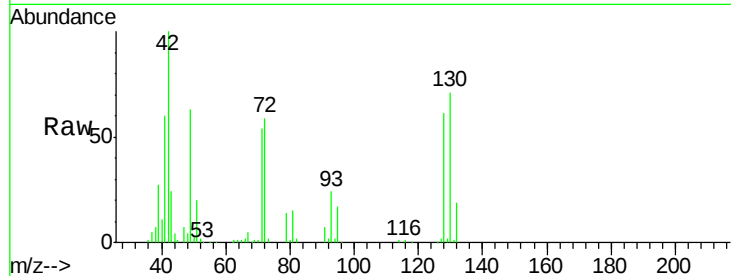
#29
Tetrahydrofuran
Concen: 95.007 ug/l
RT: 7.35 min Scan# 921
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	60.0	37.7	56.5#
71	55.5	34.6	51.8#

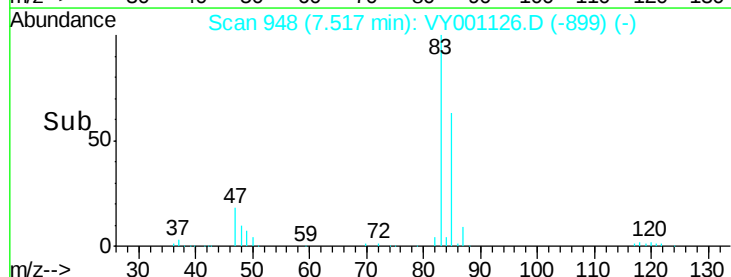
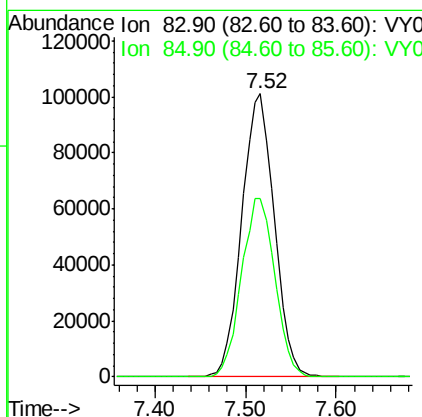
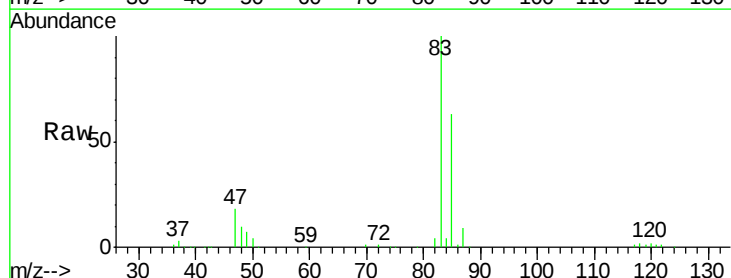
Manual Integrations
APPROVED

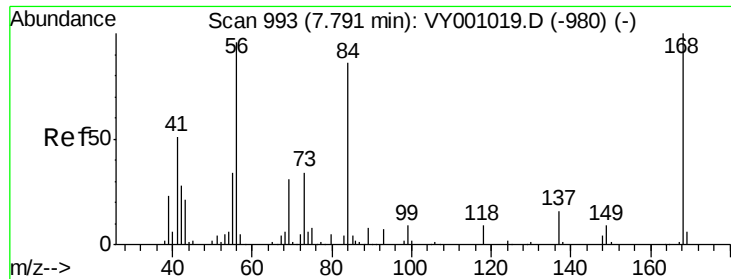
apatel
12/31/2019 12:08:49 PM



#30
Chloroform
Concen: 38.044 ug/l
RT: 7.52 min Scan# 948
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	51.6	77.4





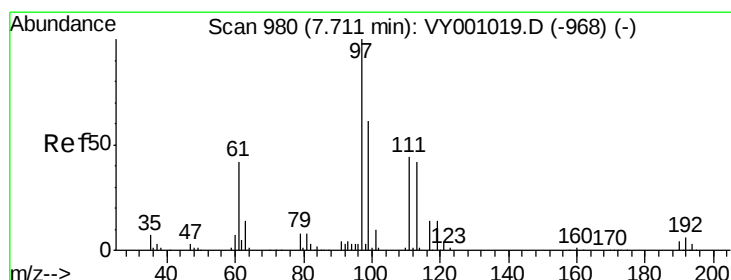
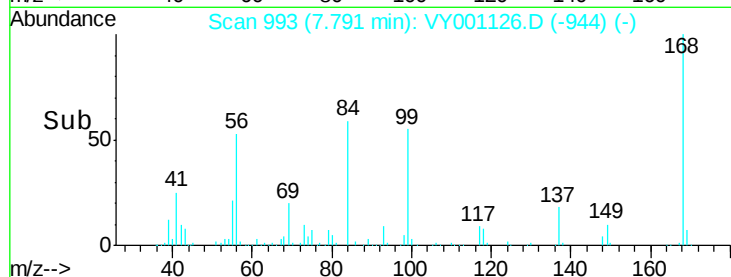
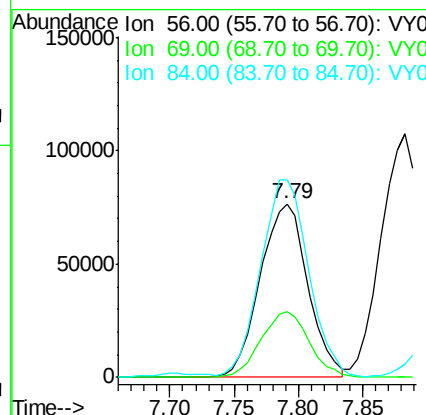
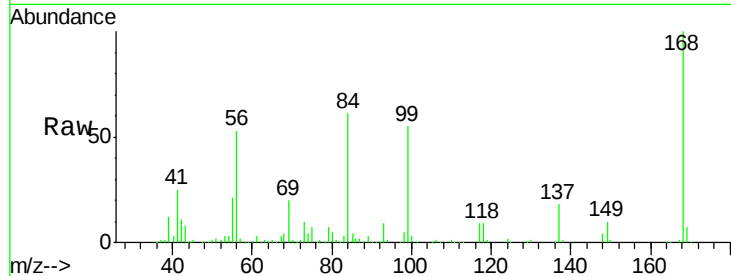
#31
Cyclohexane
Concen: 26.767 ug/l
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.0	26.1	39.1
84	112.0	71.8	107.8

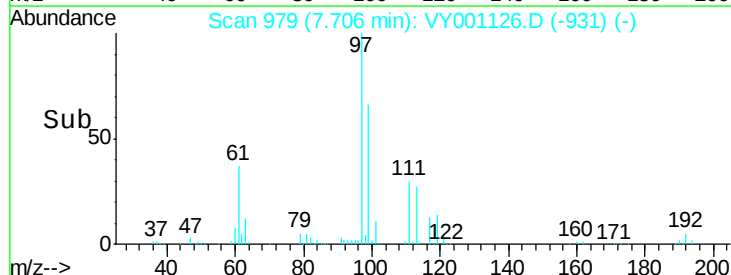
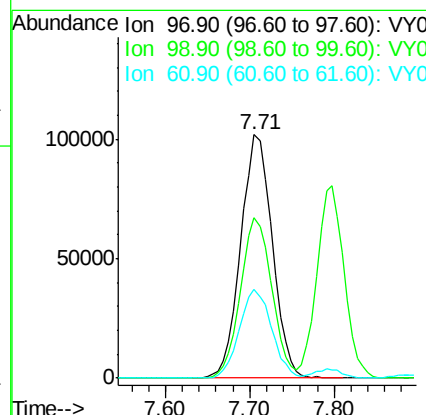
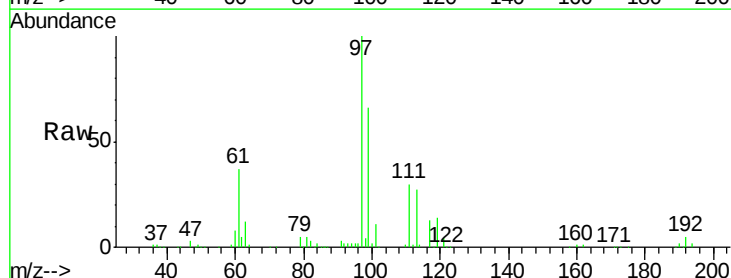
Manual Integrations
APPROVED

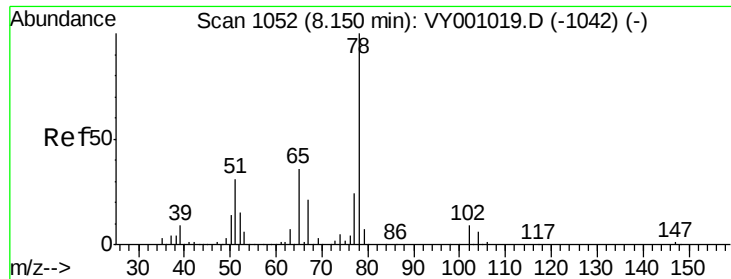
apatel
12/31/2019 12:08:49 PM



#32
1,1,1-Trichloroethane
Concen: 45.813 ug/l
RT: 7.71 min Scan# 979
Delta R.T. -0.01 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	50.6	76.0
61	37.3	33.0	49.6





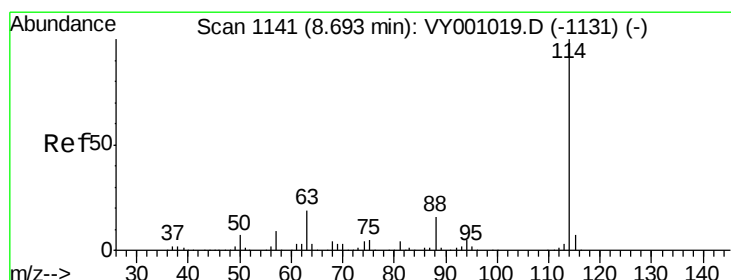
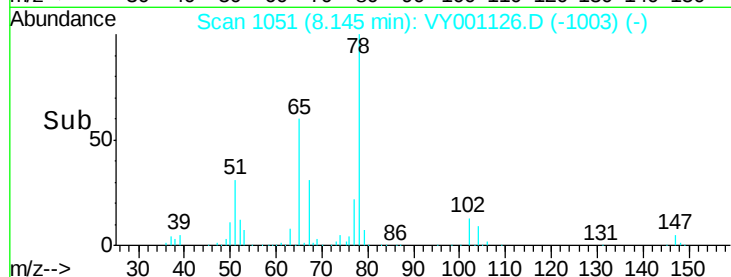
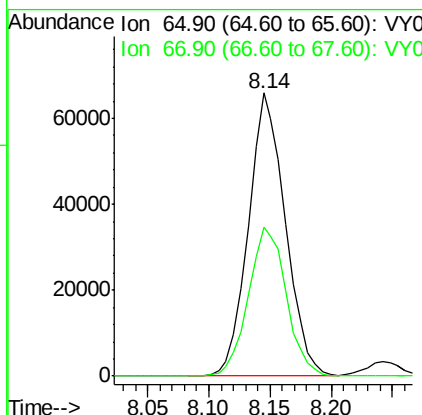
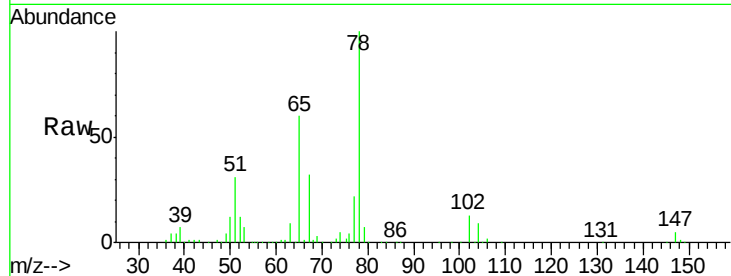
#33
 1,2-Dichloroethane-d4
 Concen: 41.923 ug/l
 RT: 8.14 min Scan# 1051
 Delta R.T. -0.01 min
 Lab File: VY001126.D
 Acq: 30 Dec 2019 16:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	138493		
67	54.0	0.0	112.8	

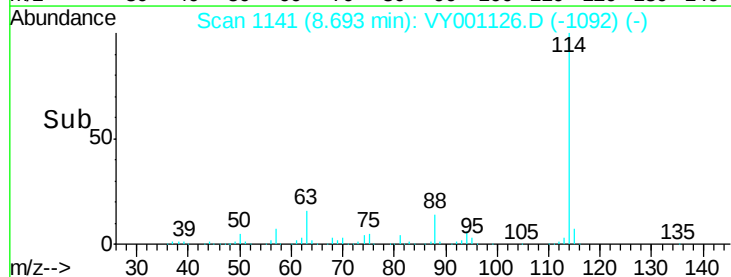
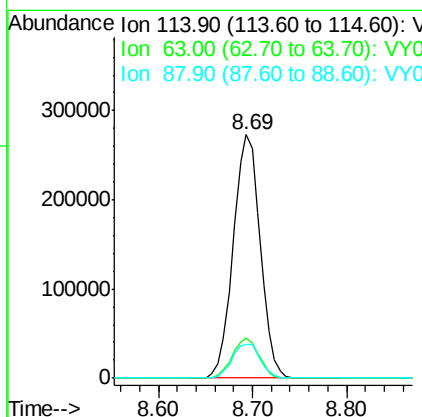
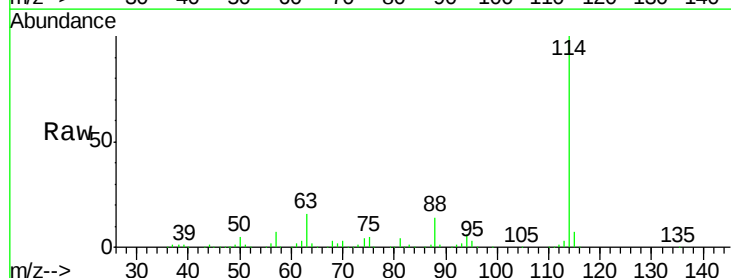
Manual Integrations
 APPROVED

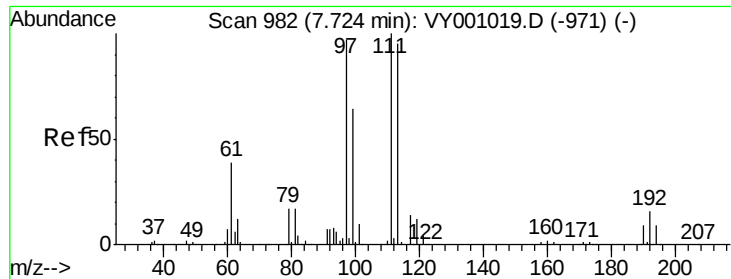
apatel
 12/31/2019 12:08:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.69 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: VY001126.D
 Acq: 30 Dec 2019 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	542627		
63	16.4	0.0	37.0	
88	14.1	0.0	32.0	





#35

Dibromofluoromethane

Concen: 45.090 ug/l

RT: 7.72 min Scan# 982

Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Instrument :

MSVOA_Y

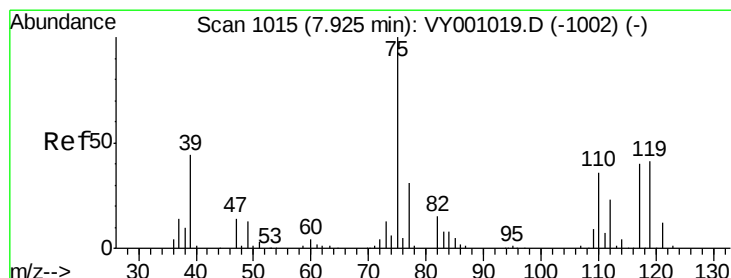
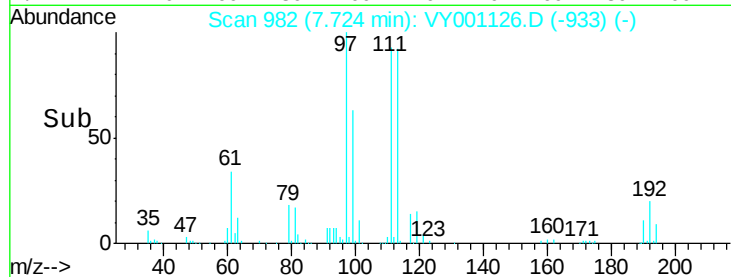
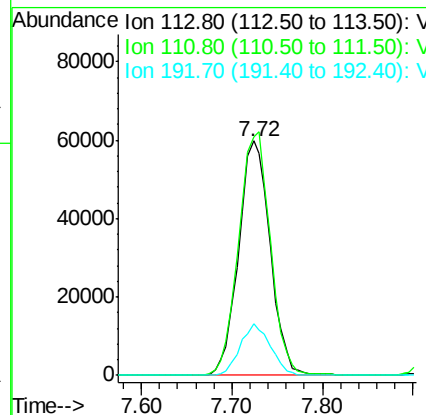
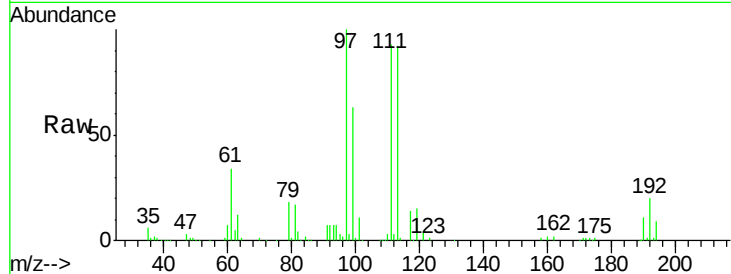
ClientSampleId :

VSTDCCC050EC

Tot Ion:	113	Resp:	144075
Ion Ratio	Lower	Upper	
113	100		
111	104.3	83.0	124.4
192	21.1	14.6	21.8

Manual Integrations
APPROVED

apatel
12/31/2019 12:08:49 PM



#36

1,1-Dichloropropene

Concen: 39.746 ug/l

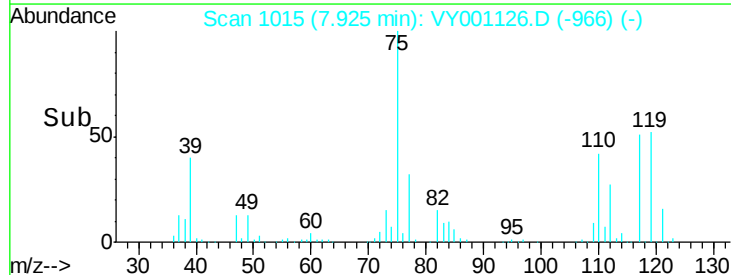
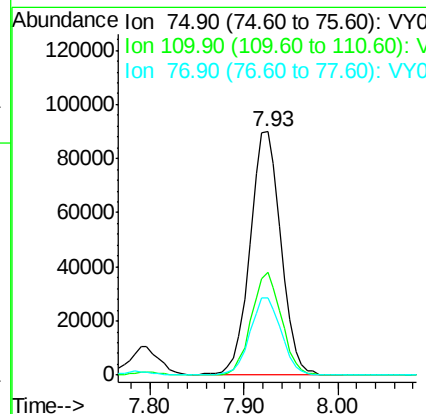
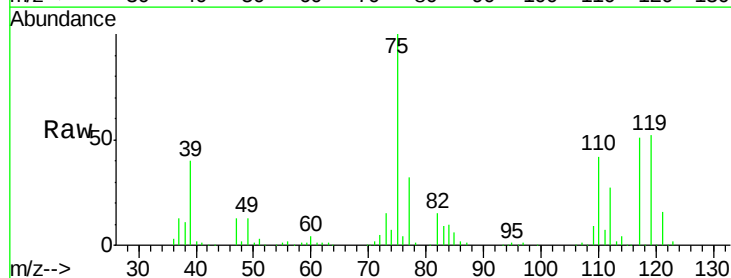
RT: 7.93 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Tgt Ion:	75	Resp:	205748
Ion Ratio	Lower	Upper	
75	100		
110	41.1	18.1	54.4
77	32.3	24.6	37.0





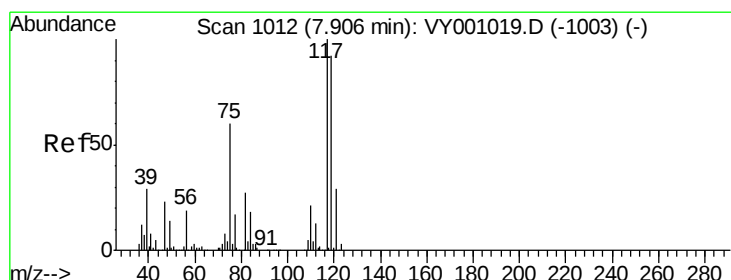
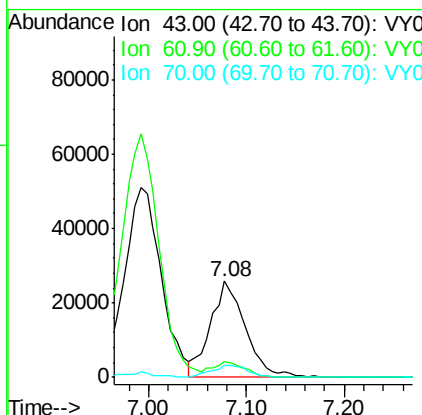
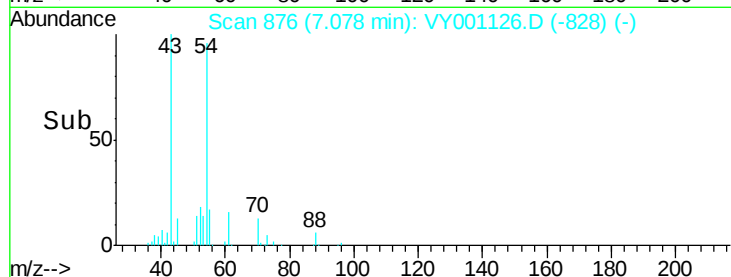
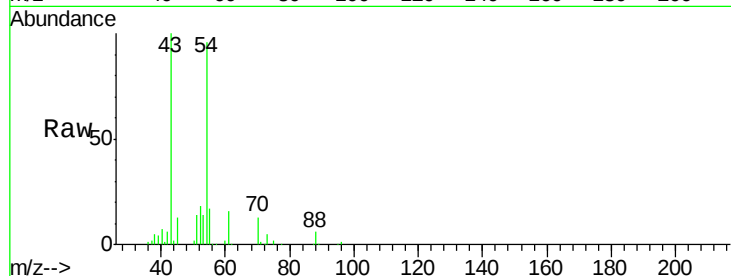
#37
Ethyl Acetate
Concen: 22.254 ug/l
RT: 7.08 min Scan# 876
Delta R.T. -0.01 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	15.4	12.5	18.7	
70	13.6	9.0	13.4	

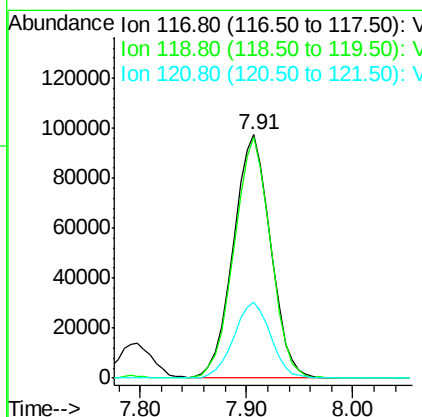
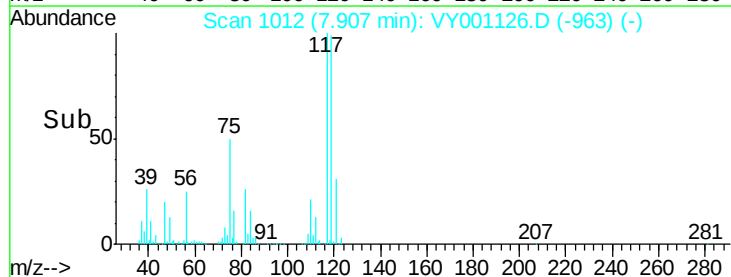
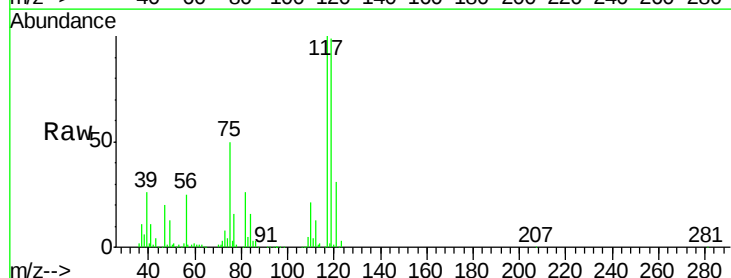
Manual Integrations
APPROVED

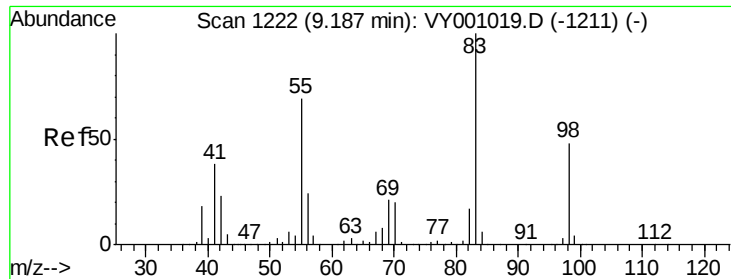
apatel
12/31/2019 12:08:49 PM



#38
Carbon Tetrachloride
Concen: 52.678 ug/l
RT: 7.91 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	98.8	74.2	111.2	
121	31.3	22.9	34.3	





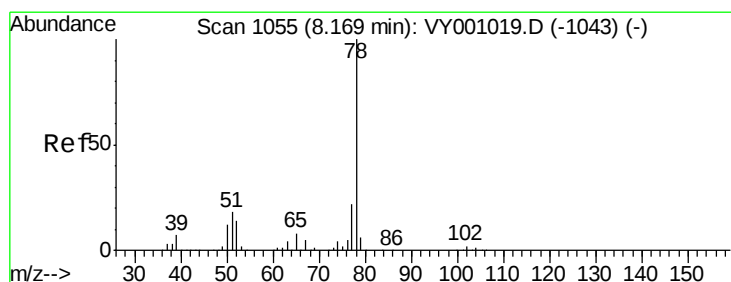
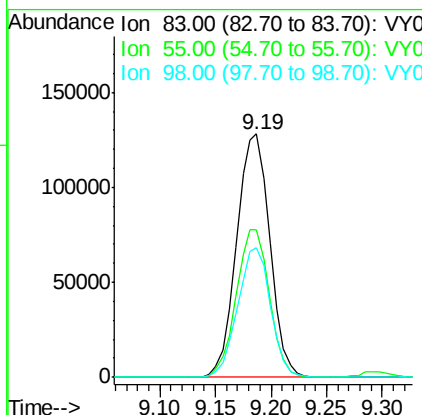
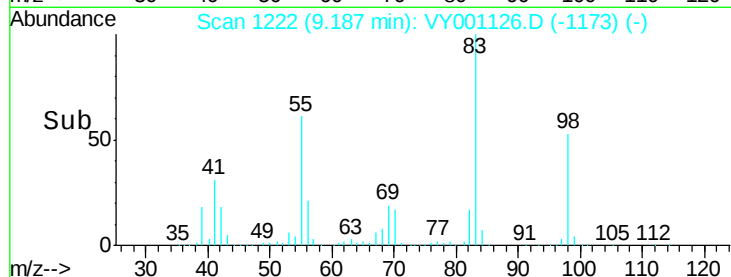
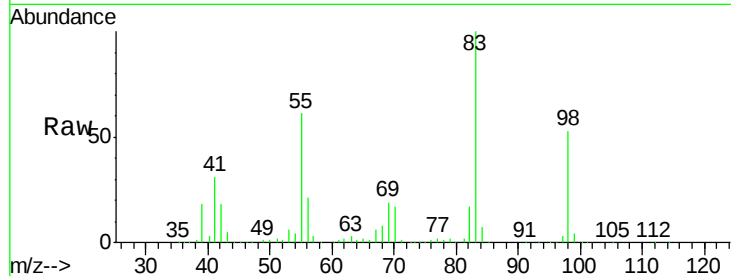
#39
Methvlcvclohexane
Concen: 38.474 ug/l
RT: 9.19 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	60.6	55.1	82.7
98	53.1	38.3	57.5

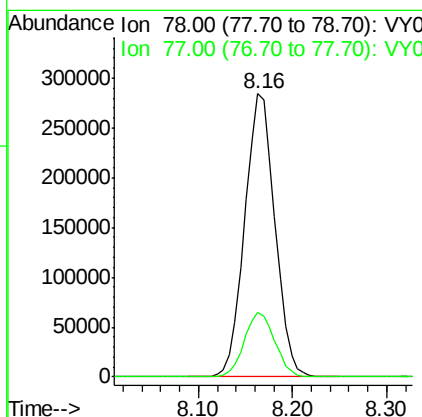
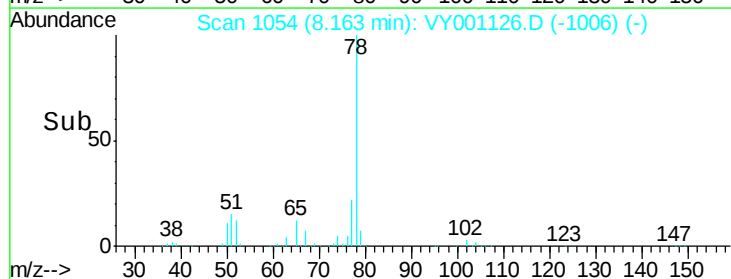
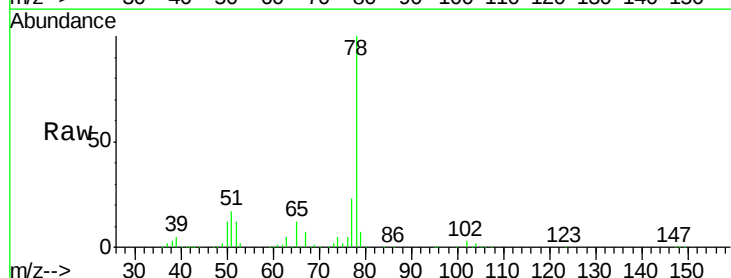
Manual Integrations
APPROVED

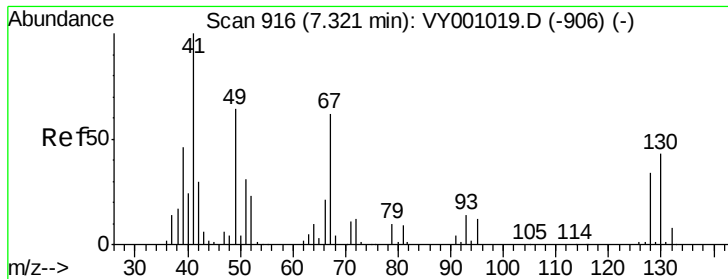
apatel
12/31/2019 12:08:49 PM



#40
Benzene
Concen: 40.880 ug/l
RT: 8.16 min Scan# 1054
Delta R.T. -0.01 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.6	17.7	26.5





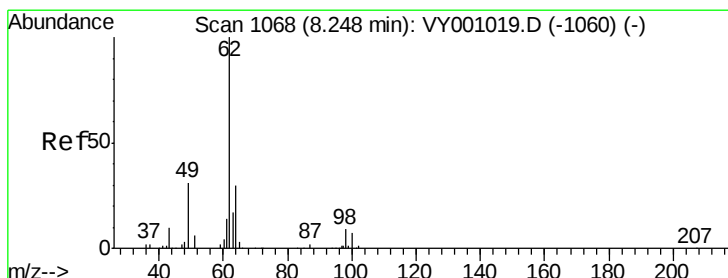
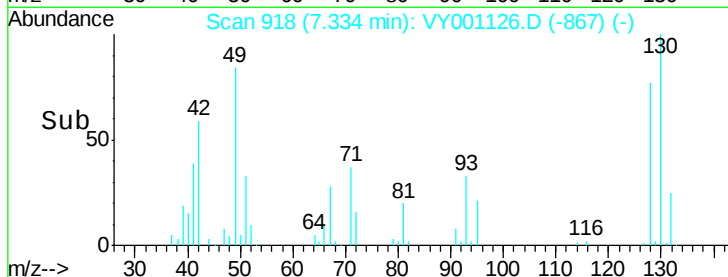
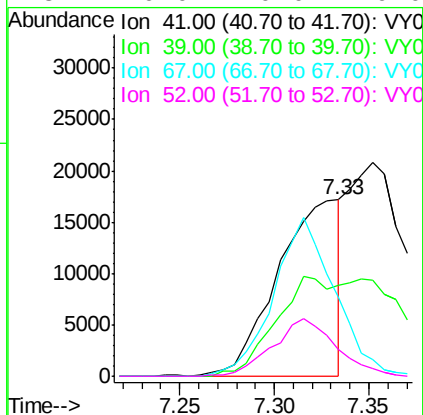
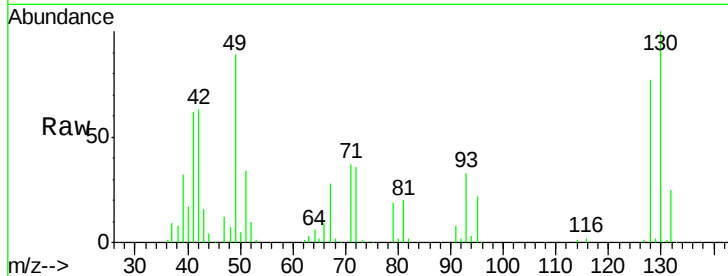
#41
Methacrylonitrile
Concen: 31.958 ug/l m
RT: 7.33 min Scan# 918
Delta R.T. 0.01 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	39714
Ion Ratio	Lower	Upper	
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

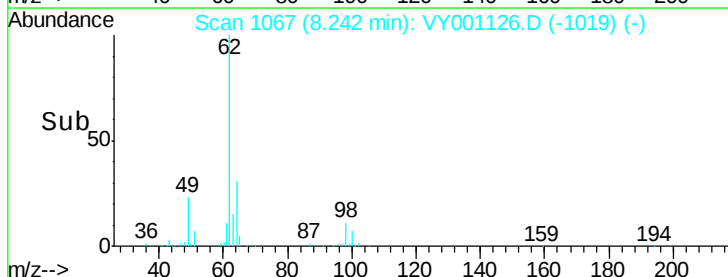
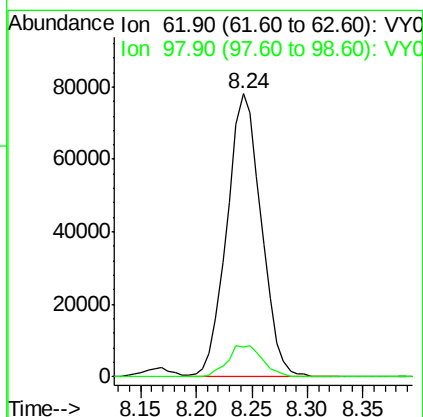
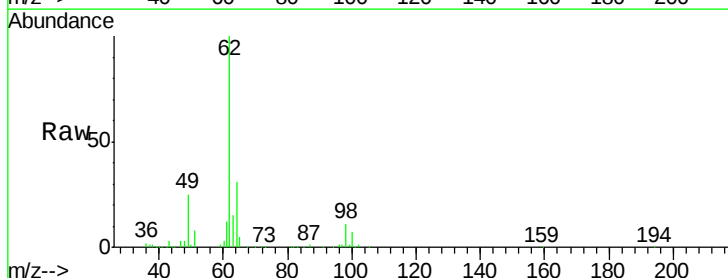
Manual Integrations
APPROVED

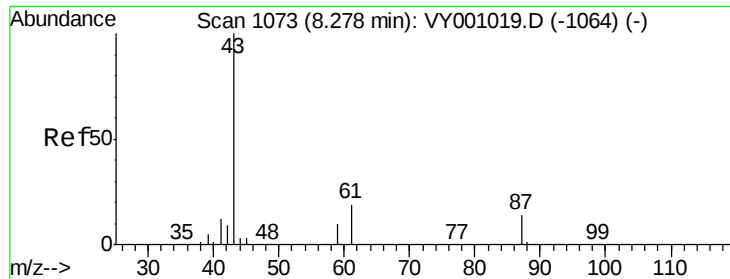
apatel
12/31/2019 12:08:49 PM



#42
1,2-Dichloroethane
Concen: 44.743 ug/l
RT: 8.24 min Scan# 1067
Delta R.T. -0.01 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion	62	Resp	167060
Ion Ratio	Lower	Upper	
62	100		
98	11.4	0.0	23.4





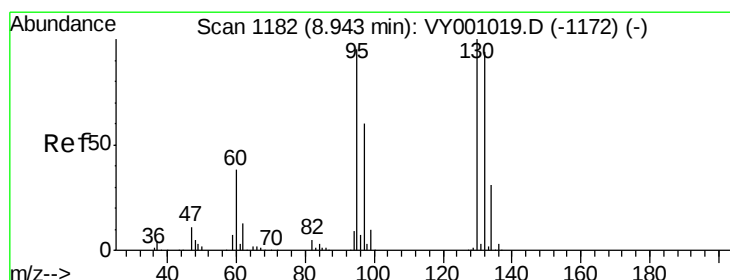
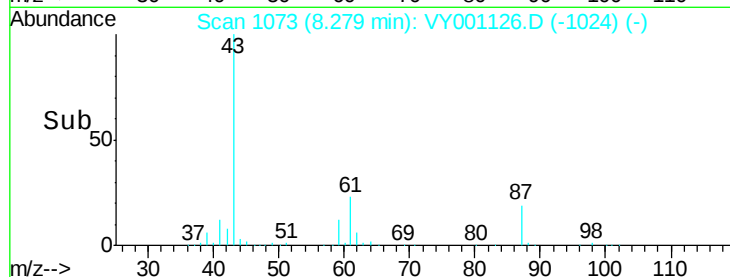
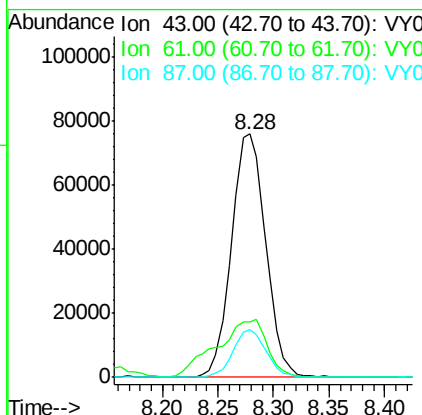
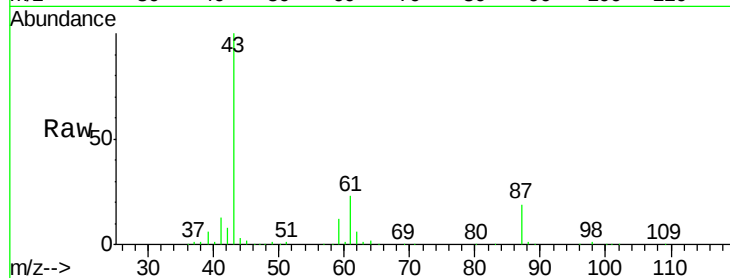
#43
Isopropyl Acetate
Concen: 30.444 ug/l
RT: 8.28 min Scan# 1073
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	35.2	25.0	37.6
87	19.1	12.0	18.0

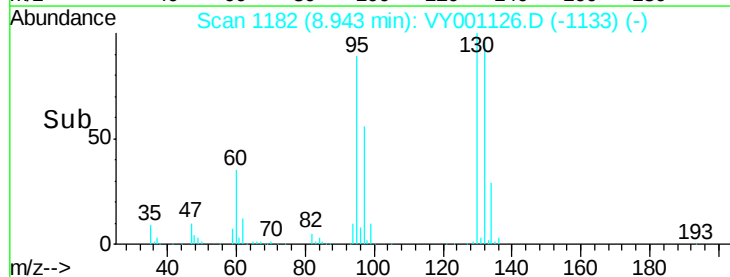
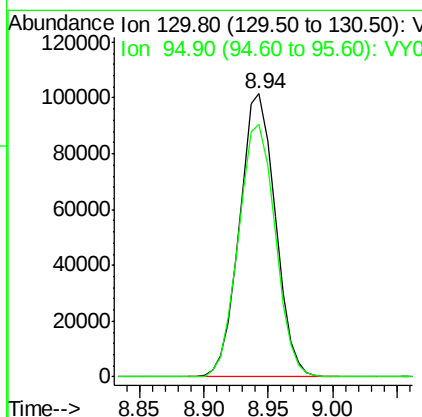
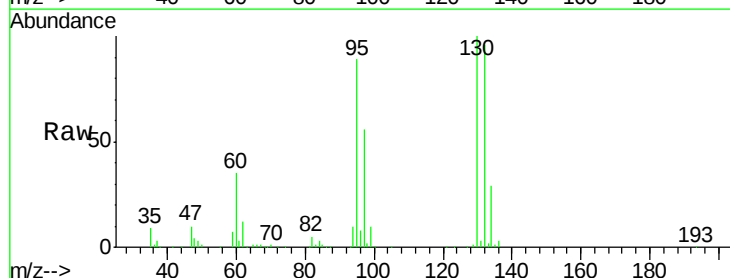
Manual Integrations
APPROVED

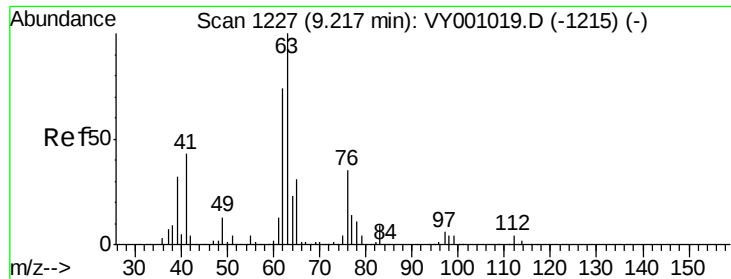
apatel
12/31/2019 12:08:49 PM



#44
Trichloroethene
Concen: 47.554 ug/l
RT: 8.94 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	190.6





#45

1,2-Dichloropropane

Concen: 37.619 ug/l

RT: 9.22 min Scan# 1227

Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 147384

Ion Ratio Lower Upper

63 100

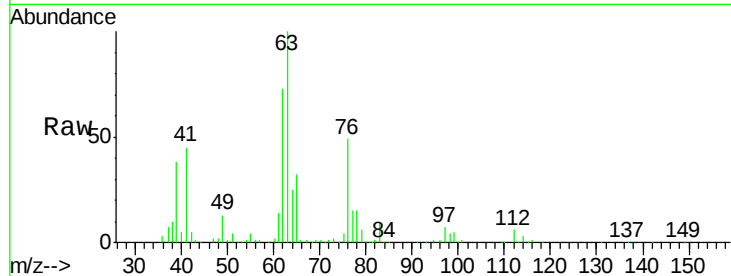
65 32.2 25.1 37.7

Manual Integrations

APPROVED

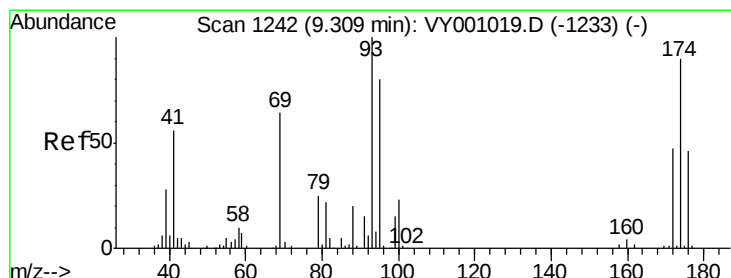
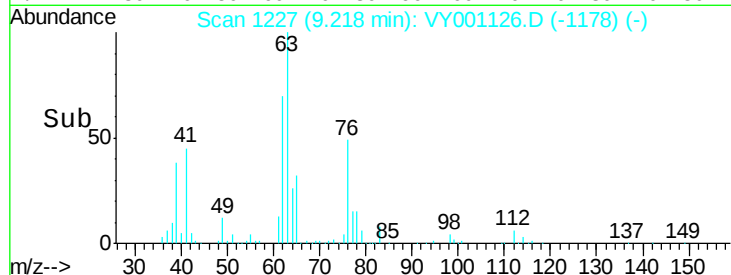
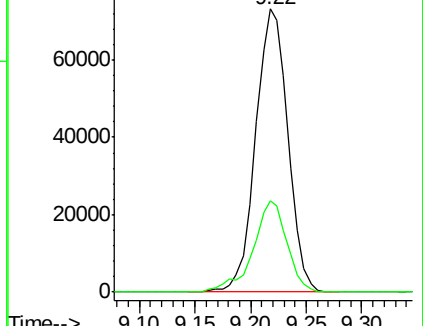
apatel

12/31/2019 12:08:49 PM



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 43.415 ug/l

RT: 9.31 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

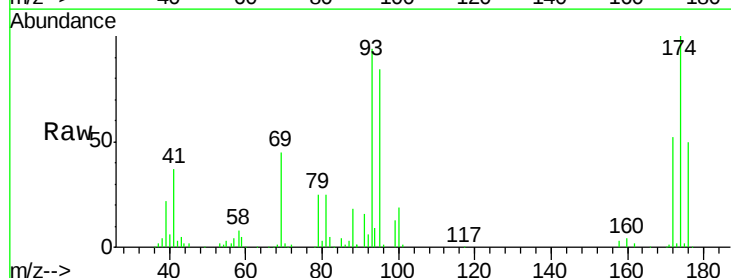
Tgt Ion: 93 Resp: 87681

Ion Ratio Lower Upper

93 100

95 85.5 66.7 100.1

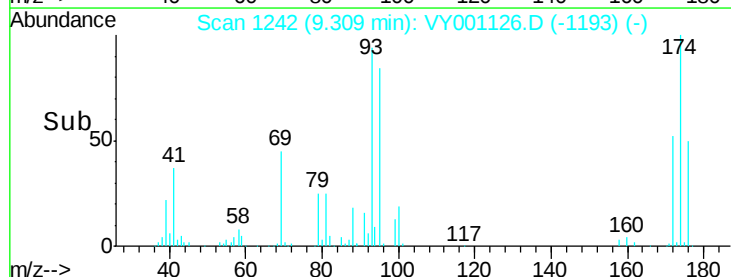
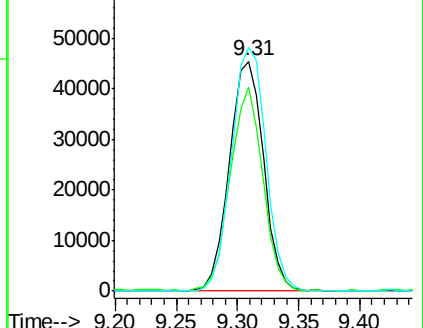
174 107.4 73.6 110.4

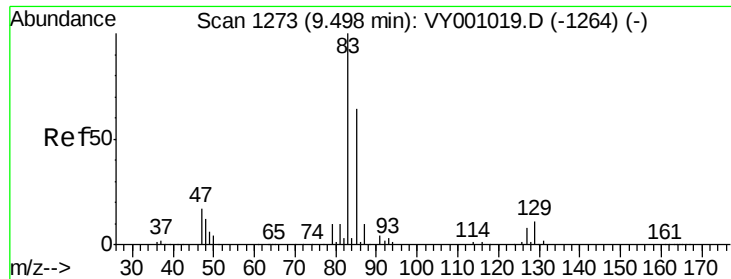


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): VY0





#47

Bromodichloromethane

Concen: 46.232 ug/l

RT: 9.50 min Scan# 1273

Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 216276

Ion Ratio Lower Upper

83 100

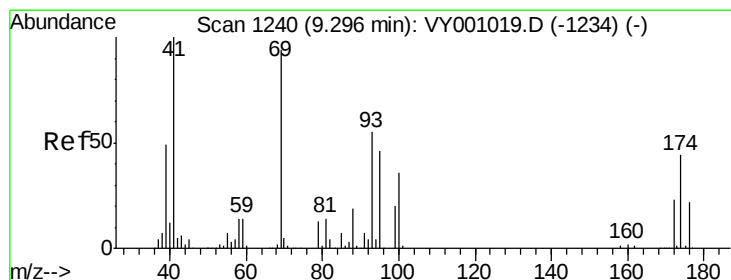
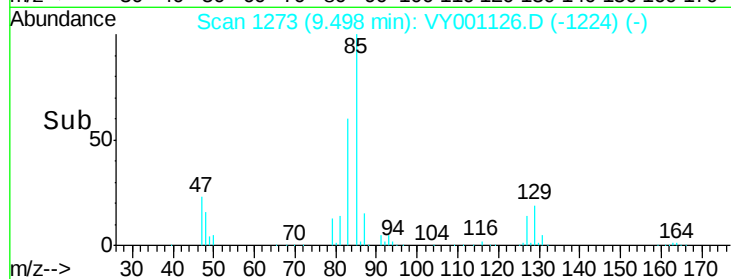
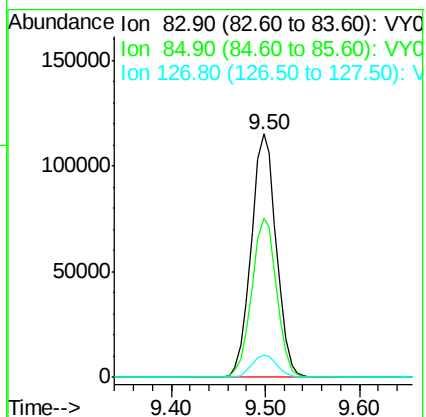
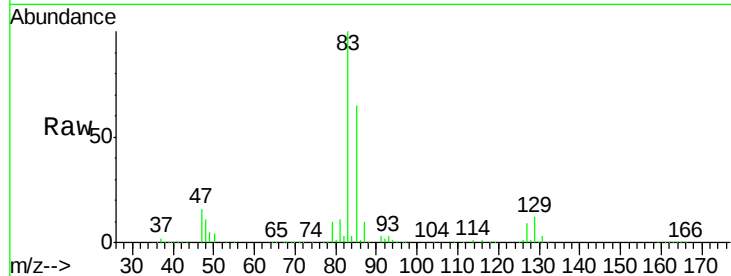
85 65.4 50.9 76.3

127 9.2 6.4 9.6

Manual Integrations
APPROVED

apatel

12/31/2019 12:08:49 PM



#48

Methyl methacrylate

Concen: 31.557 ug/l

RT: 9.29 min Scan# 1239

Delta R.T. -0.01 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

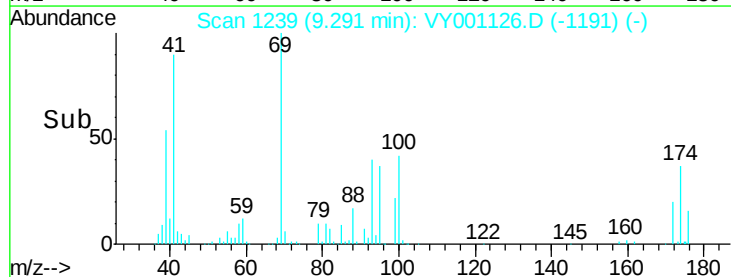
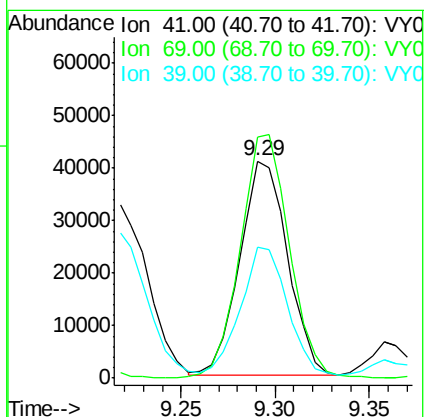
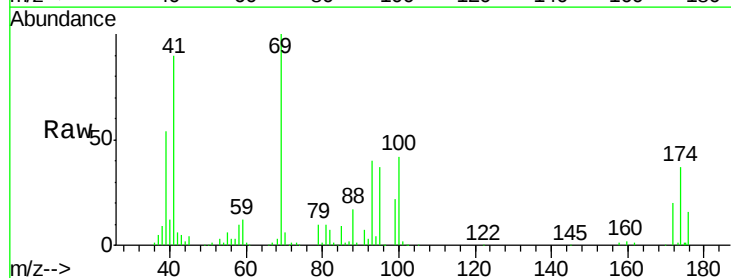
Tgt Ion: 41 Resp: 71454

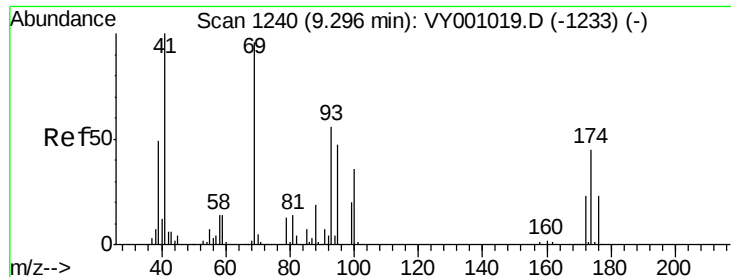
Ion Ratio Lower Upper

41 100

69 117.1 79.8 119.6

39 62.1 41.7 62.5





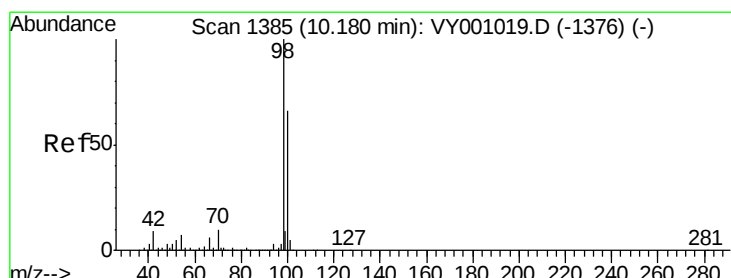
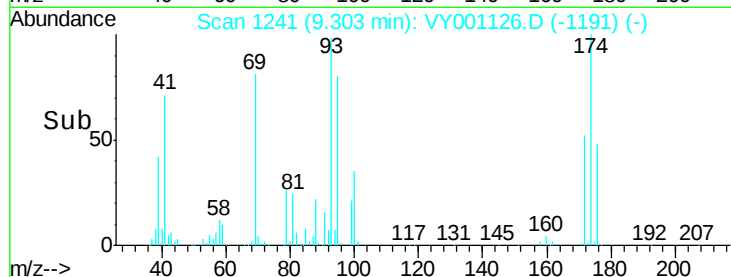
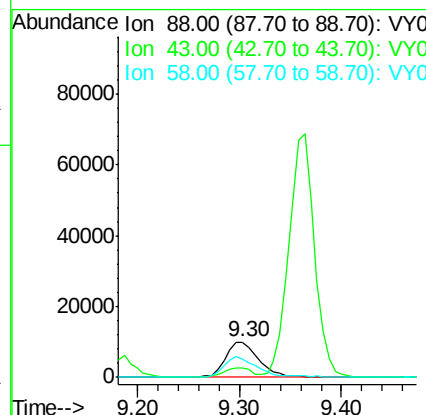
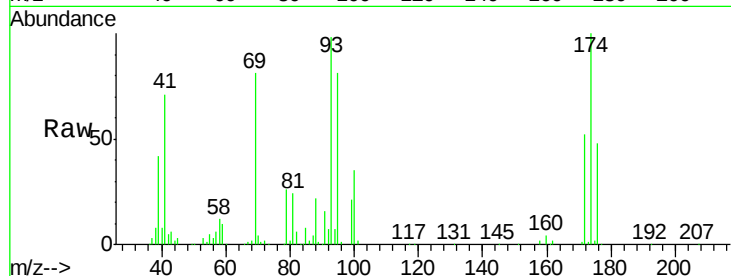
#49
1,4-Dioxane
Concen: 779.366 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. 0.01 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	23025
Ion	Ratio	Lower	Upper
88	100		
43	22.7	23.0	34.4#
58	56.0	54.9	82.3

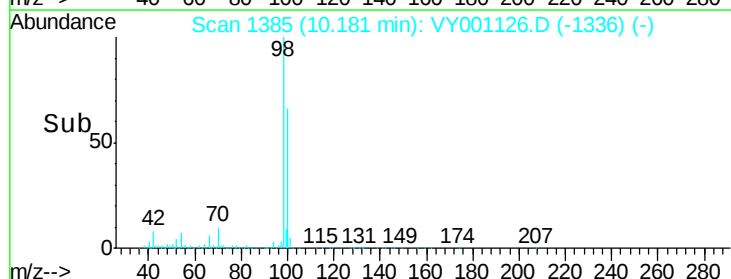
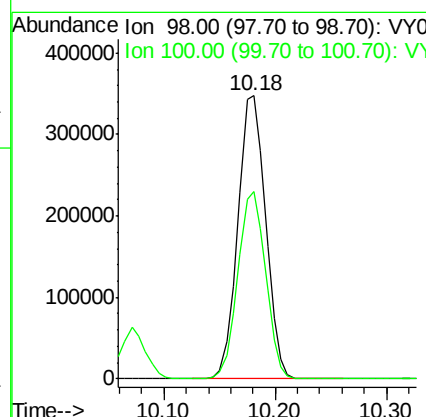
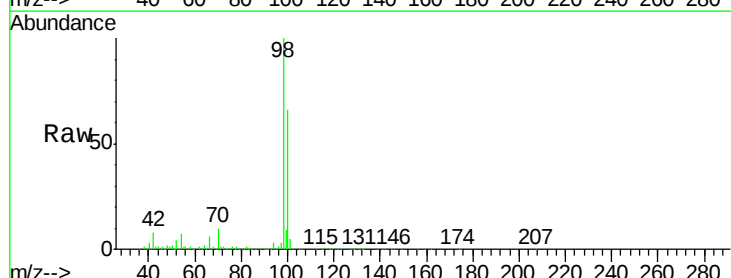
Manual Integrations
APPROVED

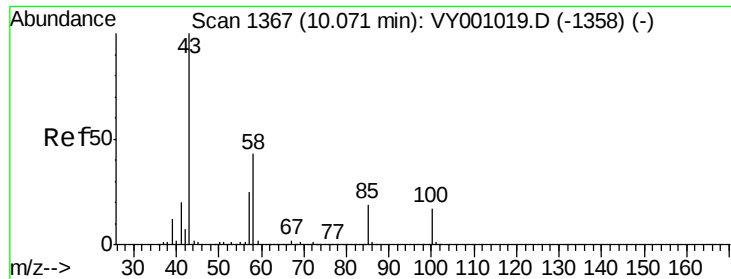
apatel
12/31/2019 12:08:49 PM



#50
Toluene-d8
Concen: 48.108 ug/l
RT: 10.18 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion	98	Resp	600734
Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 145.118 ug/l

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 401338

Ion Ratio Lower Upper

43 100

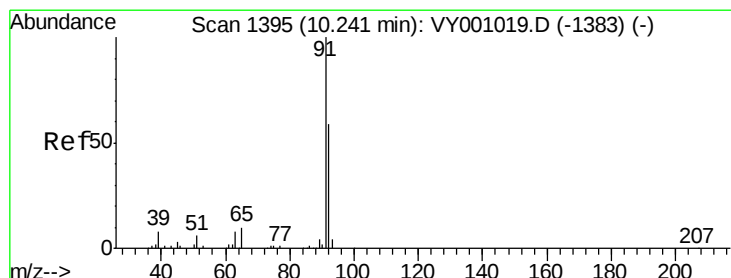
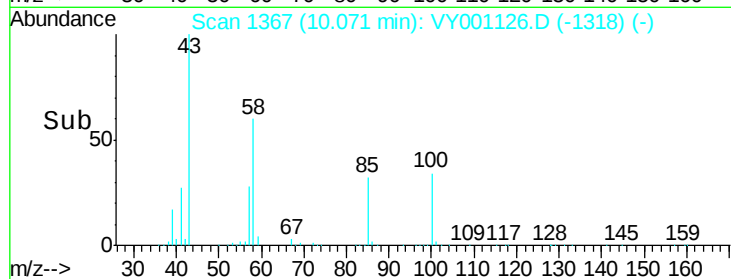
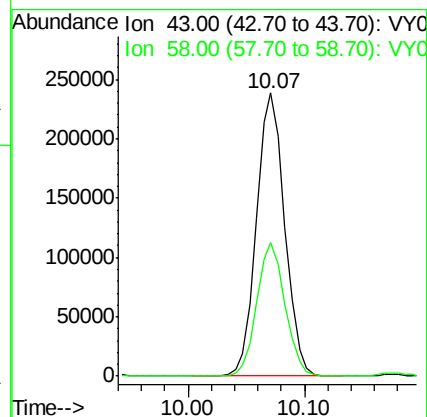
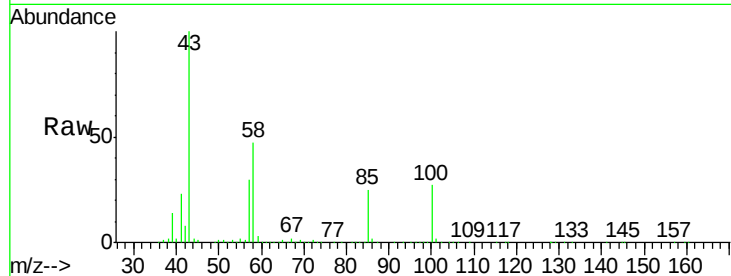
58 47.1 34.6 52.0

Manual Integrations

APPROVED

apatel

12/31/2019 12:08:49 PM



#52

Toluene

Concen: 44.401 ug/l

RT: 10.24 min Scan# 1395

Delta R.T. 0.00 min

Lab File: VY001126.D

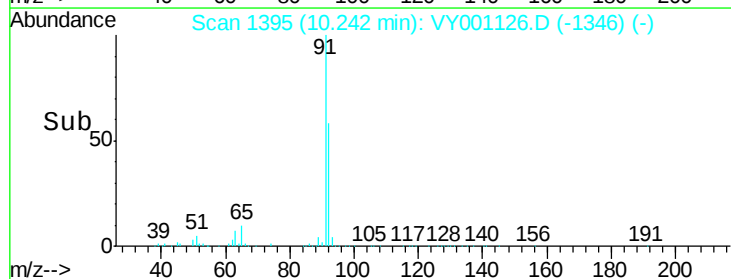
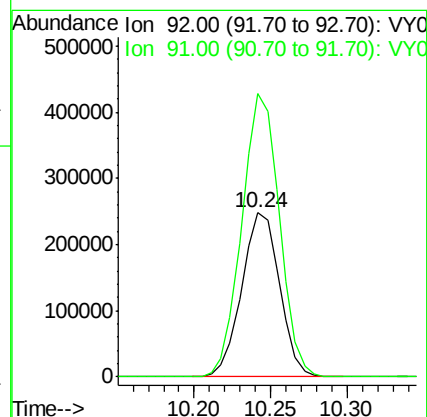
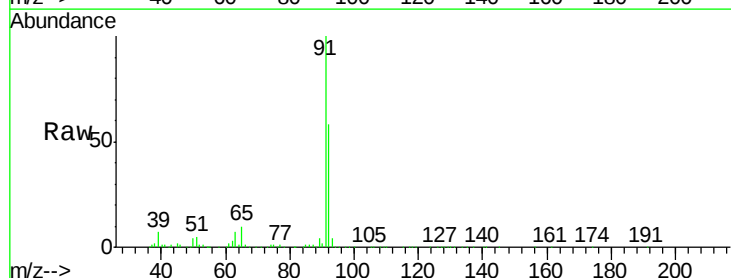
Acq: 30 Dec 2019 16:48

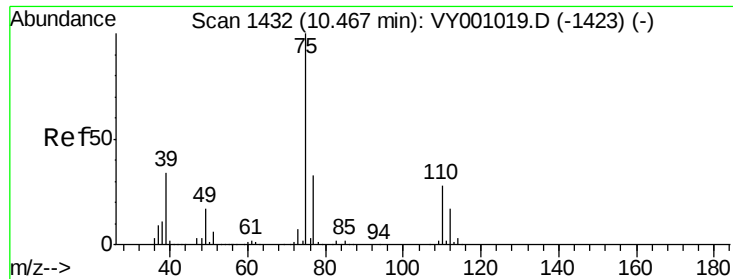
Tgt Ion: 92 Resp: 426792

Ion Ratio Lower Upper

92 100

91 171.2 135.7 203.5





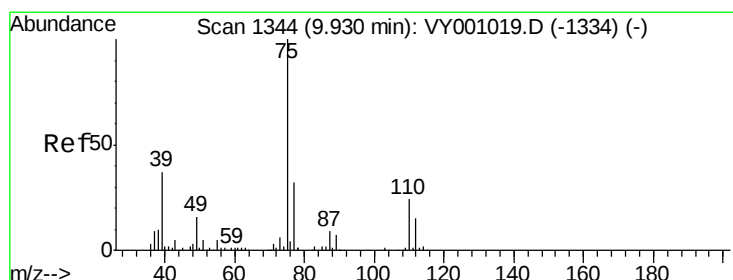
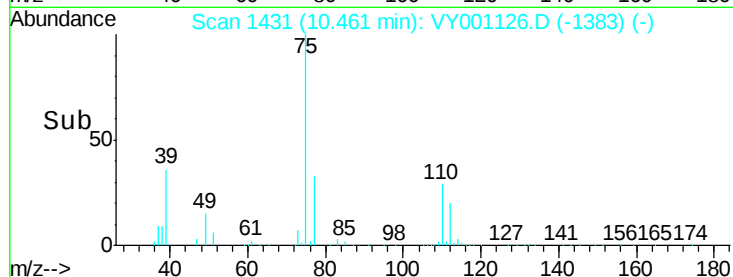
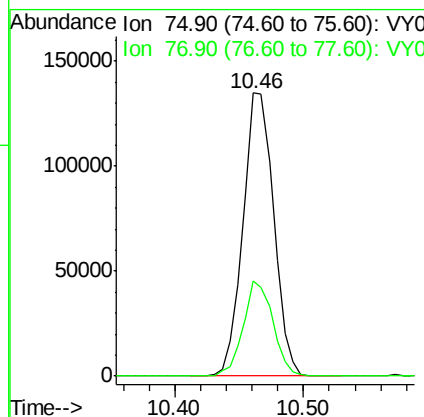
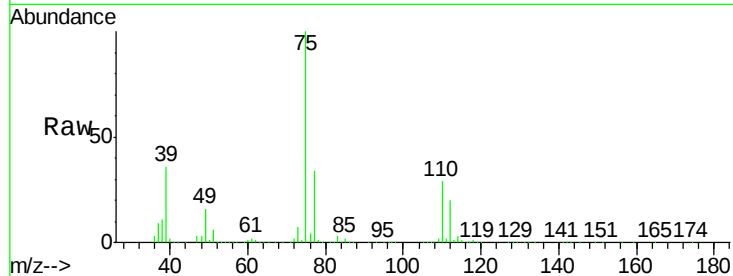
#53
t-1,3-Dichloropropene
Concen: 43.748 ug/l
RT: 10.46 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 222110
Ion Ratio Lower Upper
75 100
77 33.3 26.5 39.7

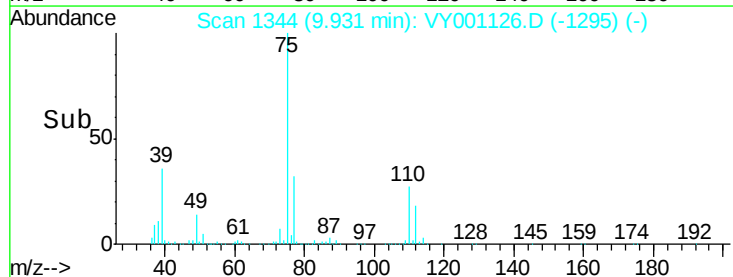
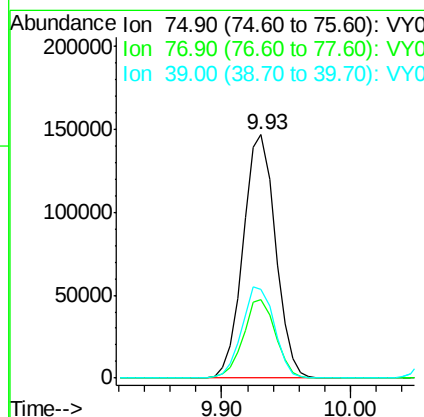
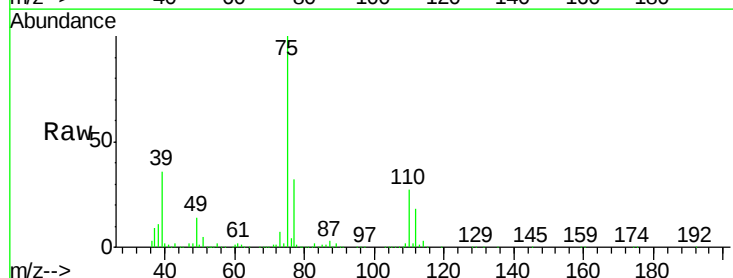
Manual Integrations
APPROVED

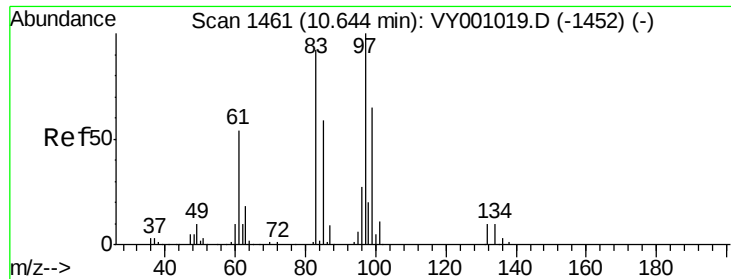
apatel
12/31/2019 12:08:49 PM



#54
cis-1,3-Dichloropropene
Concen: 41.590 ug/l
RT: 9.93 min Scan# 1344
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion: 75 Resp: 253903
Ion Ratio Lower Upper
75 100
77 32.2 25.2 37.8
39 36.2 29.5 44.3





#55

1,1,2-Trichloroethane

Concen: 43.938 ug/l

RT: 10.64 min Scan# 1461

Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 132473

Ion Ratio Lower Upper

97 100

83 77.8 73.7 110.5

85 51.2 47.3 70.9

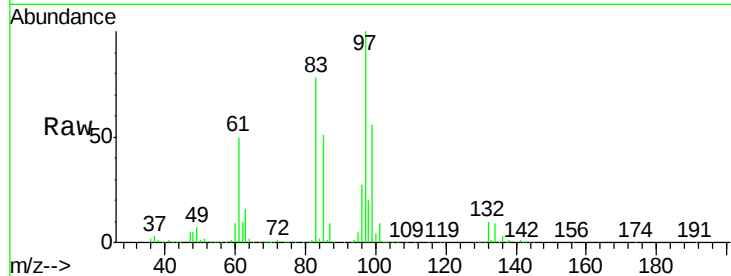
99 56.6 51.9 77.9

Manual Integrations

APPROVED

apatel

12/31/2019 12:08:49 PM

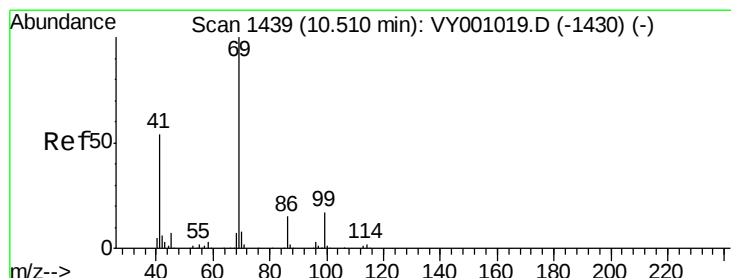
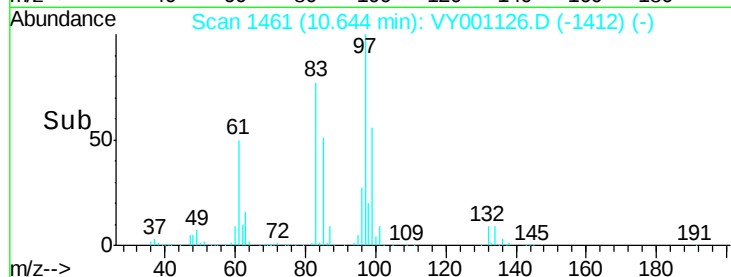
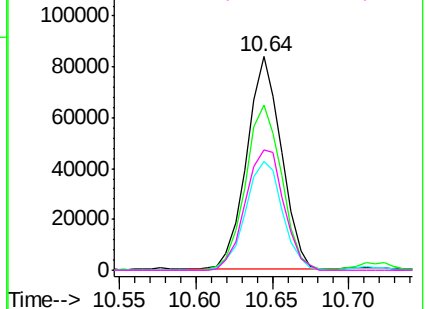


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 38.678 ug/l

RT: 10.51 min Scan# 1439

Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

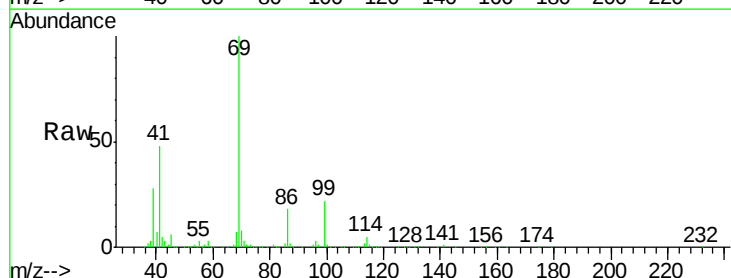
Tgt Ion: 69 Resp: 165971

Ion Ratio Lower Upper

69 100

41 48.9 44.7 67.1

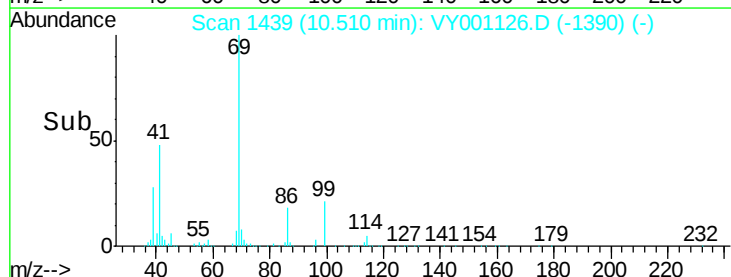
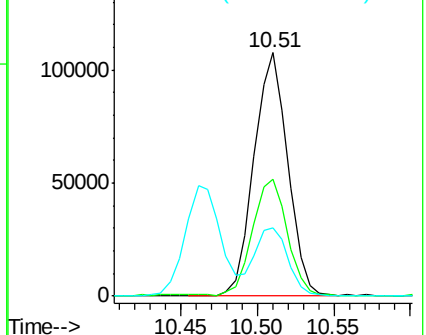
39 28.6 22.2 33.4

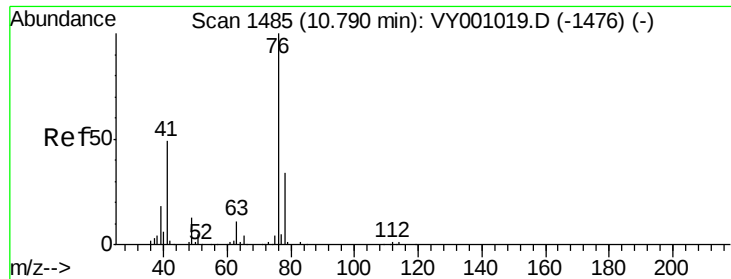


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





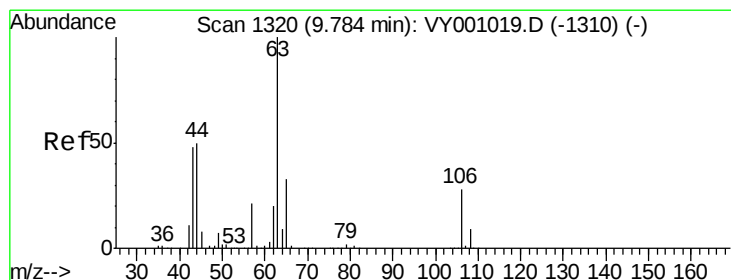
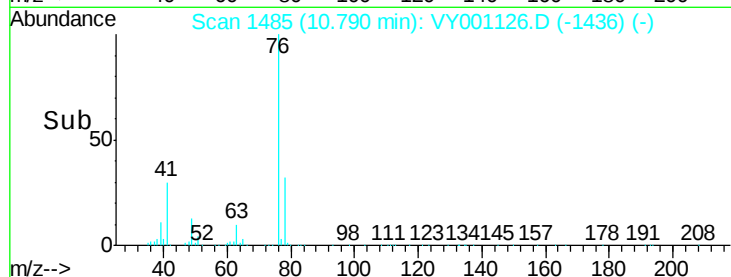
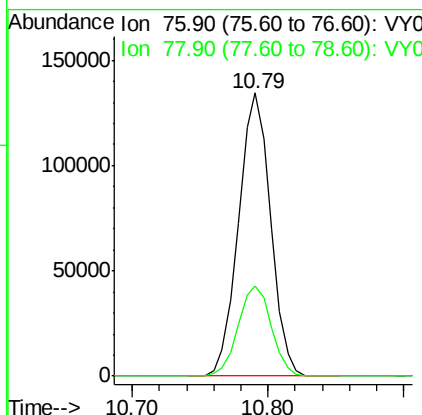
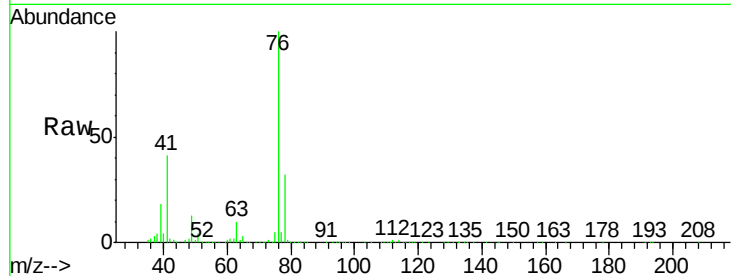
#57
 1,3-Dichloropropane
 Concen: 41.773 ug/l
 RT: 10.79 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VY001126.D
 Acq: 30 Dec 2019 16:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 220762
 Ion Ratio Lower Upper
 76 100
 78 33.1 25.8 38.8

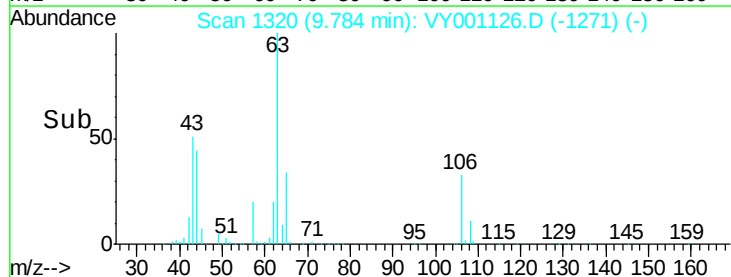
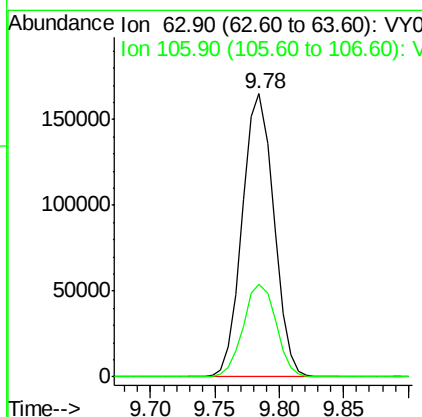
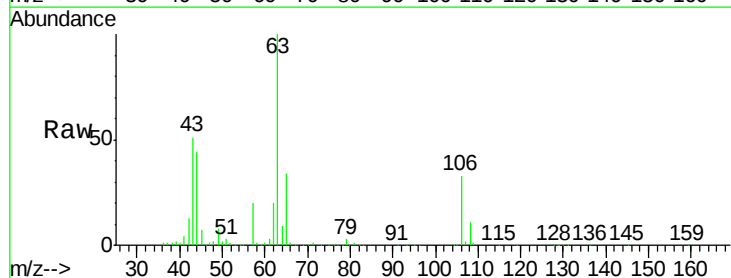
Manual Integrations
 APPROVED

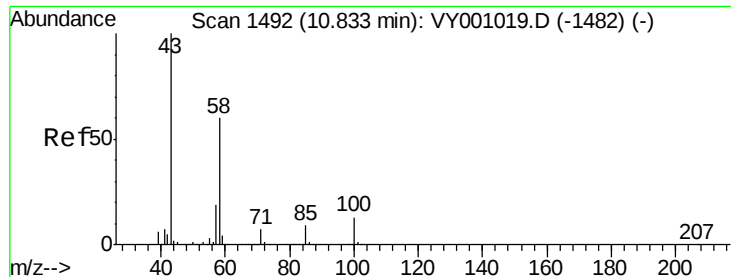
apatel
 12/31/2019 12:08:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 168.761 ug/l
 RT: 9.78 min Scan# 1320
 Delta R.T. 0.00 min
 Lab File: VY001126.D
 Acq: 30 Dec 2019 16:48

Tgt Ion: 63 Resp: 279701
 Ion Ratio Lower Upper
 63 100
 106 34.0 22.7 34.1





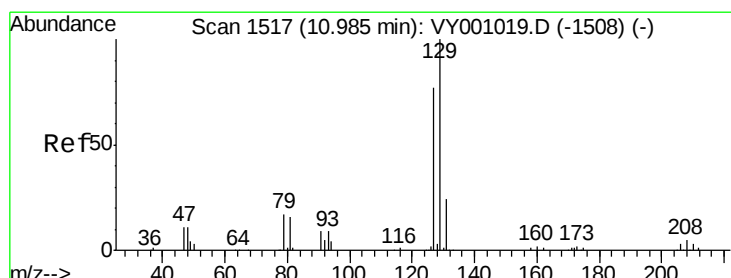
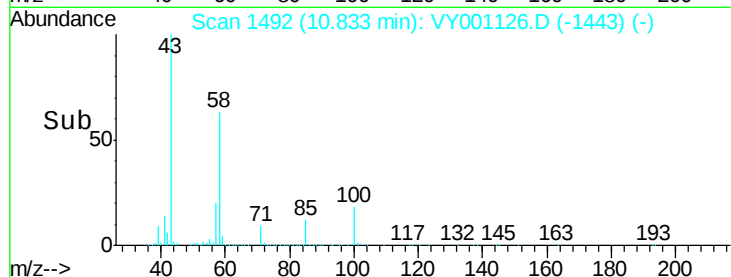
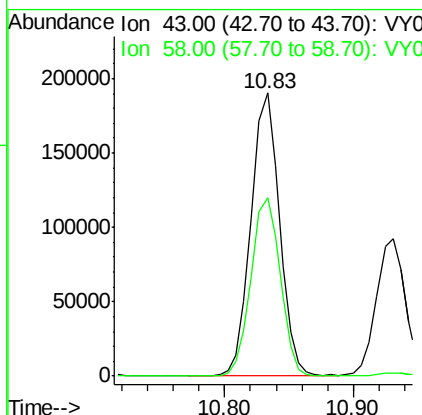
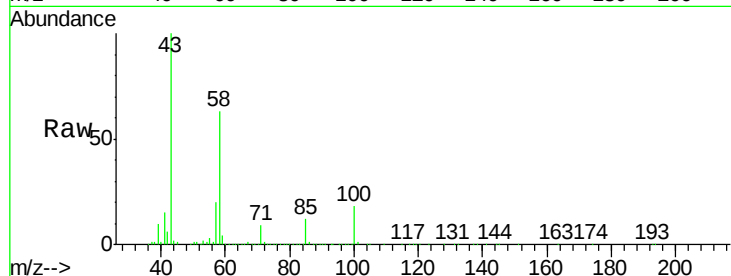
#59
2-Hexanone
Concen: 152.022 ug/l
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	64.7	30.6	91.6

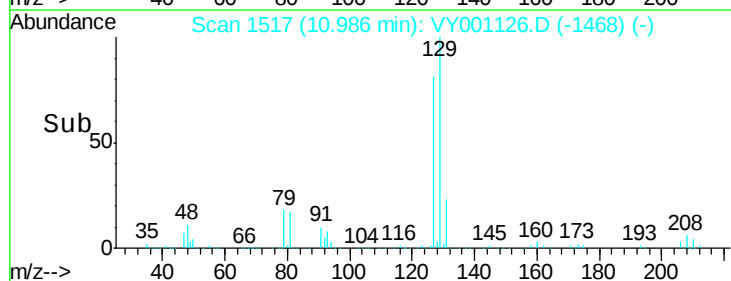
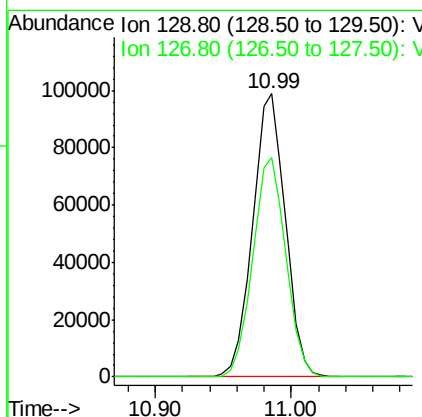
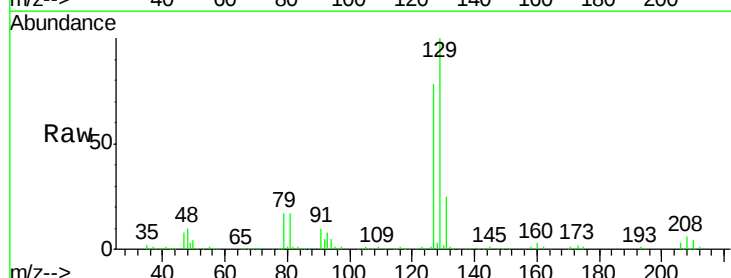
Manual Integrations
APPROVED

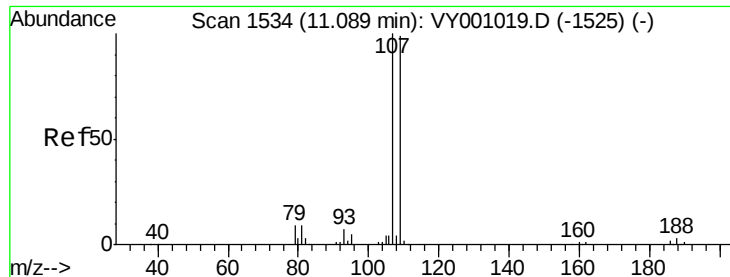
apatel
12/31/2019 12:08:49 PM



#60
Dibromochloromethane
Concen: 51.604 ug/l
RT: 10.99 min Scan# 1517
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.1	117.3





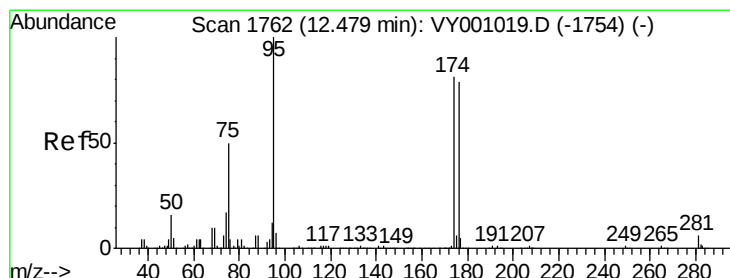
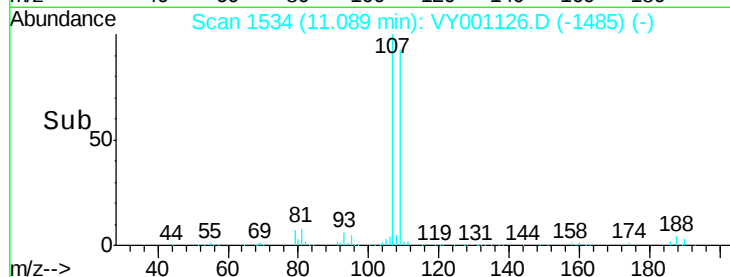
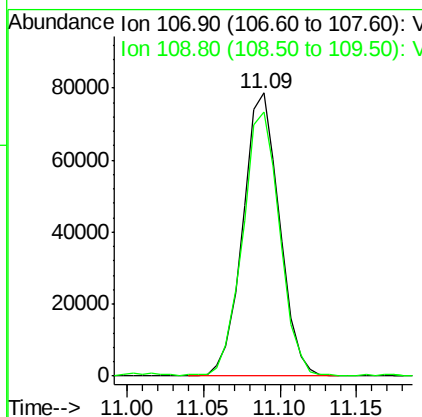
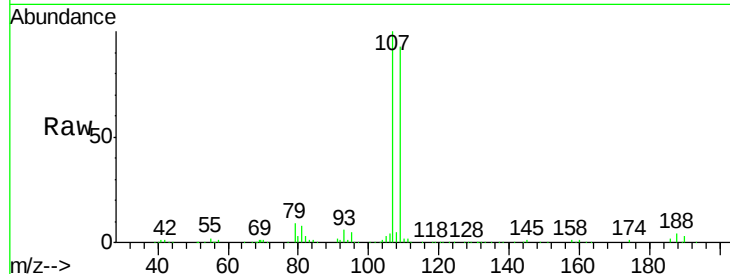
#61
 1,2-Dibromoethane
 Concen: 45.320 ug/l
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY001126.D
 Acq: 30 Dec 2019 16:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	74.8	112.2

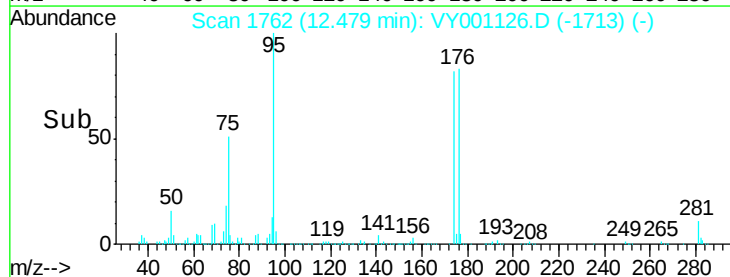
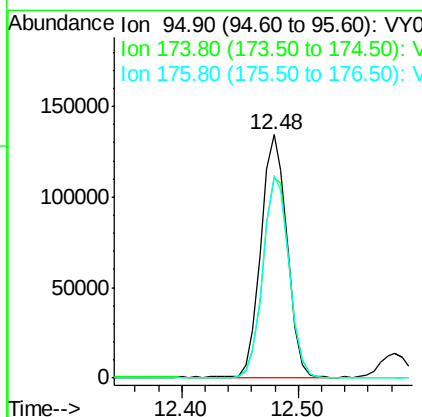
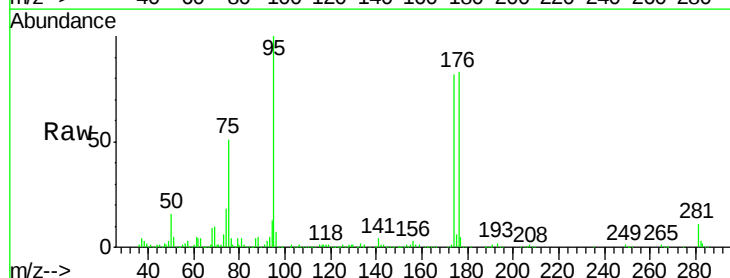
Manual Integrations
 APPROVED

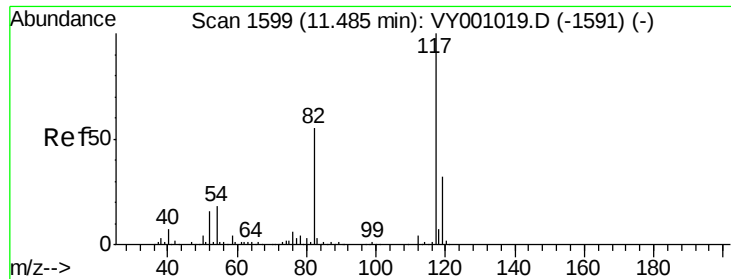
apatel
 12/31/2019 12:08:49 PM



#62
 4-Bromofluorobenzene
 Concen: 45.911 ug/l
 RT: 12.48 min Scan# 1762
 Delta R.T. 0.00 min
 Lab File: VY001126.D
 Acq: 30 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.2	0.0	156.4
176	83.1	0.0	155.0





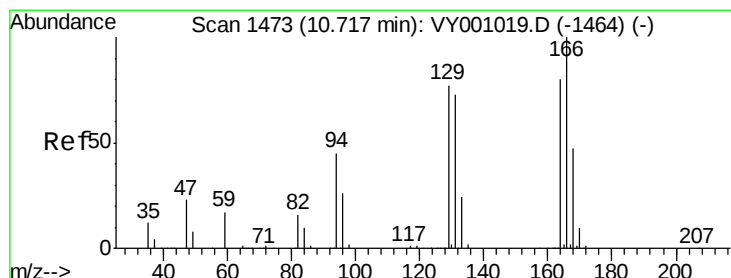
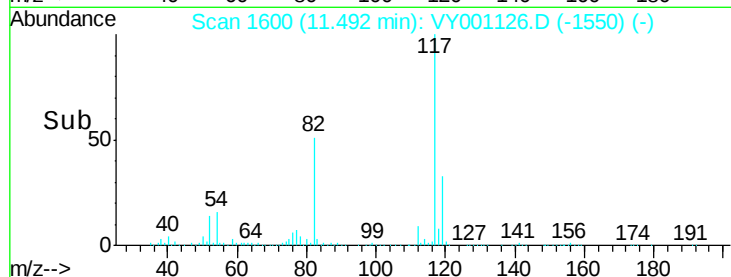
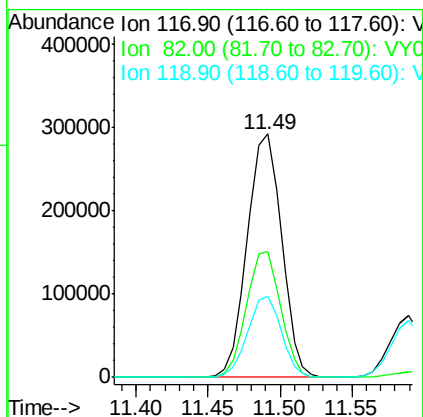
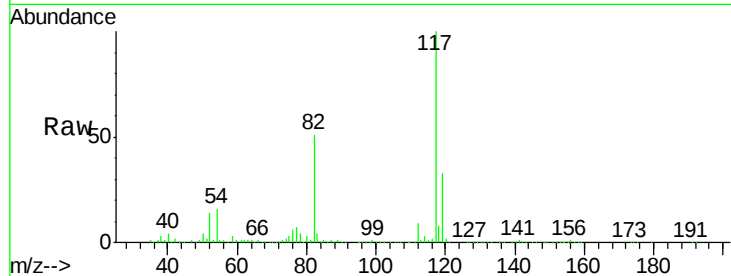
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.49 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	481657		
82	51.4	43.8	65.8	
119	33.2	25.8	38.6	

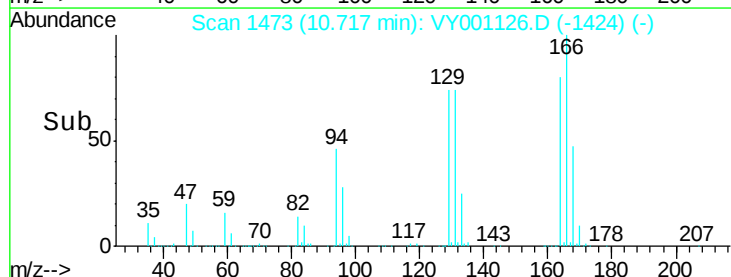
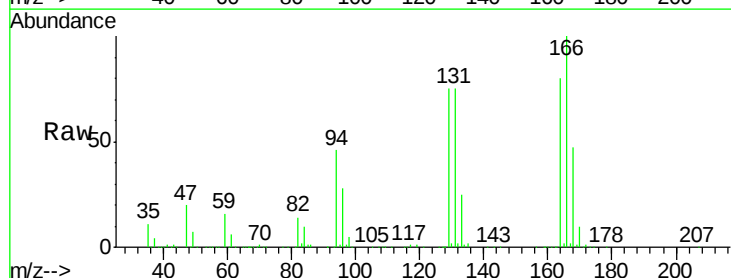
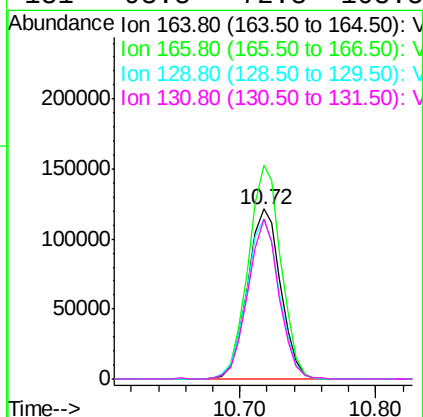
Manual Integrations
APPROVED

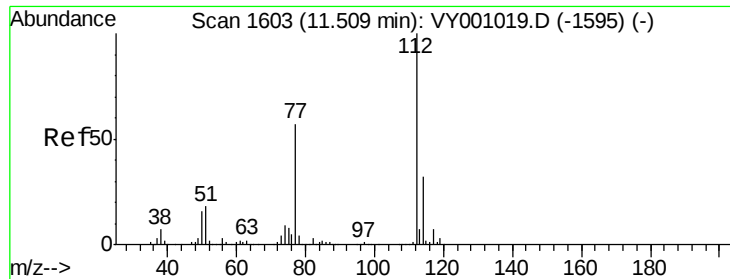
apatel
12/31/2019 12:08:49 PM



#64
Tetrachloroethene
Concen: 49.674 ug/l
RT: 10.72 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	207014		
166	125.6	99.7	149.5	
129	93.9	76.9	115.3	
131	93.8	72.3	108.5	





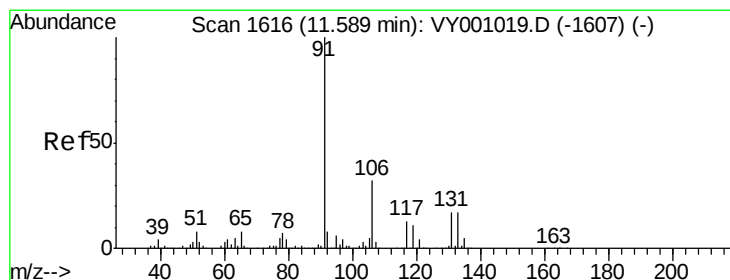
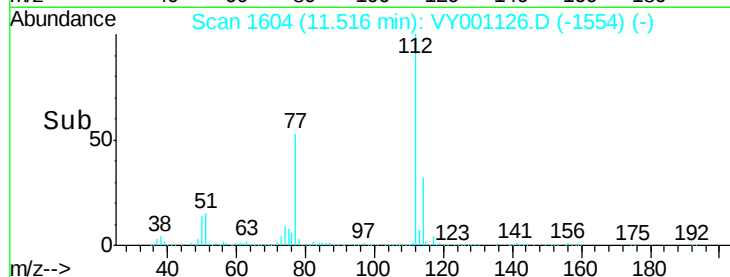
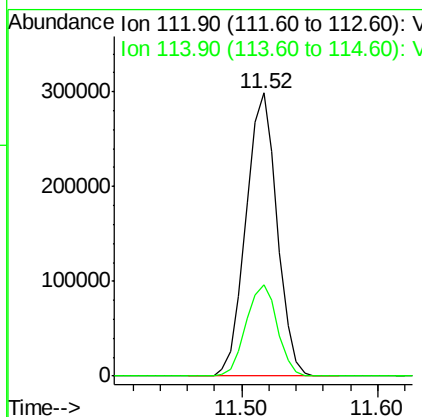
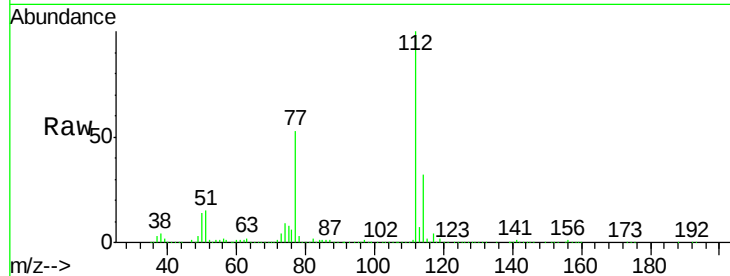
#65
Chlorobenzene
Concen: 47.940 ug/l
RT: 11.52 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 478967
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.2

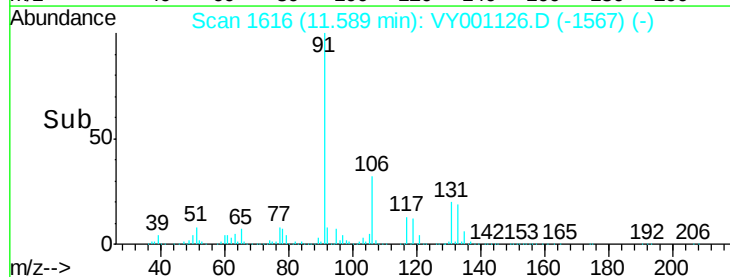
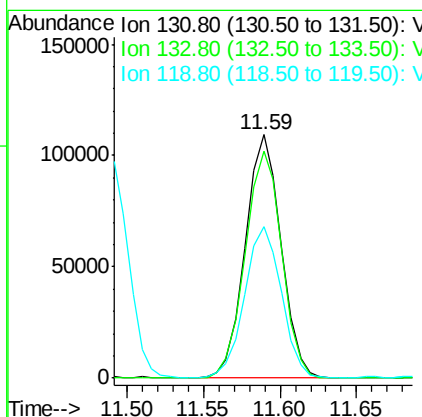
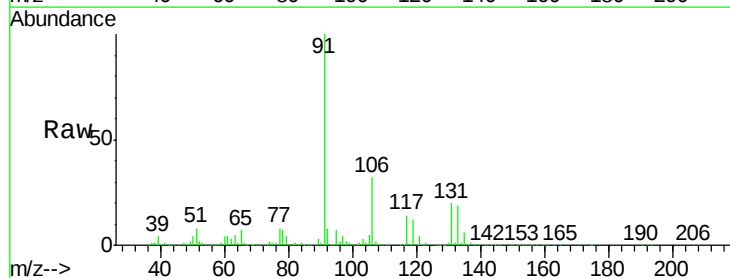
Manual Integrations
APPROVED

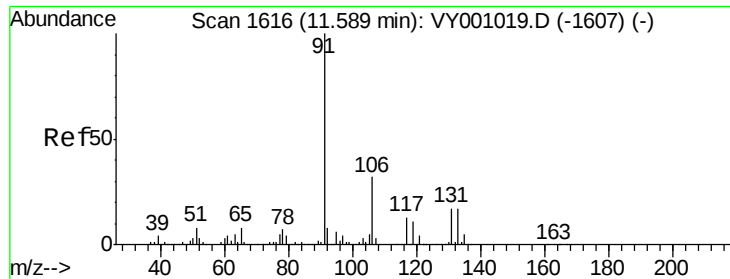
apatel
12/31/2019 12:08:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.609 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion:131 Resp: 176754
Ion Ratio Lower Upper
131 100
133 95.8 48.1 144.4
119 64.0 34.0 101.8





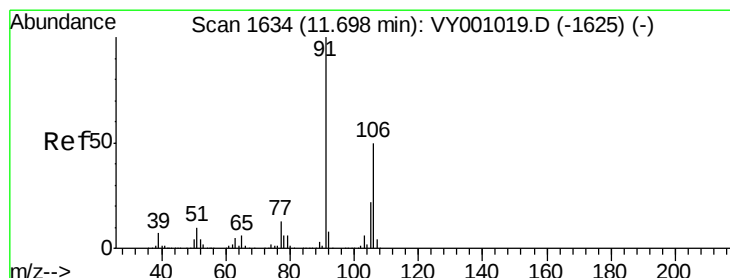
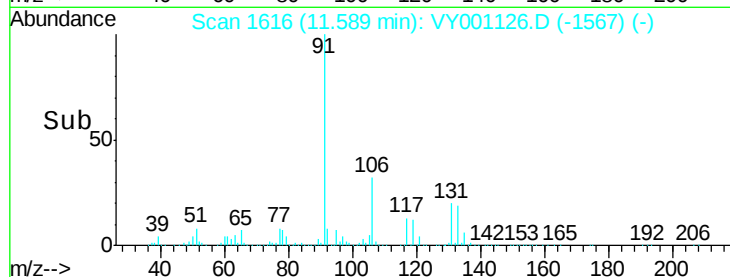
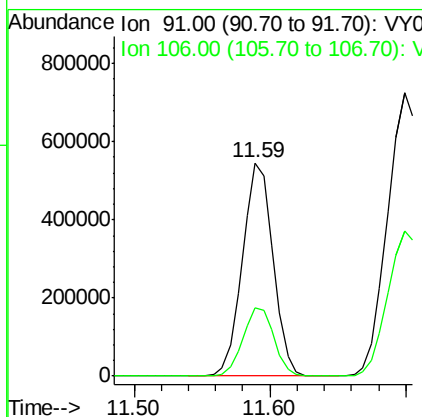
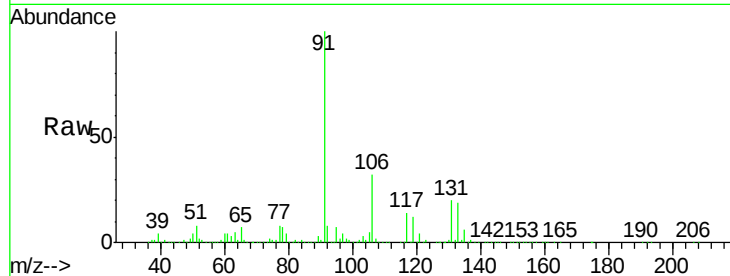
#67
Ethyl Benzene
Concen: 47.749 ug/l
RT: 11.59 min Scan# 1616
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 858082
Ion Ratio Lower Upper
91 100
106 31.9 25.3 37.9

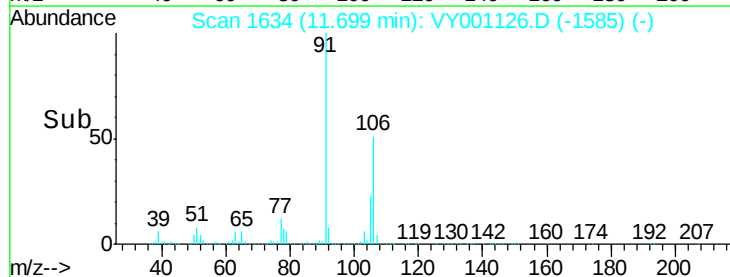
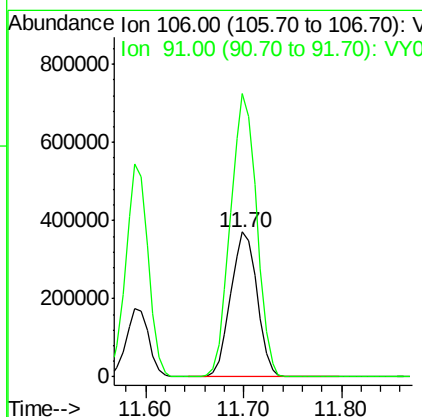
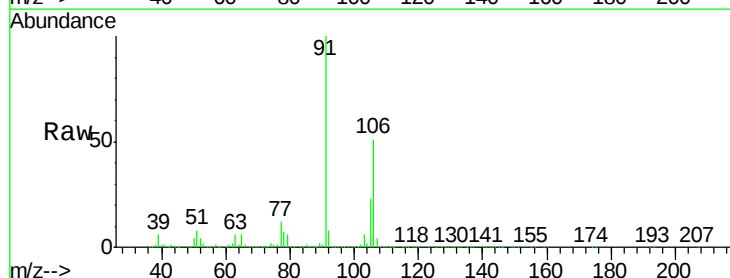
Manual Integrations
APPROVED

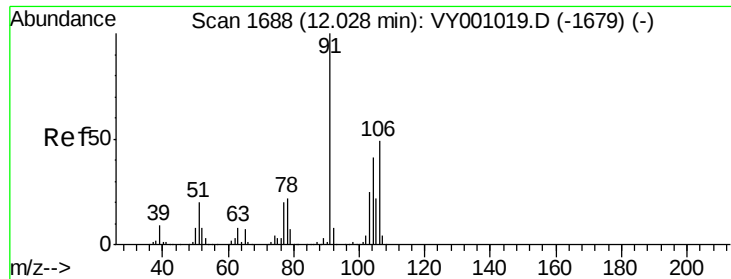
apatel
12/31/2019 12:08:49 PM



#68
m/p-Xylenes
Concen: 101.750 ug/l
RT: 11.70 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion: 106 Resp: 694281
Ion Ratio Lower Upper
106 100
91 193.9 156.4 234.6





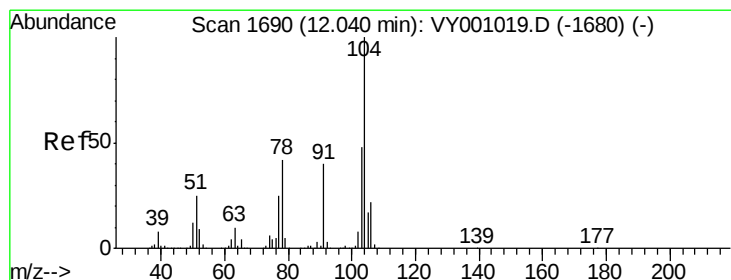
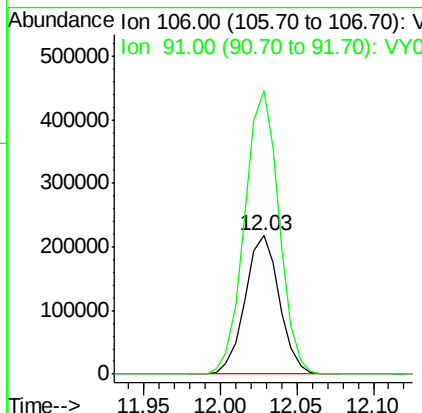
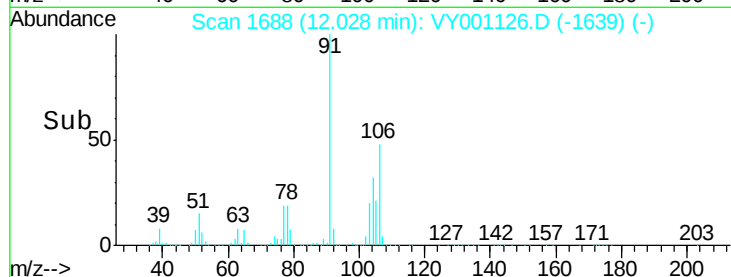
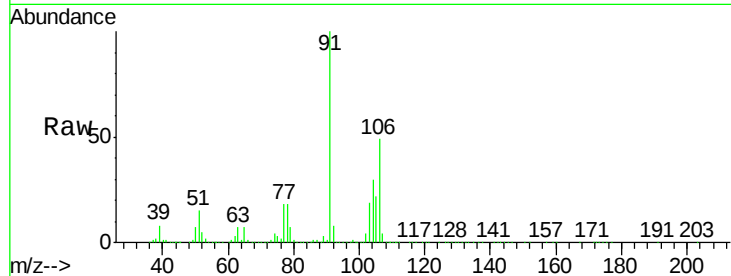
#69
o-Xylene
Concen: 52.590 ug/l
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 337585
Ion Ratio Lower Upper
106 100
91 206.2 103.0 309.0

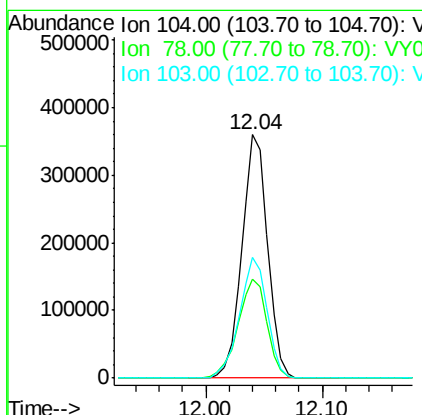
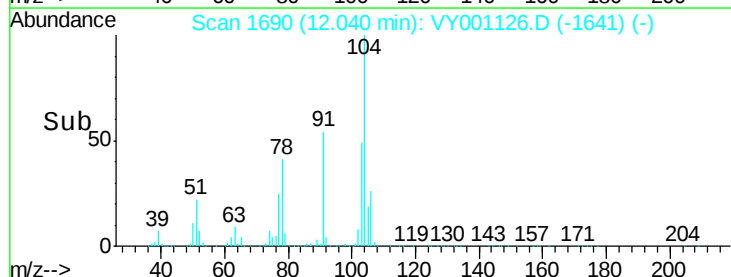
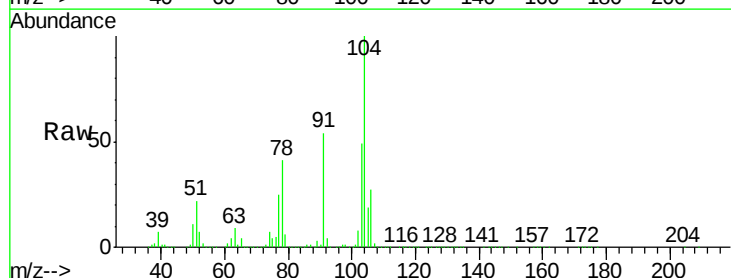
Manual Integrations
APPROVED

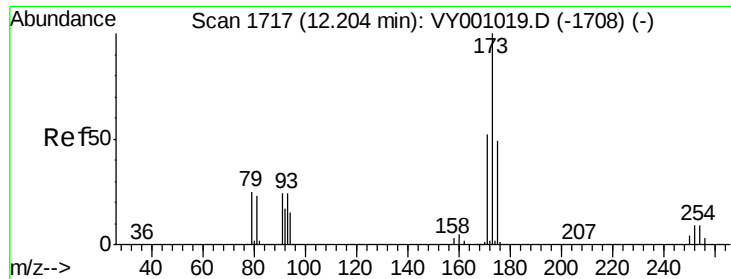
apatel
12/31/2019 12:08:49 PM



#70
Styrene
Concen: 50.600 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion:104 Resp: 552301
Ion Ratio Lower Upper
104 100
78 46.1 36.6 54.8
103 53.4 42.6 64.0





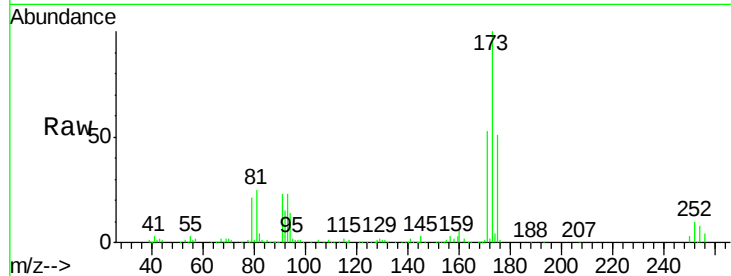
#71
Bromoform
Concen: 52.770 ug/l
RT: 12.20 min Scan# 1717
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

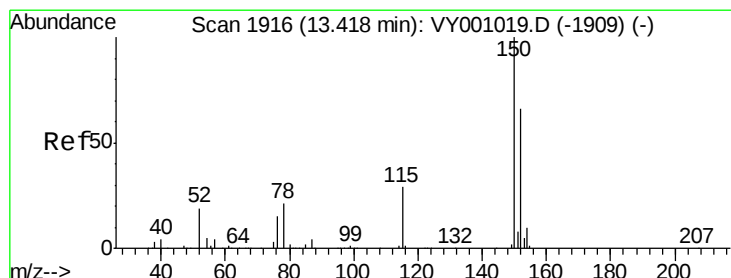
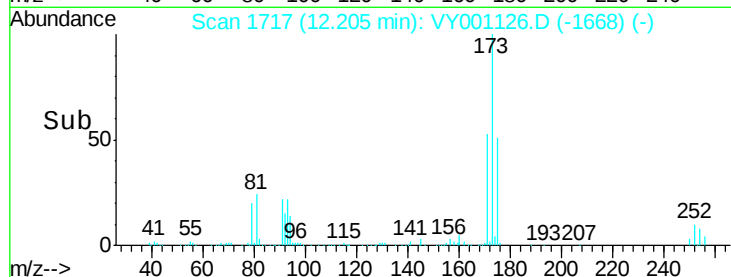
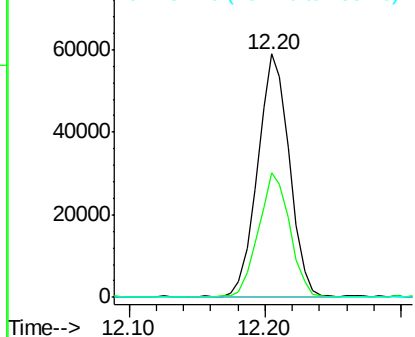
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.5	73.5
254	0.0	0.0	0.0

Manual Integrations
APPROVED

apatel
12/31/2019 12:08:49 PM

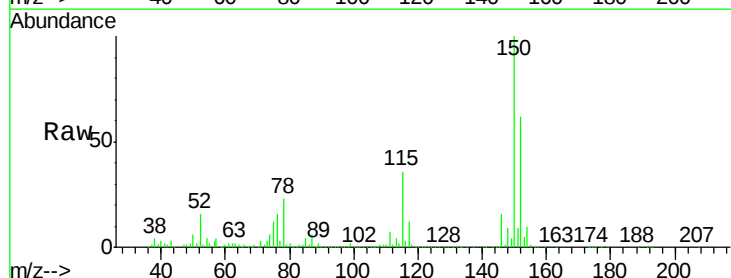


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

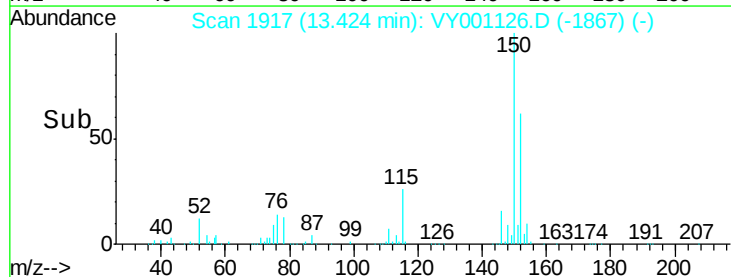
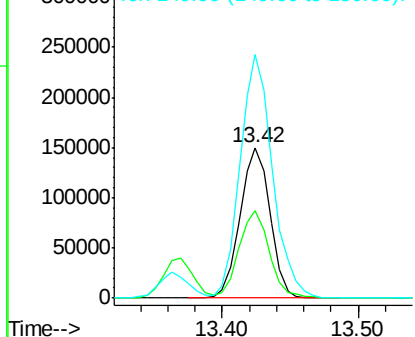


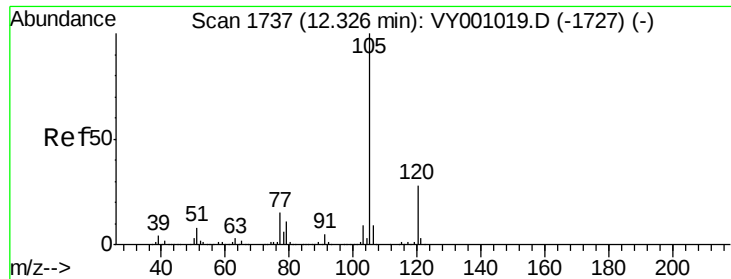
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.42 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.8	89.3
150	174.8	0.0	352.6



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





#73

Isopropylbenzene

Concen: 47.841 ug/l

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 850629

Ion Ratio Lower Upper

105 100

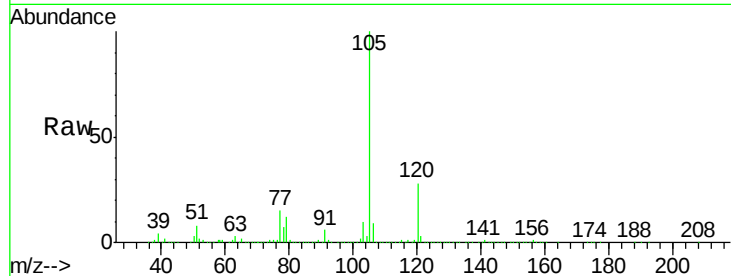
120 27.8 13.4 40.2

Manual Integrations

APPROVED

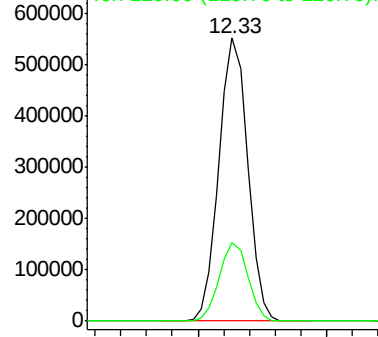
apatel

12/31/2019 12:08:49 PM

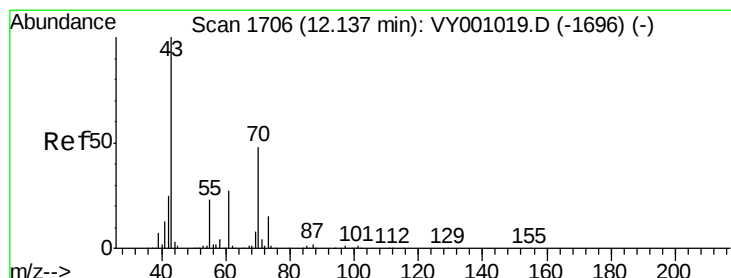
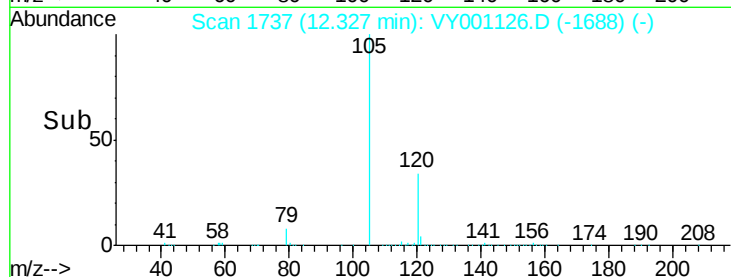


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->



#74

N-ethyl acetate

Concen: 33.687 ug/l

RT: 12.14 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Tgt Ion: 43 Resp: 157353

Ion Ratio Lower Upper

43 100

70 55.1 39.0 58.6

55 26.5 19.5 29.3

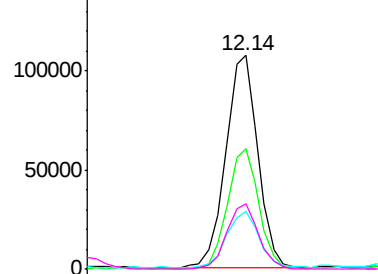
61 30.1 22.0 33.0

Abundance Ion 43.00 (42.70 to 43.70): VY0

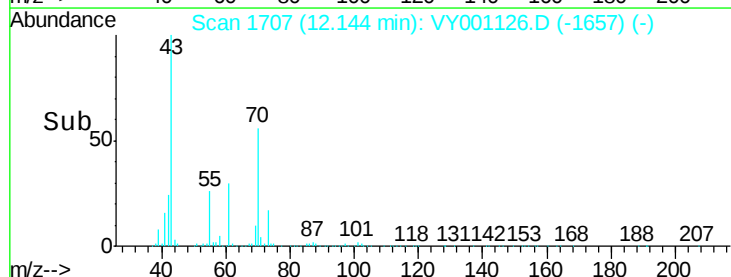
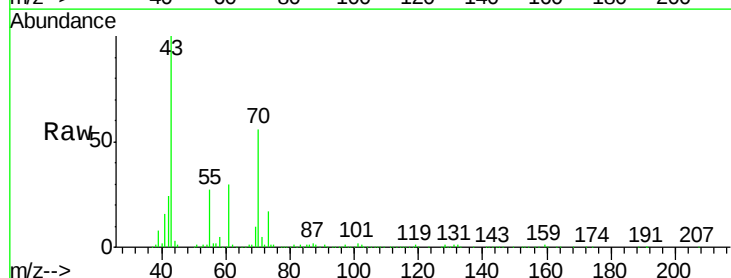
Ion 70.00 (69.70 to 70.70): VY0

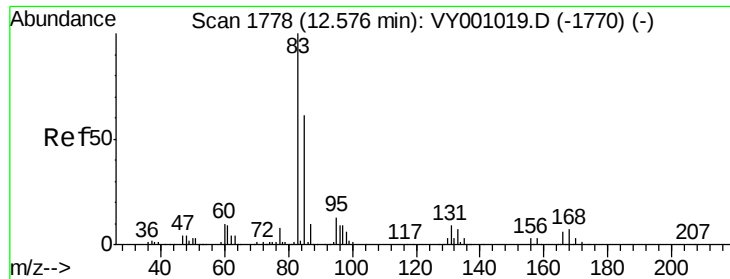
Ion 55.00 (54.70 to 55.70): VY0

Ion 61.00 (60.70 to 61.70): VY0



Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 38.805 ug/l

RT: 12.58 min Scan# 1779

Delta R.T. 0.01 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Instrument :

MSVOA_Y

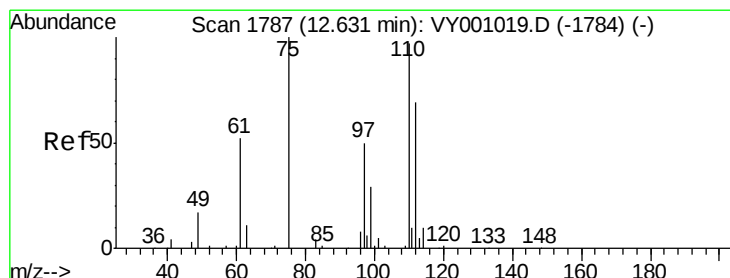
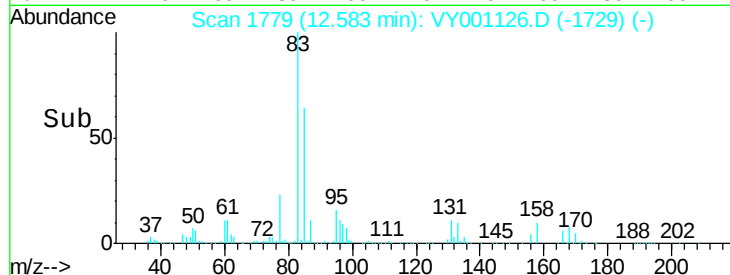
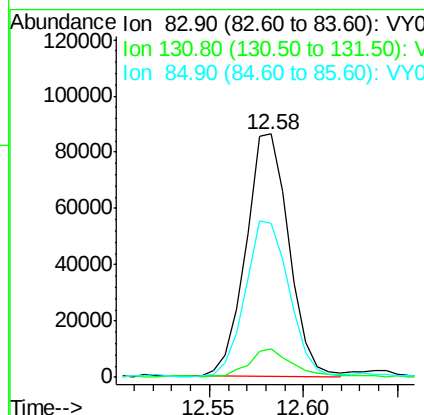
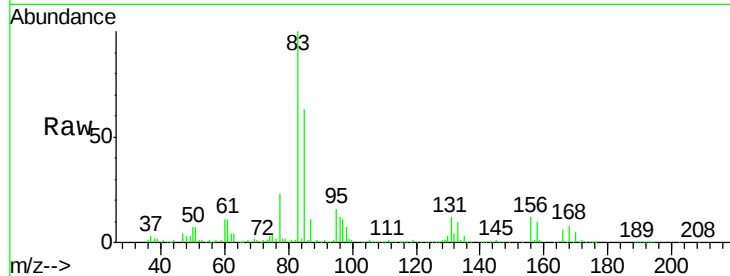
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	135923
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.1	15.3
85	65.8	32.1	96.5

Manual Integrations
APPROVED

apatel
12/31/2019 12:08:49 PM



#76

1,2,3-Trichloropropane

Concen: 34.957 ug/l m

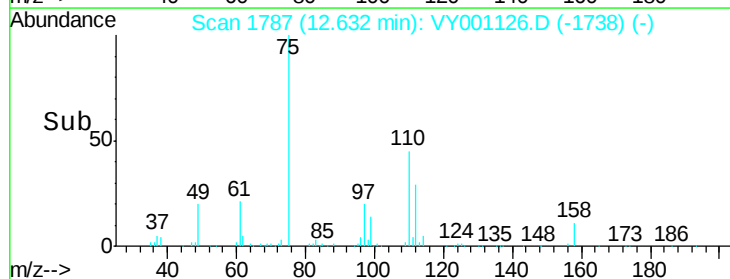
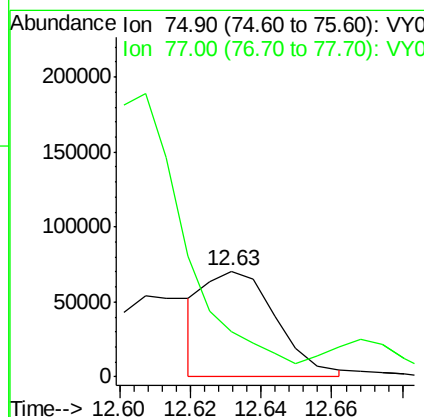
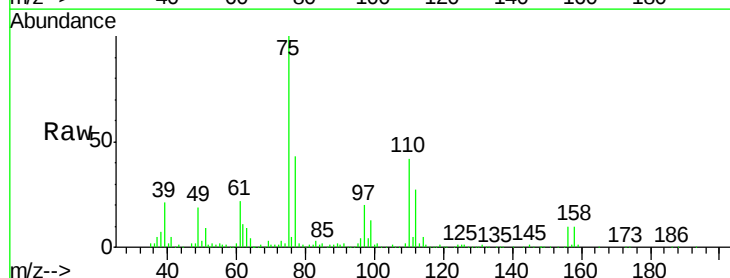
RT: 12.63 min Scan# 1787

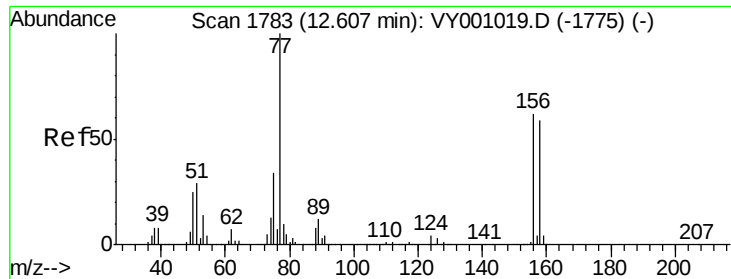
Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Tgt Ion:	75	Resp:	99016
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





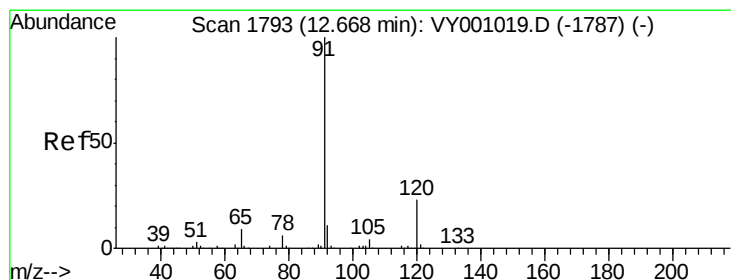
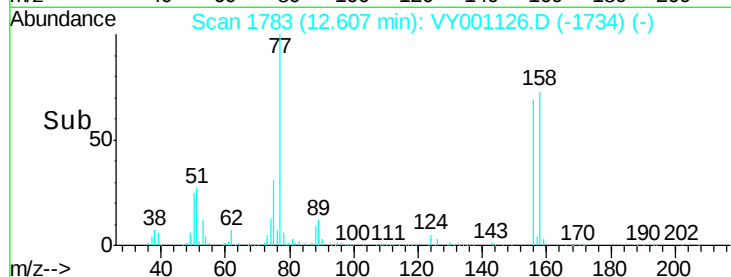
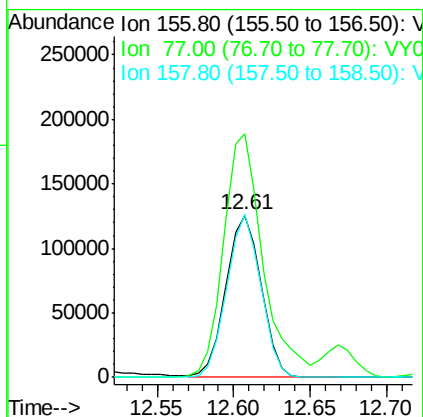
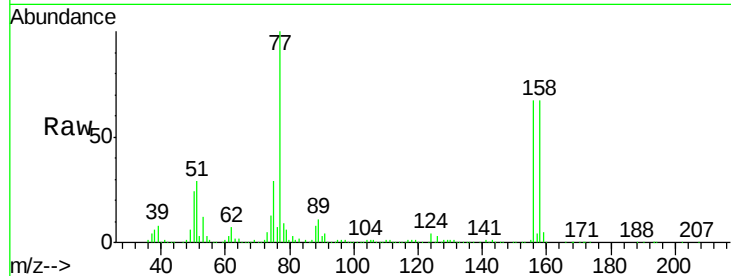
#77
Bromobenzene
Concen: 50.103 ug/l
RT: 12.61 min Scan# 1783
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.7	98.0	294.1
158	97.1	48.5	145.6

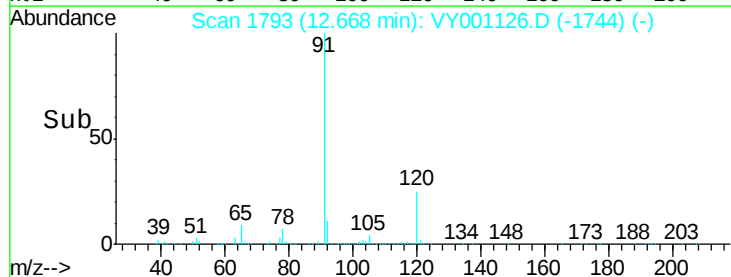
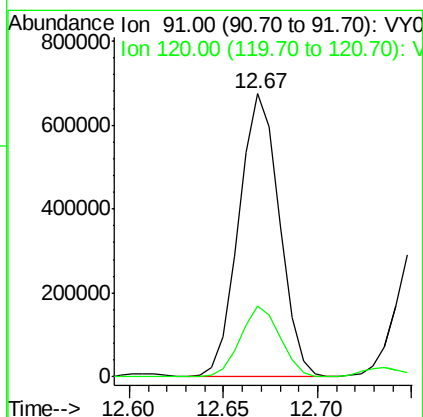
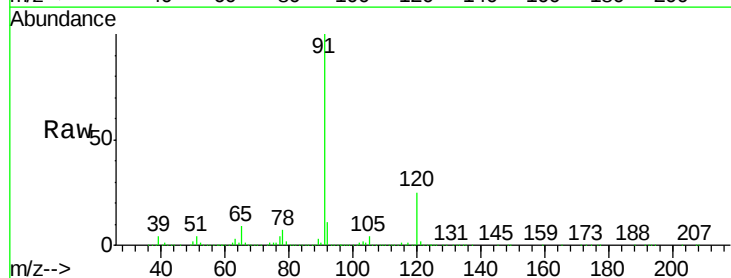
Manual Integrations
APPROVED

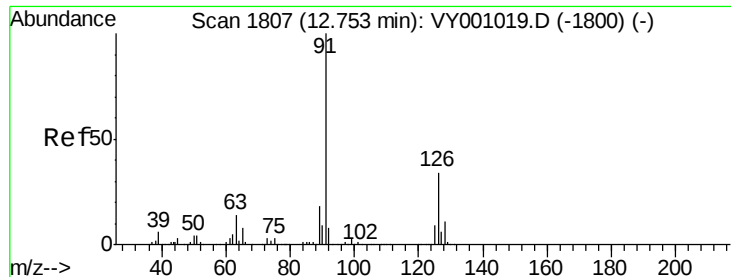
apatel
12/31/2019 12:08:49 PM



#78
n-propylbenzene
Concen: 46.332 ug/l
RT: 12.67 min Scan# 1793
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.5	11.4	34.2





#79

2-Chlorotoluene

Concen: 47.843 ug/l

RT: 12.75 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Instrument :

MSVOA_Y

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 572417

Ion Ratio Lower Upper

91 100

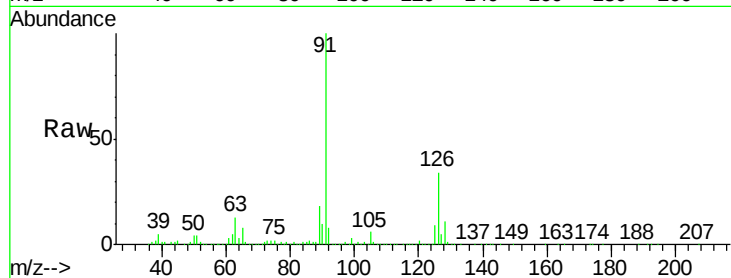
126 34.6 17.3 51.7

Manual Integrations

APPROVED

apatel

12/31/2019 12:08:49 PM



Abundance Ion 91.00 (90.70 to 91.70): VY001019.D (-1800) (-)

Ion 125.90 (125.60 to 126.60): VY001019.D (-1800) (-)

600000

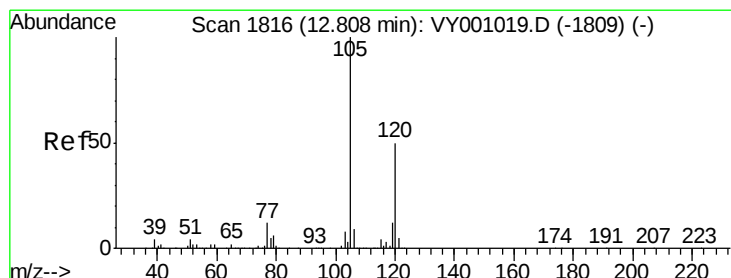
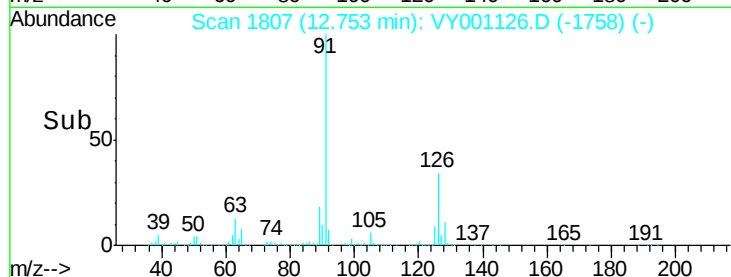
400000

200000

0

12.70 12.75 12.80

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 53.182 ug/l

RT: 12.81 min Scan# 1816

Delta R.T. 0.00 min

Lab File: VY001126.D

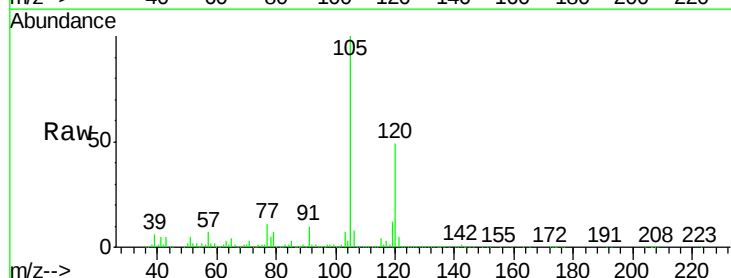
Acq: 30 Dec 2019 16:48

Tgt Ion: 105 Resp: 775089

Ion Ratio Lower Upper

105 100

120 49.0 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VY001019.D (-1809) (-)

Ion 120.00 (119.70 to 120.70): VY001019.D (-1809) (-)

600000

500000

400000

300000

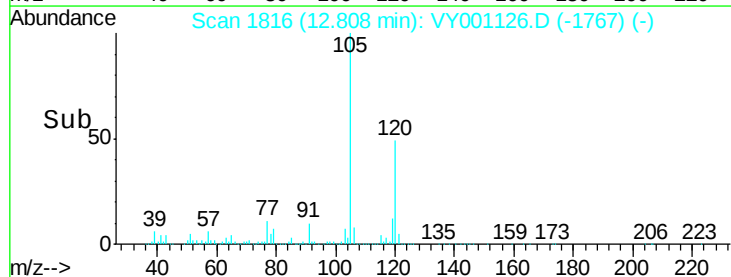
200000

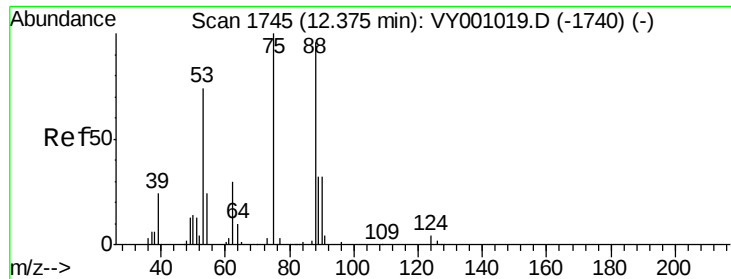
100000

0

12.75 12.80 12.85

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 39.697 ug/l

RT: 12.38 min Scan# 1745

Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Instrument :

MSVOA_Y

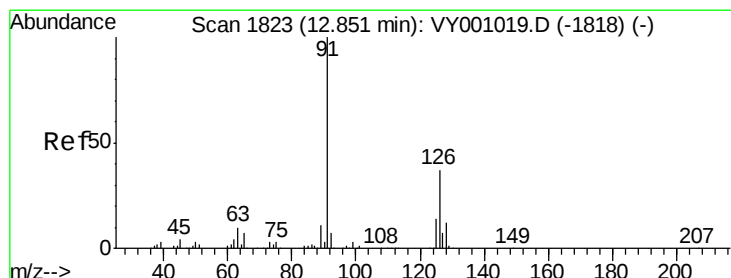
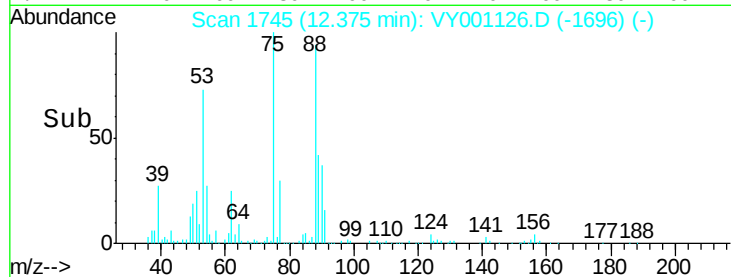
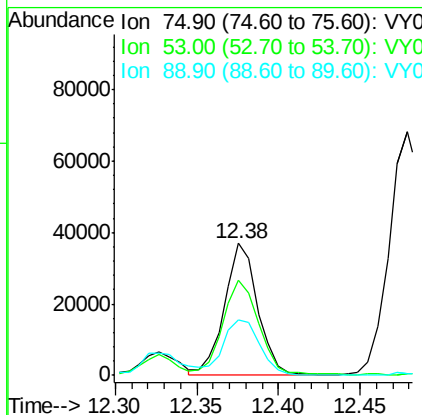
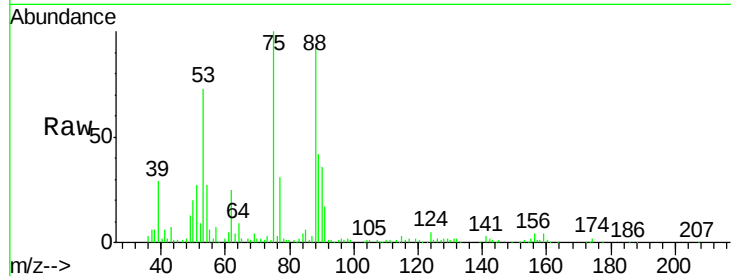
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	52722
Ion Ratio	Lower	Upper	
75	100		
53	75.6	60.6	91.0
89	46.7	35.4	53.0

Manual Integrations
APPROVED

apatel
12/31/2019 12:08:49 PM



#82

4-Chlorotoluene

Concen: 46.227 ug/l

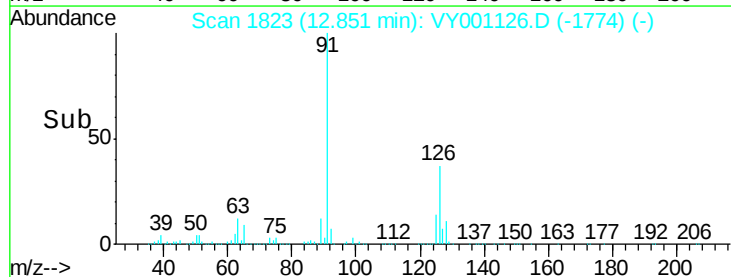
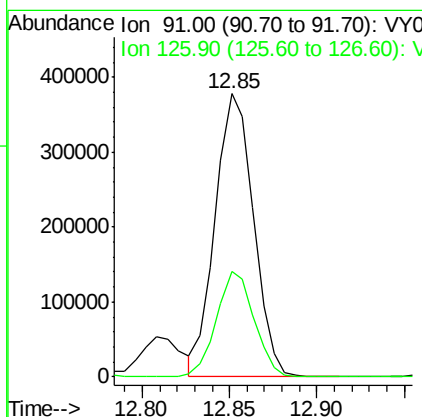
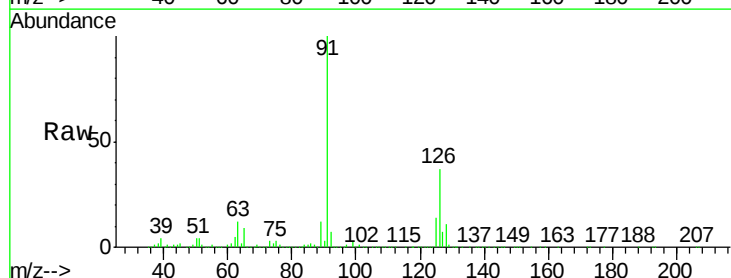
RT: 12.85 min Scan# 1823

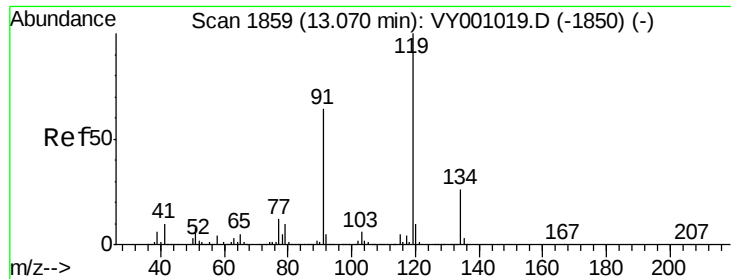
Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Tgt Ion:	91	Resp:	574470
Ion Ratio	Lower	Upper	
91	100		
126	36.8	17.6	52.8





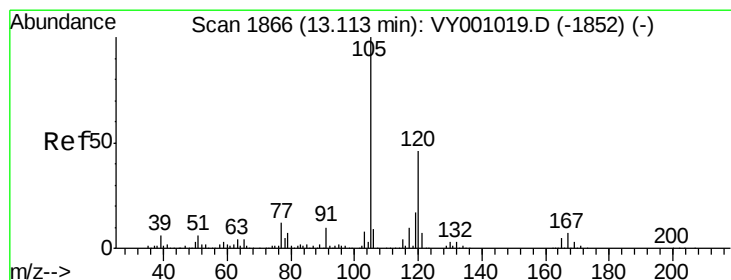
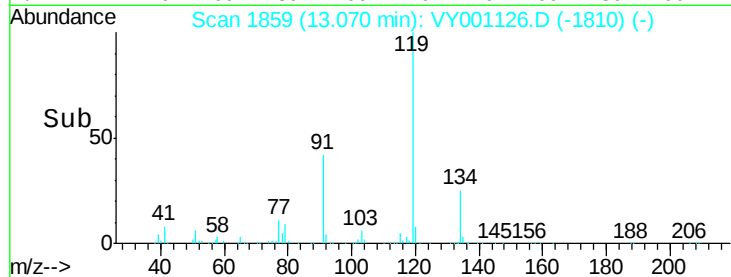
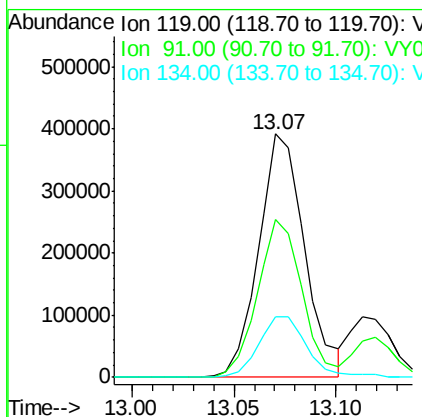
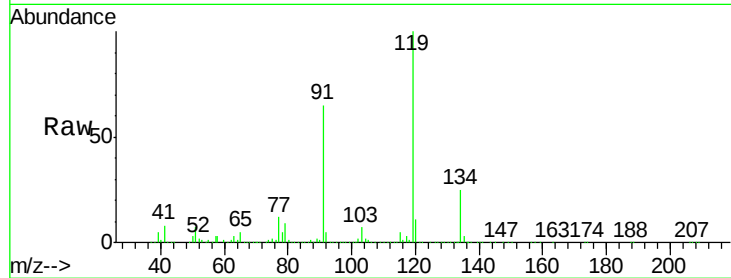
#83
tert-Butylbenzene
Concen: 50.297 ug/l
RT: 13.07 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.9	95.7
134	26.3	13.6	40.7

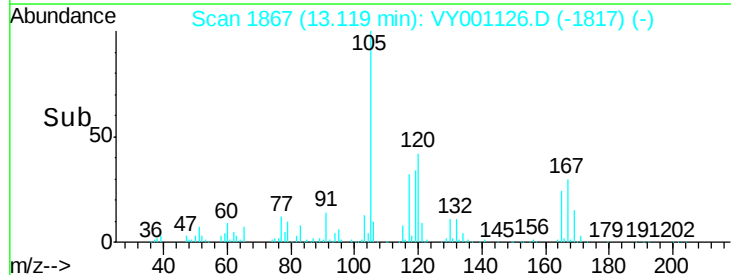
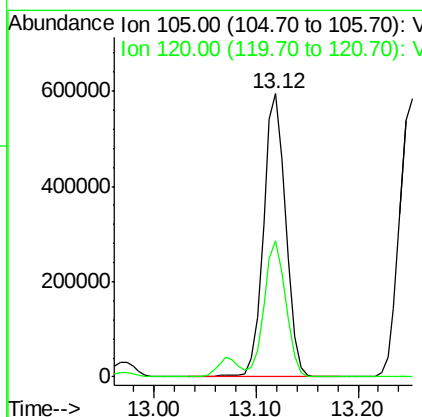
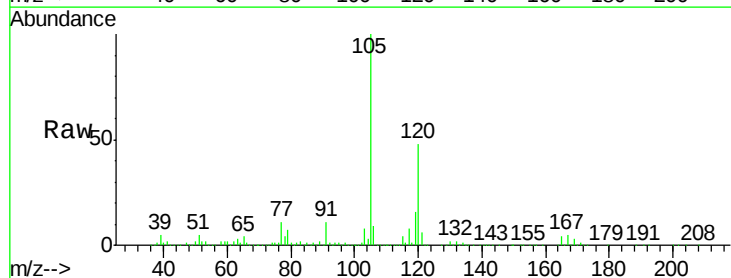
Manual Integrations
APPROVED

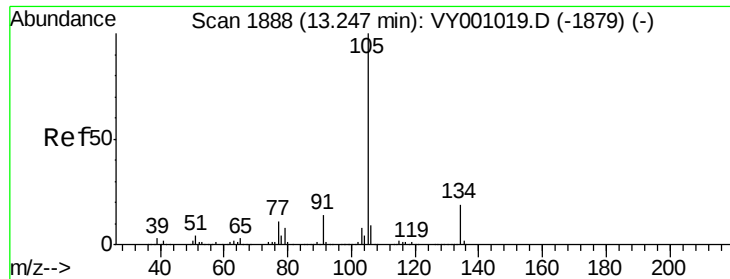
apatel
12/31/2019 12:08:49 PM



#84
1,2,4-Trimethylbenzene
Concen: 61.257 ug/l
RT: 13.12 min Scan# 1867
Delta R.T. 0.01 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.4	70.2





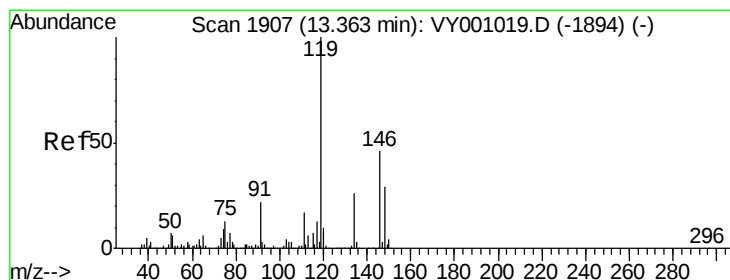
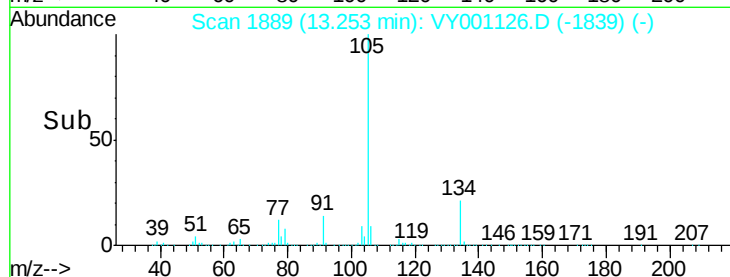
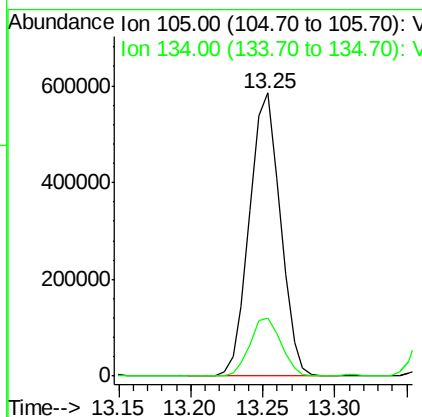
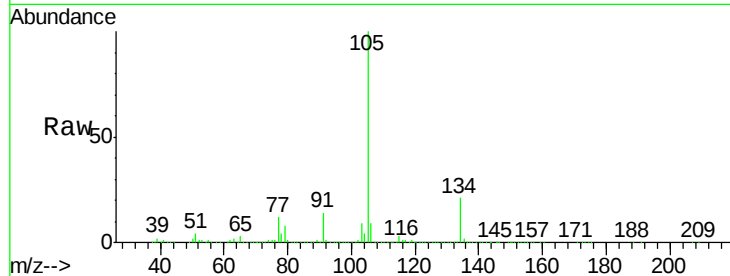
#85
 sec-Butylbenzene
 Concen: 48.031 ug/l
 RT: 13.25 min Scan# 1889
 Delta R.T. 0.01 min
 Lab File: VY001126.D
 Acq: 30 Dec 2019 16:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.0	30.0

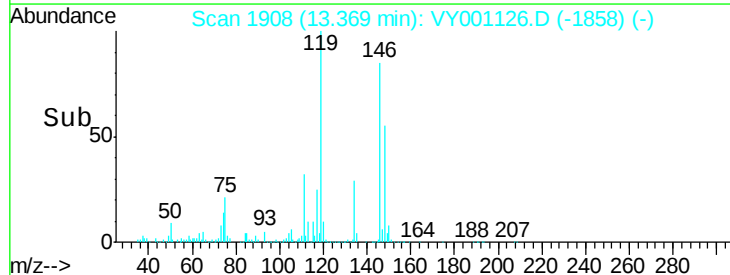
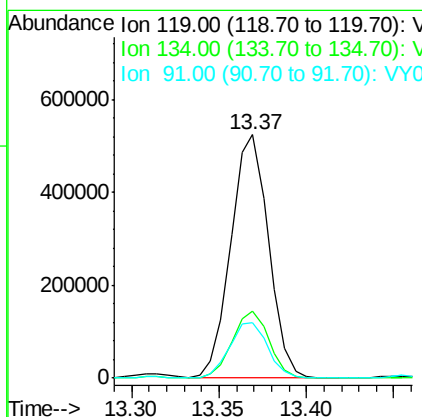
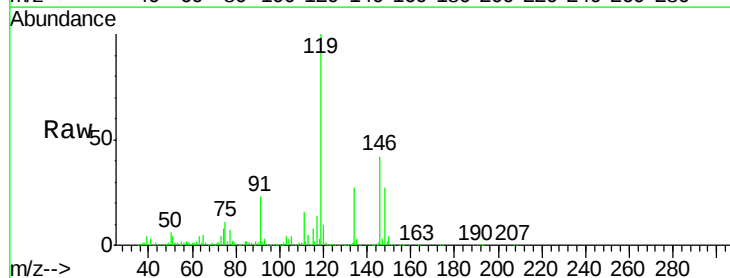
Manual Integrations
 APPROVED

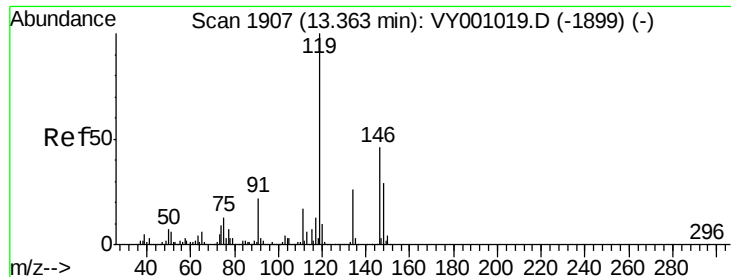
apatel
 12/31/2019 12:08:49 PM



#86
 p-Isopropyltoluene
 Concen: 50.209 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. 0.01 min
 Lab File: VY001126.D
 Acq: 30 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.6	40.7
91	23.1	11.4	34.1





#87

1,3-Dichlorobenzene

Concen: 49.992 ug/l

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Instrument :

MSVOA_Y

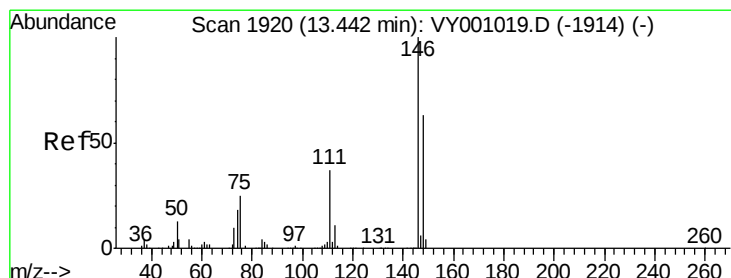
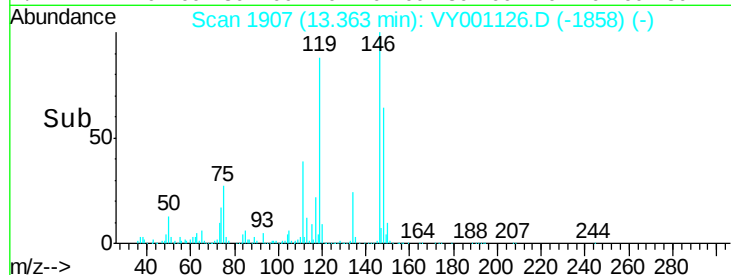
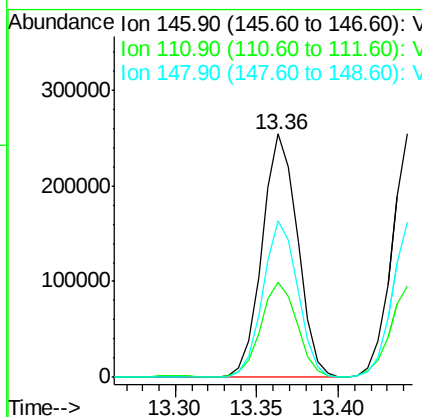
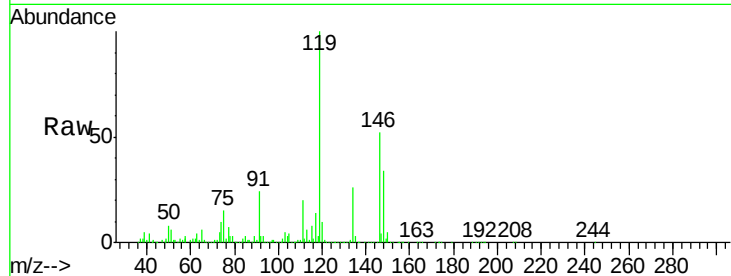
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	383947
Ion Ratio	Lower	Upper	
146	100		
111	39.3	19.7	59.0
148	63.2	31.9	95.5

Manual Integrations
APPROVED

apatel
12/31/2019 12:08:49 PM



#88

1,4-Dichlorobenzene

Concen: 49.330 ug/l

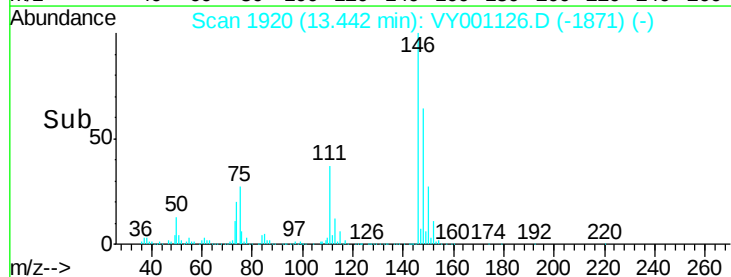
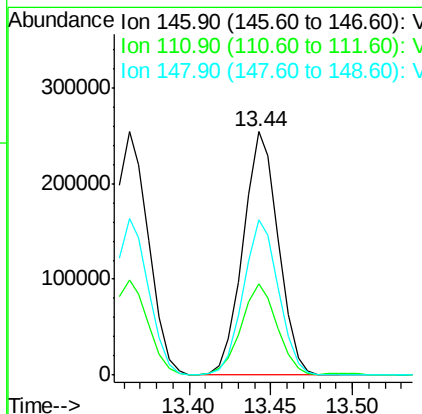
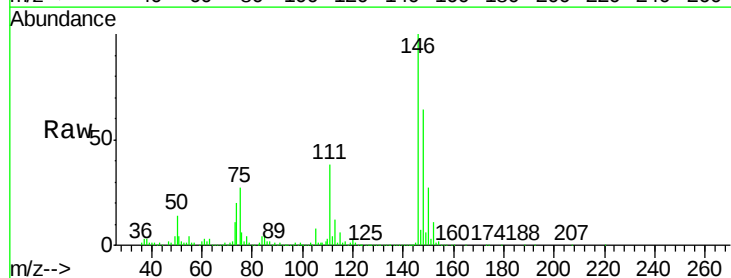
RT: 13.44 min Scan# 1920

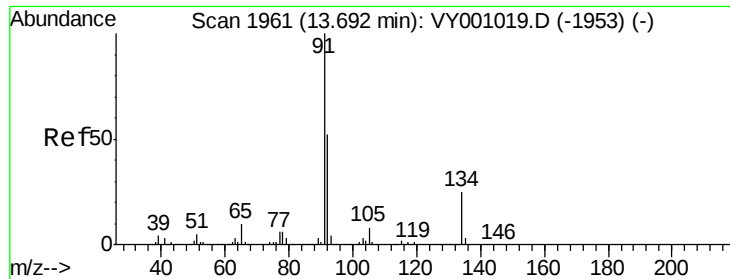
Delta R.T. 0.00 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Tgt Ion:	146	Resp:	382186
Ion Ratio	Lower	Upper	
146	100		
111	37.7	19.4	58.2
148	63.7	31.8	95.3





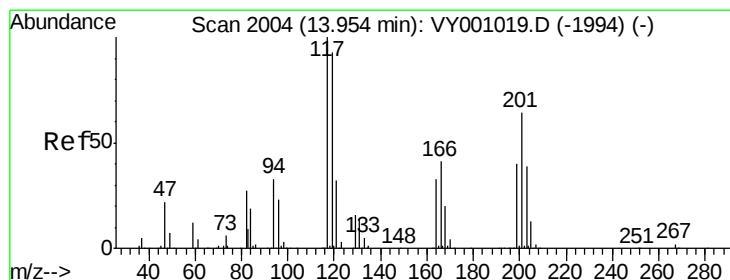
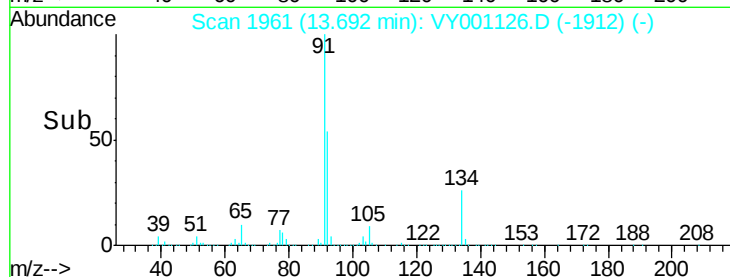
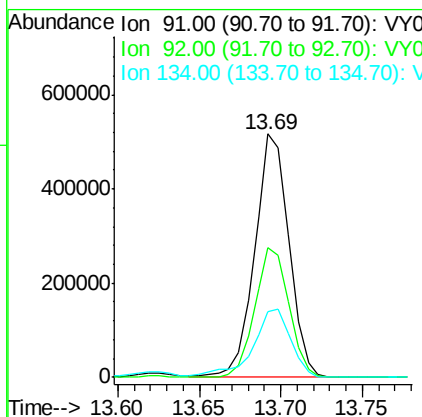
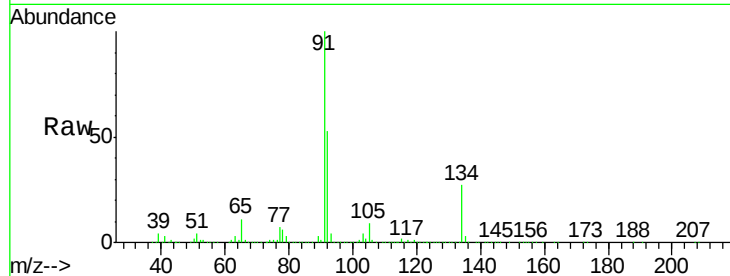
#89
n-Butylbenzene
Concen: 47.591 ug/l
RT: 13.69 min Scan# 1961
Delta R.T. 0.00 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Instrument :
MSVOA_Y
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.9	80.7
134	31.2	12.7	38.0

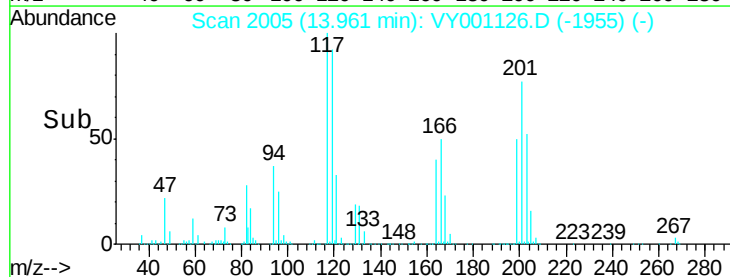
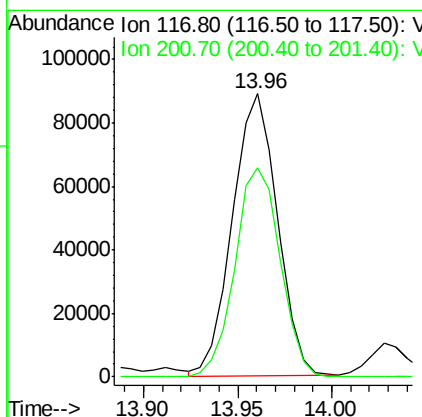
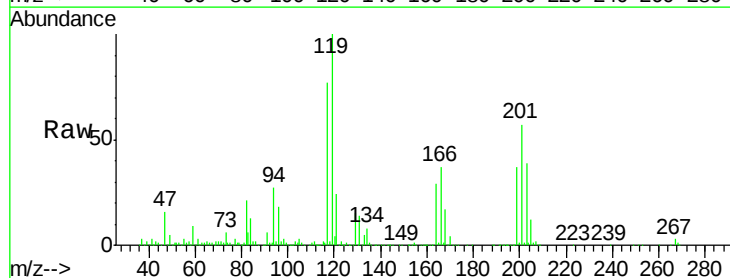
Manual Integrations
APPROVED

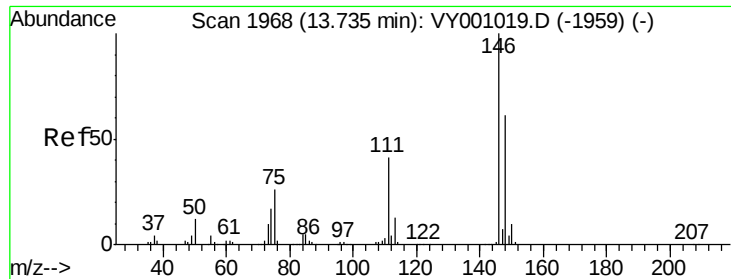
apatel
12/31/2019 12:08:49 PM



#90
Hexachloroethane
Concen: 49.891 ug/l
RT: 13.96 min Scan# 2005
Delta R.T. 0.01 min
Lab File: VY001126.D
Acq: 30 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.7	33.7	101.1





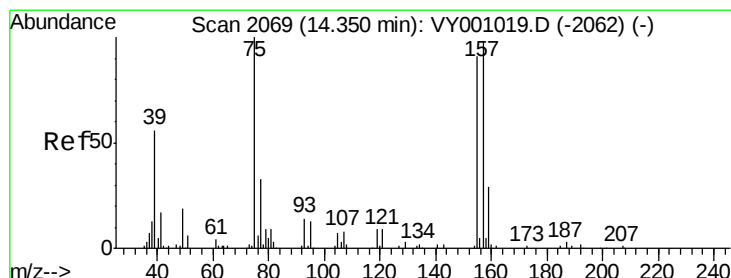
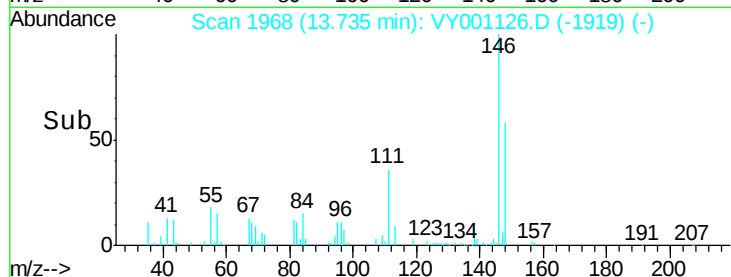
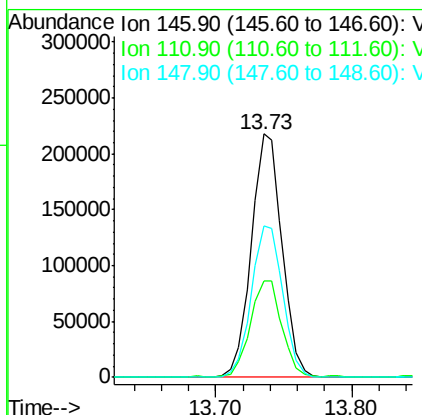
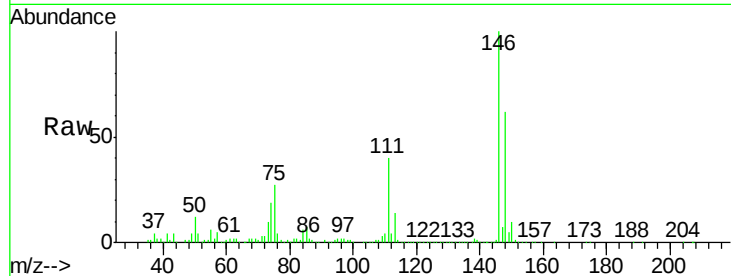
#91
 1,2-Dichlorobenzene
 Concen: 48.559 ug/l
 RT: 13.73 min Scan# 1968
 Delta R.T. 0.00 min
 Lab File: VY001126.D
 Acq: 30 Dec 2019 16:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	20.6	61.9
148	63.7	31.6	94.7

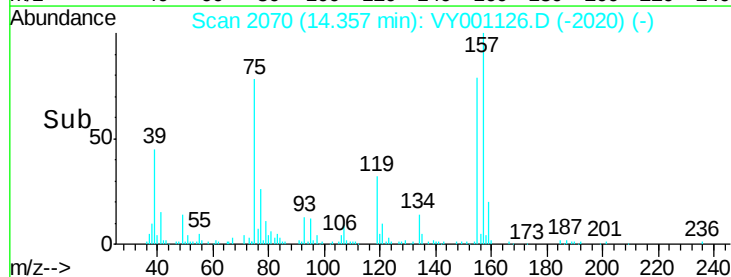
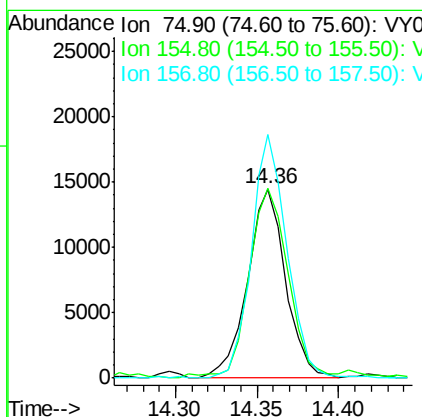
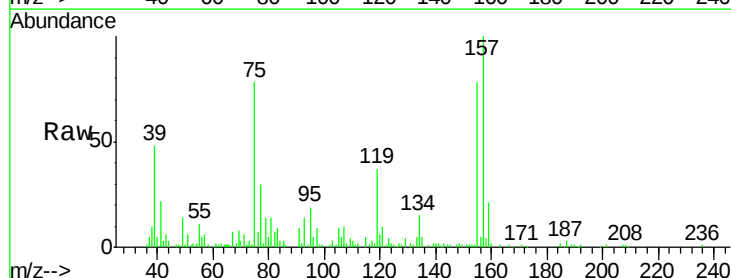
Manual Integrations
 APPROVED

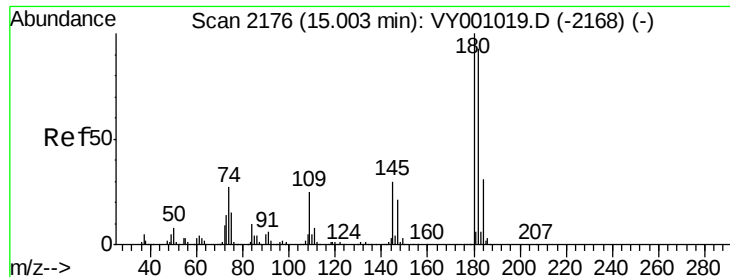
apatel
 12/31/2019 12:08:49 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.145 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.01 min
 Lab File: VY001126.D
 Acq: 30 Dec 2019 16:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.1	46.3	138.9
157	120.1	58.1	174.4





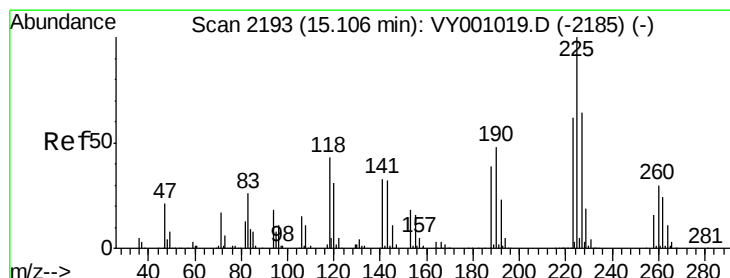
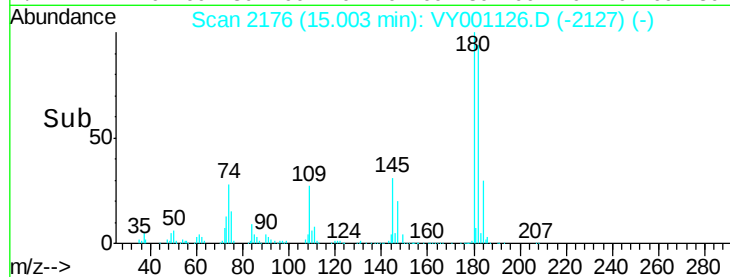
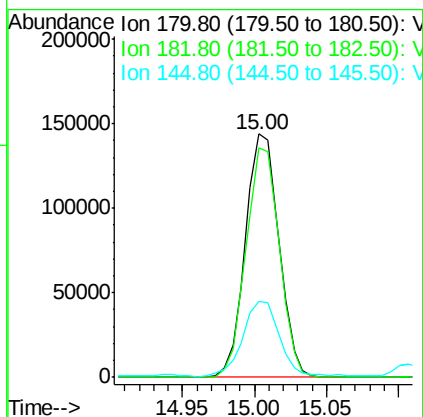
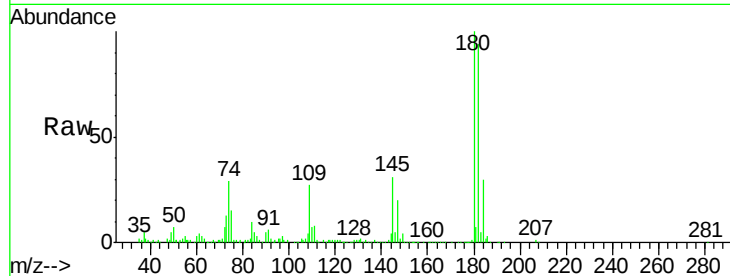
#93
 1,2,4-Trichlorobenzene
 Concen: 48.310 ug/l
 RT: 15.00 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VY001126.D
 Acq: 30 Dec 2019 16:48

Instrument :
 MSVOA_Y
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.9	46.8	140.3	
145	35.6	15.3	45.9	

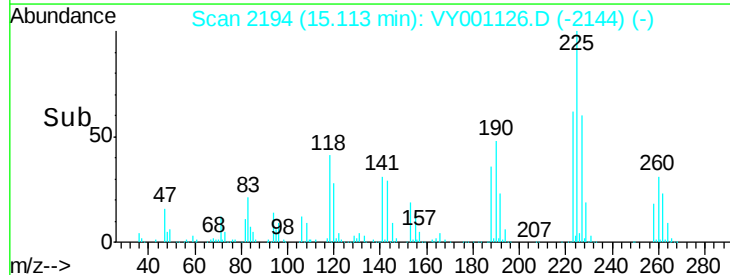
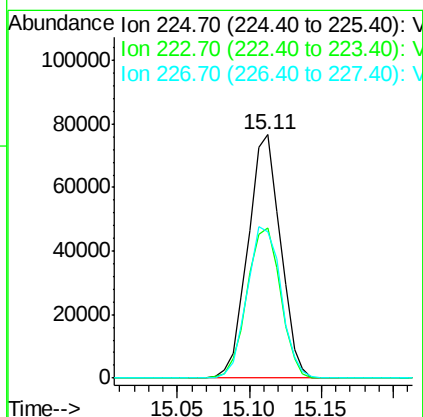
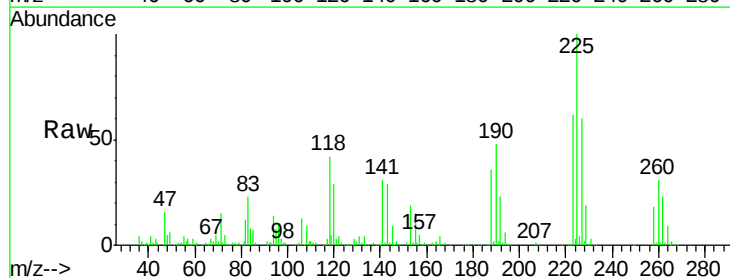
Manual Integrations
 APPROVED

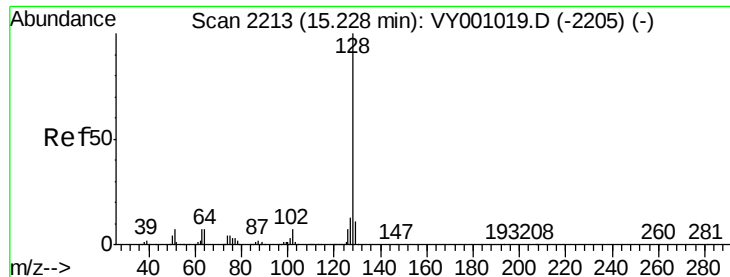
apatel
 12/31/2019 12:08:49 PM



#94
 Hexachlorobutadiene
 Concen: 52.440 ug/l
 RT: 15.11 min Scan# 2194
 Delta R.T. 0.01 min
 Lab File: VY001126.D
 Acq: 30 Dec 2019 16:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.6	31.6	94.8	
227	65.2	31.9	95.5	





#95

Naphthalene

Concen: 45.589 ug/l

RT: 15.23 min Scan# 2214

Delta R.T. 0.01 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Instrument :

MSVOA_Y

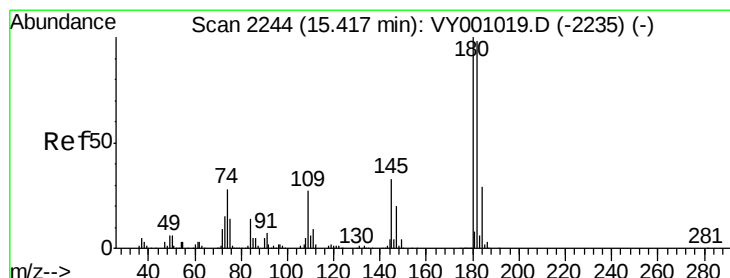
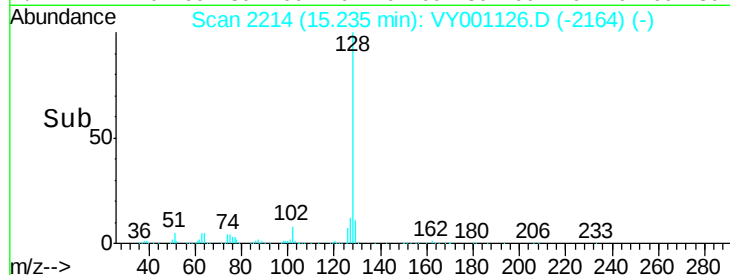
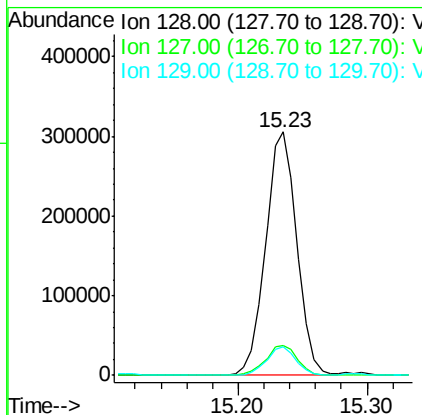
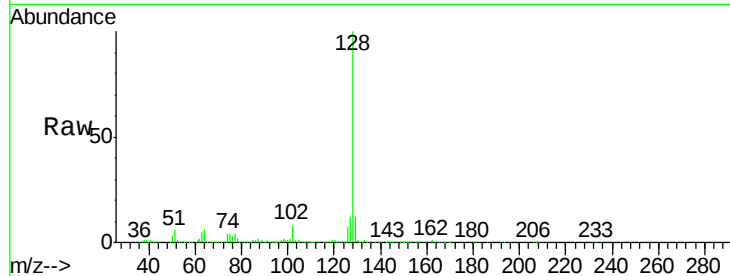
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	512684
Ion Ratio	Lower	Upper	
128	100		
127	12.5	9.9	14.9
129	11.2	8.6	13.0

Manual Integrations
APPROVED

apatel
12/31/2019 12:08:49 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.013 ug/l

RT: 15.42 min Scan# 2245

Delta R.T. 0.01 min

Lab File: VY001126.D

Acq: 30 Dec 2019 16:48

Tgt Ion:	180	Resp:	200484
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.9	143.8
145	37.6	16.3	48.9

