

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122719\
 Data File : VD064655.D
 Acq On : 27 Dec 2019 20:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/30/2019 11:03:17 AM

Quant Time: Dec 30 03:53:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	405731	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	599624	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	534642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	269163	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	184252	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
35) Dibromofluoromethane	7.92	113	183752	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
50) Toluene-d8	10.34	98	717102	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
62) 4-Bromofluorobenzene	12.64	95	228776	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	145491	46.142	ug/l	99
3) Chloromethane	2.21	50	223362	50.651	ug/l	98
4) Vinyl Chloride	2.35	62	266988	49.656	ug/l	99
5) Bromomethane	2.77	94	187356	47.924	ug/l	99
6) Chloroethane	2.93	64	185778	51.566	ug/l	99
7) Trichlorofluoromethane	3.27	101	448342	49.523	ug/l	97
8) Diethyl Ether	3.71	74	90509	50.345	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	180328	48.096	ug/l	98
10) Methyl Iodide	4.29	142	213577	53.031	ug/l	99
11) Tert butyl alcohol	5.26	59	53768	262.233	ug/l	100
12) 1,1-Dichloroethene	4.06	96	172975	48.458	ug/l	96
13) Acrolein	3.93	56	69992	244.939	ug/l	100
14) Allyl chloride	4.71	41	278257	49.998	ug/l	98
15) Acrylonitrile	5.43	53	194523	259.766	ug/l	99
16) Acetone	4.17	43	160676	209.862	ug/l	100
17) Carbon Disulfide	4.40	76	547614	47.445	ug/l	99
18) Methyl Acetate	4.72	43	100415	49.854	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	413912	52.205	ug/l	92
20) Methylene Chloride	4.96	84	197730	54.477	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	202533	49.821	ug/l	100
22) Diisopropyl ether	6.37	45	579896	52.240	ug/l	98
23) Vinyl Acetate	6.31	43	1680486	266.872	ug/l	99
24) 1,1-Dichloroethane	6.27	63	344236	51.655	ug/l	98
25) 2-Butanone	7.23	43	239962	244.007	ug/l	96
26) 2,2-Dichloropropane	7.21	77	287071	46.332	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	222946	50.817	ug/l	99
28) Bromochloromethane	7.55	49	135268	52.216	ug/l	96
29) Tetrahydrofuran	7.57	42	157876	258.151	ug/l	100
30) Chloroform	7.71	83	361708	51.733	ug/l	100
31) Cyclohexane	7.98	56	303914	45.559	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	330317	50.299	ug/l	100
36) 1,1-Dichloropropene	8.11	75	277757	48.127	ug/l	99
37) Ethyl Acetate	7.30	43	113120	49.892	ug/l	97
38) Carbon Tetrachloride	8.10	117	302286	49.120	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122719\
 Data File : VD064655.D
 Acq On : 27 Dec 2019 20:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/30/2019 11:03:17 AM

Quant Time: Dec 30 03:53:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	329675	47.163	ug/l	92
40) Benzene	8.36	78	785608	49.863	ug/l	98
41) Methacrylonitrile	7.54	41	74847	56.897	ug/l	94
42) 1,2-Dichloroethane	8.43	62	226934	49.844	ug/l	100
43) Isopropyl Acetate	8.46	43	227527	50.418	ug/l	100
44) Trichloroethene	9.11	130	227044	49.055	ug/l	96
45) 1,2-Dichloropropane	9.39	63	193495	51.437	ug/l	95
46) Dibromomethane	9.48	93	107611	51.309	ug/l	99
47) Bromodichloromethane	9.67	83	283028	50.714	ug/l	99
48) Methyl methacrylate	9.46	41	106668	50.199	ug/l	94
49) 1,4-Dioxane	9.47	88	24589	1016.772	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	568136	254.701	ug/l	99
52) Toluene	10.40	92	524518	50.744	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	263616	50.665	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	310424	50.597	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	144494	51.122	ug/l	95
56) Ethyl methacrylate	10.66	69	185177	52.459	ug/l	98
57) 1,3-Dichloropropane	10.95	76	245221	50.388	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	315698	234.743	ug/l	100
59) 2-Hexanone	10.99	43	391278	258.447	ug/l	100
60) Dibromochloromethane	11.14	129	196753	50.338	ug/l	100
61) 1,2-Dibromoethane	11.25	107	140446	50.379	ug/l	99
64) Tetrachloroethene	10.88	164	199138	48.550	ug/l	97
65) Chlorobenzene	11.67	112	553537	49.884	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	211555	50.573	ug/l	100
67) Ethyl Benzene	11.75	91	992691	49.288	ug/l	96
68) m/p-Xylenes	11.86	106	770922	99.168	ug/l	98
69) o-Xylene	12.18	106	355971	50.695	ug/l	99
70) Styrene	12.20	104	628574	50.999	ug/l	99
71) Bromoform	12.36	173	119051	49.905	ug/l #	99
73) Isopropylbenzene	12.48	105	953315	49.562	ug/l	99
74) N-amyl acetate	12.29	43	212305	51.634	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	149806	49.578	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	113175m	53.247	ug/l	
77) Bromobenzene	12.77	156	232659	49.226	ug/l	99
78) n-propylbenzene	12.83	91	1104617	49.225	ug/l	99
79) 2-Chlorotoluene	12.91	91	609055	49.407	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	779455	49.331	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	49349	48.559	ug/l	97
82) 4-Chlorotoluene	13.01	91	647628	49.367	ug/l	100
83) tert-Butylbenzene	13.23	119	675556	49.243	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	786018	49.949	ug/l	98
85) sec-Butylbenzene	13.41	105	922361	49.041	ug/l	99
86) p-Isopropyltoluene	13.53	119	888091	49.383	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	450788	50.032	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	441762	49.910	ug/l	99
89) n-Butylbenzene	13.85	91	801057	49.463	ug/l	99
90) Hexachloroethane	14.12	117	166969	48.604	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	383893	49.968	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	24663	50.349	ug/l	95

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122719\
Data File : VD064655.D
Acq On : 27 Dec 2019 20:36
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

apatel
12/30/2019 11:03:17 AM

Quant Time: Dec 30 03:53:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	279324	49.377	ug/l	99
94) Hexachlorobutadiene	15.28	225	168104	47.223	ug/l	99
95) Naphthalene	15.41	128	454671	50.805	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	236949	49.064	ug/l	100

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

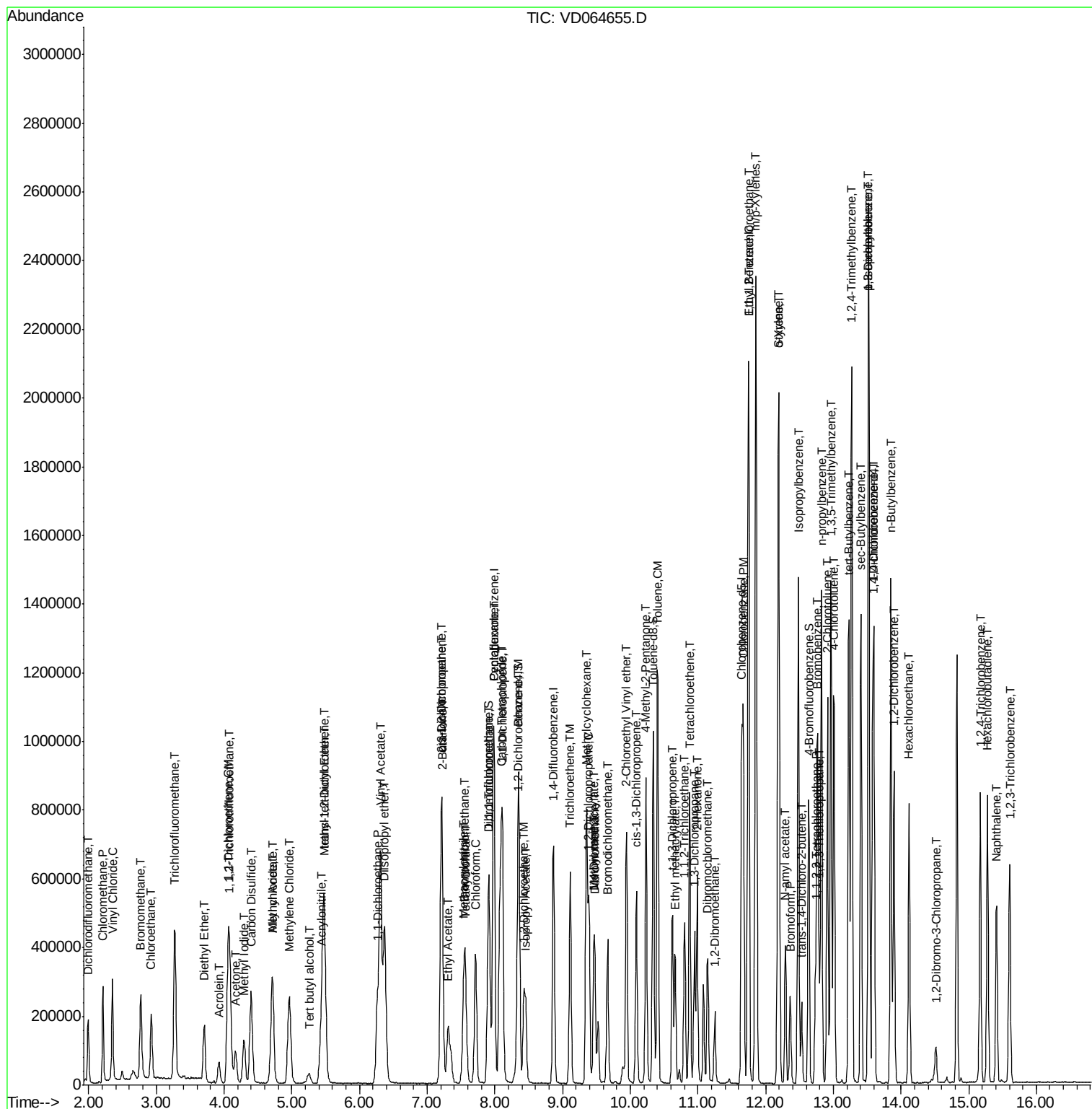
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD122719\
 Data File : VD064655.D
 Acq On : 27 Dec 2019 20:36
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

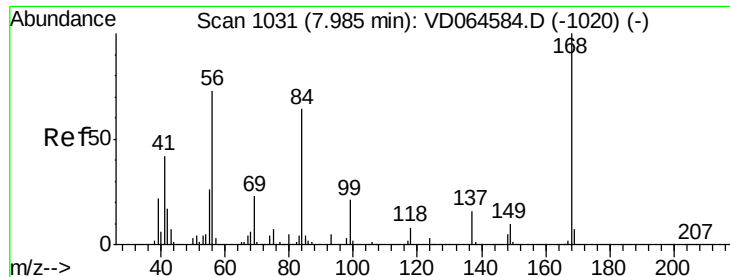
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/30/2019 11:03:17 AM

Quant Time: Dec 30 03:53:27 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 405731

Ion Ratio Lower Upper

168 100

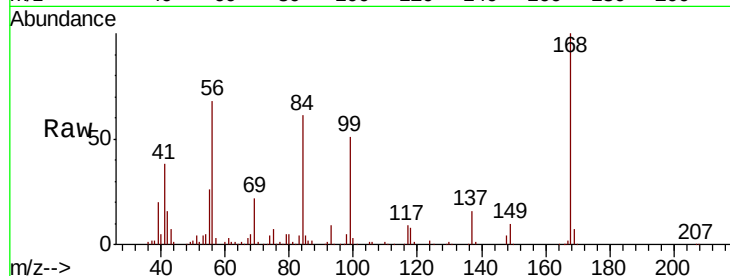
99 50.9 41.8 62.6

Manual Integrations

APPROVED

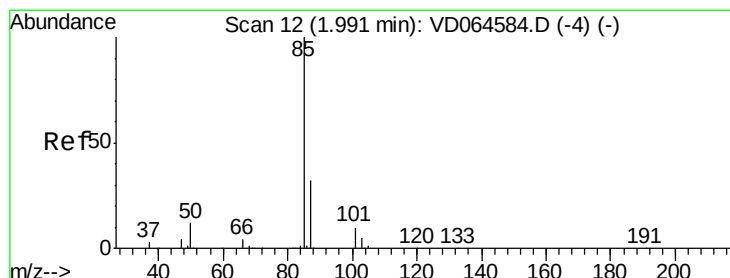
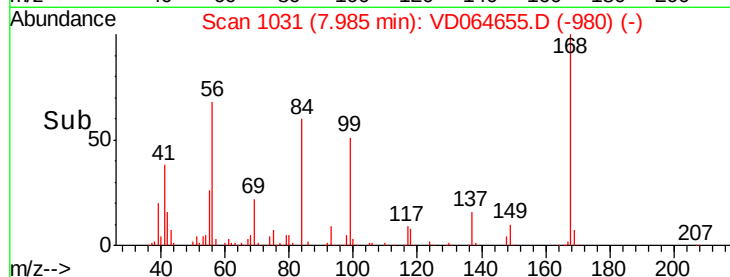
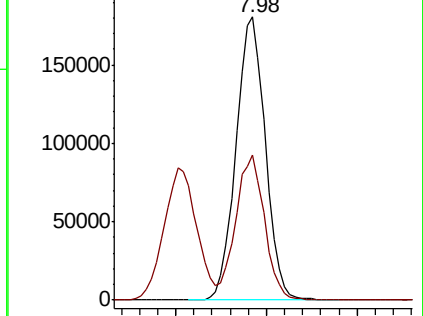
apatel

12/30/2019 11:03:17 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 46.142 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064655.D

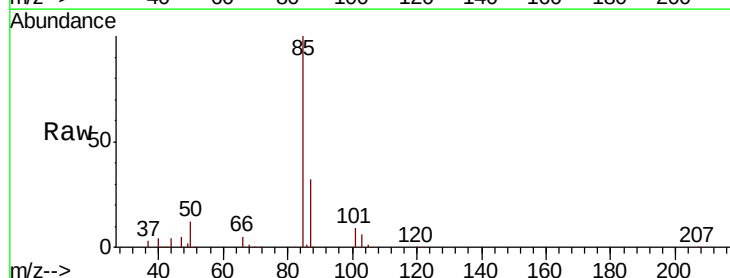
Acq: 27 Dec 2019 20:36

Tgt Ion: 85 Resp: 145491

Ion Ratio Lower Upper

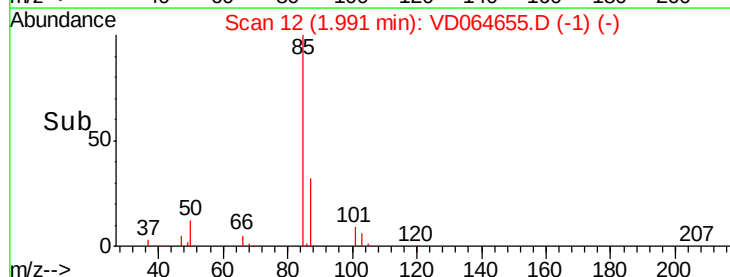
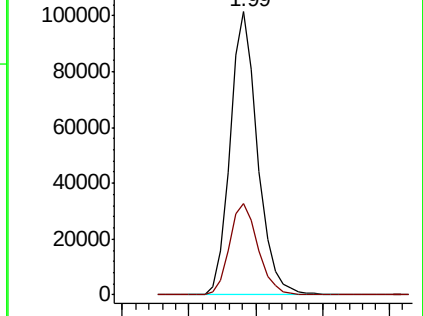
85 100

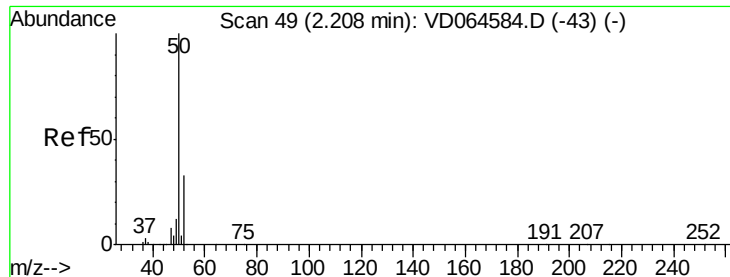
87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.651 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 223362

Ion Ratio Lower Upper

50 100

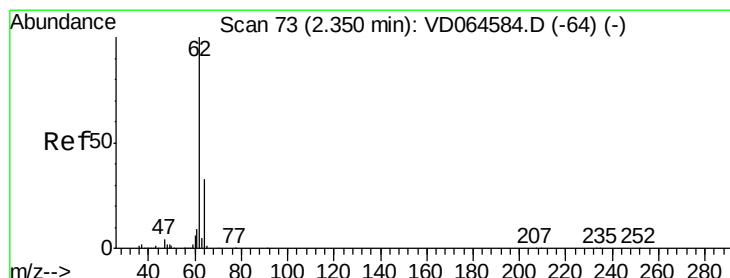
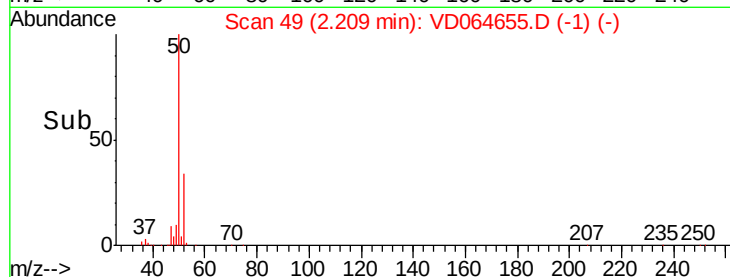
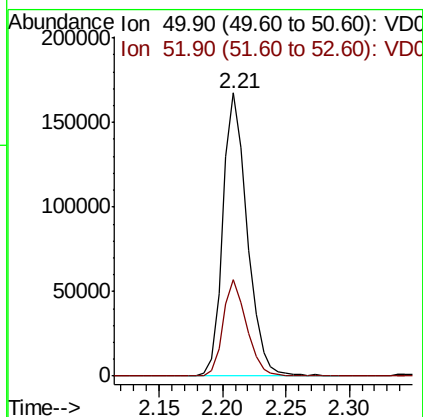
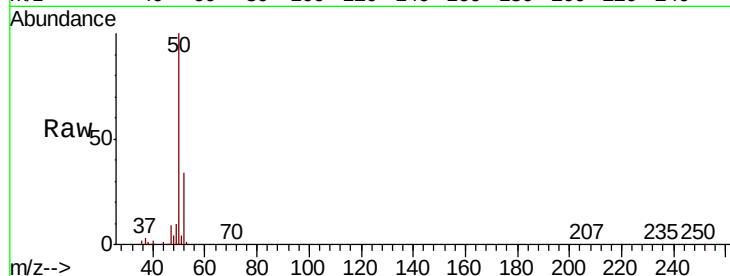
52 34.2 26.5 39.7

Manual Integrations

APPROVED

apatel

12/30/2019 11:03:17 AM



#4

Vinyl Chloride

Concen: 49.656 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064655.D

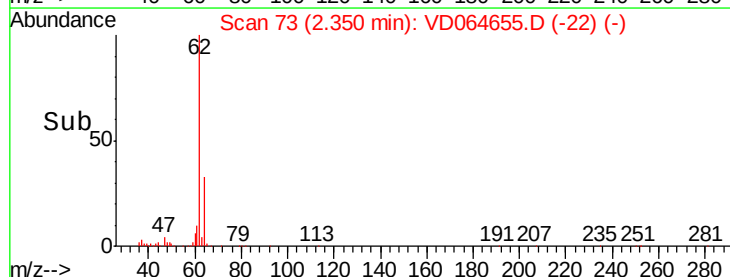
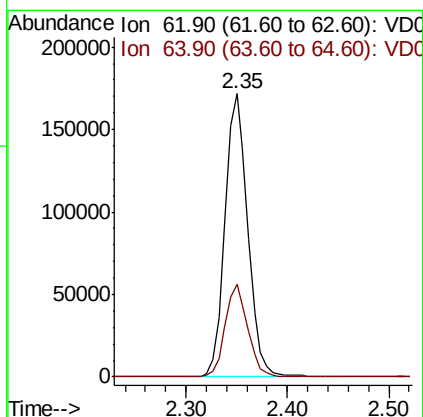
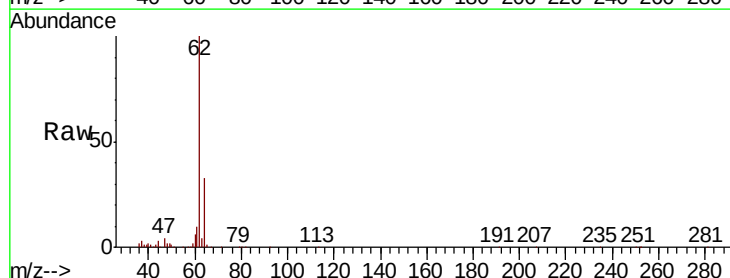
Acq: 27 Dec 2019 20:36

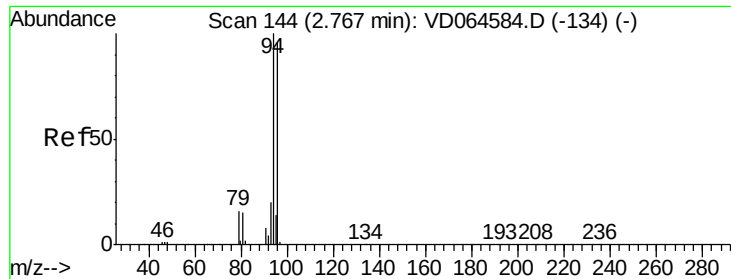
Tgt Ion: 62 Resp: 266988

Ion Ratio Lower Upper

62 100

64 32.9 26.6 40.0





#5

Bromomethane

Concen: 47.924 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 187356

Ion Ratio Lower Upper

94 100

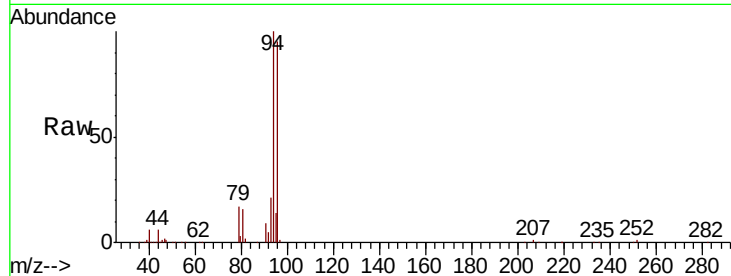
96 95.2 77.2 115.8

Manual Integrations

APPROVED

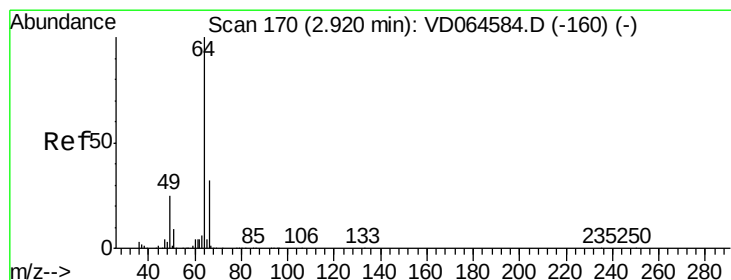
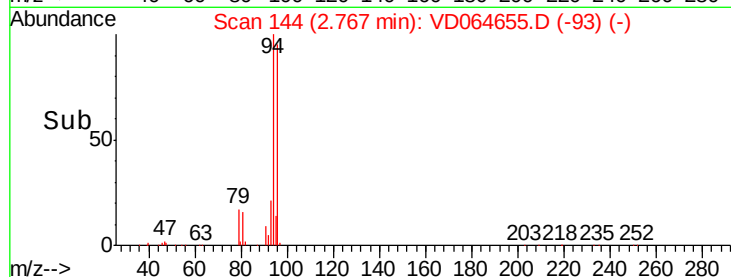
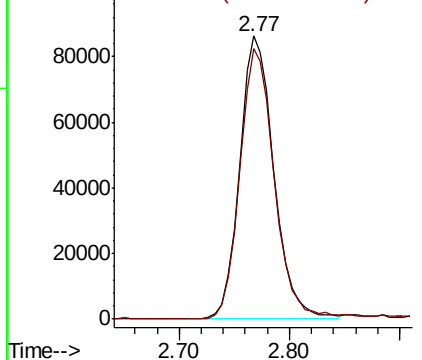
apatel

12/30/2019 11:03:17 AM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.566 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064655.D

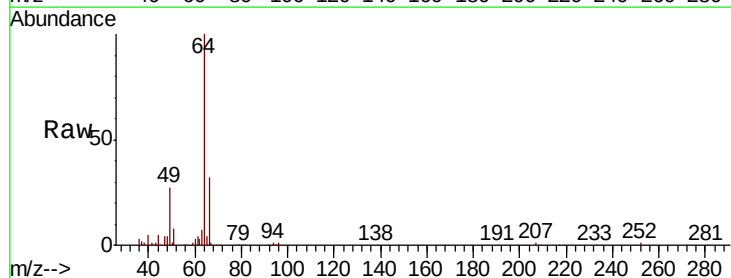
Acq: 27 Dec 2019 20:36

Tgt Ion: 64 Resp: 185778

Ion Ratio Lower Upper

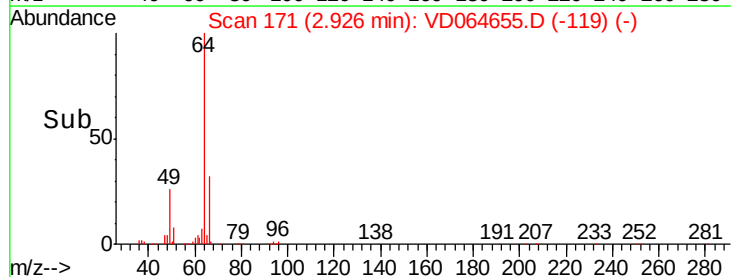
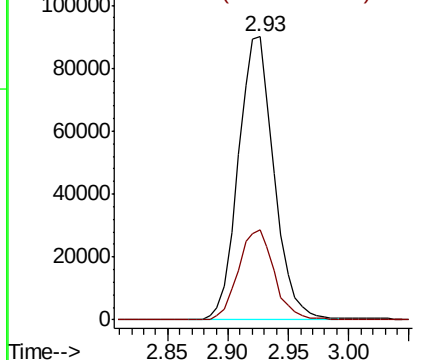
64 100

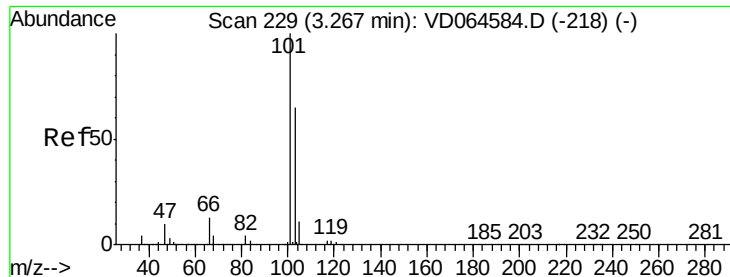
66 31.8 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

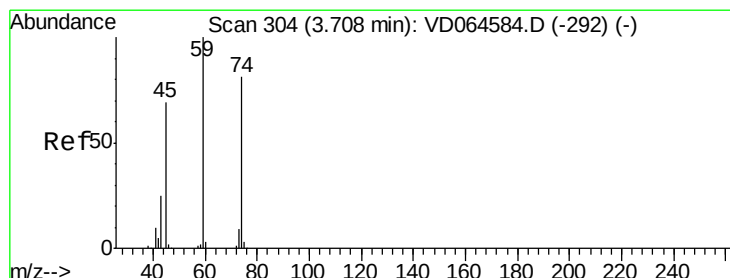
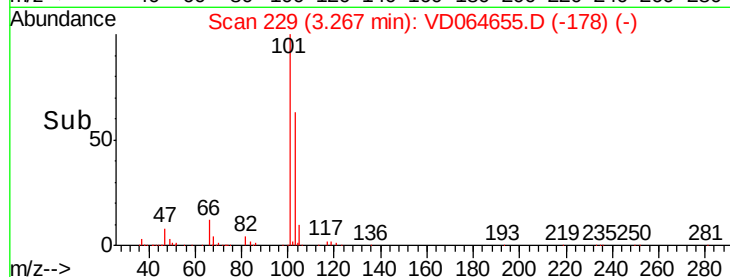
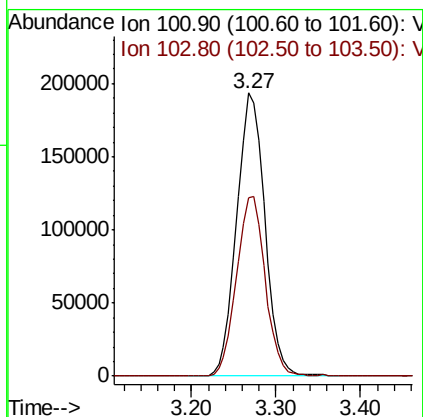
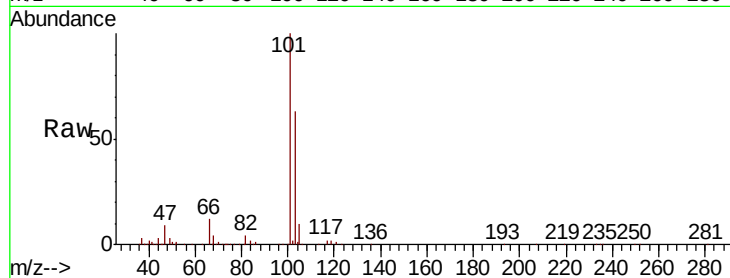
Trichlorofluoromethane
 Concen: 49.523 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.2	78.4

Manual Integrations
 APPROVED

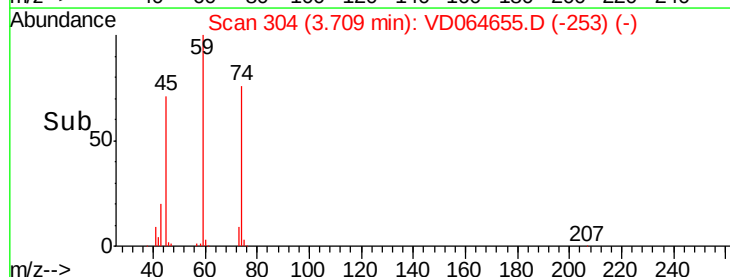
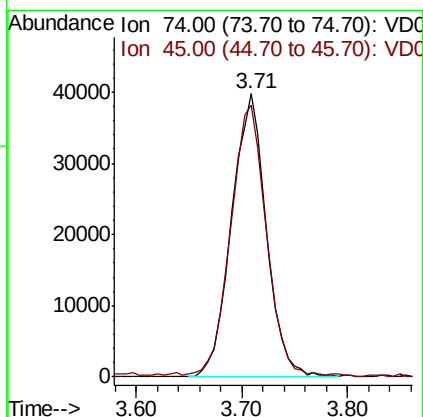
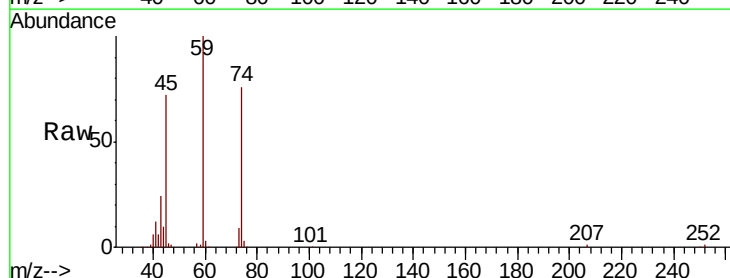
apatel
 12/30/2019 11:03:17 AM

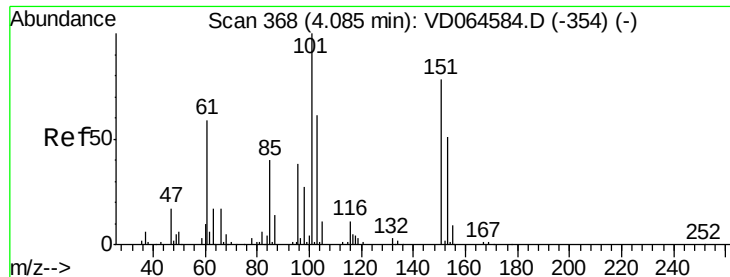


#8

Diethyl Ether
 Concen: 50.345 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.096 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

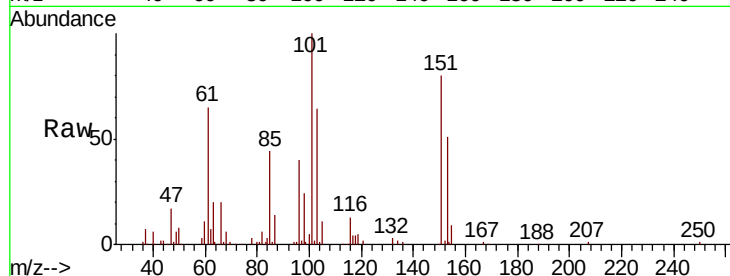
ClientSampleId :

VSTDCCC050EC

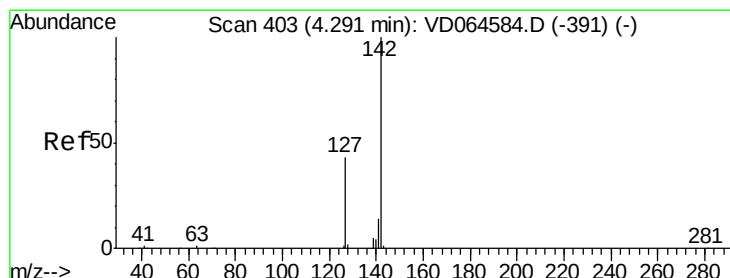
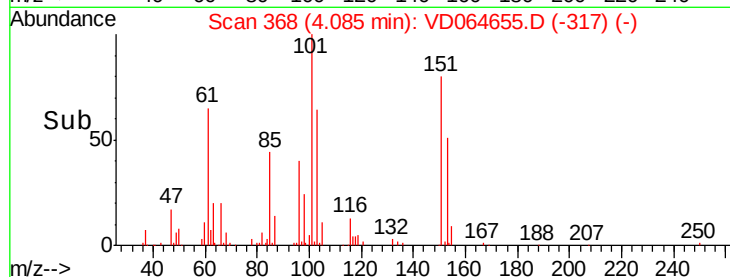
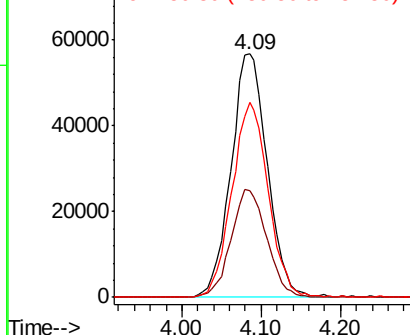
Tot Ion:	101	Resp:	180328
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.2	52.8
151	79.8	66.2	99.4

Manual Integrations
APPROVED

apatel
12/30/2019 11:03:17 AM



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



#10

Methyl Iodide

Concen: 53.031 ug/l

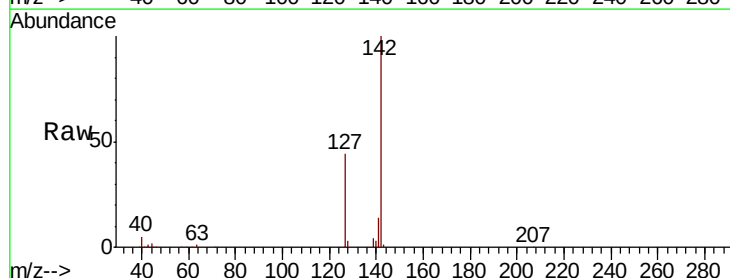
RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

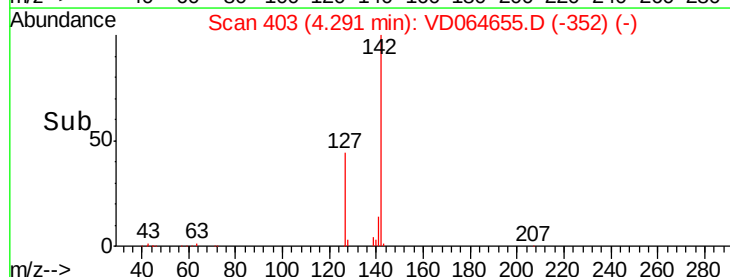
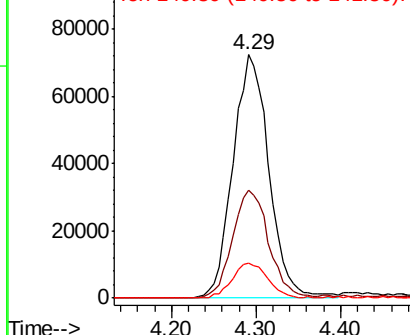
Lab File: VD064655.D

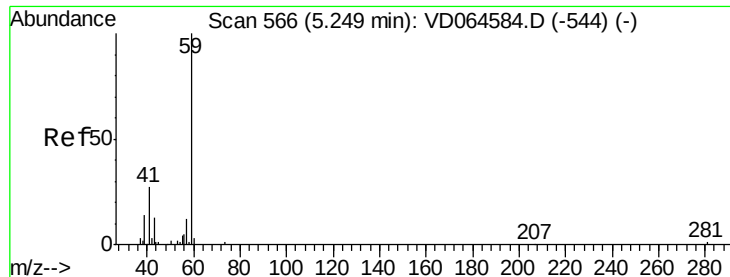
Acq: 27 Dec 2019 20:36

Tgt Ion:	142	Resp:	213577
Ion Ratio	Lower	Upper	
142	100		
127	44.4	36.2	54.4
141	14.3	11.8	17.8



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





#11

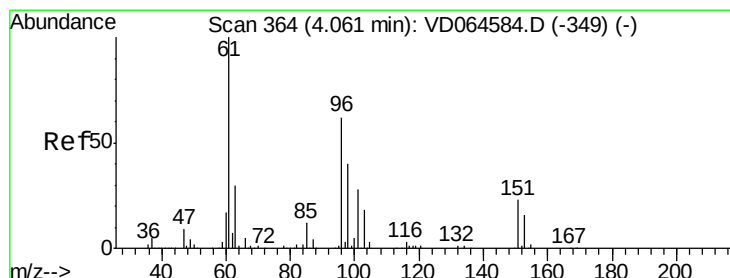
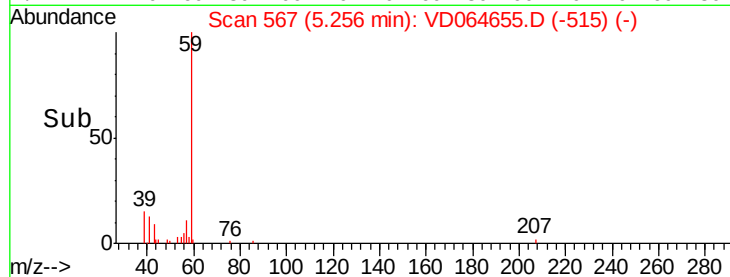
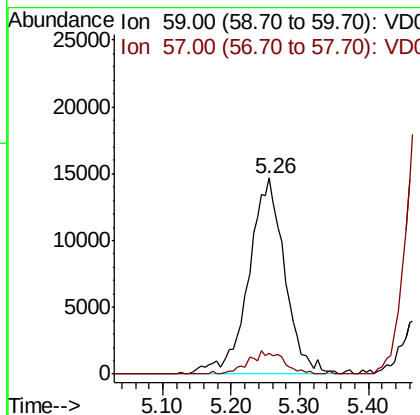
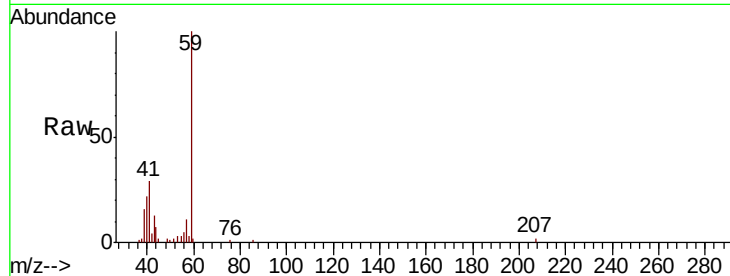
Tert butyl alcohol
 Concen: 262.233 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	53768
Ion Ratio	100	Lower	Upper
57	11.4	9.3	13.9

Manual Integrations
 APPROVED

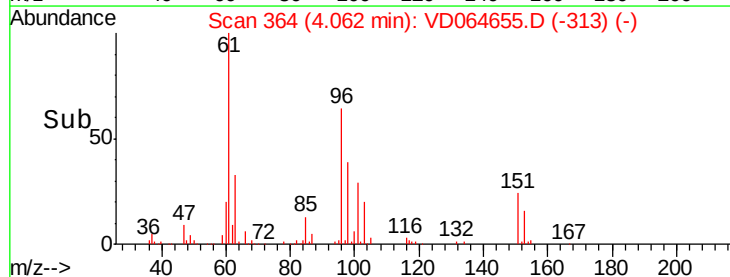
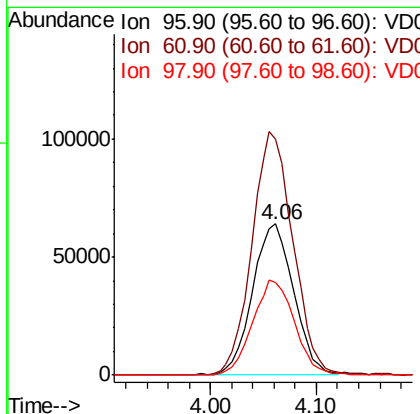
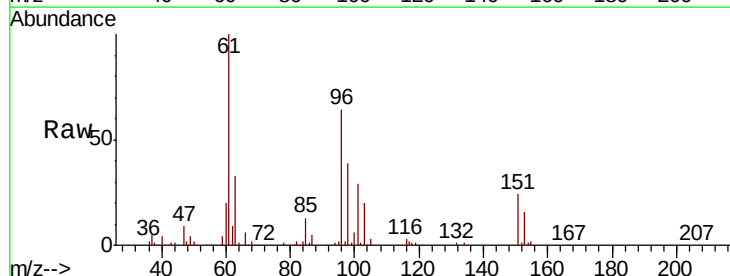
apatel
 12/30/2019 11:03:17 AM

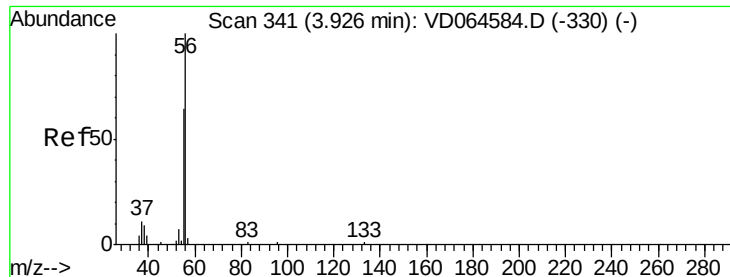


#12

1,1-Dichloroethene
 Concen: 48.458 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion	96	Resp	172975
Ion Ratio	100	Lower	Upper
61	156.3	129.4	194.0
98	61.5	51.4	77.0





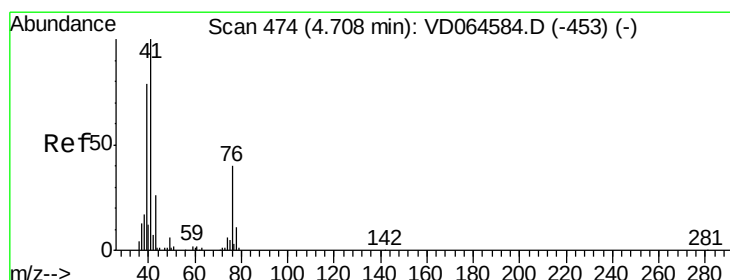
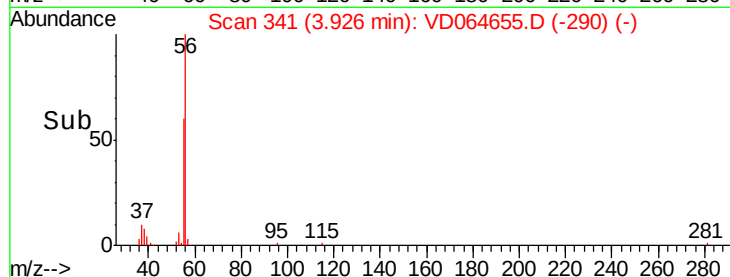
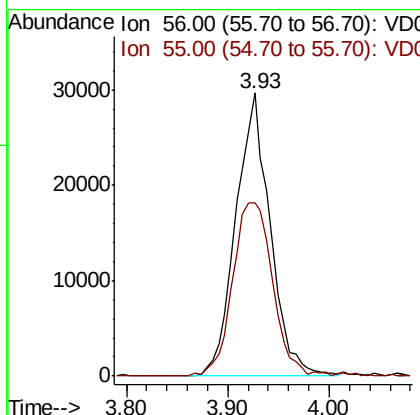
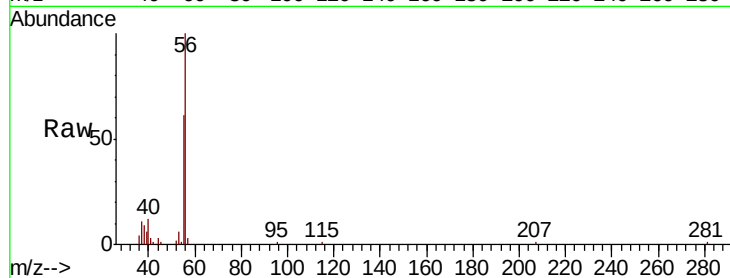
#13
Acrolein
Concen: 244.939 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	69992
Ion Ratio	100	Lower	Upper
55	71.2	56.7	85.1

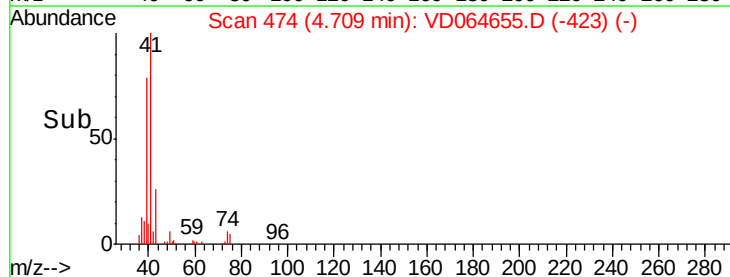
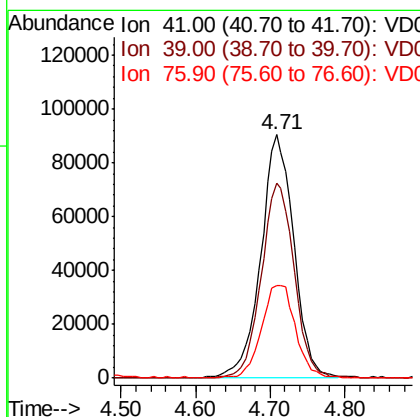
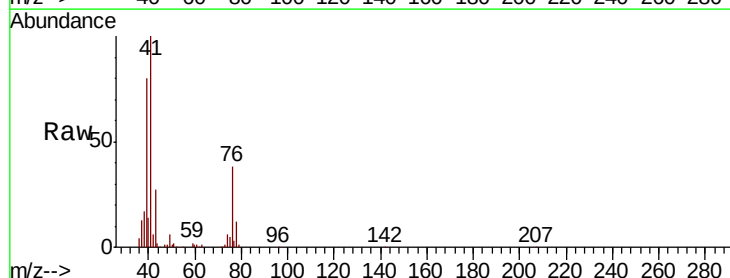
Manual Integrations
APPROVED

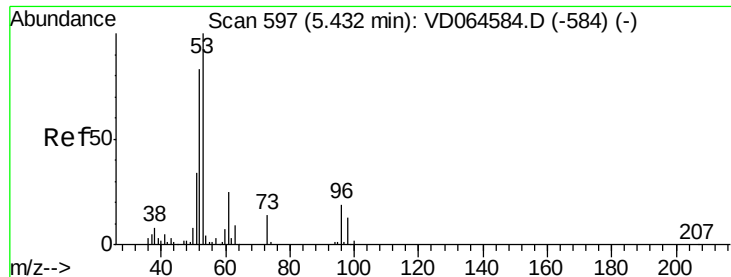
apatel
12/30/2019 11:03:17 AM



#14
Allyl chloride
Concen: 49.998 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion	41	Resp	278257
Ion Ratio	100	Lower	Upper
39	79.3	62.3	93.5
76	39.3	29.7	44.5





#15

Acrylonitrile

Concen: 259.766 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

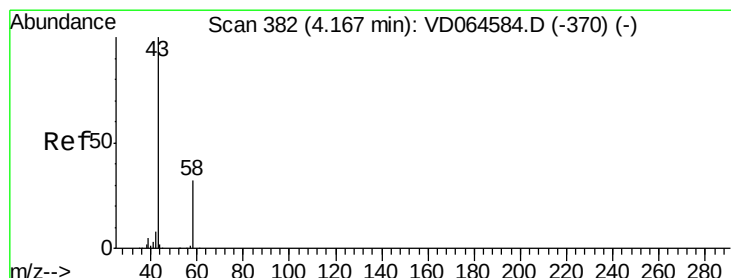
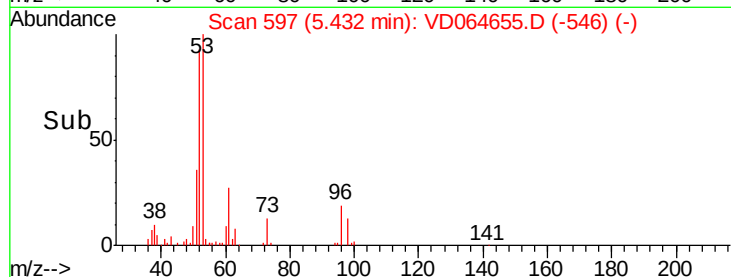
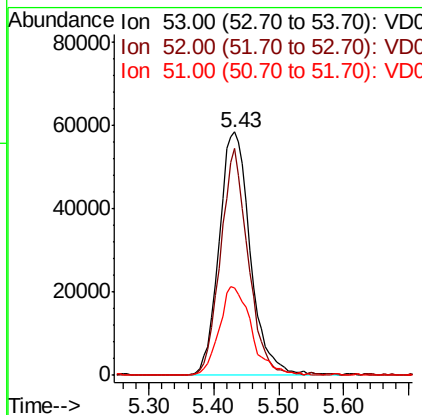
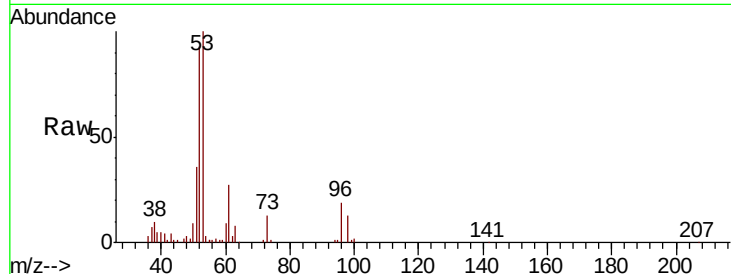
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	194523
Ion Ratio		Lower	Upper
53	100		
52	82.0	66.2	99.2
51	37.8	30.1	45.1

Manual Integrations
APPROVED

apatel
12/30/2019 11:03:17 AM



#16

Acetone

Concen: 209.862 ug/l

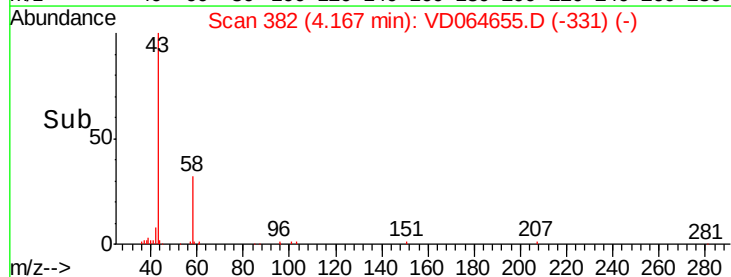
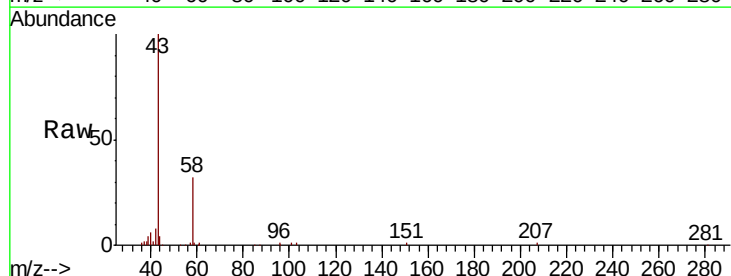
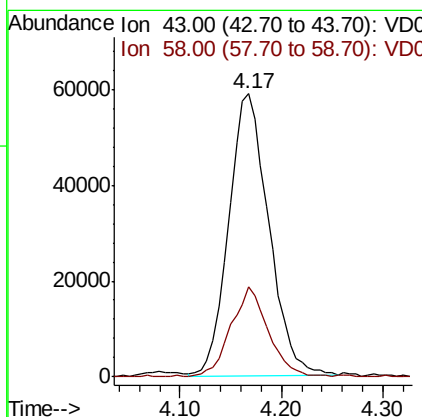
RT: 4.17 min Scan# 382

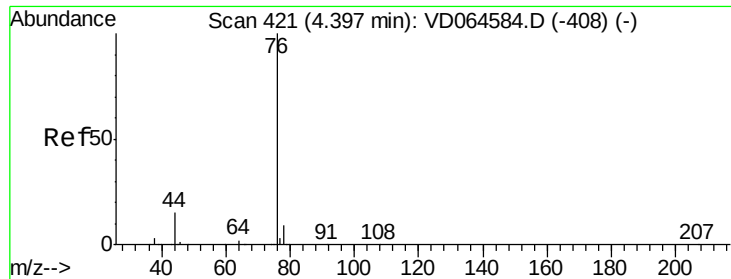
Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Tgt Ion:	43	Resp:	160676
Ion Ratio		Lower	Upper
43	100		
58	32.0	25.8	38.6





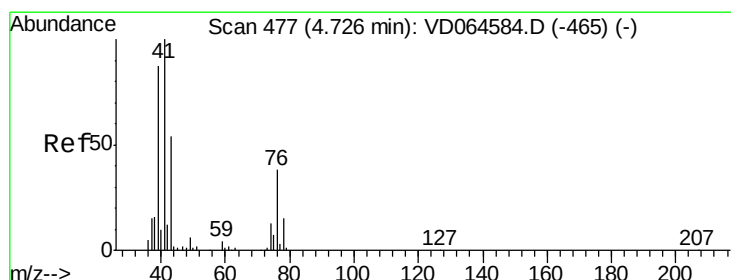
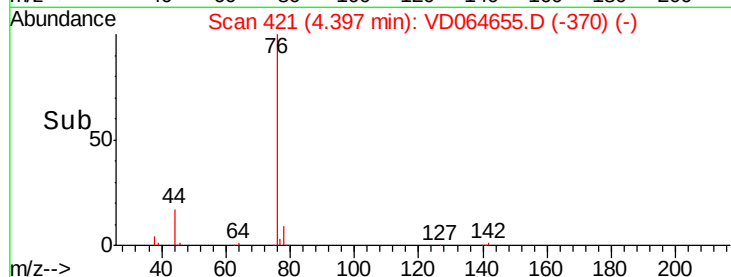
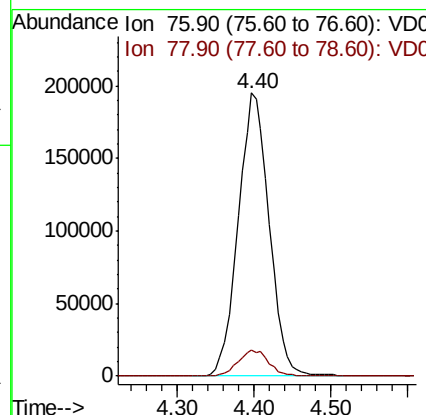
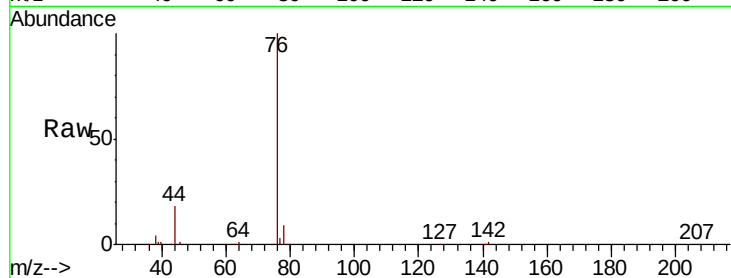
#17
Carbon Disulfide
Concen: 47.445 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

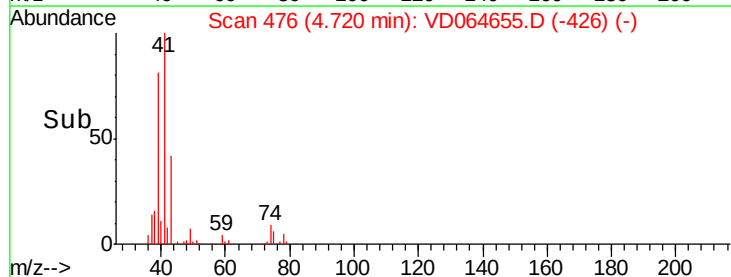
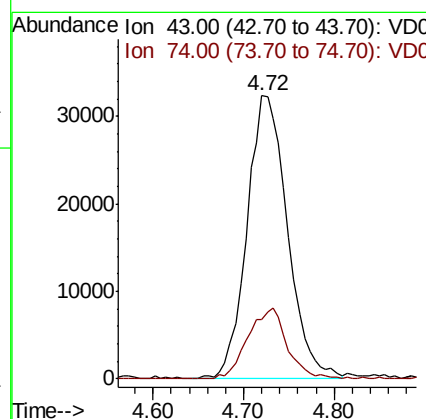
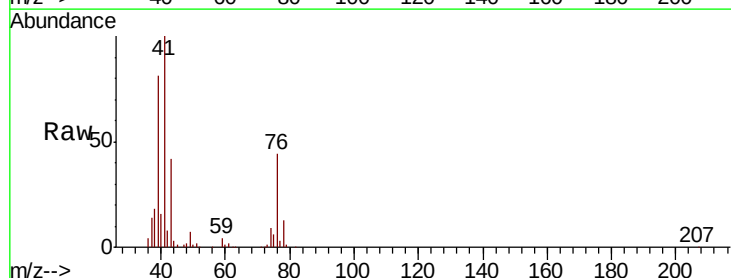
Manual Integrations
APPROVED

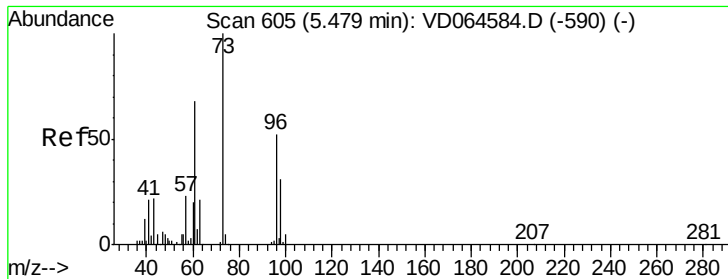
apatel
12/30/2019 11:03:17 AM



#18
Methyl Acetate
Concen: 49.854 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.2	28.8





#19

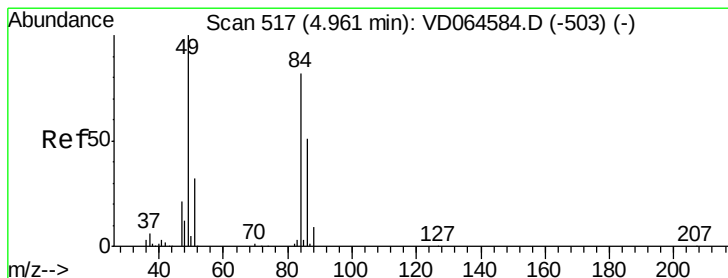
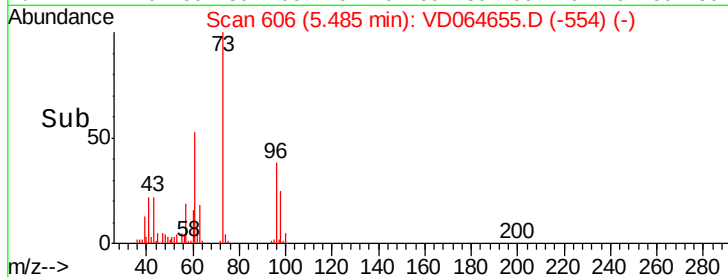
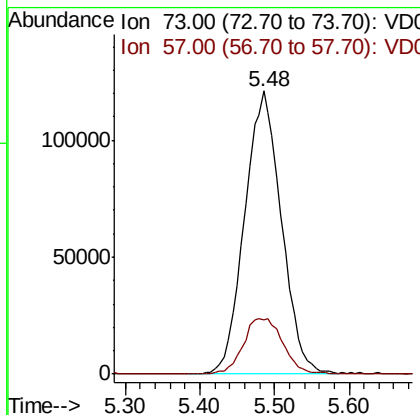
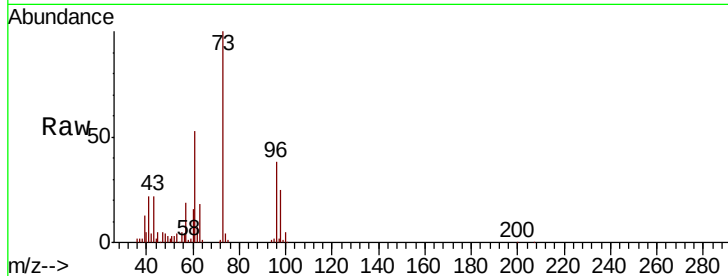
Methyl tert-butyl Ether
 Concen: 52.205 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.3	18.6	27.8

Manual Integrations
 APPROVED

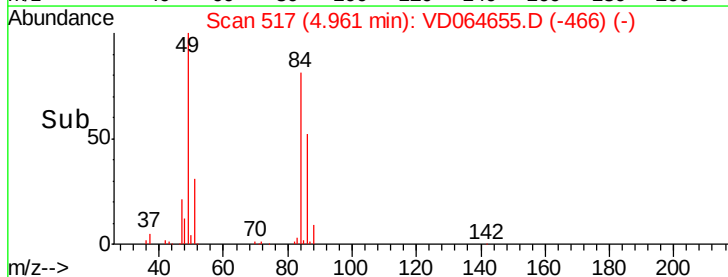
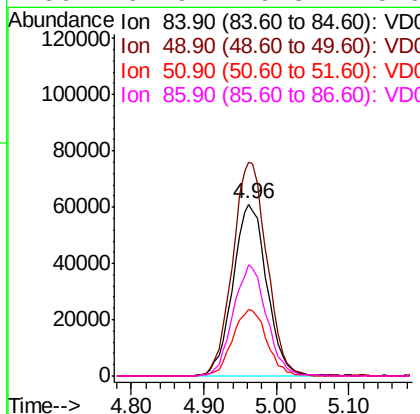
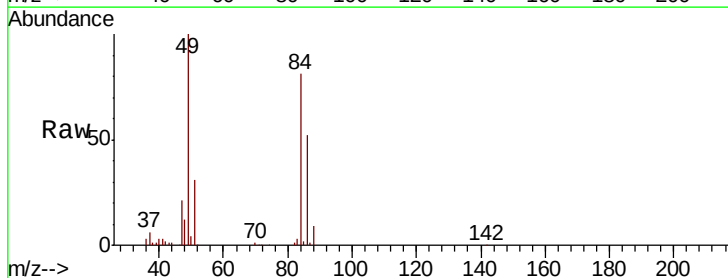
apatel
 12/30/2019 11:03:17 AM

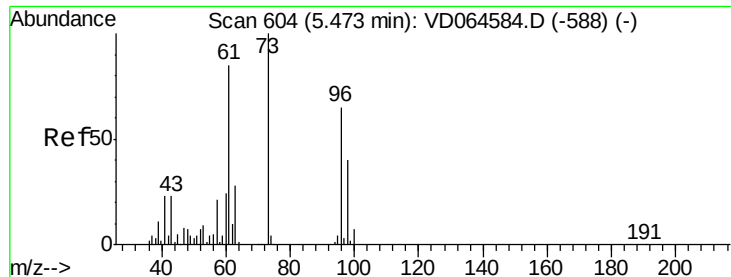


#20

Methylene Chloride
 Concen: 54.477 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.2	97.2	145.8
51	38.4	31.4	47.0
86	64.9	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 49.821 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 202533

Ion Ratio Lower Upper

96 100

61 131.2 104.7 157.1

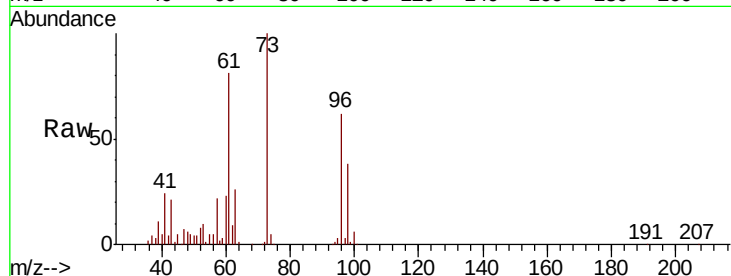
98 61.7 49.4 74.2

Manual Integrations

APPROVED

apatel

12/30/2019 11:03:17 AM

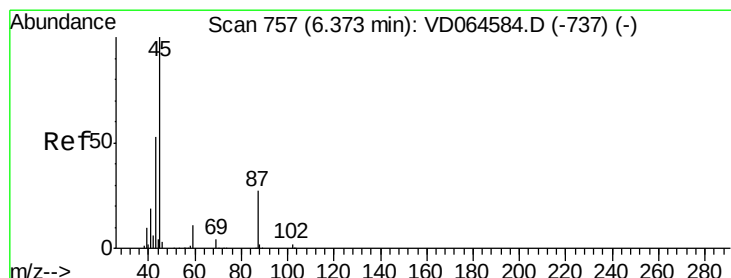
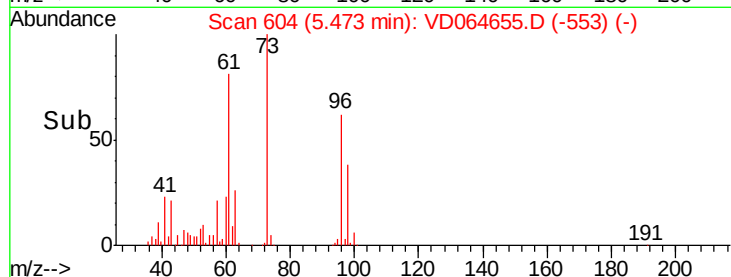
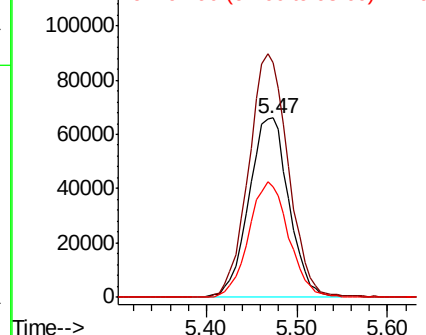


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 52.240 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Tgt Ion: 45 Resp: 579896

Ion Ratio Lower Upper

45 100

43 52.6 43.2 64.8

87 26.7 21.9 32.9

59 11.0 9.0 13.4

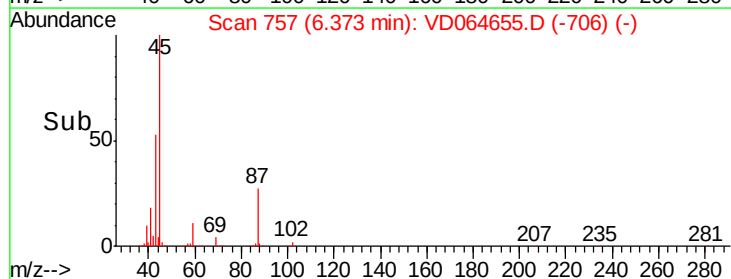
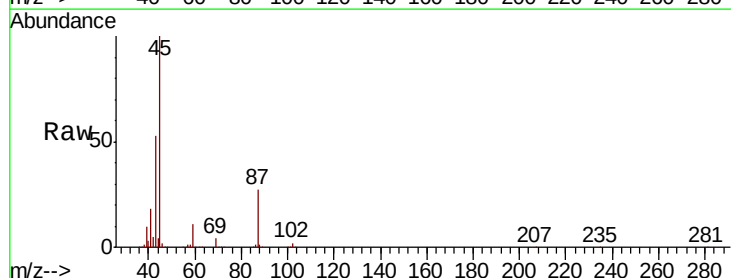
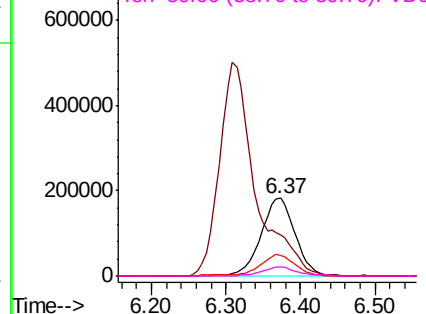
Abundance

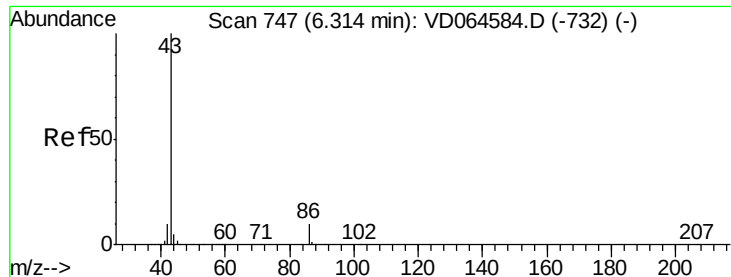
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 266.872 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1680486

Ion Ratio Lower Upper

43 100

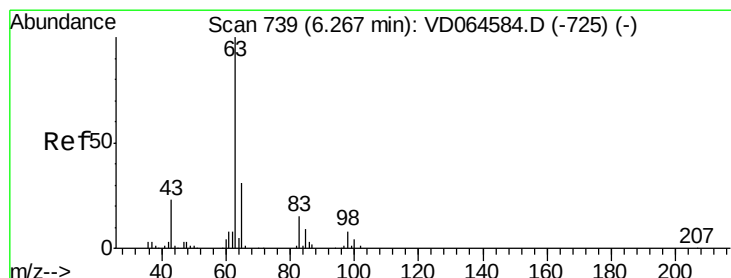
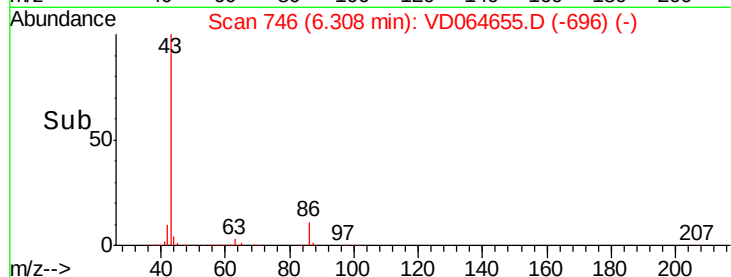
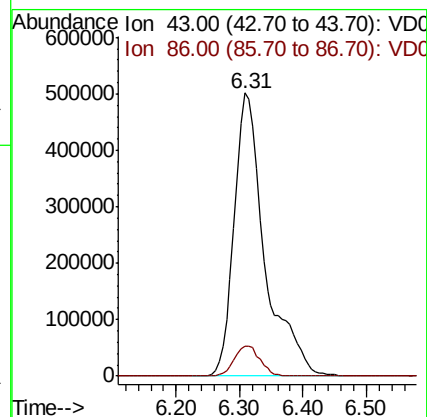
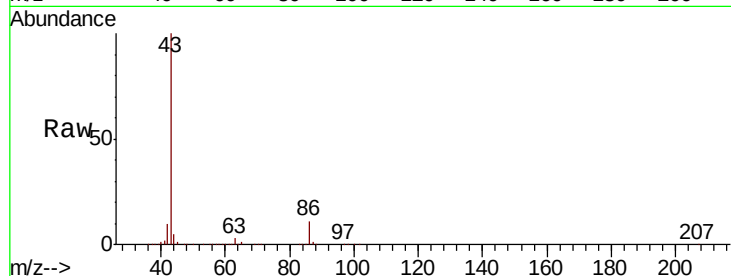
86 10.6 8.3 12.5

Manual Integrations

APPROVED

apatel

12/30/2019 11:03:17 AM



#24

1,1-Dichloroethane

Concen: 51.655 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

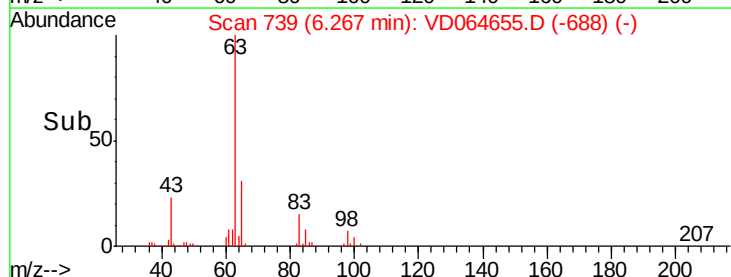
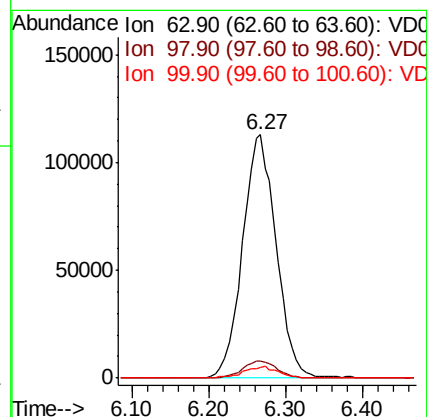
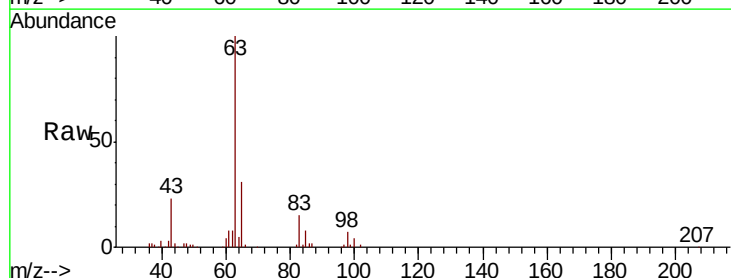
Tgt Ion: 63 Resp: 344236

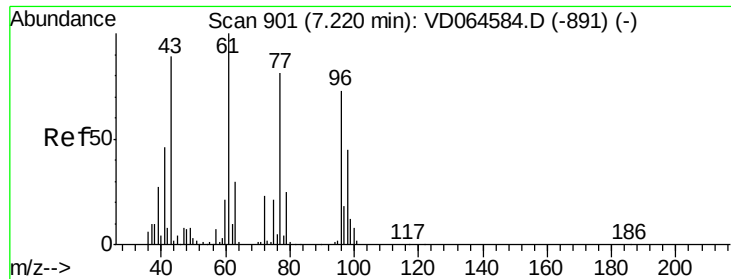
Ion Ratio Lower Upper

63 100

98 7.2 4.1 12.3

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 244.007 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 239962

Ion Ratio Lower Upper

43 100

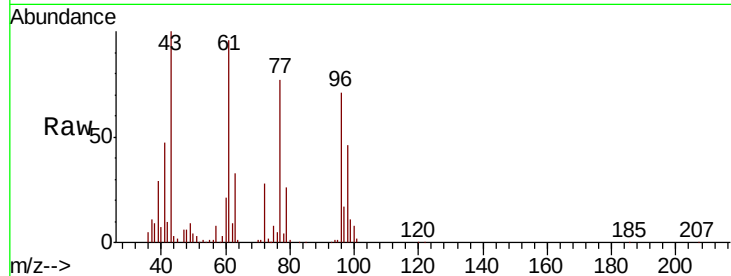
72 27.8 20.7 31.1

Manual Integrations

APPROVED

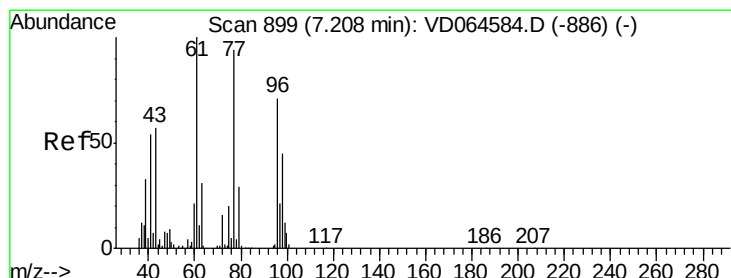
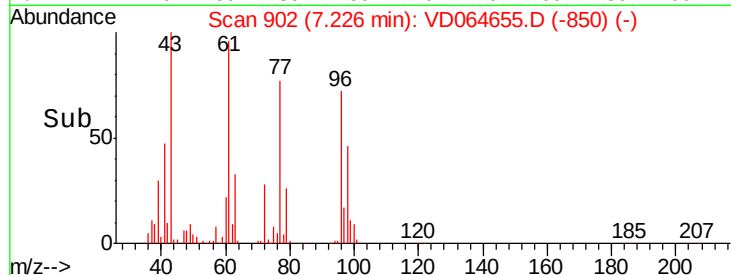
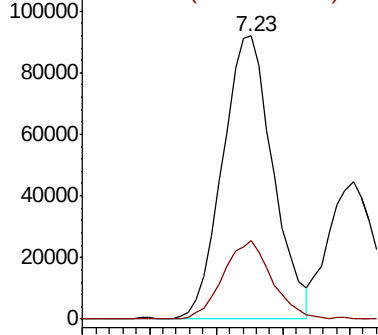
apatel

12/30/2019 11:03:17 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 46.332 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064655.D

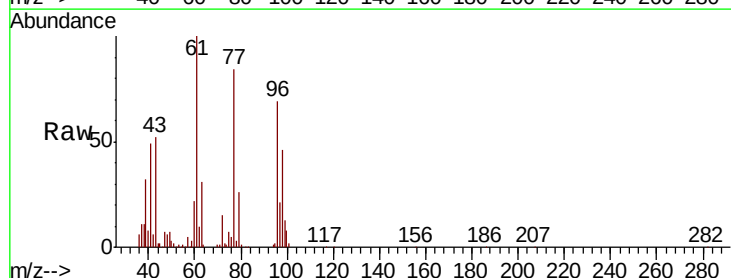
Acq: 27 Dec 2019 20:36

Tgt Ion: 77 Resp: 287071

Ion Ratio Lower Upper

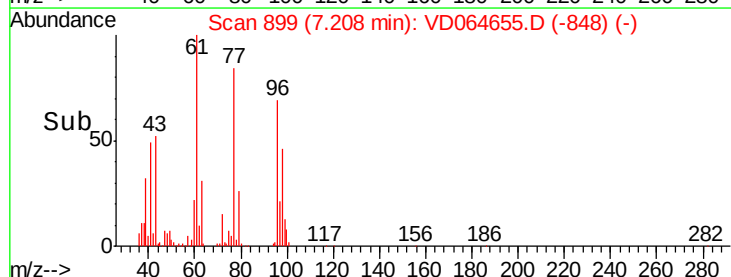
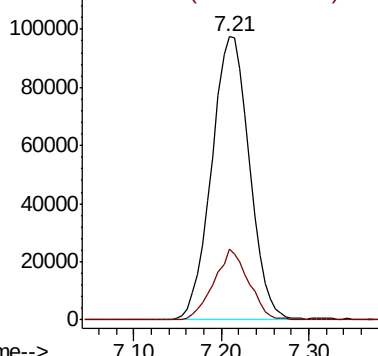
77 100

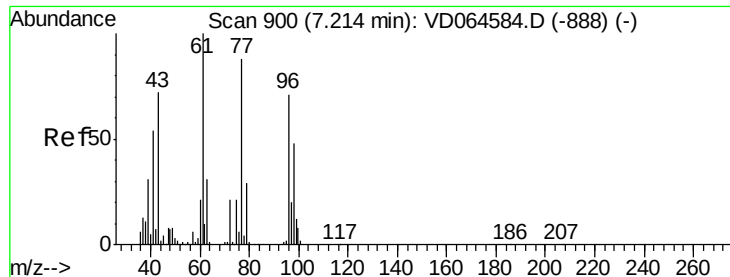
97 22.9 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

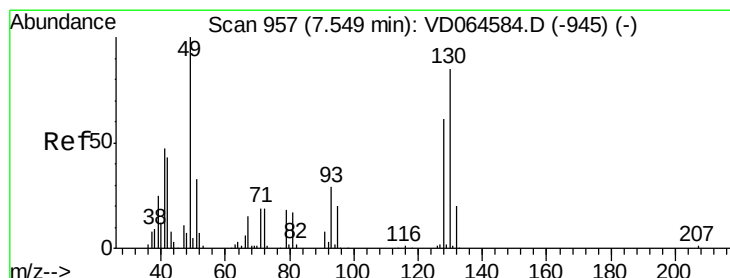
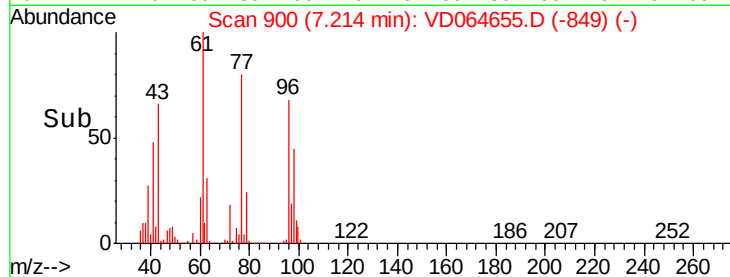
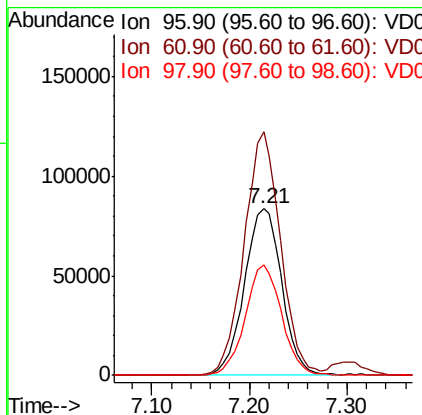
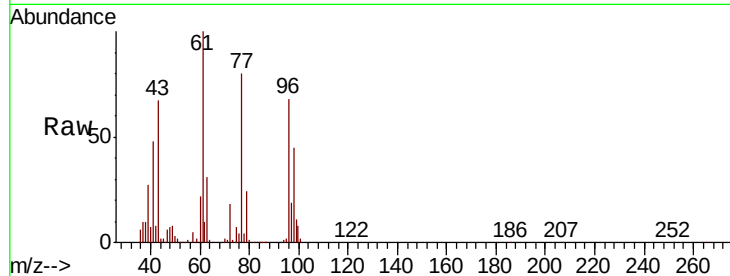
cis-1,2-Dichloroethene
 Concen: 50.817 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.4	0.0	282.6
98	64.5	0.0	130.8

Manual Integrations
 APPROVED

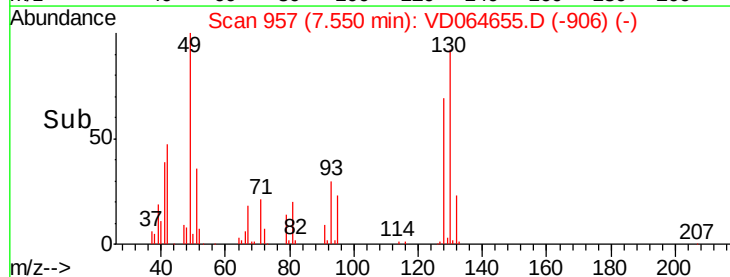
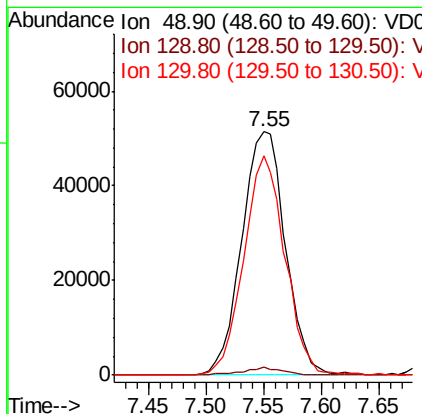
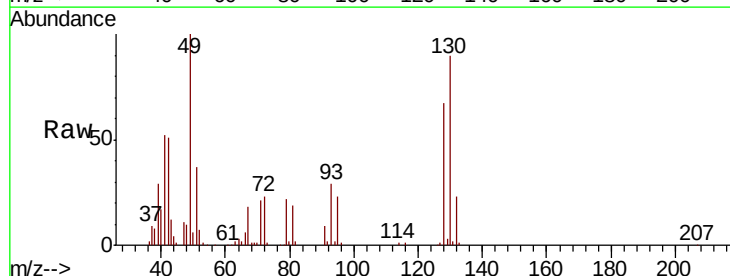
apatel
 12/30/2019 11:03:17 AM

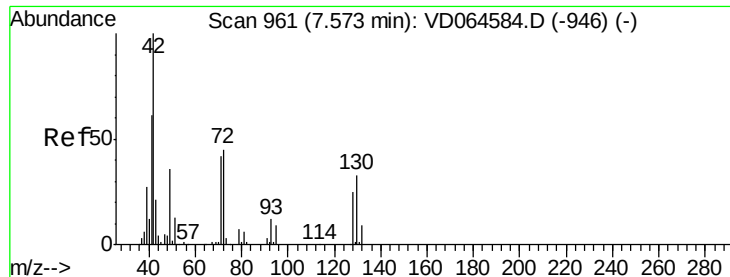


#28

Bromochloromethane
 Concen: 52.216 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.8
130	85.2	65.0	97.6





#29

Tetrahydrofuran

Concen: 258.151 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

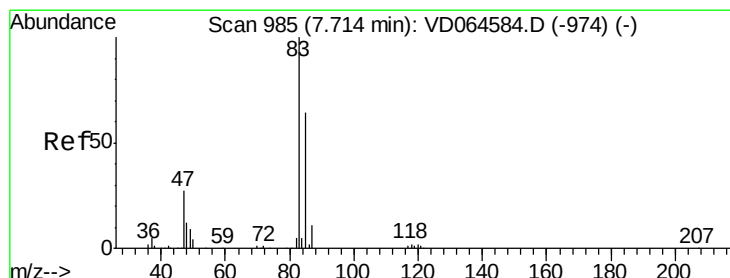
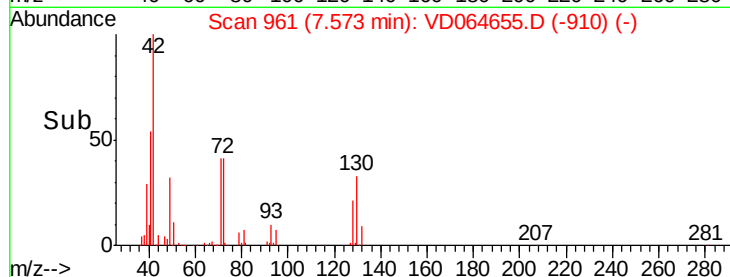
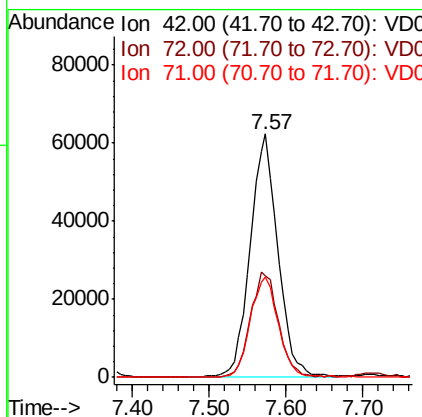
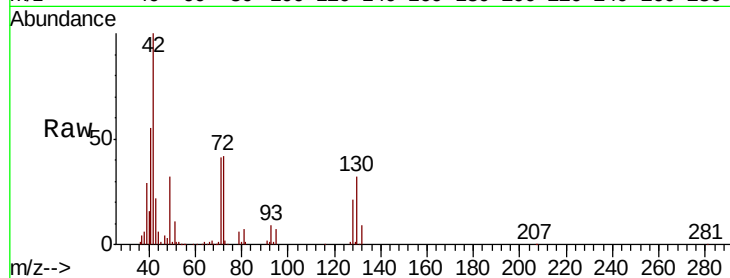
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	157876
Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.0	52.4
71	41.3	32.9	49.3

Manual Integrations
APPROVED

apatel
12/30/2019 11:03:17 AM



#30

Chloroform

Concen: 51.733 ug/l

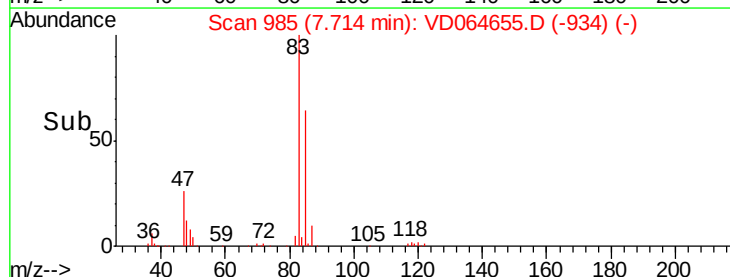
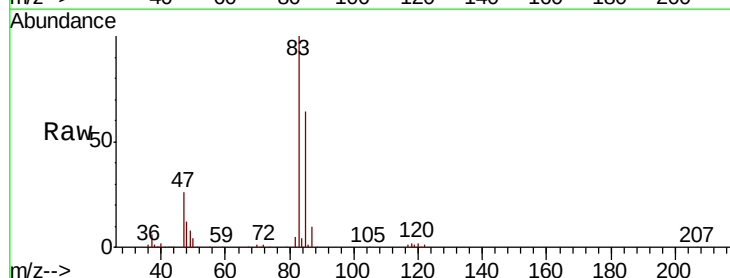
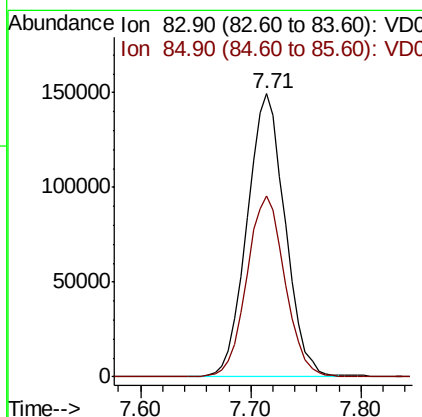
RT: 7.71 min Scan# 985

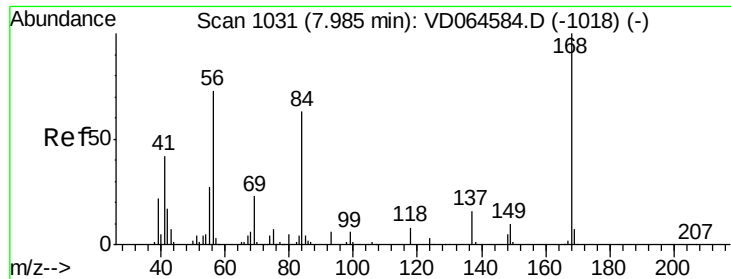
Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Tgt Ion:	83	Resp:	361708
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.1	76.7





#31

Cyclohexane

Concen: 45.559 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

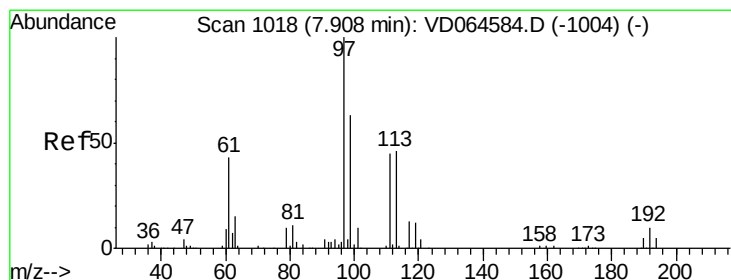
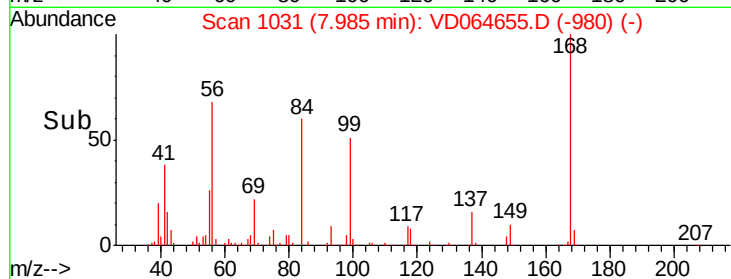
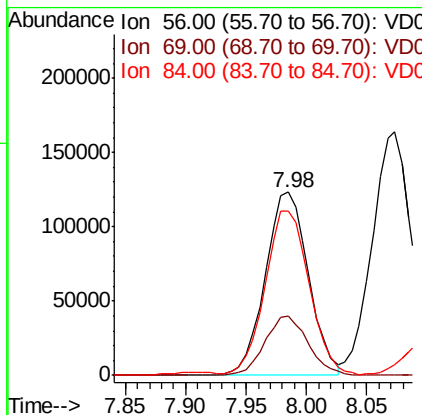
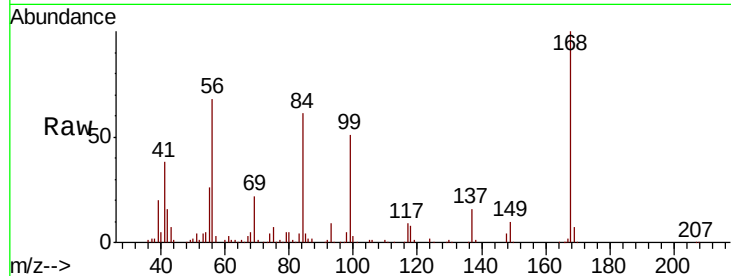
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	303914
Ion Ratio	Lower	Upper	
56	100		
69	32.6	24.7	37.1
84	87.8	69.4	104.2

Manual Integrations
APPROVED

apatel
12/30/2019 11:03:17 AM



#32

1,1,1-Trichloroethane

Concen: 50.299 ug/l

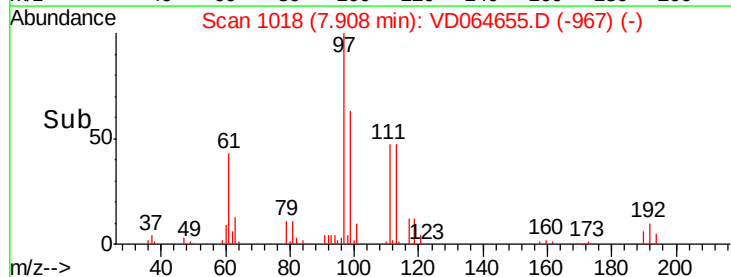
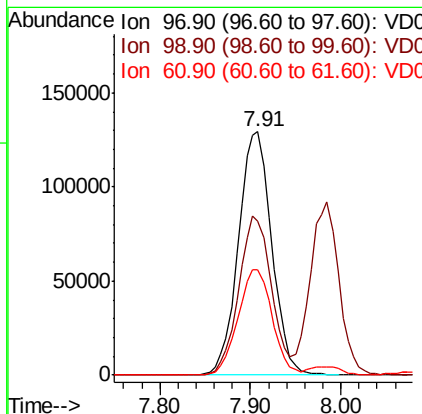
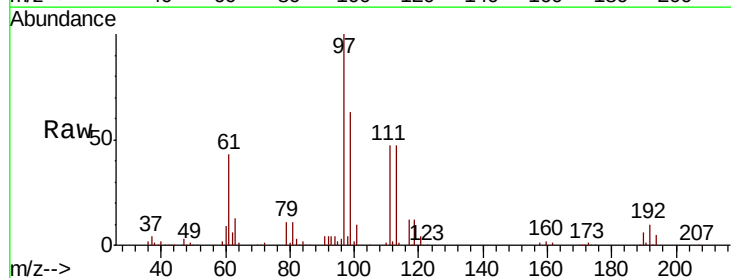
RT: 7.91 min Scan# 1018

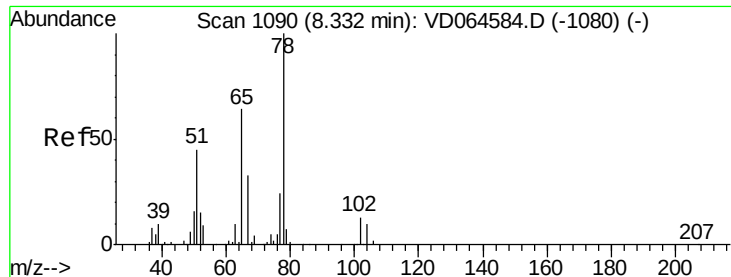
Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Tgt Ion:	97	Resp:	330317
Ion Ratio	Lower	Upper	
97	100		
99	64.1	51.0	76.6
61	44.4	35.4	53.0





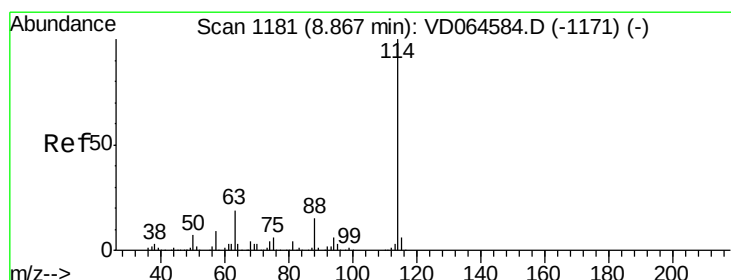
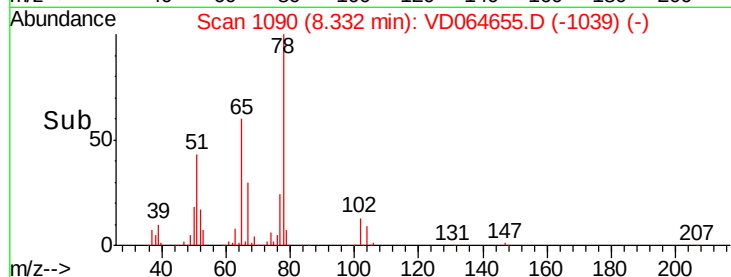
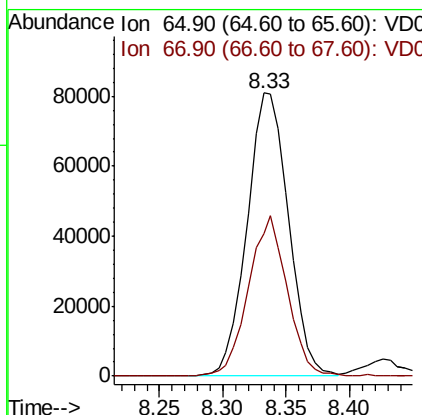
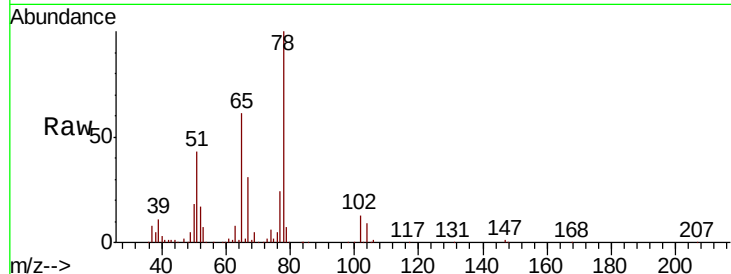
#33
 1,2-Dichloroethane-d4
 Concen: 51.500 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	184252		
67	53.0	0.0	106.2	

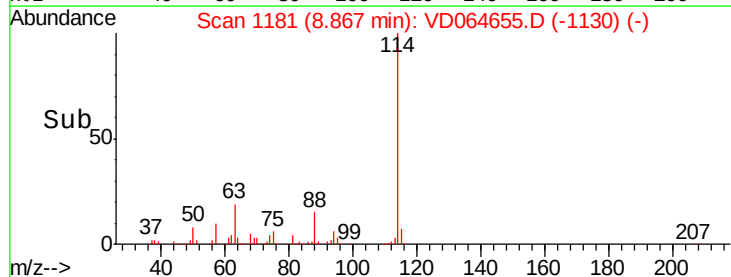
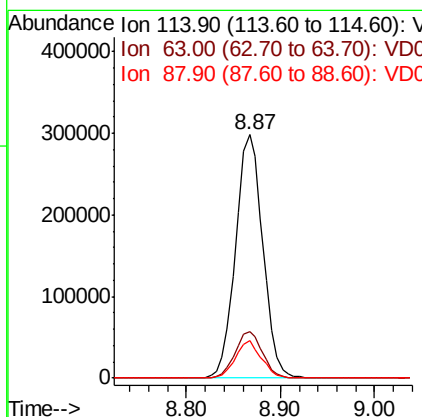
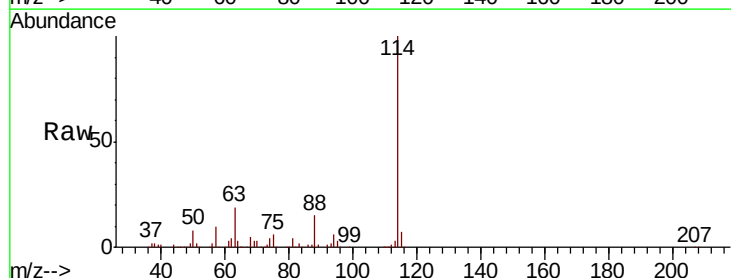
Manual Integrations
 APPROVED

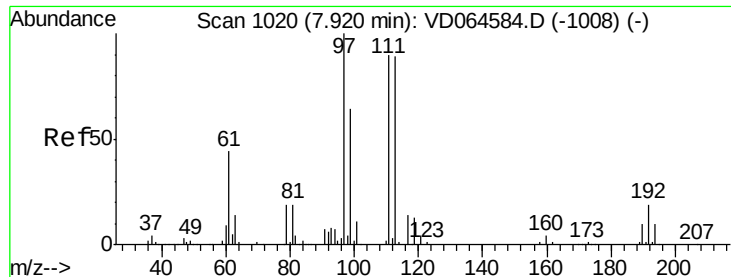
apatel
 12/30/2019 11:03:17 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	599624		
63	19.2	0.0	38.0	
88	15.2	0.0	29.2	





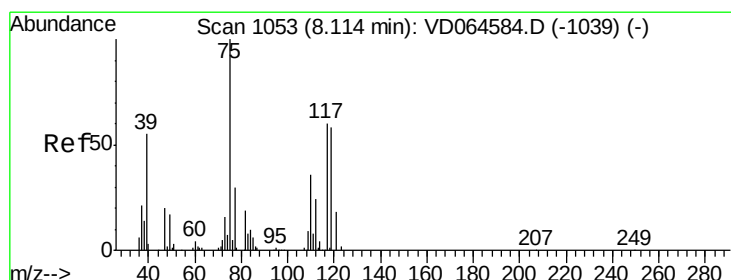
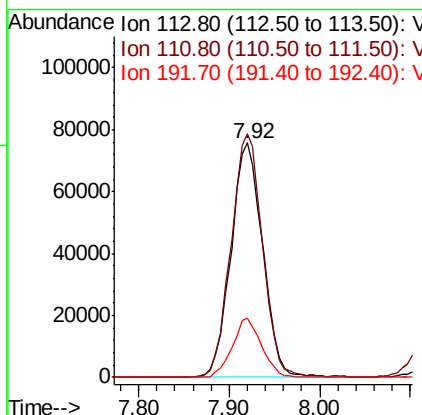
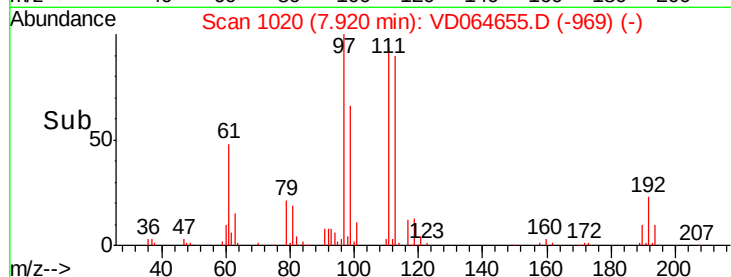
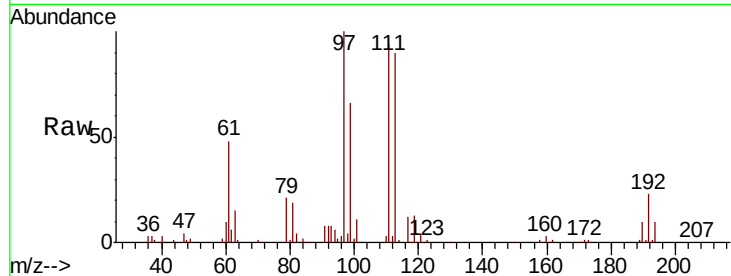
#35
Dibromofluoromethane
Concen: 49.949 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	183752		
111	103.8	80.6	121.0	
192	23.2	17.9	26.9	

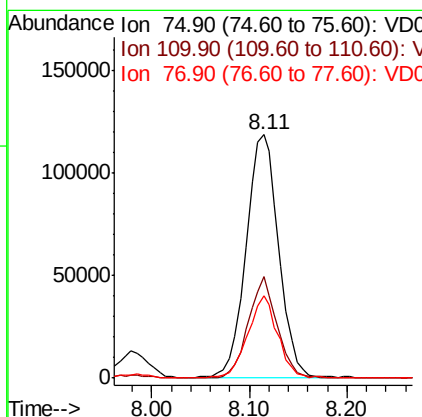
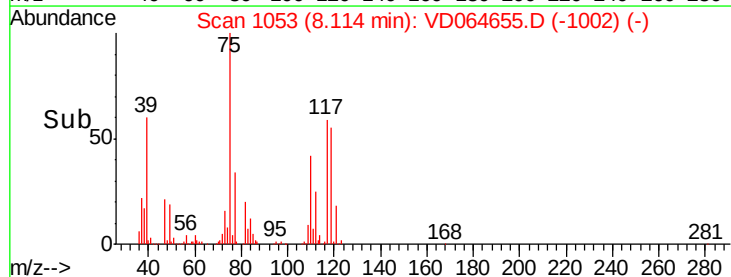
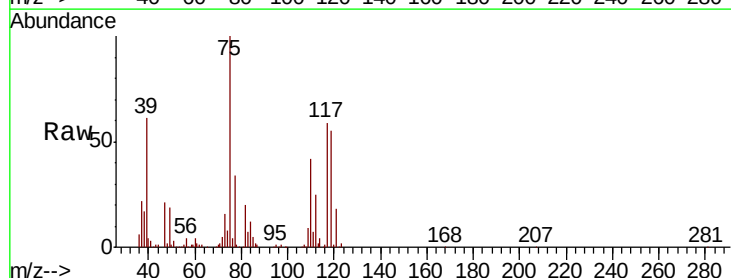
Manual Integrations
APPROVED

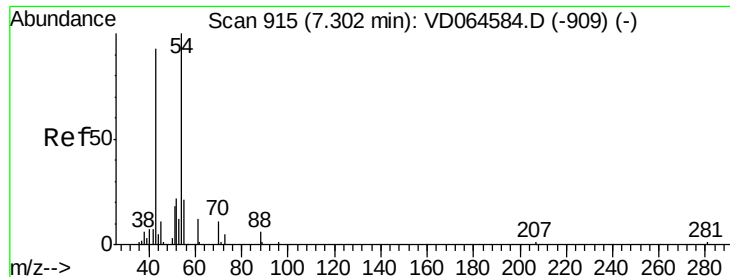
apatel
12/30/2019 11:03:17 AM



#36
1,1-Dichloropropene
Concen: 48.127 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	277757		
110	36.6	18.1	54.1	
77	31.5	24.2	36.4	





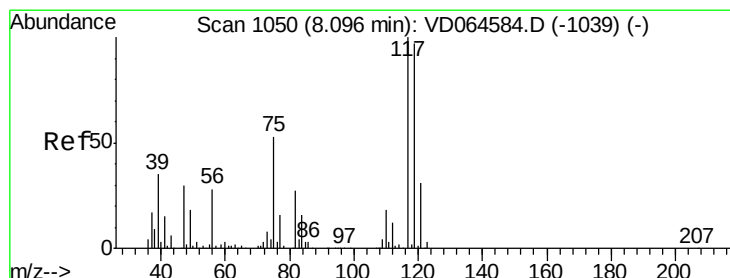
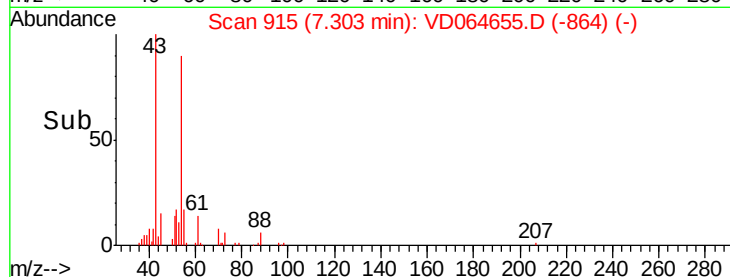
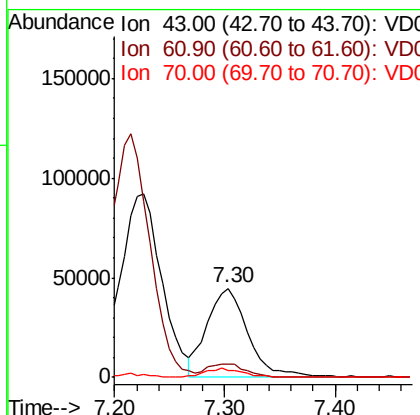
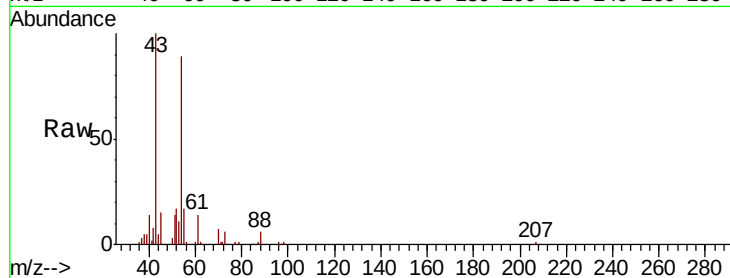
#37
Ethyl Acetate
Concen: 49.892 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.3	15.5
70	9.3	7.6	11.4

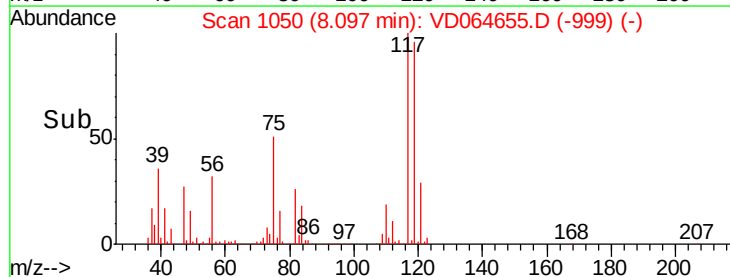
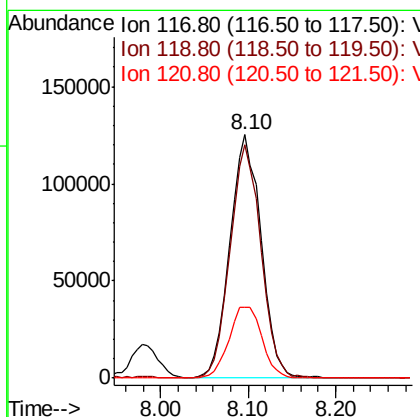
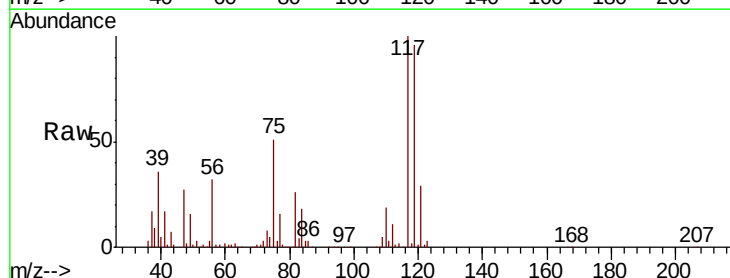
Manual Integrations
APPROVED

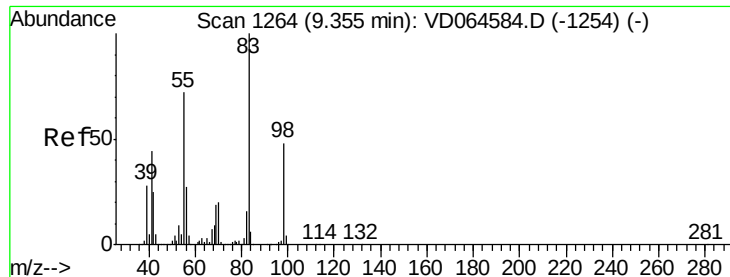
apatel
12/30/2019 11:03:17 AM



#38
Carbon Tetrachloride
Concen: 49.120 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.2	77.3	115.9
121	29.4	25.0	37.6





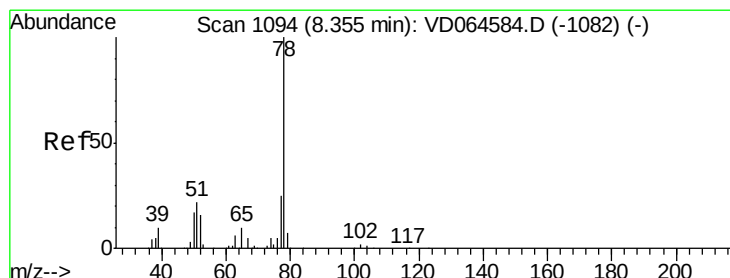
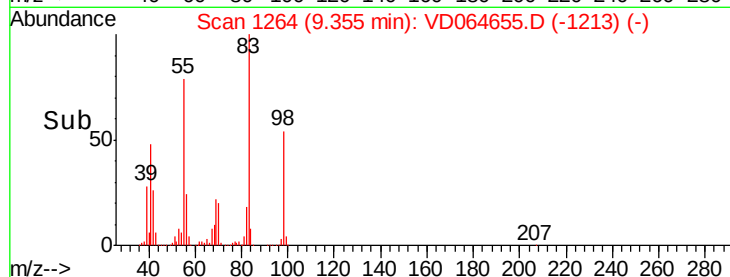
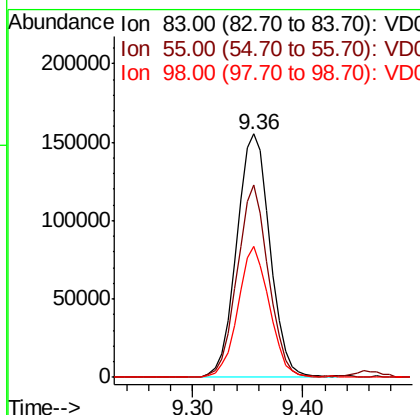
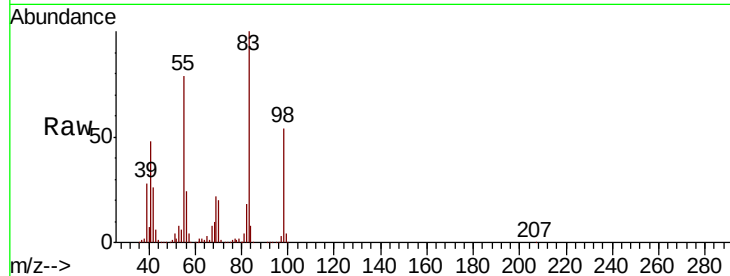
#39
Methylvlcyclohexane
Concen: 47.163 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.0	57.8	86.6
98	53.8	38.7	58.1

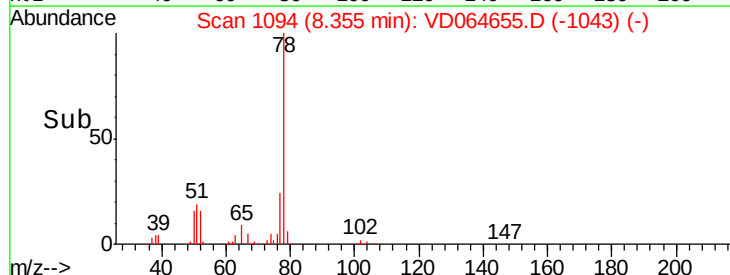
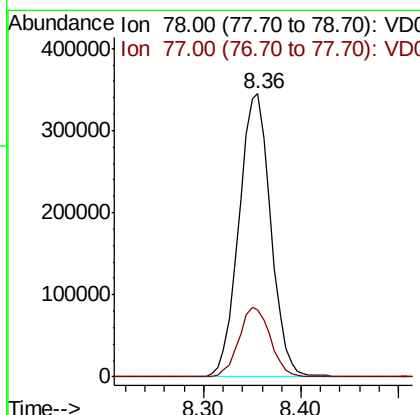
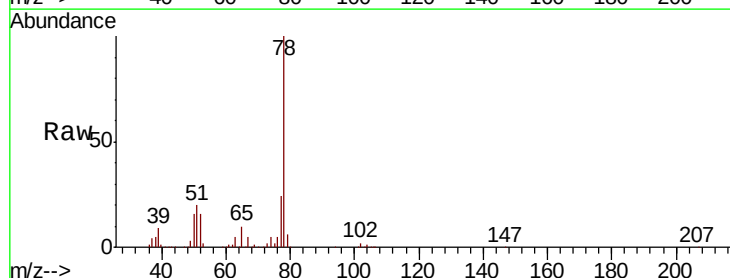
Manual Integrations
APPROVED

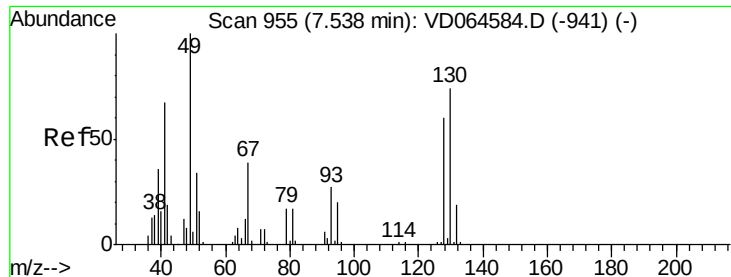
apatel
12/30/2019 11:03:17 AM



#40
Benzene
Concen: 49.863 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.9	29.9





#41

Methacrylonitrile

Concen: 56.897 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 74847

Ion Ratio Lower Upper

41 100

39 48.6 46.7 70.1

67 65.3 52.5 78.7

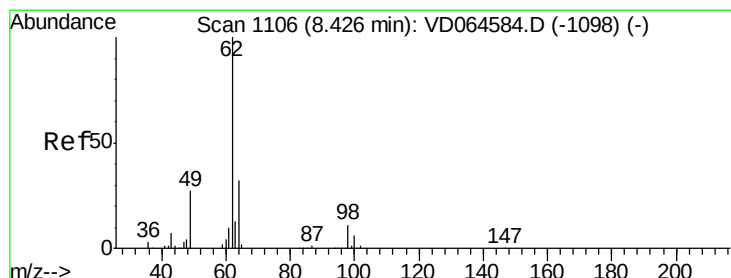
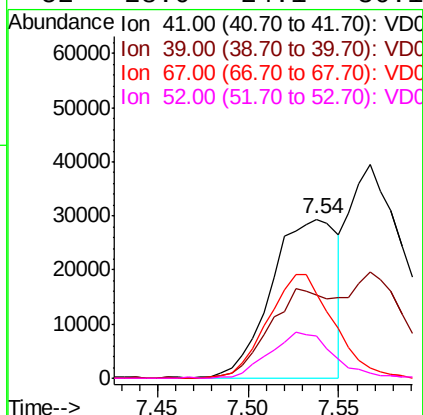
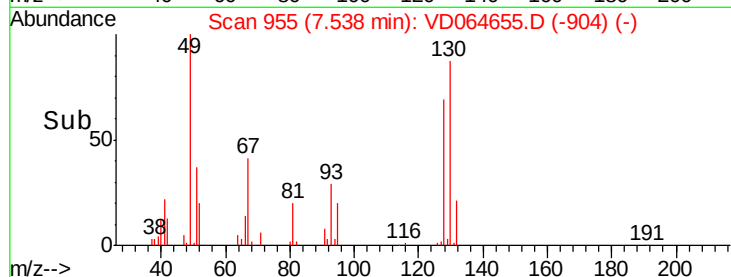
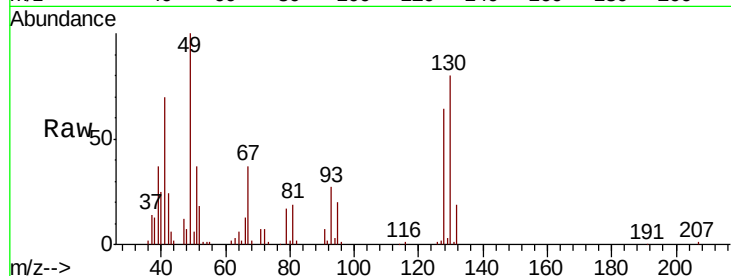
52 28.0 24.1 36.1

Manual Integrations

APPROVED

apatel

12/30/2019 11:03:17 AM



#42

1,2-Dichloroethane

Concen: 49.844 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064655.D

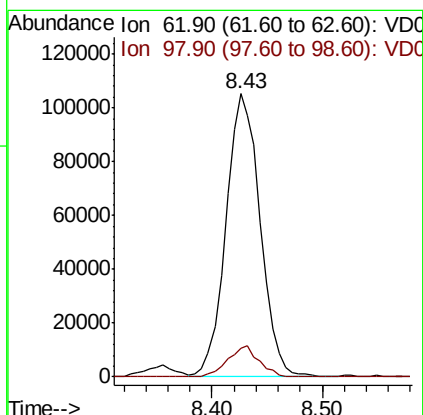
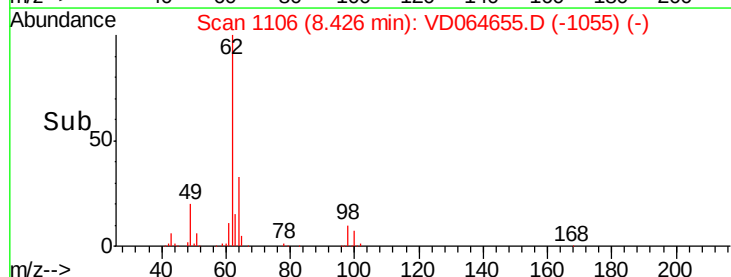
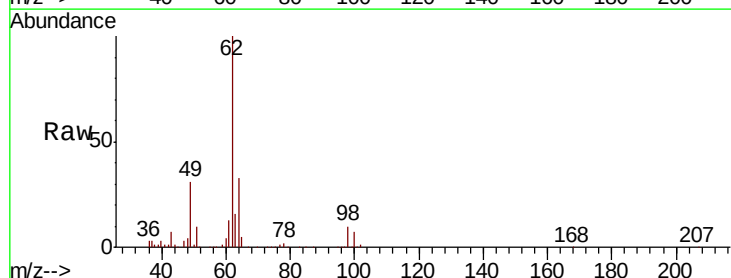
Acq: 27 Dec 2019 20:36

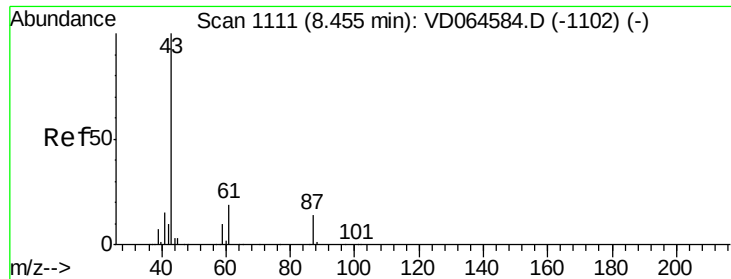
Tgt Ion: 62 Resp: 226934

Ion Ratio Lower Upper

62 100

98 10.0 0.0 20.0





#43

Isopropyl Acetate

Concen: 50.418 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

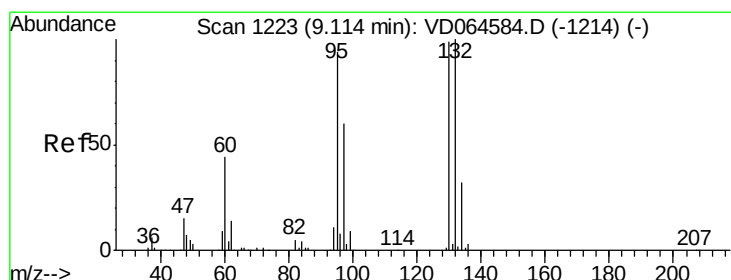
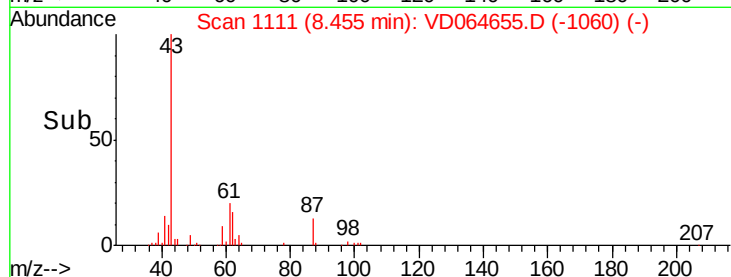
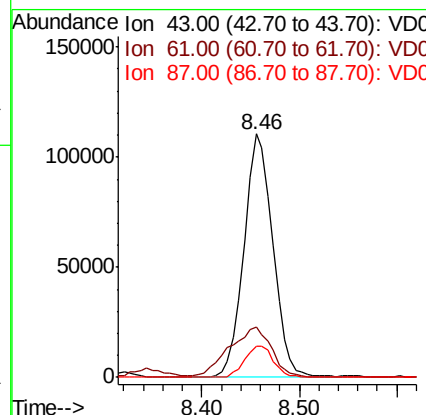
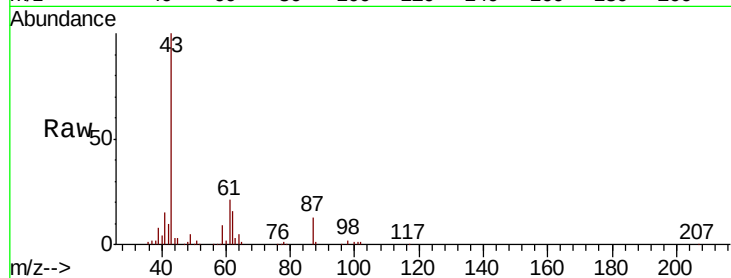
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	227527
Ion	Ratio	Lower	Upper
43	100		
61	29.8	23.7	35.5
87	12.9	10.5	15.7

Manual Integrations
APPROVED

apatel
12/30/2019 11:03:17 AM



#44

Trichloroethene

Concen: 49.055 ug/l

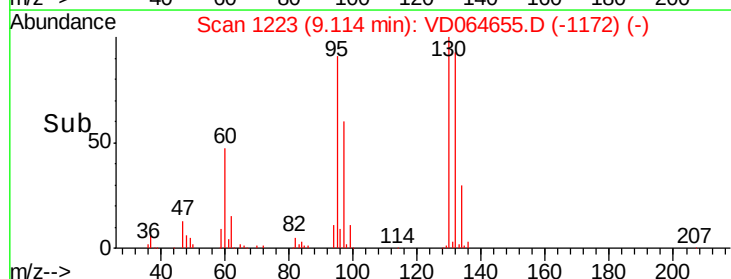
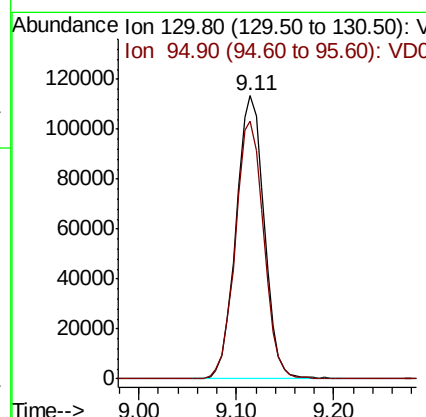
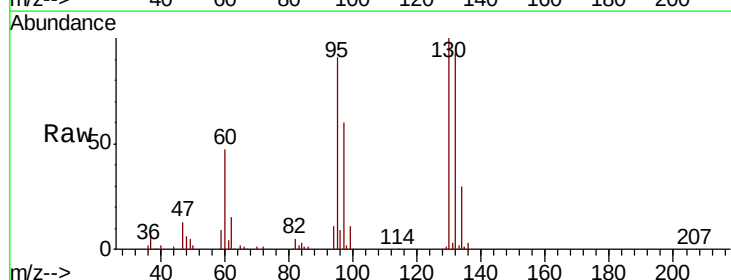
RT: 9.11 min Scan# 1223

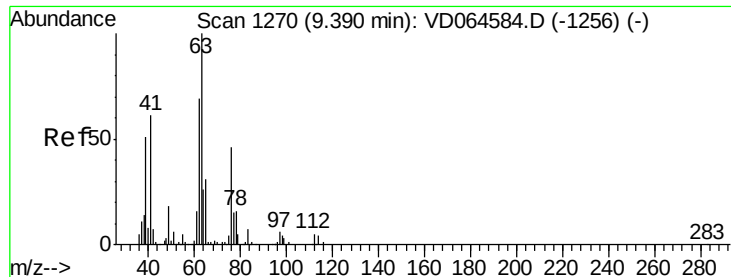
Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Tgt Ion:	130	Resp:	227044
Ion	Ratio	Lower	Upper
130	100		
95	91.2	0.0	190.2





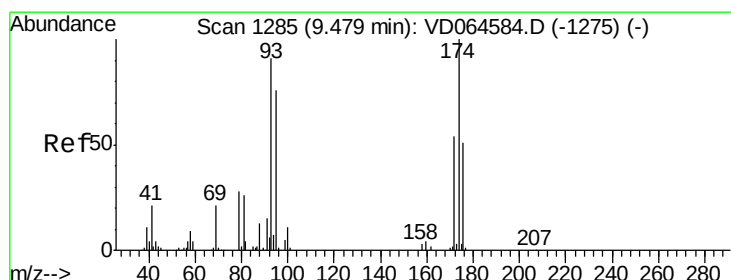
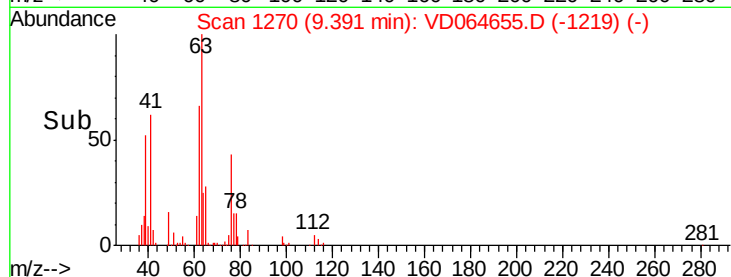
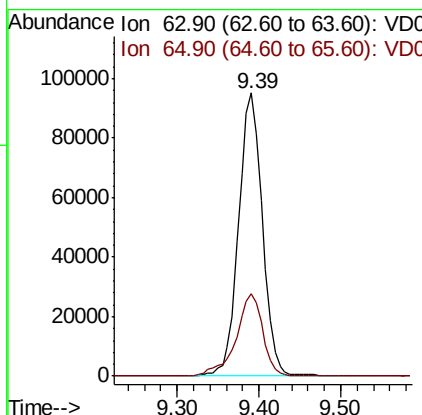
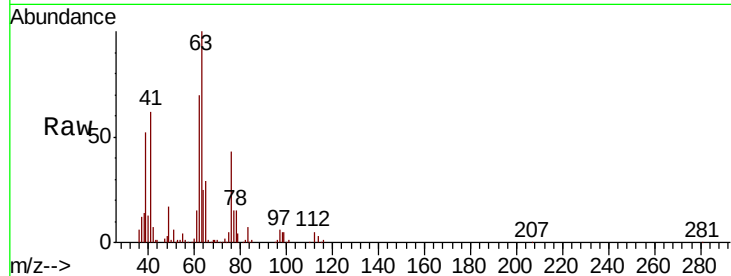
#45
 1,2-Dichloropropane
 Concen: 51.437 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.0	25.2	37.8

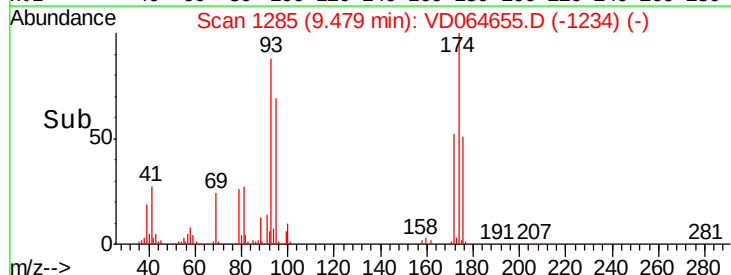
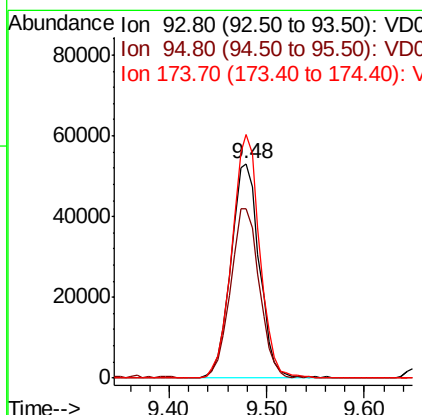
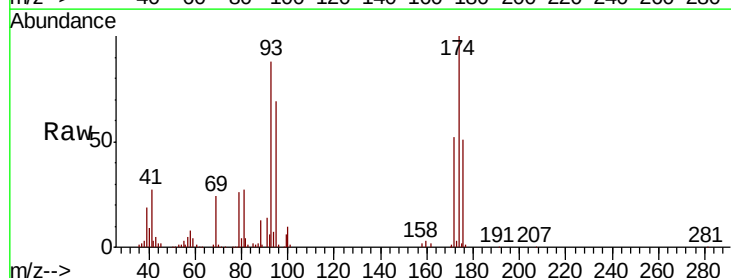
Manual Integrations
 APPROVED

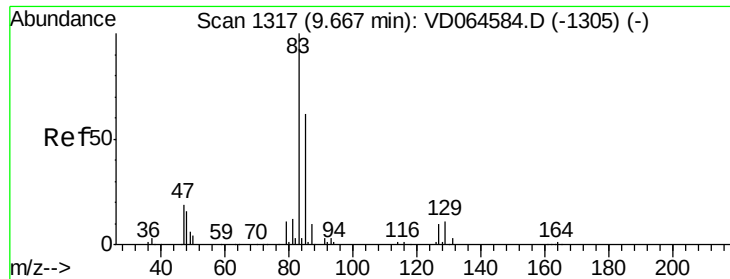
apatel
 12/30/2019 11:03:17 AM



#46
 Dibromomethane
 Concen: 51.309 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.3	64.6	97.0
174	110.6	88.1	132.1





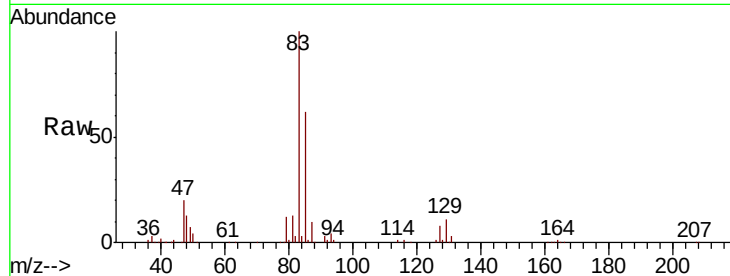
#47
Bromodichloromethane
Concen: 50.714 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	283028		
85	62.4		49.5	74.3
127	8.0		7.8	11.6

Manual Integrations
APPROVED

apatel
12/30/2019 11:03:17 AM

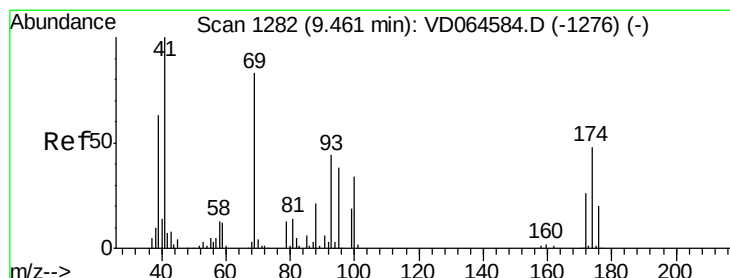
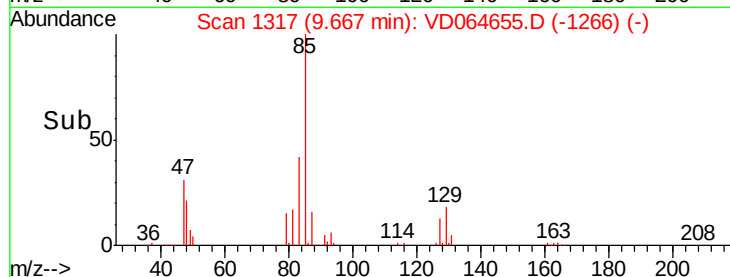
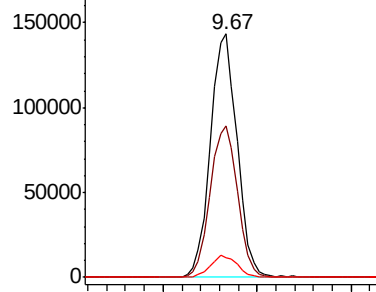


Abundance

Ion 82.90 (82.60 to 83.60): VDC

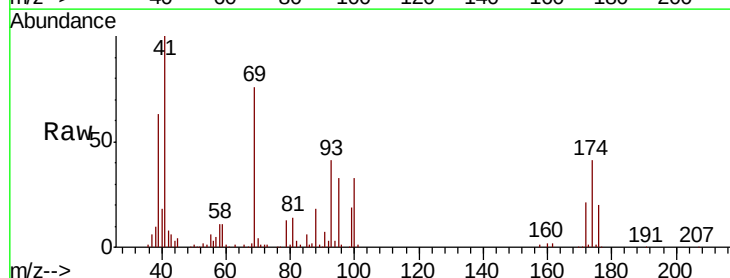
Ion 84.90 (84.60 to 85.60): VDC

Ion 126.80 (126.50 to 127.50): VDC



#48
Methyl methacrylate
Concen: 50.199 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	106668		
69	85.2		63.0	94.6
39	62.7		47.4	71.2

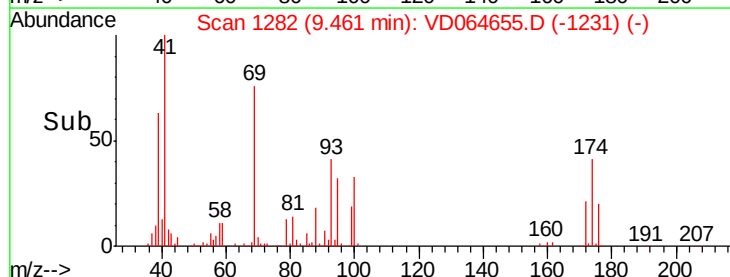
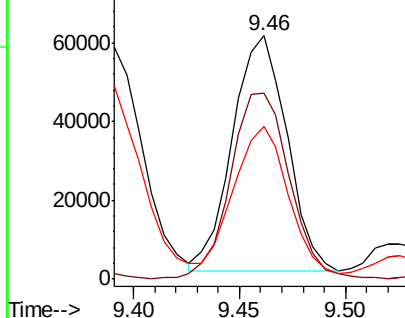


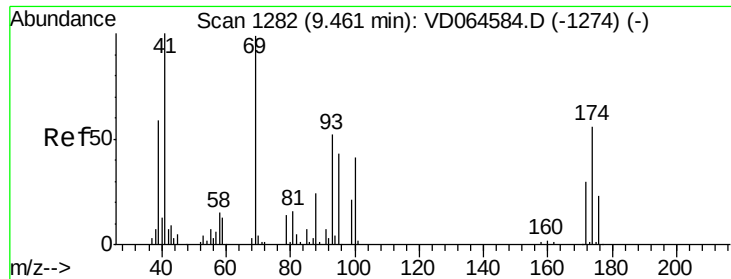
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





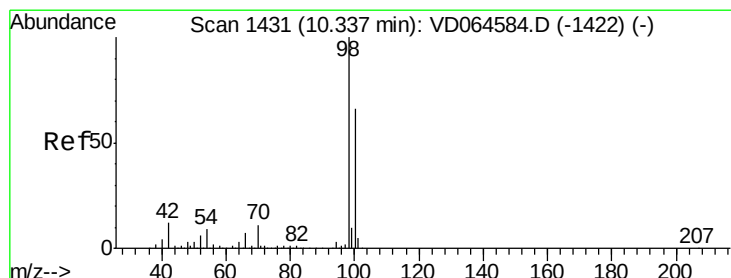
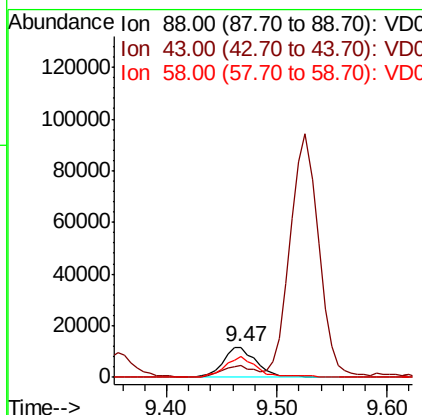
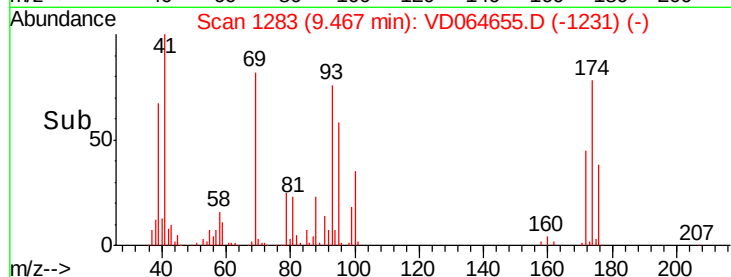
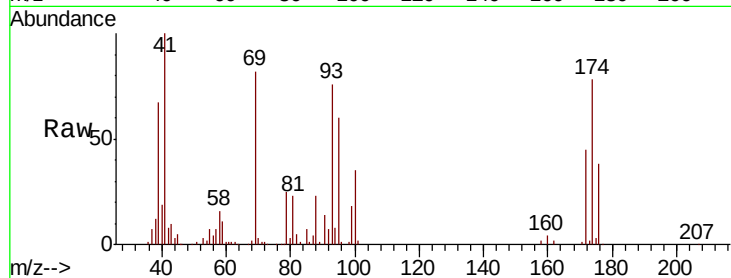
#49
1,4-Dioxane
Concen: 1016.772 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	24589
Ion Ratio	Lower	Upper	
88	100		
43	37.7	27.7	41.5
58	63.5	53.8	80.6

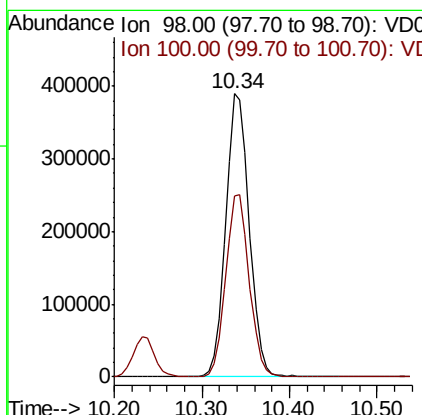
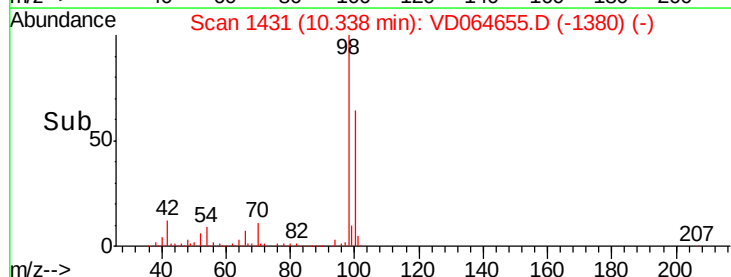
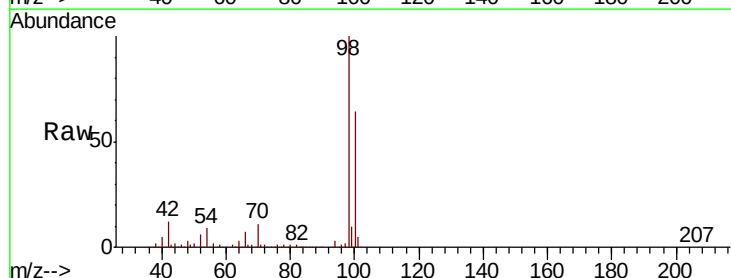
Manual Integrations
APPROVED

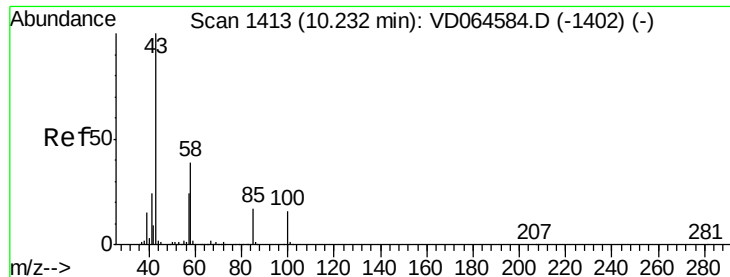
apatel
12/30/2019 11:03:17 AM



#50
Toluene-d8
Concen: 50.897 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion	98	Resp	717102
Ion Ratio	Lower	Upper	
98	100		
100	64.2	51.7	77.5





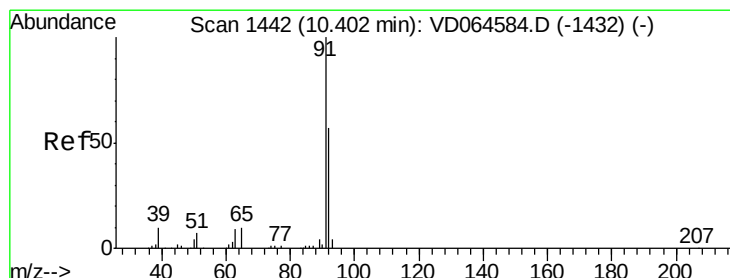
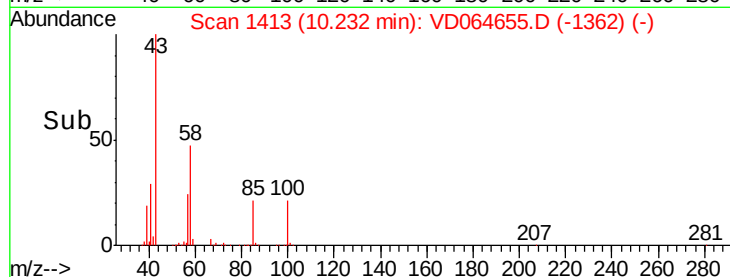
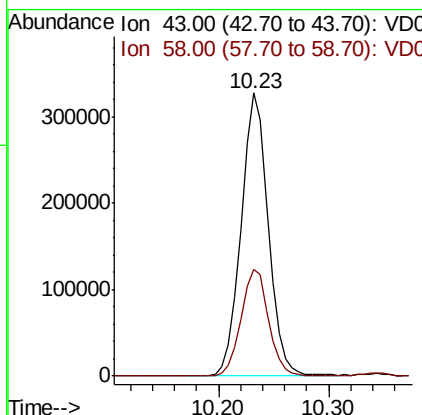
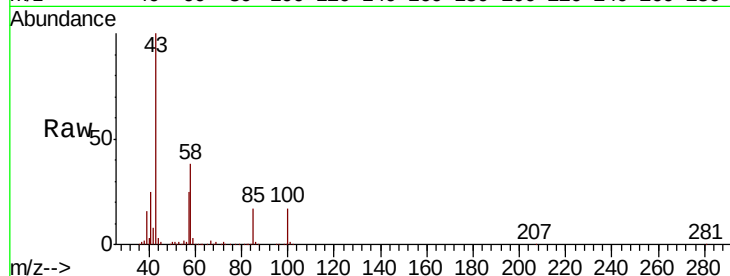
#51
4-Methyl-2-Pentanone
Concen: 254.701 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.1	30.2	45.2

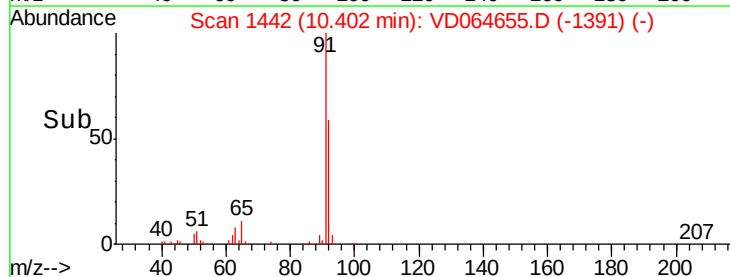
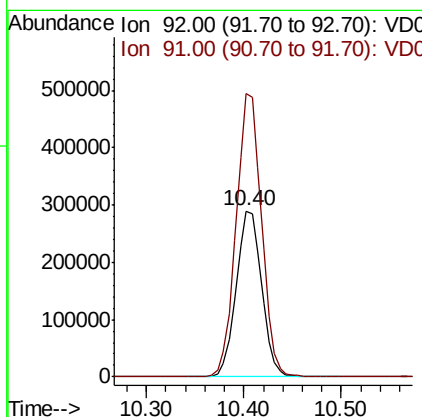
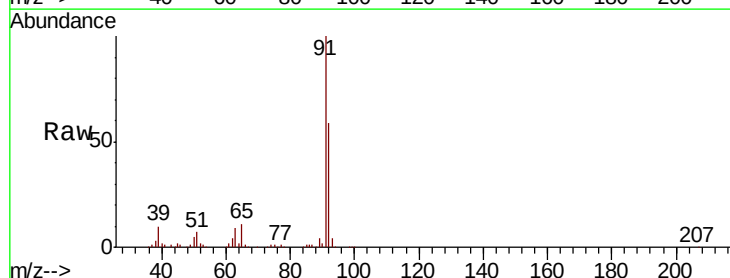
Manual Integrations
APPROVED

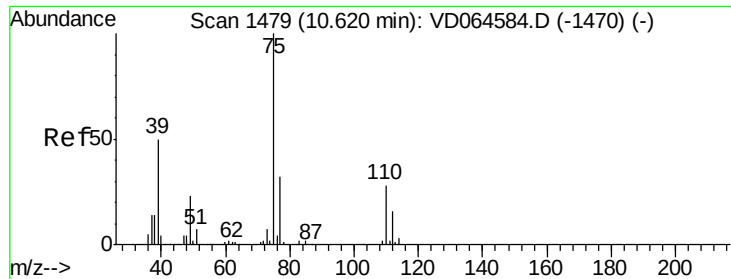
apatel
12/30/2019 11:03:17 AM



#52
Toluene
Concen: 50.744 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.6	138.7	208.1





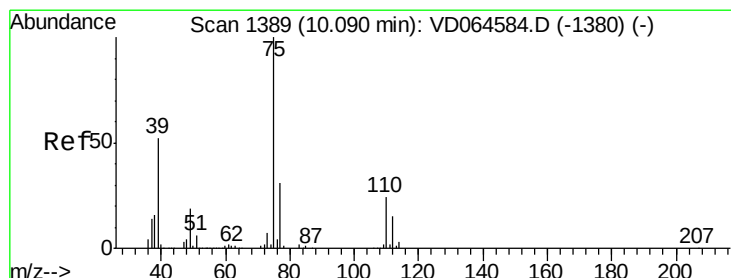
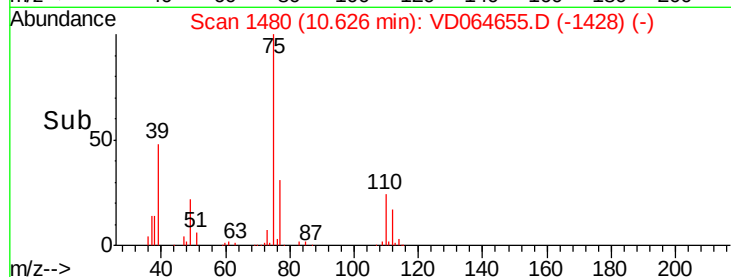
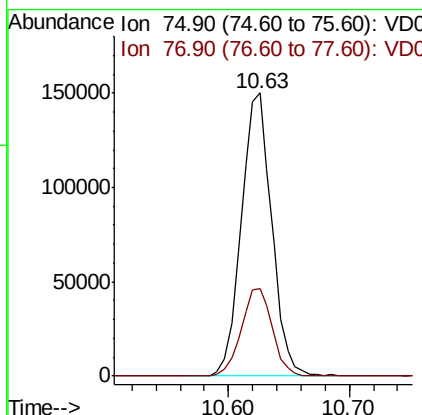
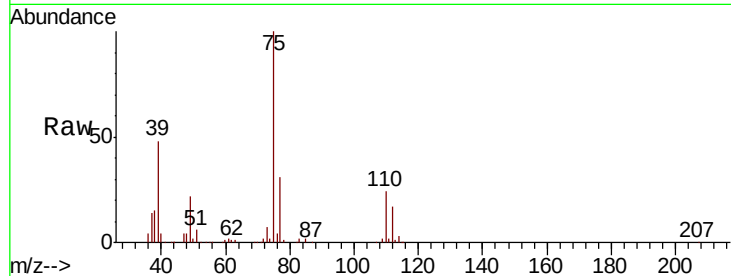
#53
t-1,3-Dichloropropene
Concen: 50.665 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 263616
Ion Ratio Lower Upper
75 100
77 30.8 25.4 38.2

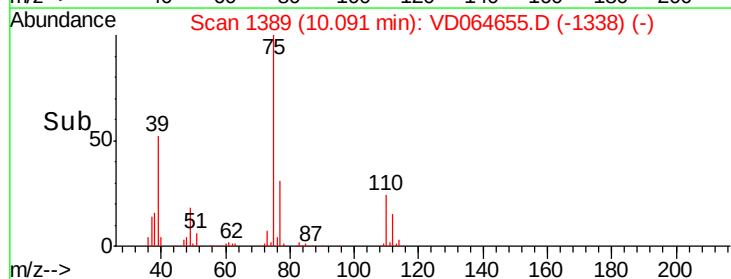
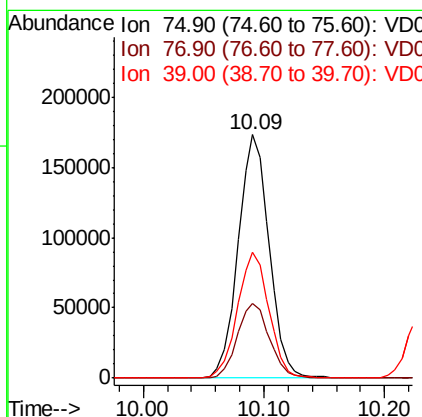
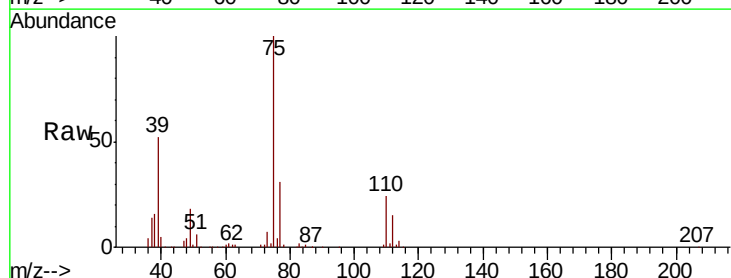
Manual Integrations
APPROVED

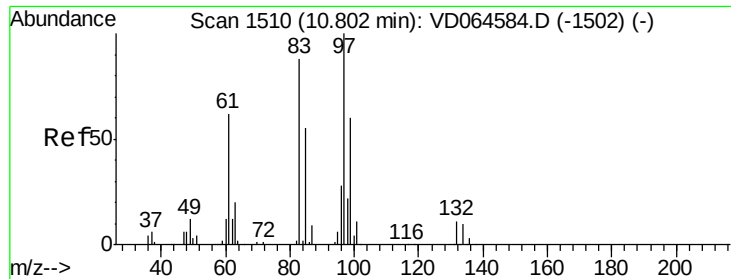
apatel
12/30/2019 11:03:17 AM



#54
cis-1,3-Dichloropropene
Concen: 50.597 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion: 75 Resp: 310424
Ion Ratio Lower Upper
75 100
77 30.5 24.6 36.8
39 51.8 41.4 62.2





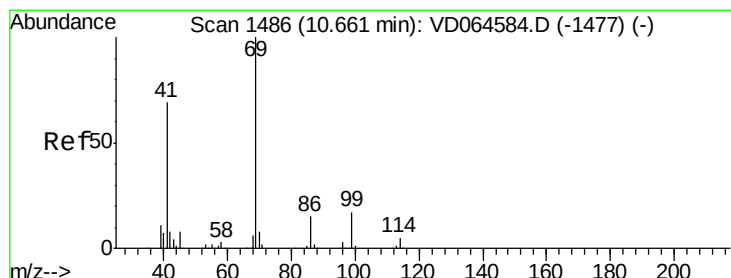
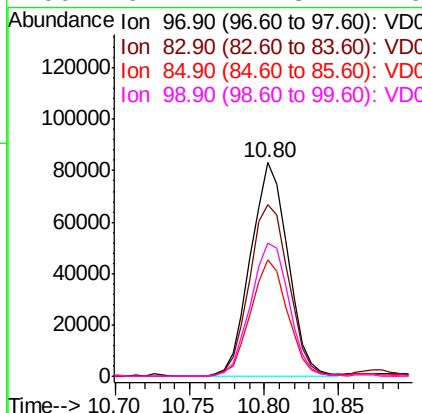
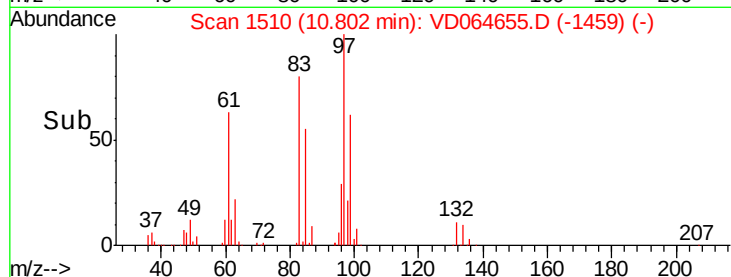
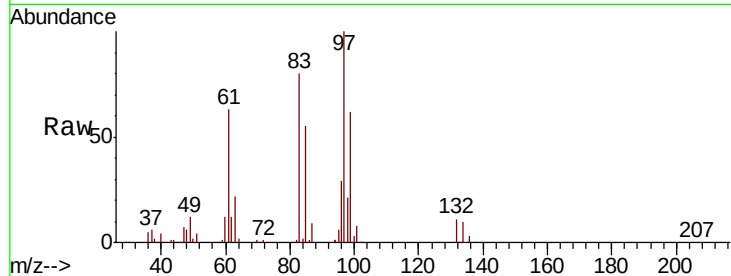
#55
 1,1,2-Trichloroethane
 Concen: 51.122 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	80.2	70.2	105.4
85	54.7	44.0	66.0
99	62.1	47.8	71.6

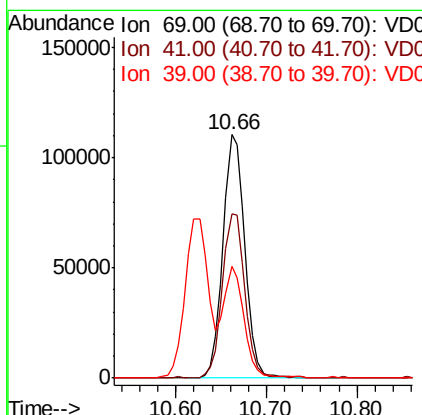
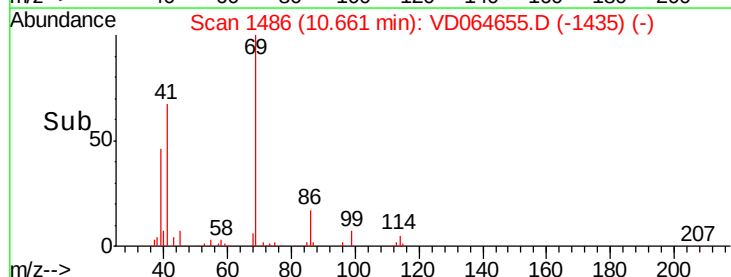
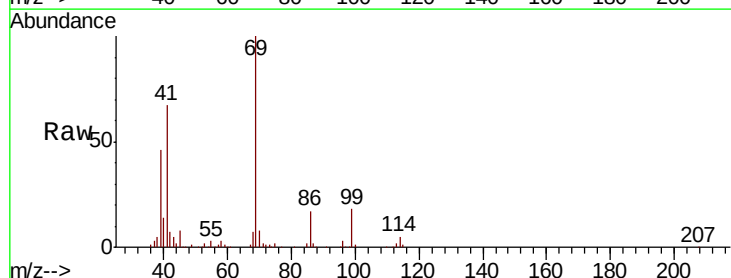
Manual Integrations
 APPROVED

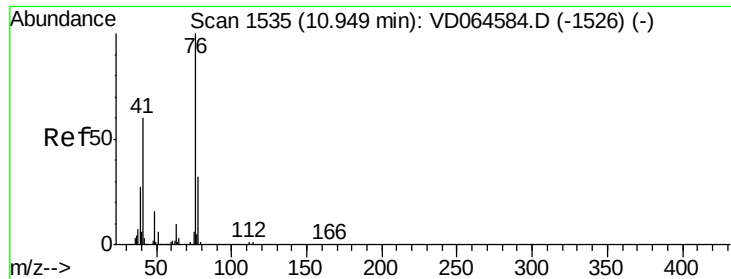
apatel
 12/30/2019 11:03:17 AM



#56
 Ethyl methacrylate
 Concen: 52.459 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.8	55.3	82.9
39	43.2	33.8	50.8





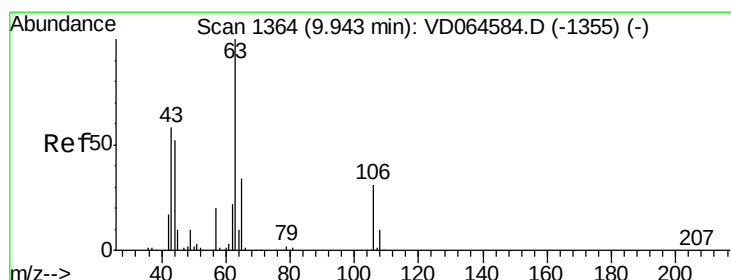
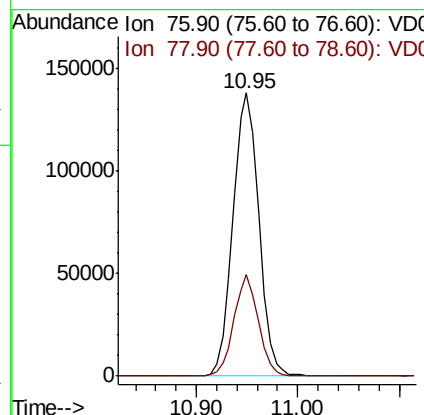
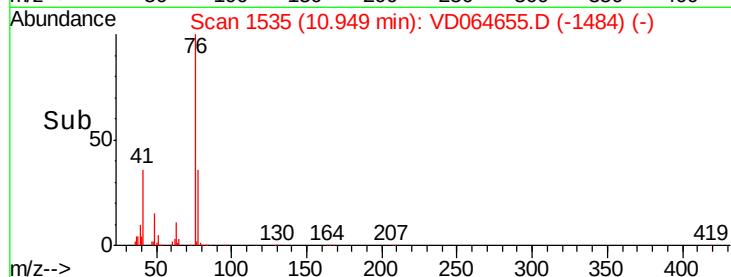
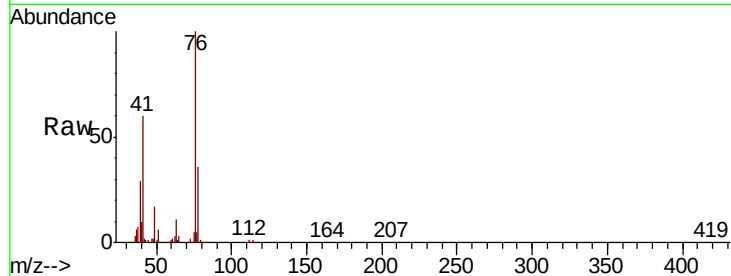
#57
 1,3-Dichloropropane
 Concen: 50.388 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 245221
 Ion Ratio Lower Upper
 76 100
 78 33.8 26.2 39.4

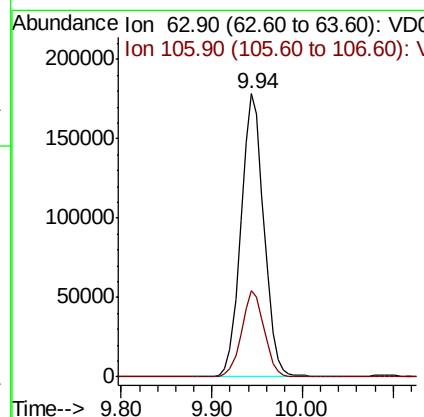
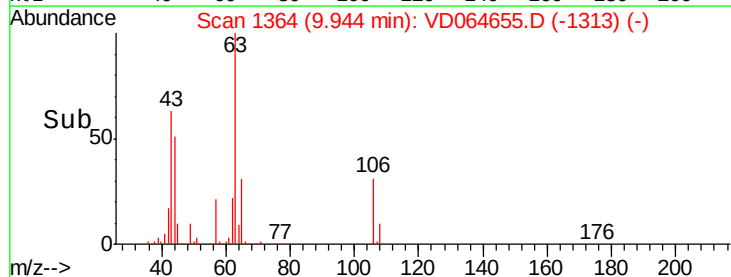
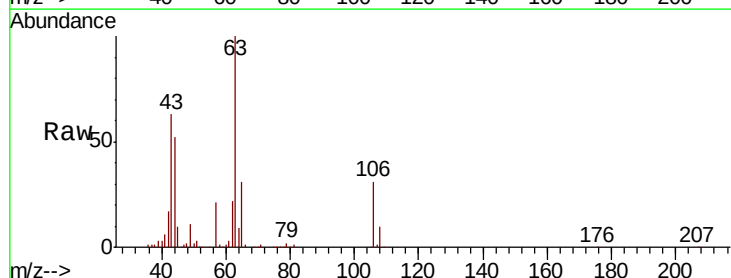
Manual Integrations
 APPROVED

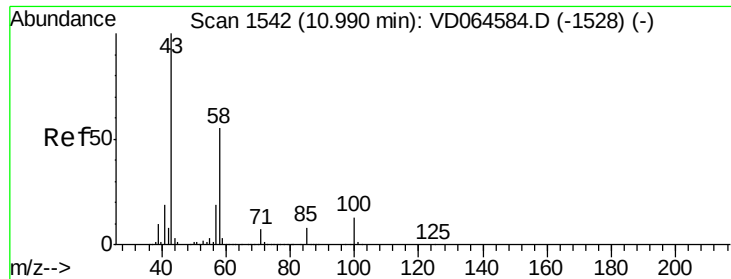
apatel
 12/30/2019 11:03:17 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 234.743 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion: 63 Resp: 315698
 Ion Ratio Lower Upper
 63 100
 106 29.8 23.8 35.8





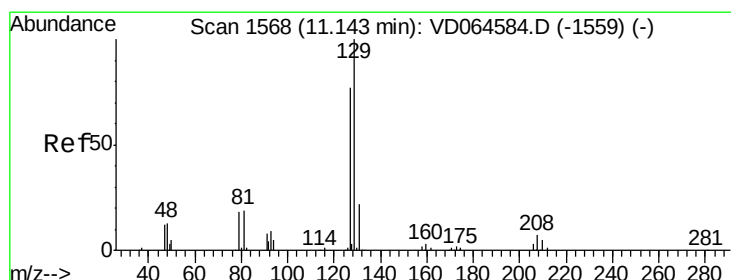
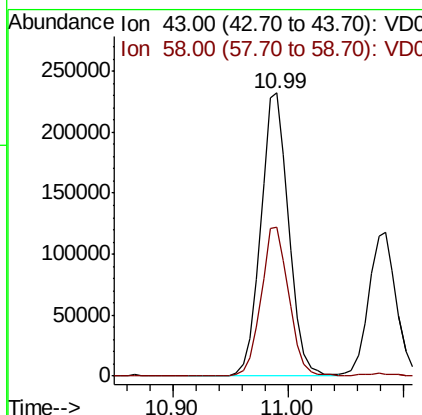
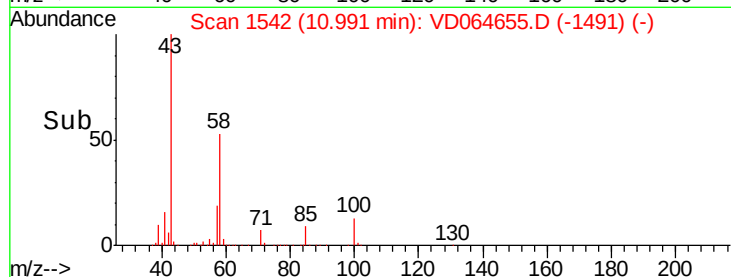
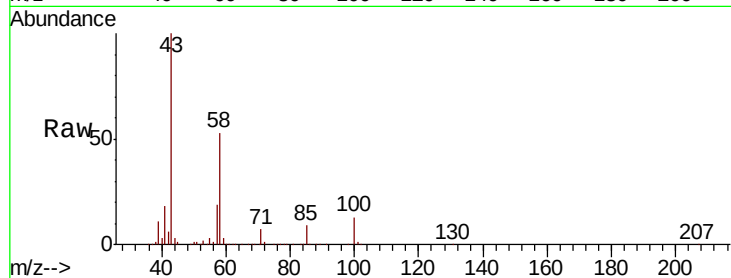
#59
2-Hexanone
Concen: 258.447 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 391278
Ion Ratio Lower Upper
43 100
58 52.4 26.4 79.0

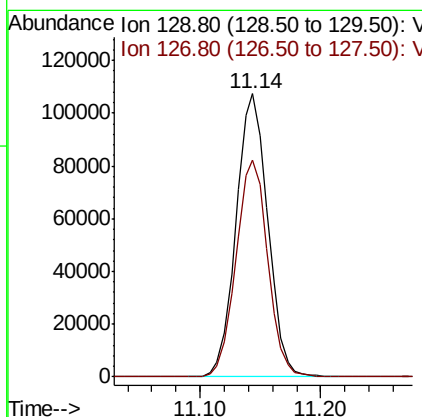
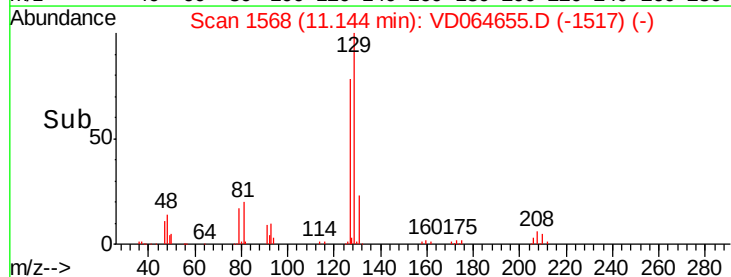
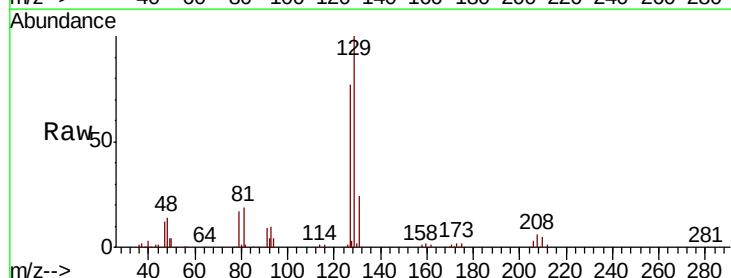
Manual Integrations
APPROVED

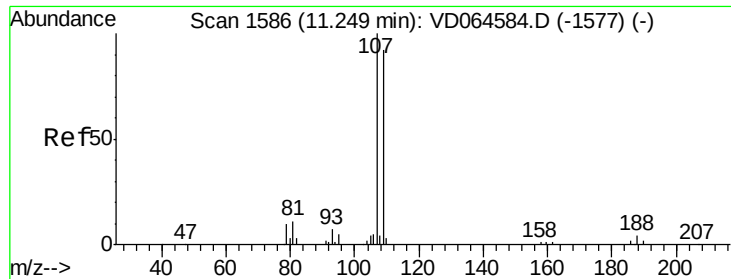
apatel
12/30/2019 11:03:17 AM



#60
Dibromochloromethane
Concen: 50.338 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion: 129 Resp: 196753
Ion Ratio Lower Upper
129 100
127 76.9 38.4 115.2





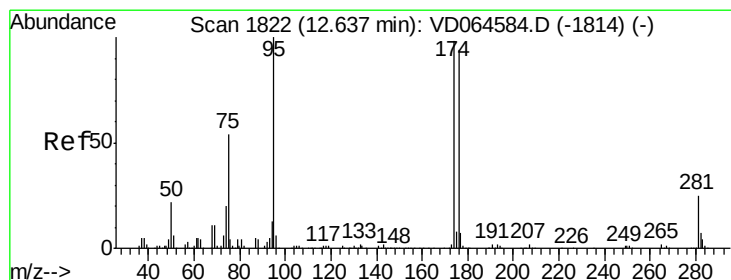
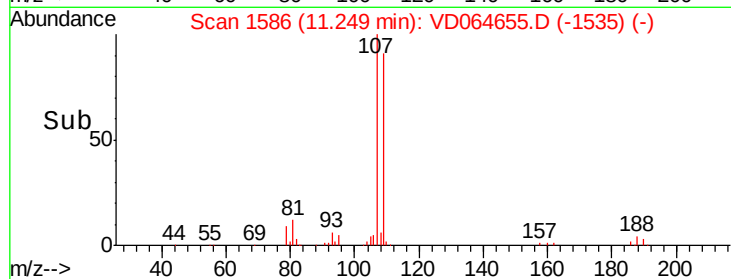
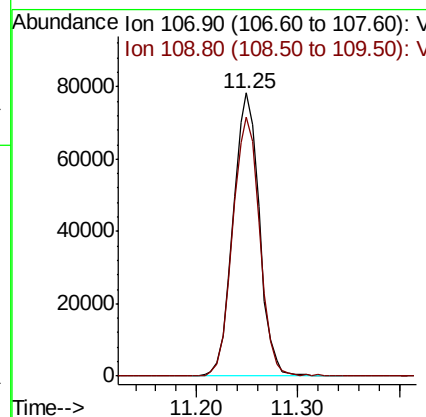
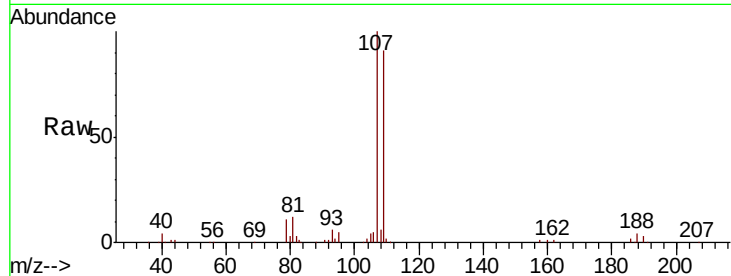
#61
 1,2-Dibromoethane
 Concen: 50.379 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 140446
 Ion Ratio Lower Upper
 107 100
 109 93.6 75.6 113.4

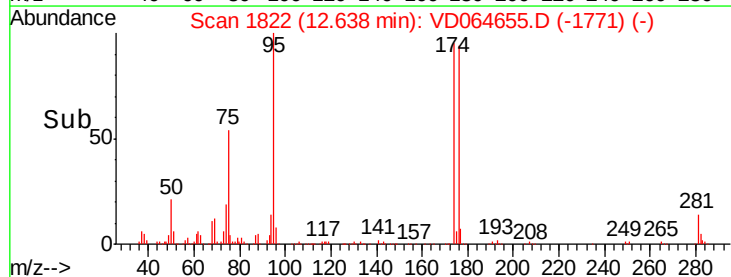
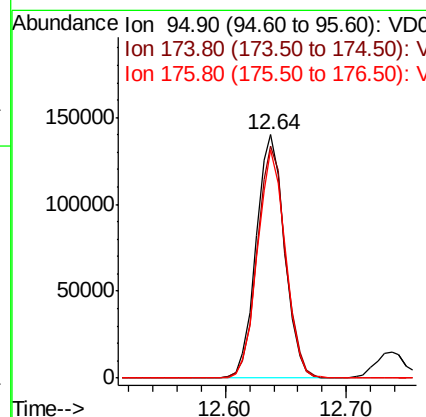
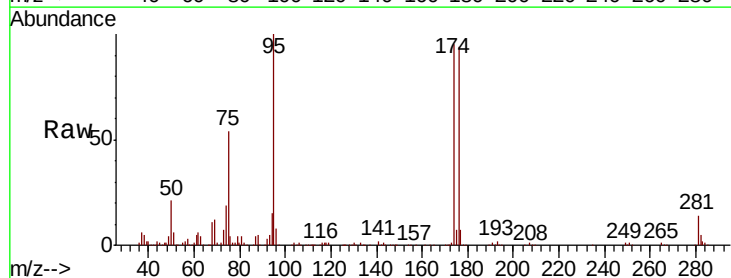
Manual Integrations
 APPROVED

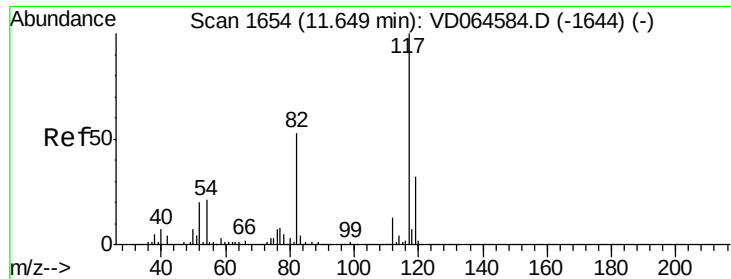
apatel
 12/30/2019 11:03:17 AM



#62
 4-Bromofluorobenzene
 Concen: 51.350 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion: 95 Resp: 228776
 Ion Ratio Lower Upper
 95 100
 174 95.0 0.0 193.2
 176 92.5 0.0 184.2





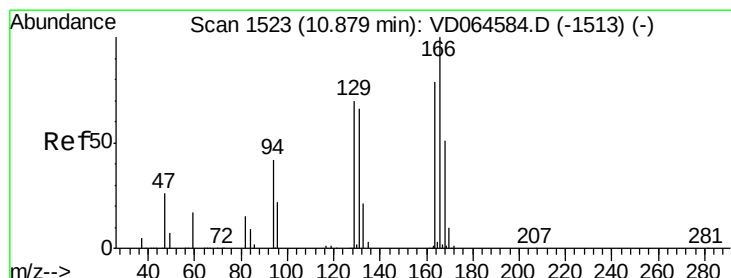
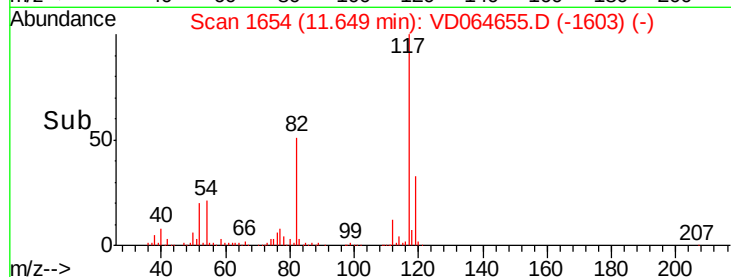
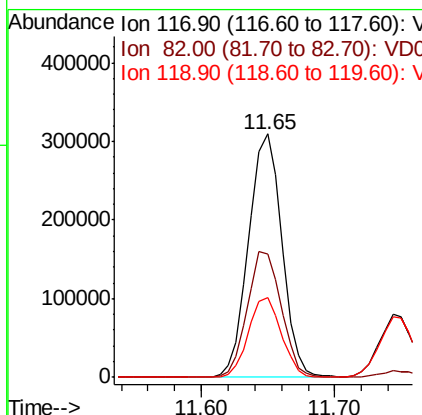
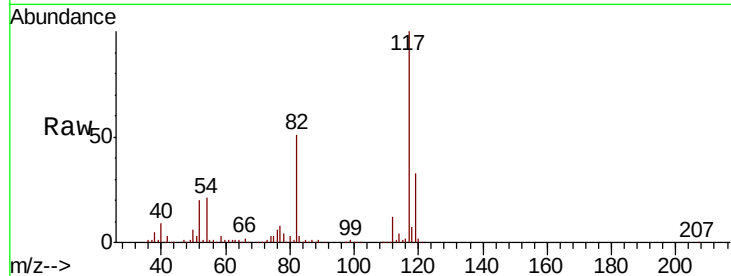
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	42.2	63.4
119	32.9	26.0	39.0

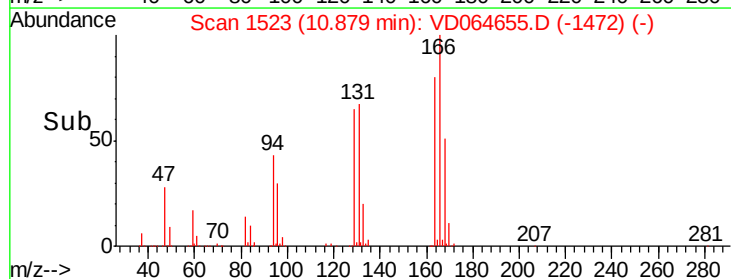
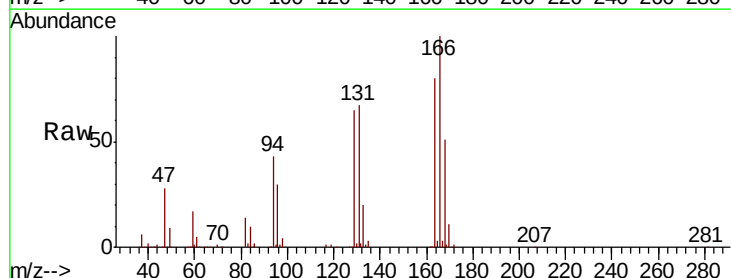
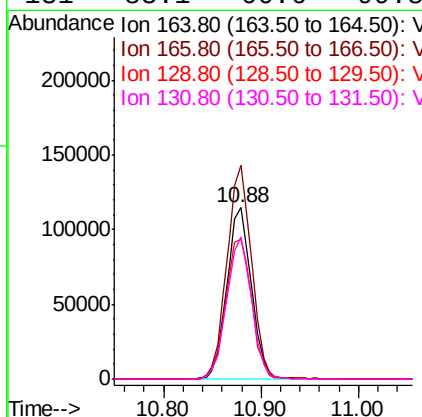
Manual Integrations
APPROVED

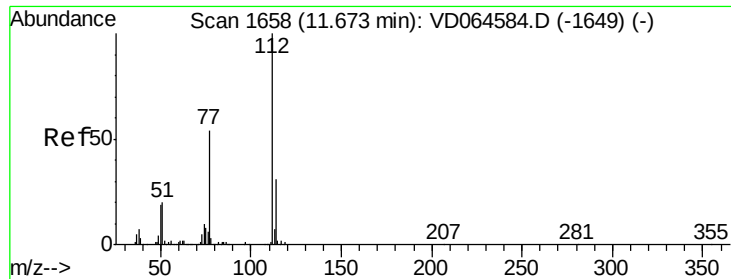
apatel
12/30/2019 11:03:17 AM



#64
Tetrachloroethene
Concen: 48.550 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	101.3	151.9
129	81.7	70.5	105.7
131	83.1	66.6	99.8





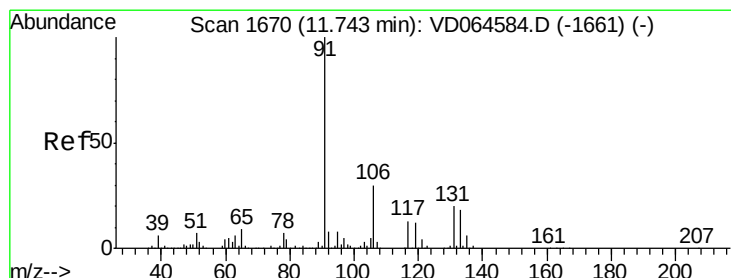
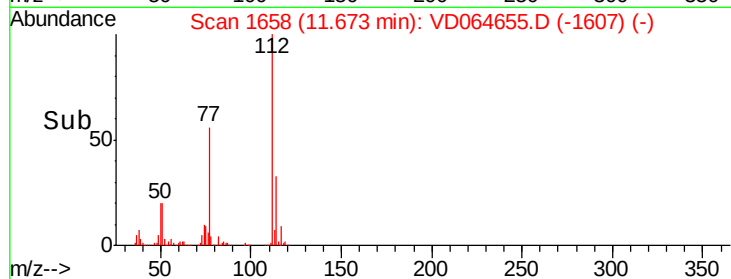
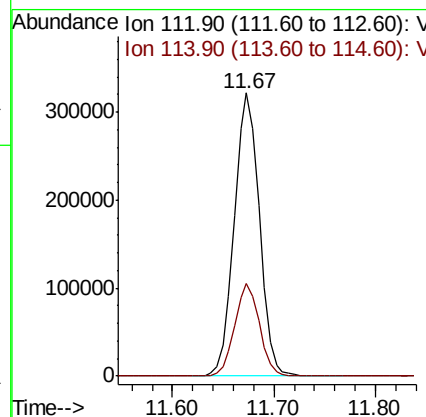
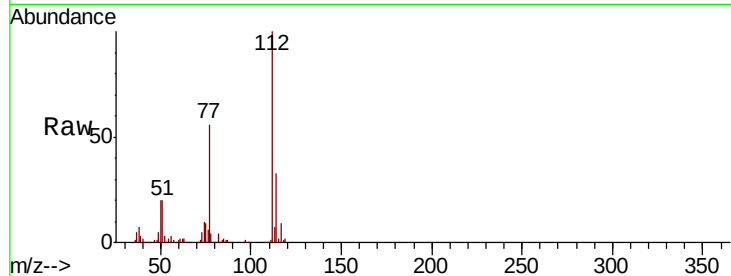
#65
Chlorobenzene
Concen: 49.884 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	24.8	37.2

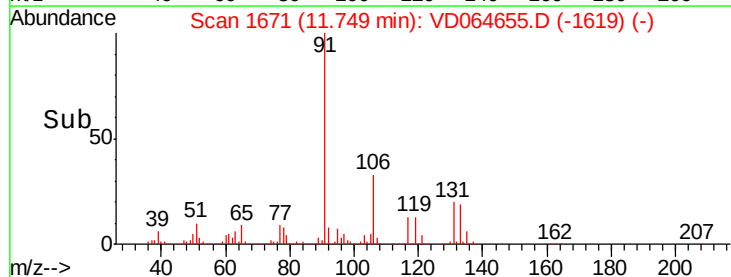
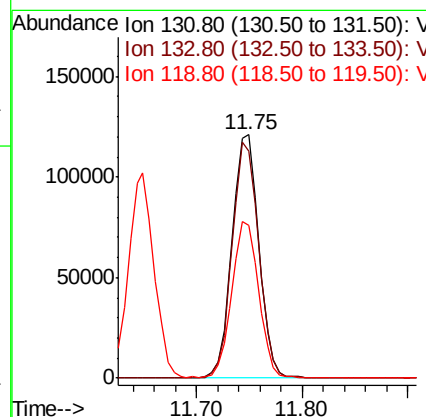
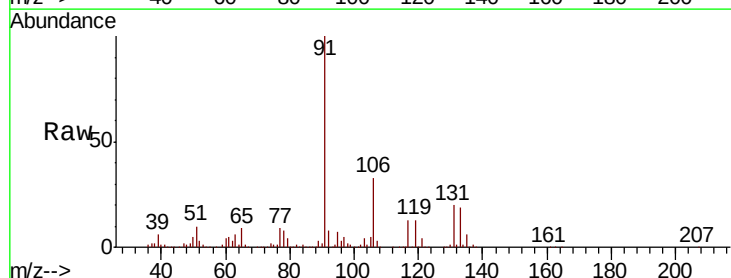
Manual Integrations
APPROVED

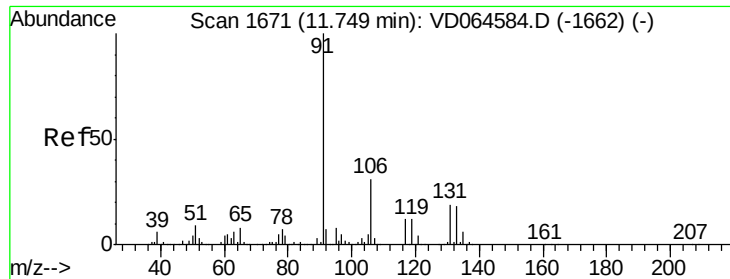
apatel
12/30/2019 11:03:17 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.573 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.3	144.8
119	64.9	32.1	96.3





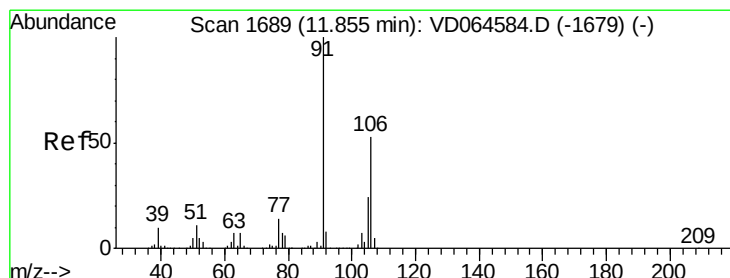
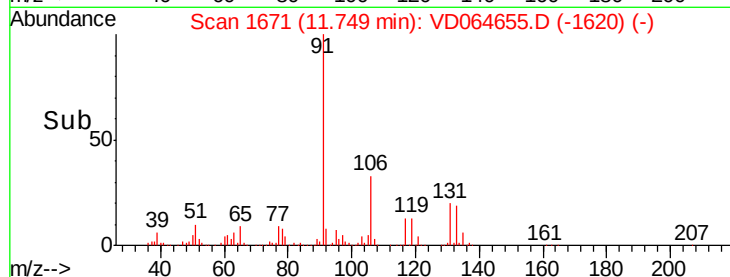
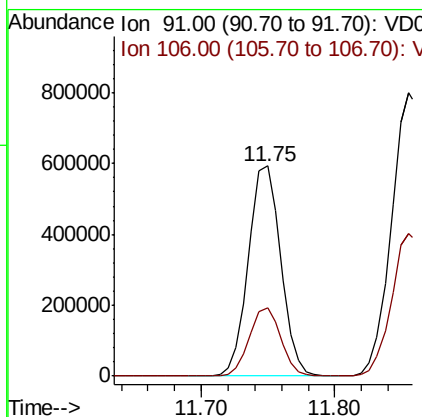
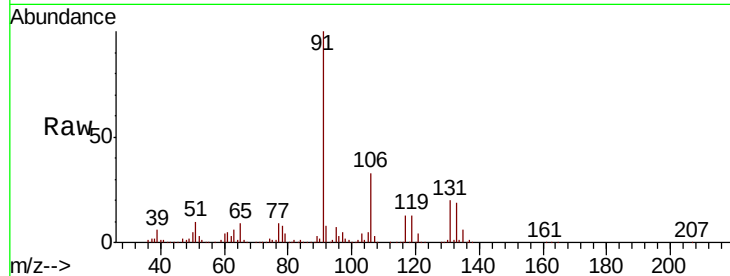
#67
Ethyl Benzene
Concen: 49.288 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 992691
Ion Ratio Lower Upper
91 100
106 32.7 24.6 36.8

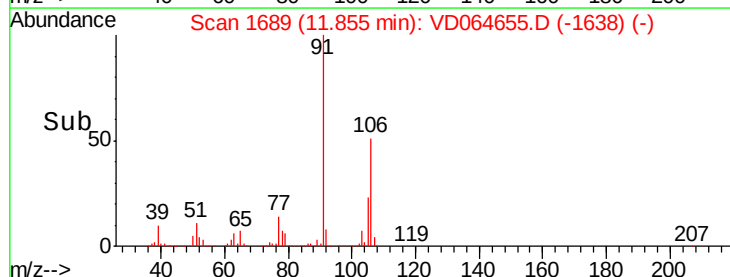
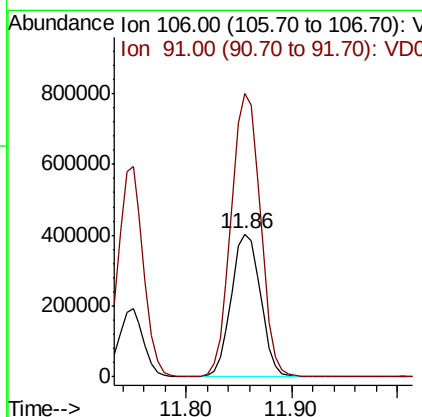
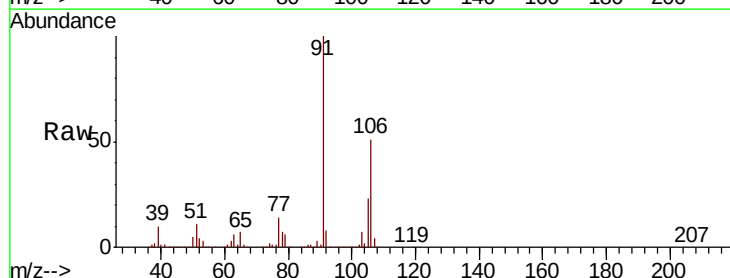
Manual Integrations
APPROVED

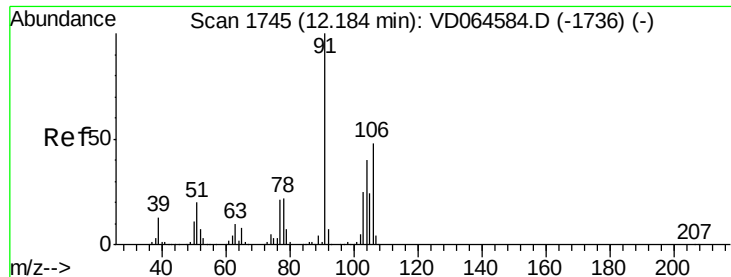
apatel
12/30/2019 11:03:17 AM



#68
m/p-Xylenes
Concen: 99.168 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion: 106 Resp: 770922
Ion Ratio Lower Upper
106 100
91 198.5 156.3 234.5





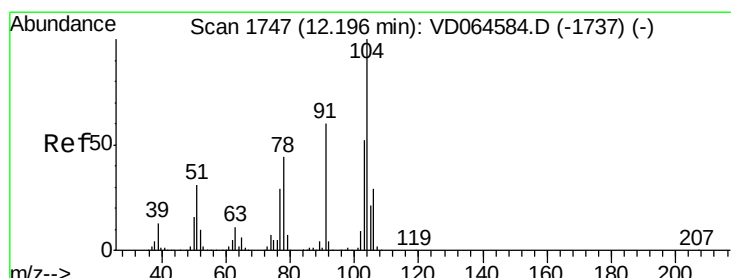
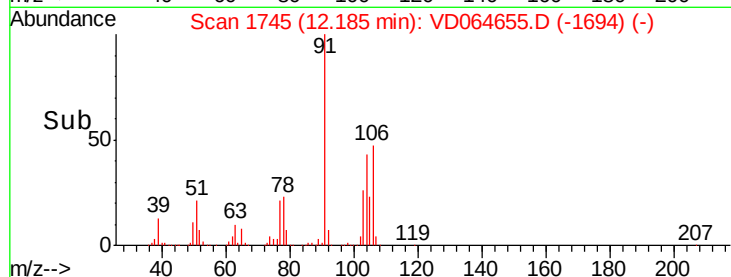
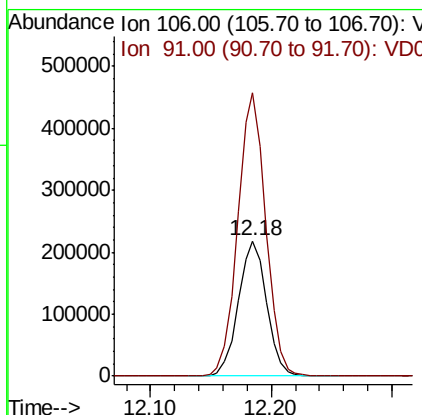
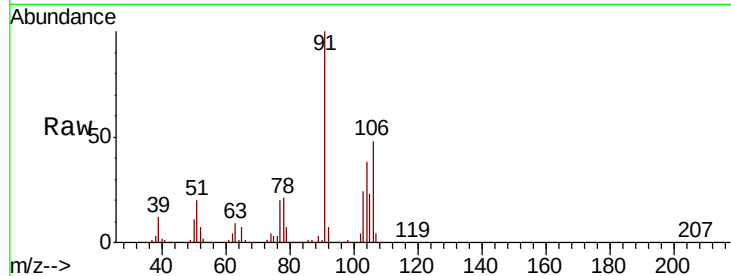
#69
o-Xylene
Concen: 50.695 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.6	104.8	314.4	

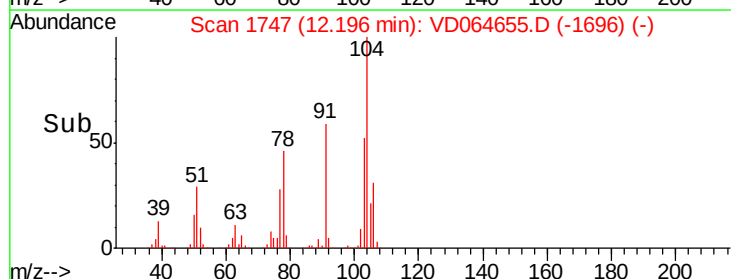
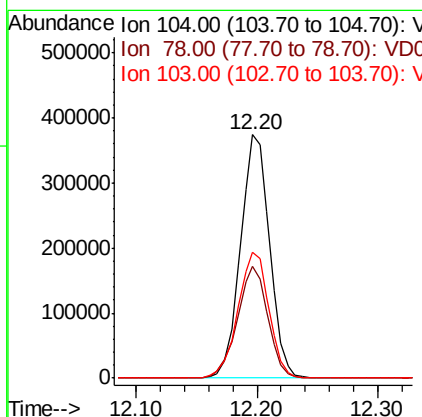
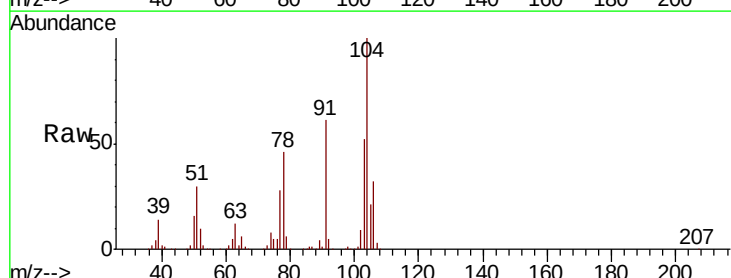
Manual Integrations
APPROVED

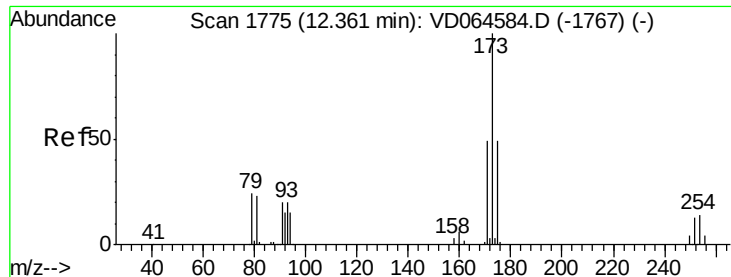
apatel
12/30/2019 11:03:17 AM



#70
Styrene
Concen: 50.999 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.0	38.2	57.2	
103	55.2	44.6	67.0	





#71

Bromoform

Concen: 49.905 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

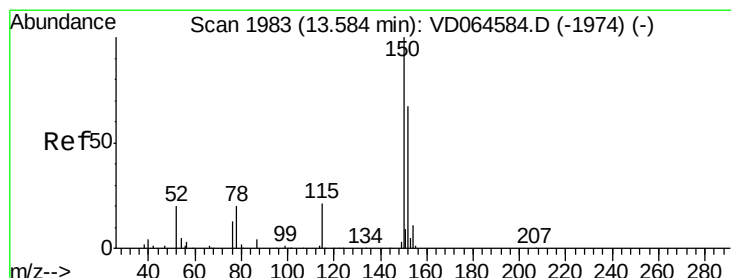
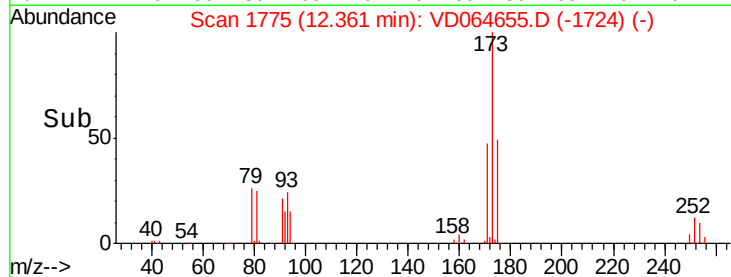
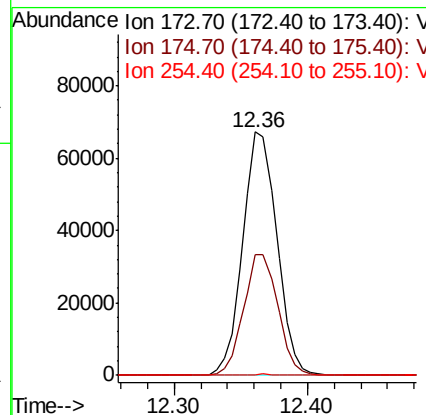
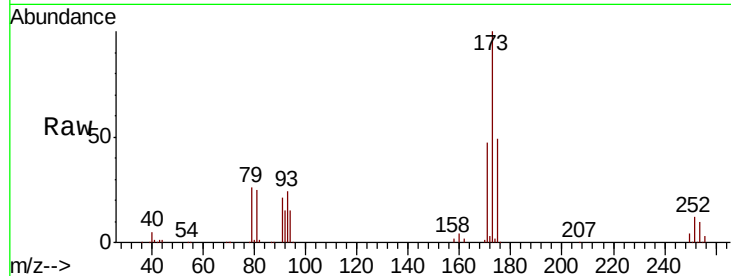
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.6	73.8
254	0.2	0.1	0.1#

Manual Integrations
APPROVED

apatel
12/30/2019 11:03:17 AM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

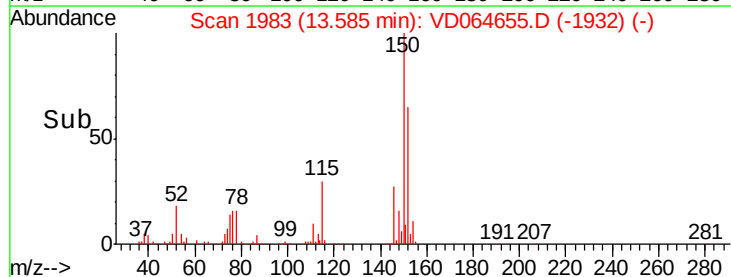
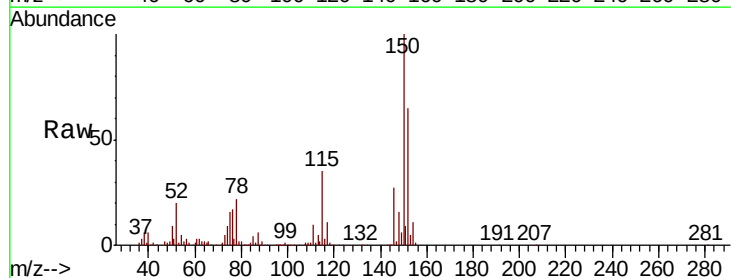
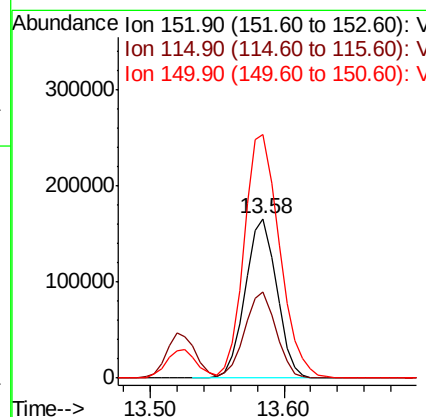
RT: 13.58 min Scan# 1983

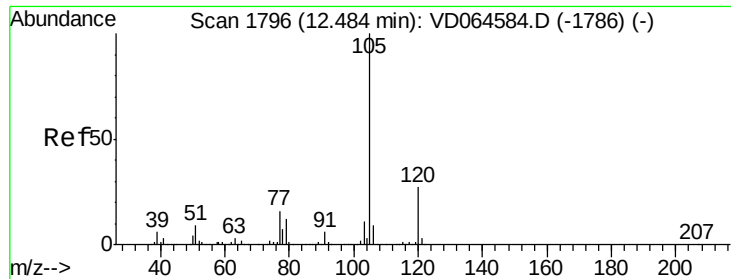
Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.8	83.4
150	172.0	0.0	351.4





#73

Isopropylbenzene

Concen: 49.562 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 953315

Ion Ratio Lower Upper

105 100

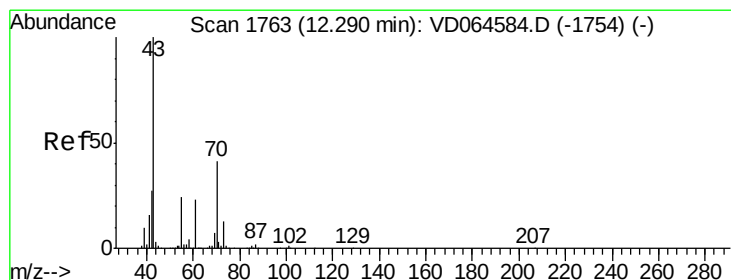
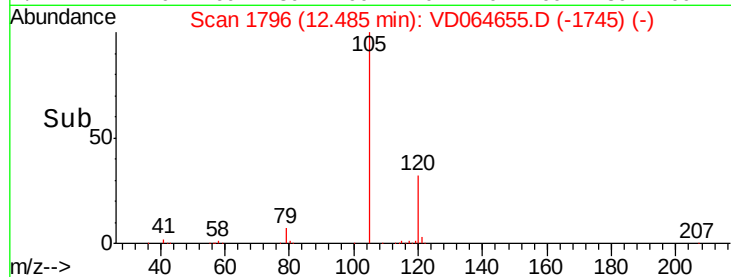
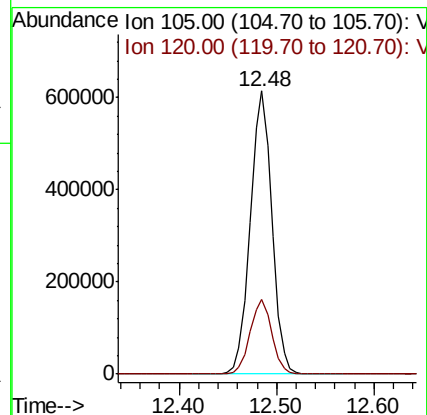
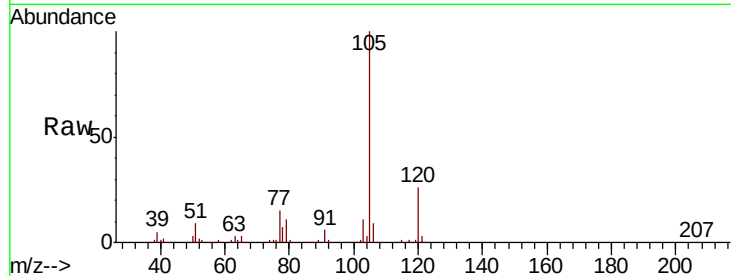
120 26.4 13.5 40.5

Manual Integrations

APPROVED

apatel

12/30/2019 11:03:17 AM



#74

N-ethyl acetate

Concen: 51.634 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Tgt Ion: 43 Resp: 212305

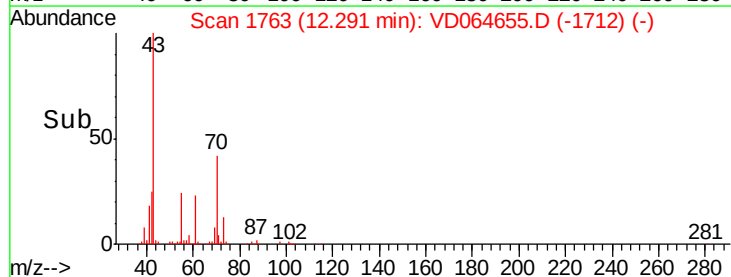
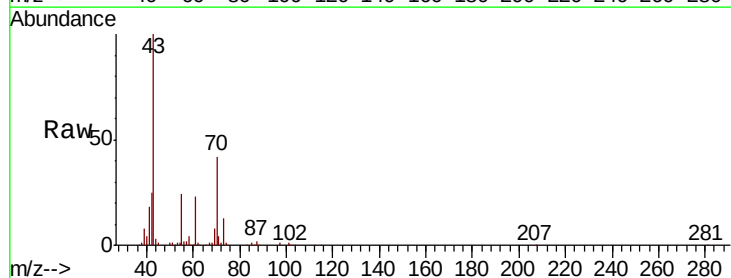
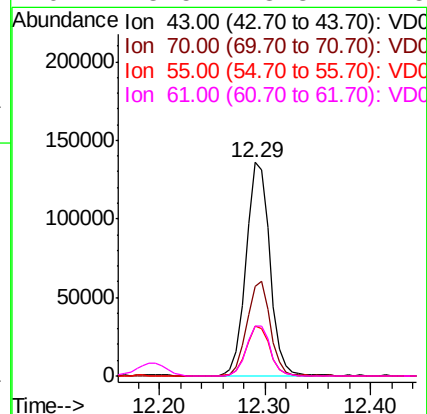
Ion Ratio Lower Upper

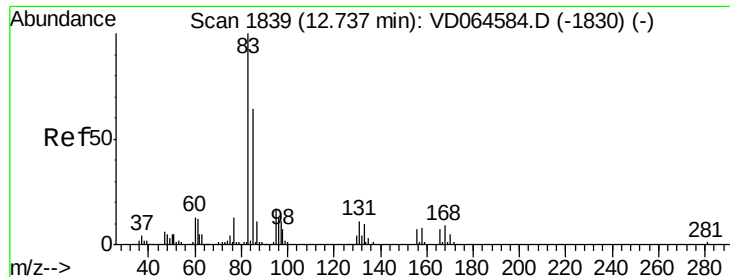
43 100

70 43.3 33.4 50.0

55 23.4 19.4 29.0

61 23.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 49.578 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

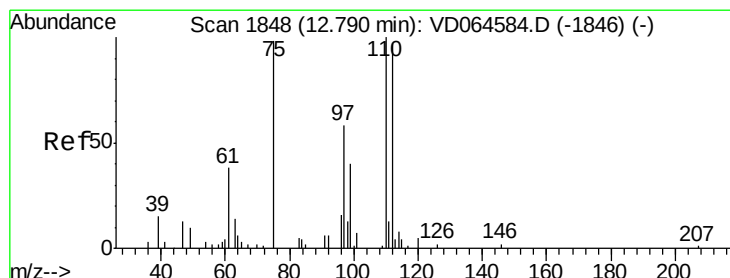
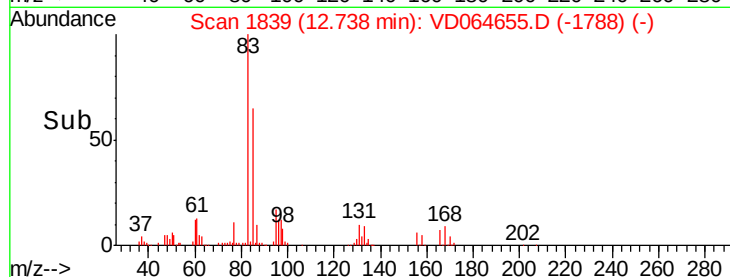
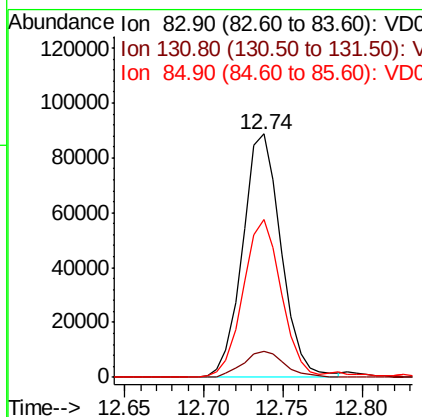
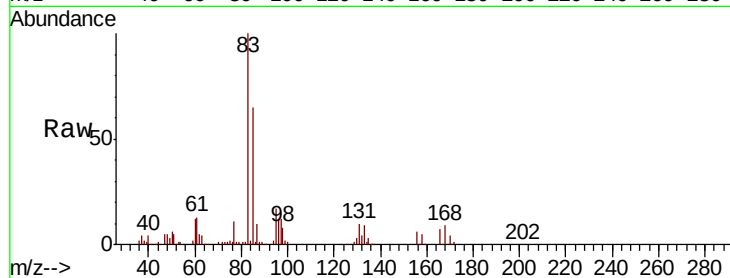
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	149806
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.8	17.4
85	64.1	32.3	96.9

Manual Integrations
APPROVED

apatel
12/30/2019 11:03:17 AM



#76

1,2,3-Trichloropropane

Concen: 53.247 ug/l m

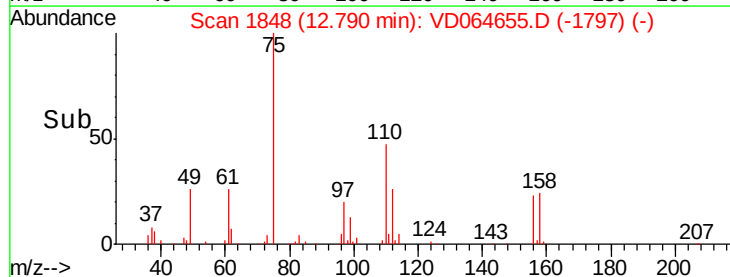
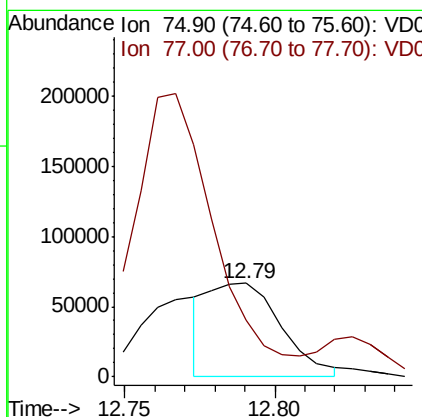
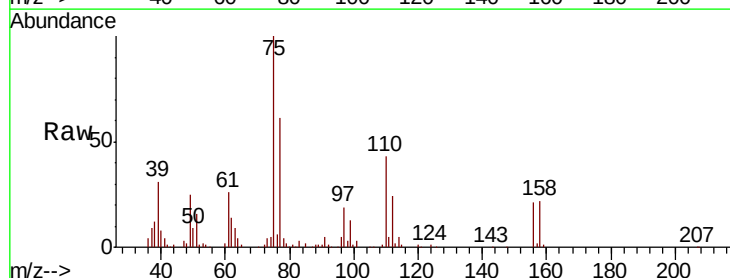
RT: 12.79 min Scan# 1848

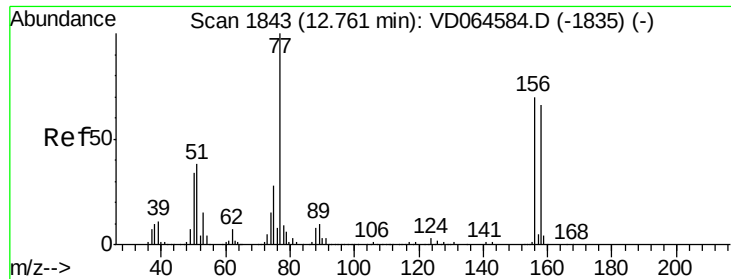
Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Tgt Ion:	75	Resp:	113175
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.226 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

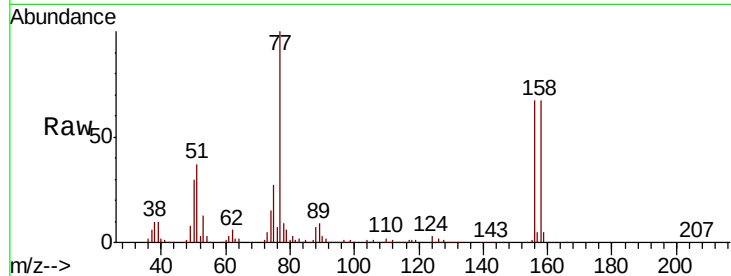
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	232659
Ion Ratio	Lower	Upper	
156	100		
77	164.5	80.9	242.7
158	96.6	48.0	144.2

Manual Integrations
APPROVED

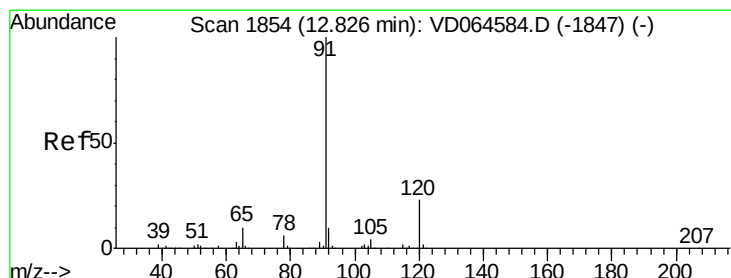
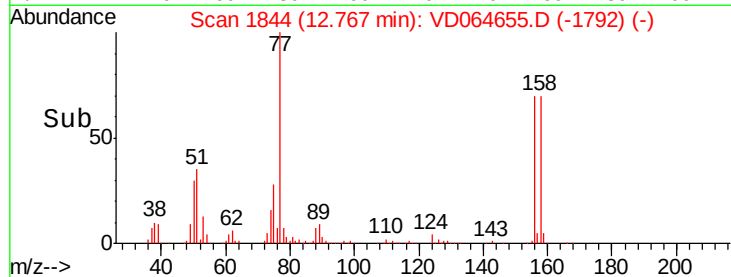
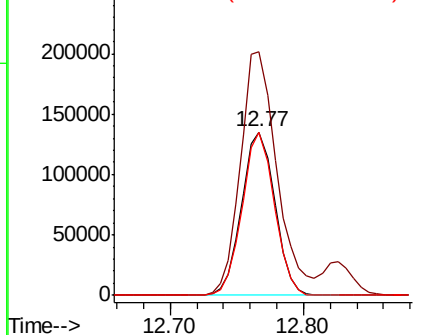
apatel
12/30/2019 11:03:17 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.225 ug/l

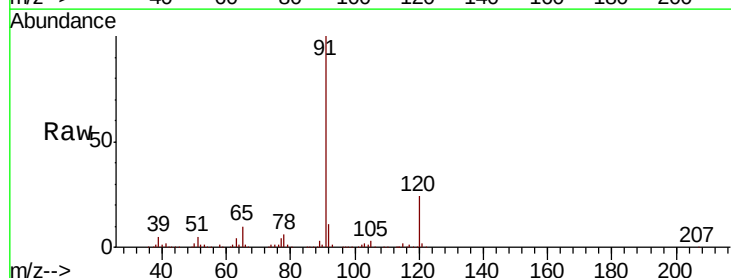
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064655.D

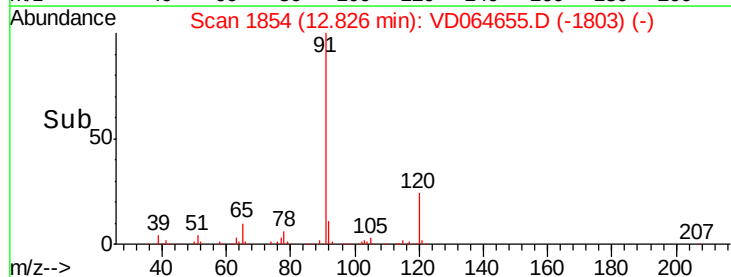
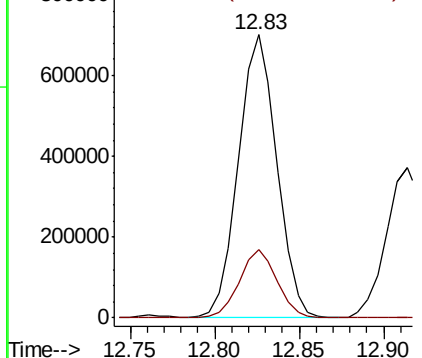
Acq: 27 Dec 2019 20:36

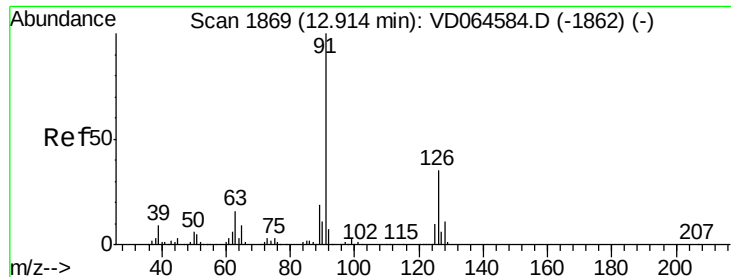
Tgt Ion:	91	Resp:	1104617
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.407 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 609055

Ion Ratio Lower Upper

91 100

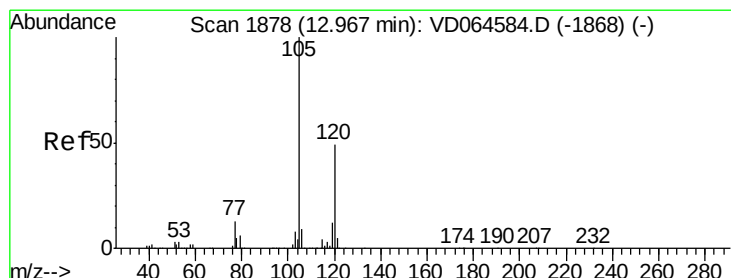
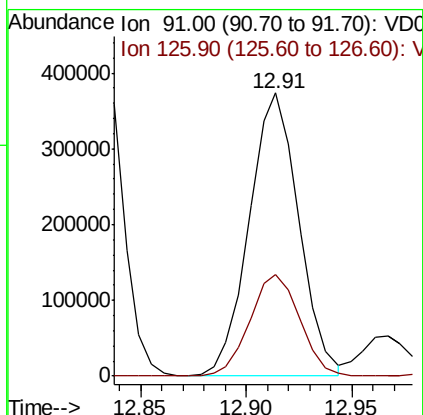
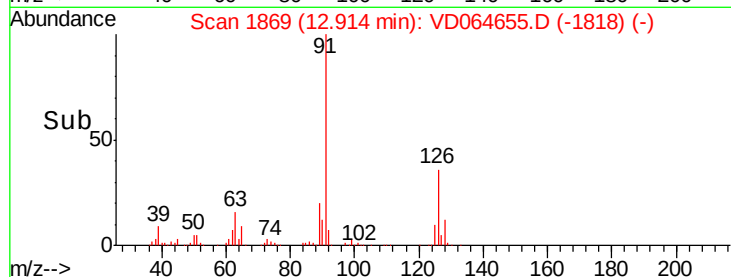
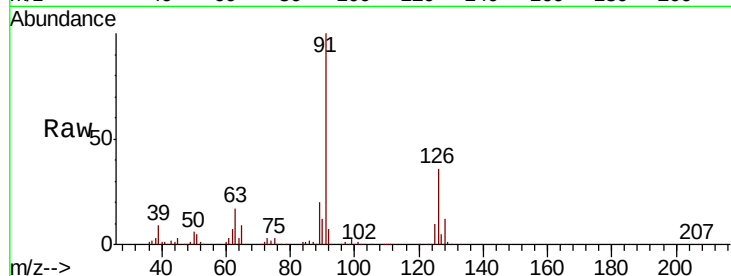
126 36.3 17.8 53.5

Manual Integrations

APPROVED

apatel

12/30/2019 11:03:17 AM



#80

1,3,5-Trimethylbenzene

Concen: 49.331 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064655.D

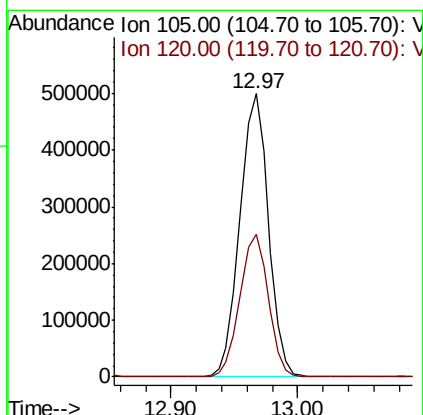
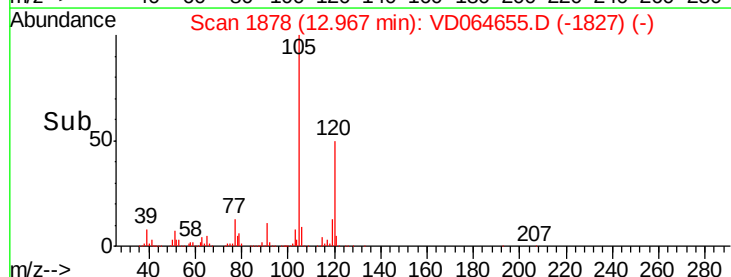
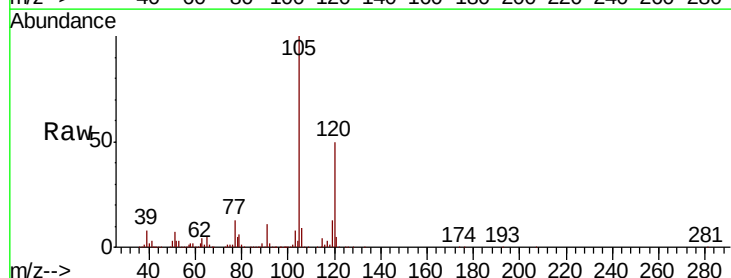
Acq: 27 Dec 2019 20:36

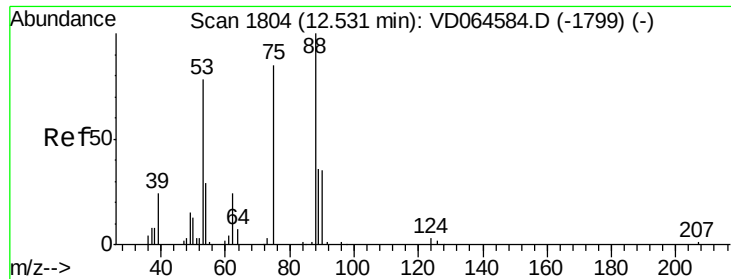
Tgt Ion: 105 Resp: 779455

Ion Ratio Lower Upper

105 100

120 50.6 25.0 75.0





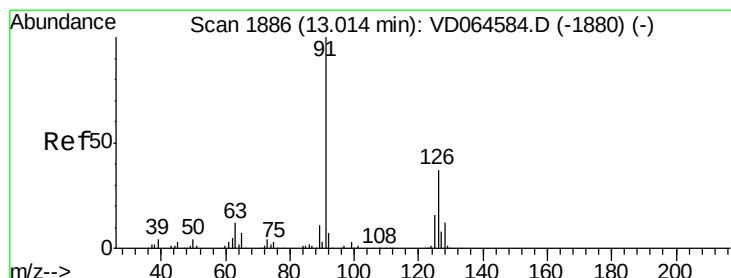
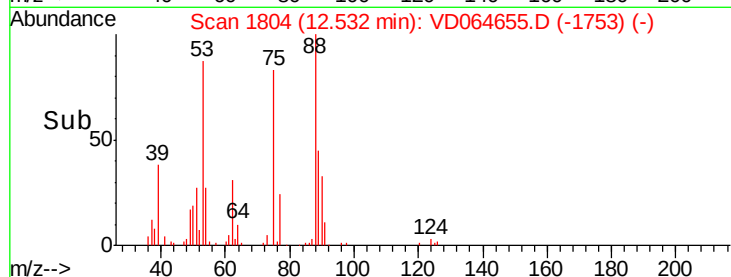
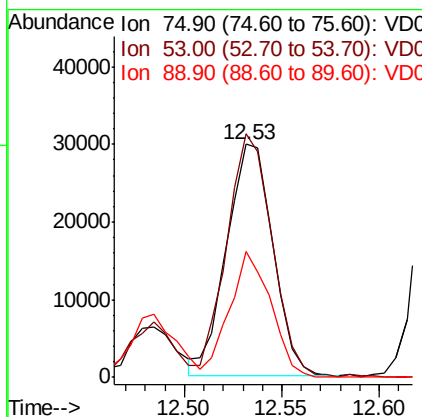
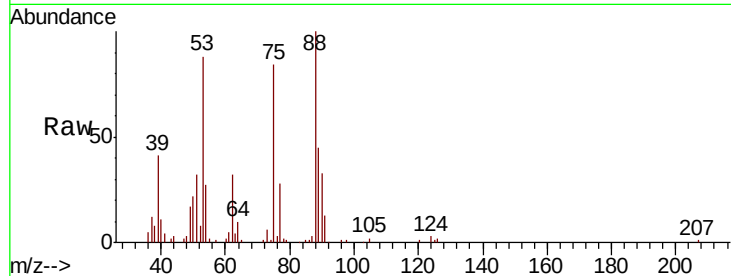
#81
trans-1,4-Dichloro-2-butene
Concen: 48.559 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.2	78.8	118.2
89	48.4	38.3	57.5

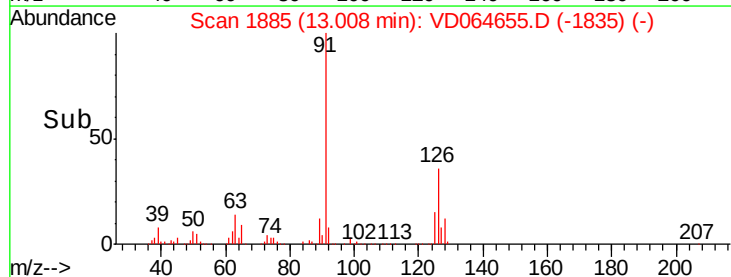
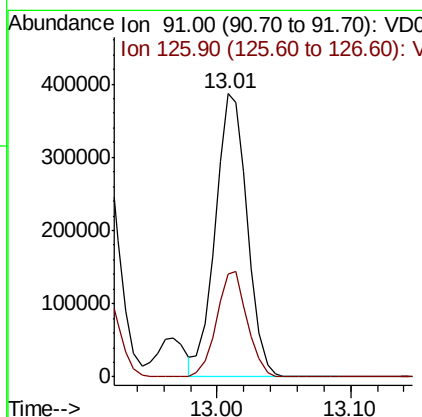
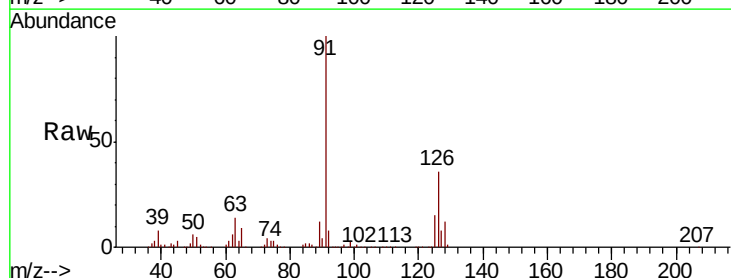
Manual Integrations
APPROVED

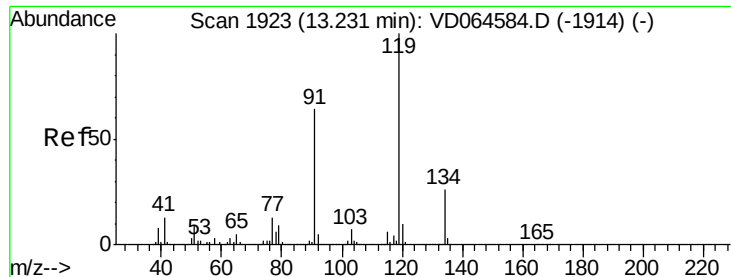
apatel
12/30/2019 11:03:17 AM



#82
4-Chlorotoluene
Concen: 49.367 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.5





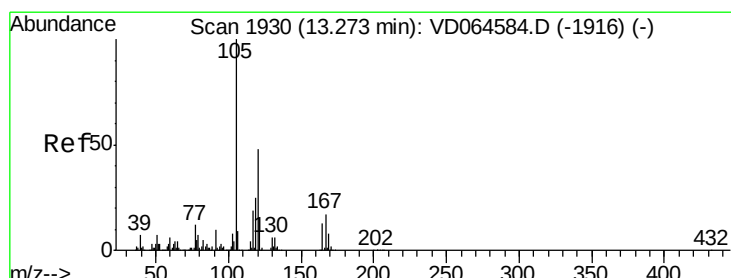
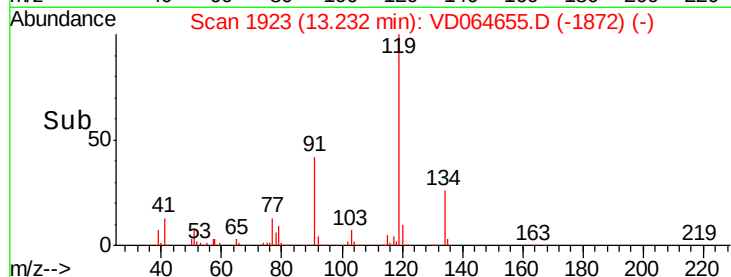
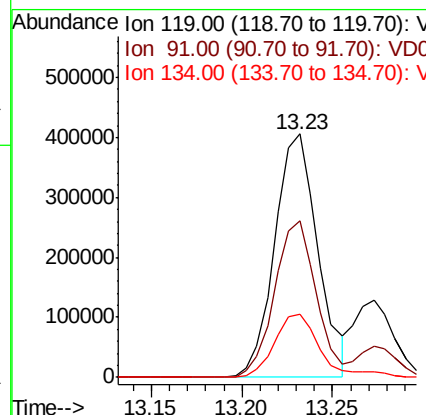
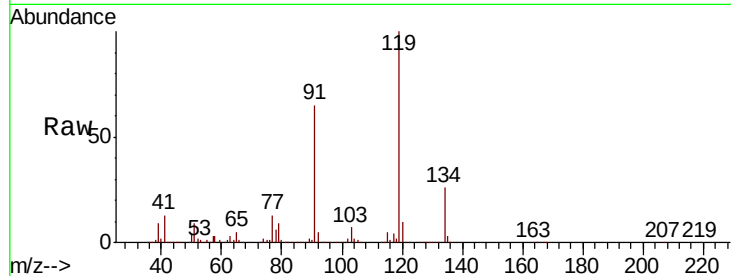
#83
tert-Butylbenzene
Concen: 49.243 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.9	30.8	92.4
134	27.6	12.8	38.3

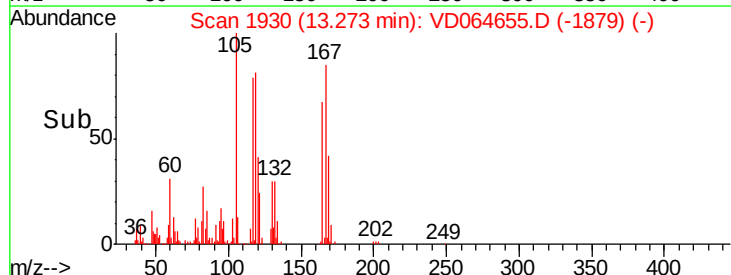
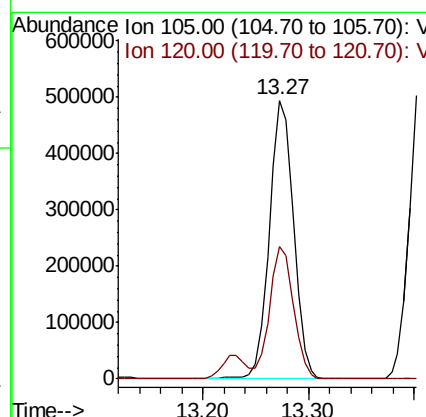
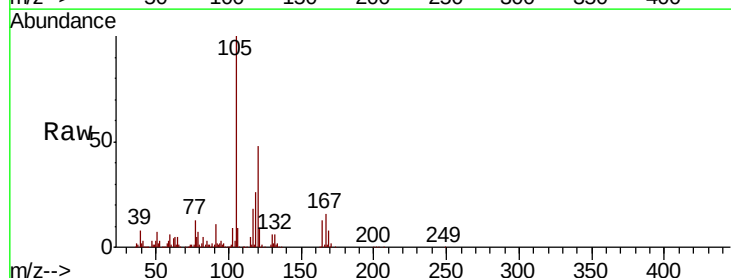
Manual Integrations
APPROVED

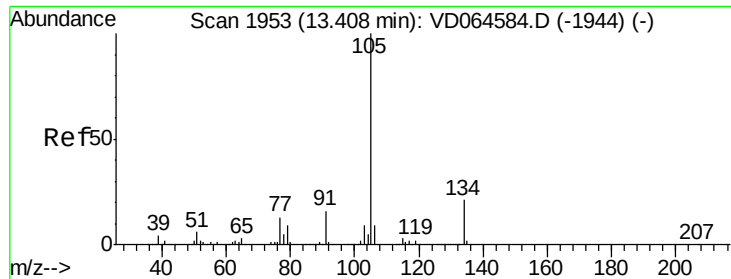
apatel
12/30/2019 11:03:17 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.949 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.8	71.2





#85

sec-Butylbenzene

Concen: 49.041 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 922361

Ion Ratio Lower Upper

105 100

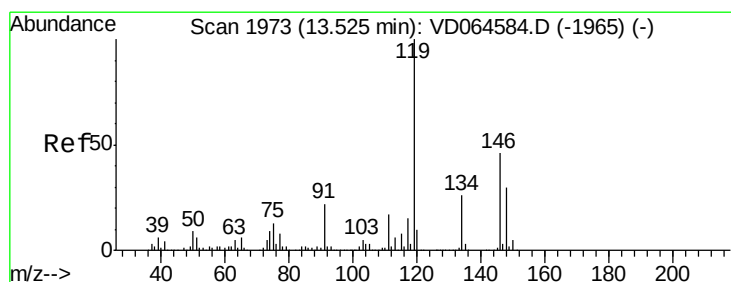
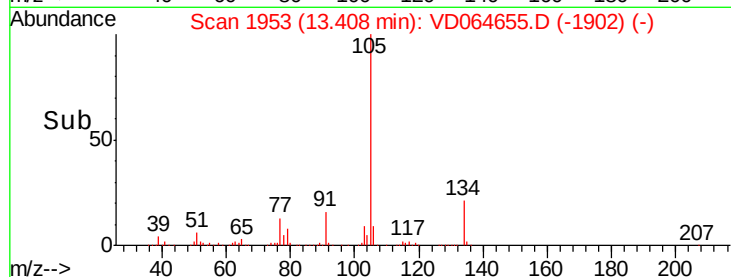
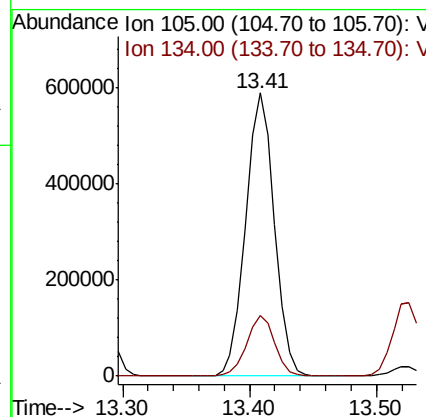
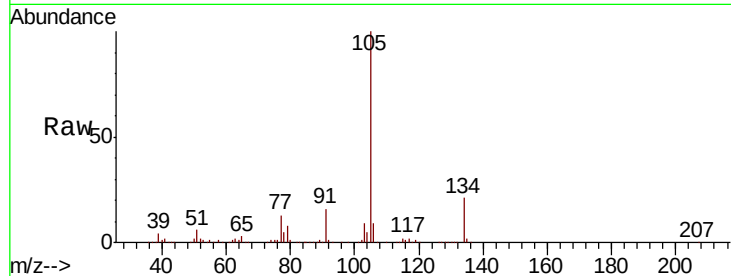
134 20.9 10.6 31.8

Manual Integrations

APPROVED

apatel

12/30/2019 11:03:17 AM



#86

p-Isopropyltoluene

Concen: 49.383 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

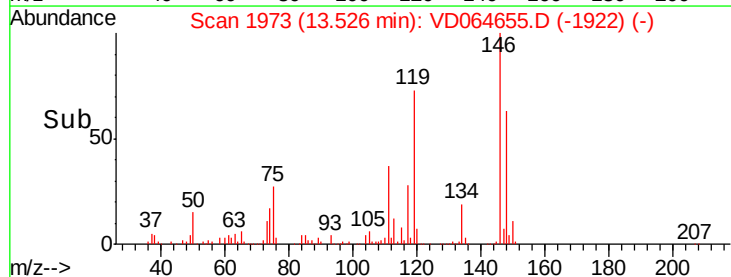
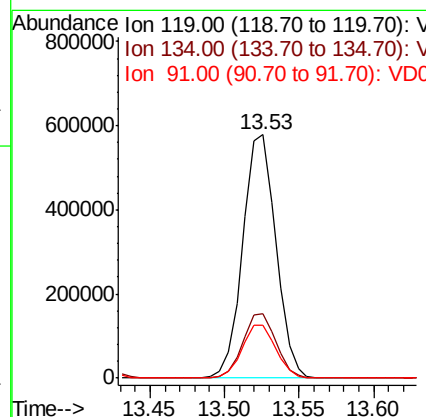
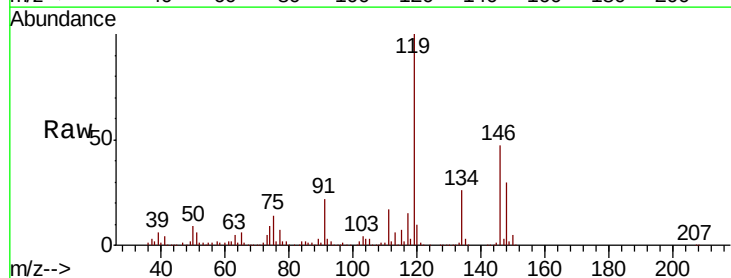
Tgt Ion:119 Resp: 888091

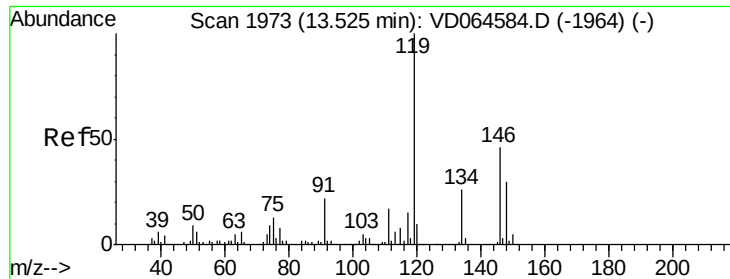
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.1

91 22.2 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 50.032 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

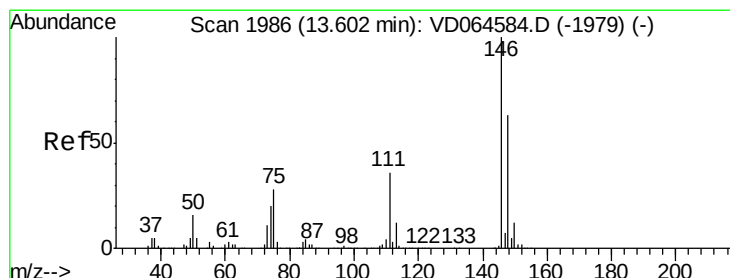
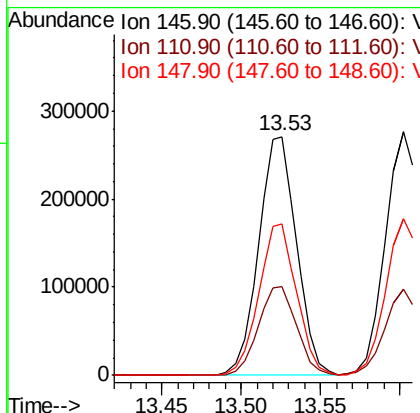
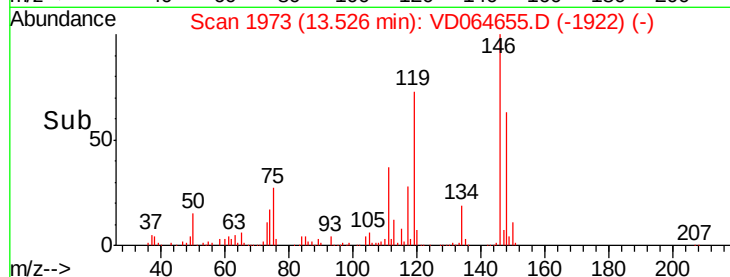
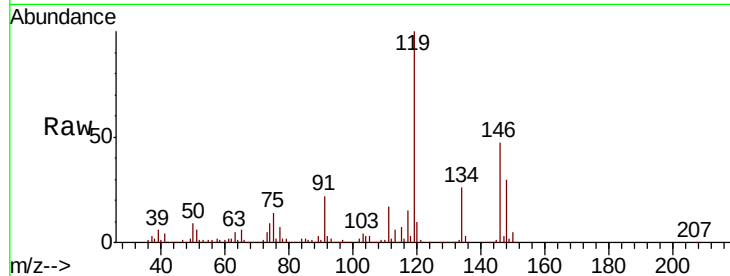
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	450788
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.8	56.4
148	63.0	32.5	97.5

Manual Integrations
APPROVED

apatel
12/30/2019 11:03:17 AM



#88

1,4-Dichlorobenzene

Concen: 49.910 ug/l

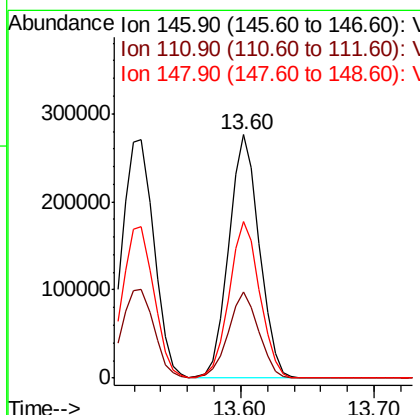
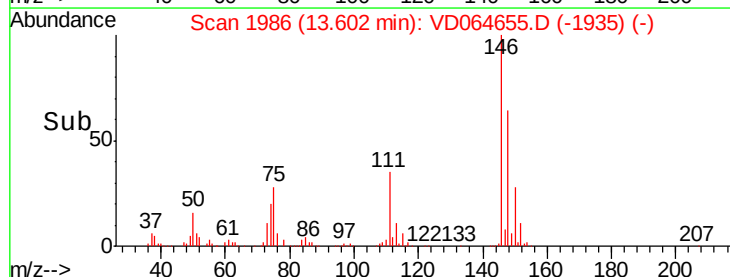
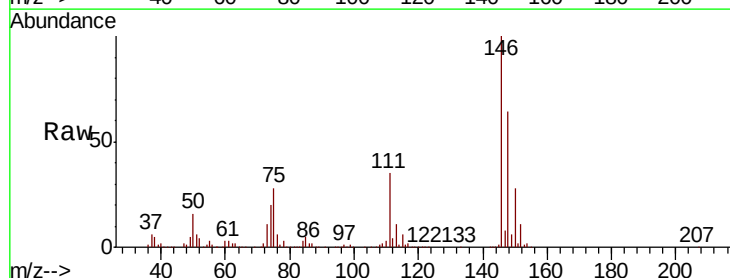
RT: 13.60 min Scan# 1986

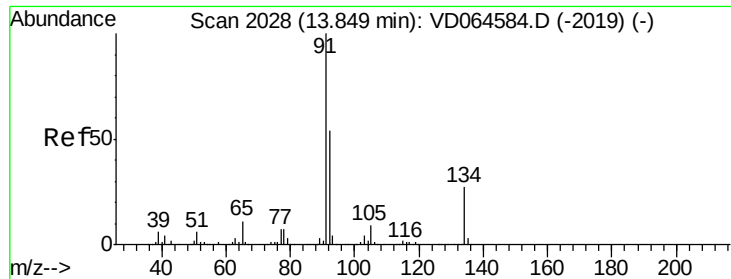
Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Tgt Ion:	146	Resp:	441762
Ion Ratio	Lower	Upper	
146	100		
111	35.2	18.1	54.1
148	64.3	32.3	96.9





#89

n-Butylbenzene

Concen: 49.463 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064655.D

Acq: 27 Dec 2019 20:36

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 801057
Ion Ratio Lower Upper

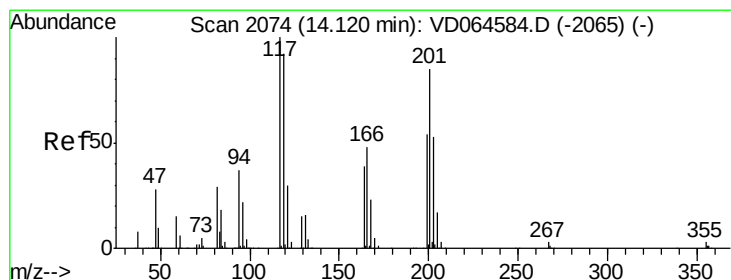
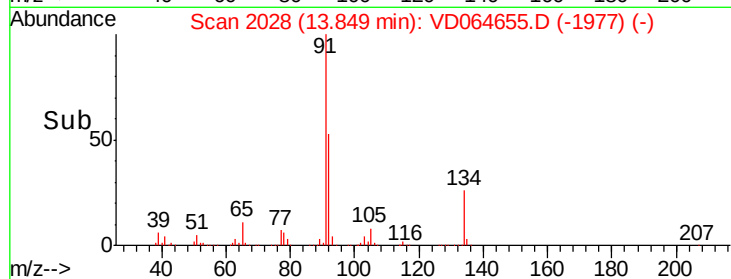
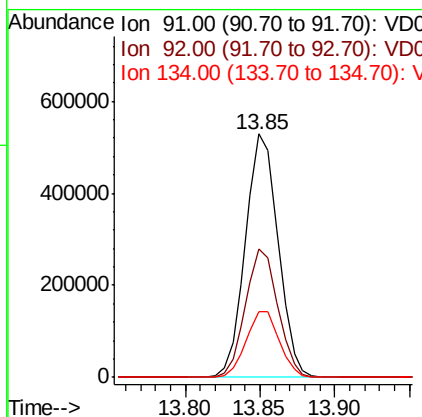
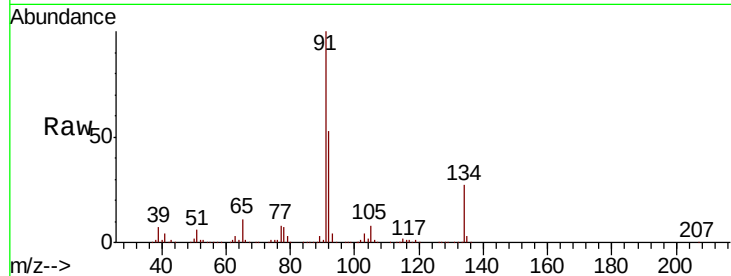
91 100

92 52.5 26.8 80.4

134 27.4 14.0 41.9

Manual Integrations
APPROVED

apatel
12/30/2019 11:03:17 AM



#90

Hexachloroethane

Concen: 48.604 ug/l

RT: 14.12 min Scan# 2074

Delta R.T. 0.00 min

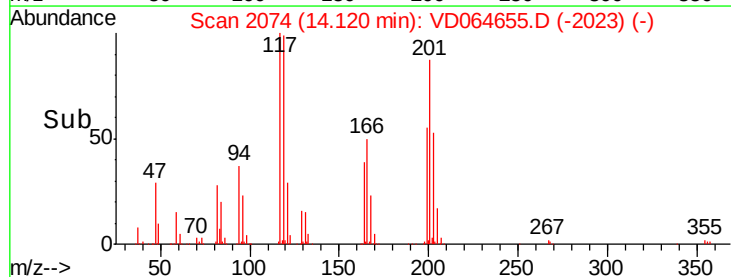
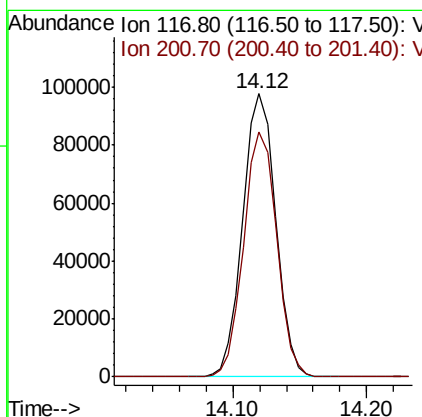
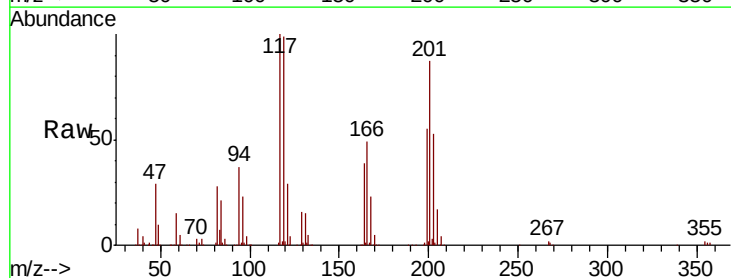
Lab File: VD064655.D

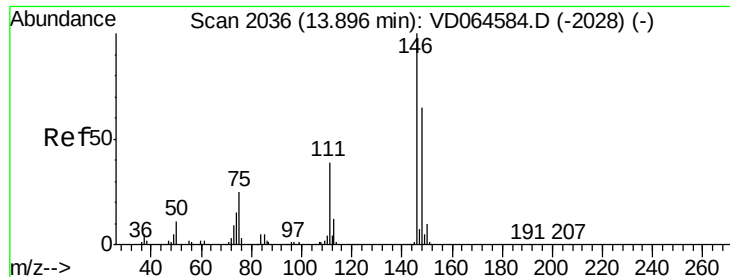
Acq: 27 Dec 2019 20:36

Tgt Ion: 117 Resp: 166969
Ion Ratio Lower Upper

117 100

201 86.7 44.0 131.8





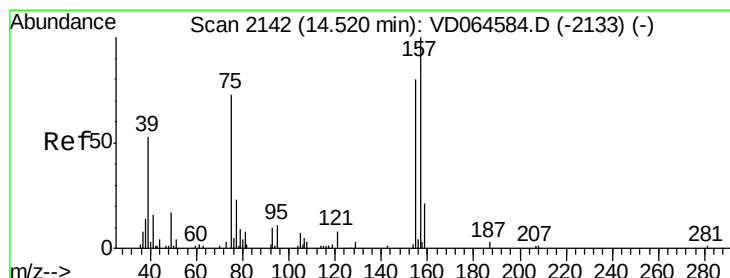
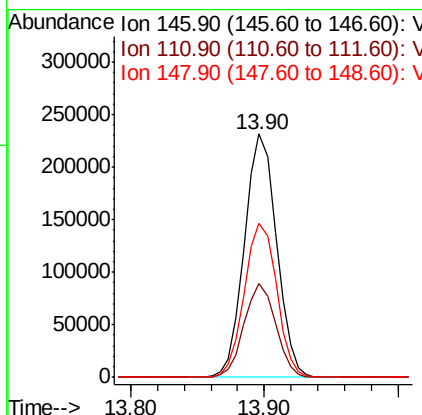
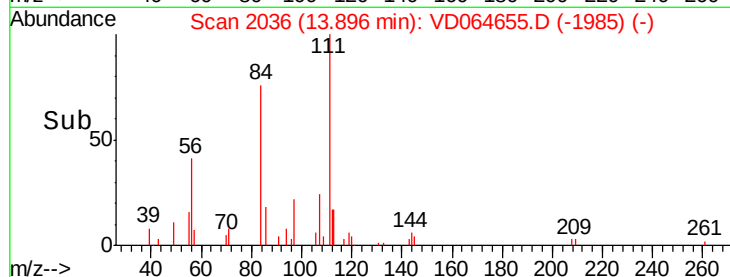
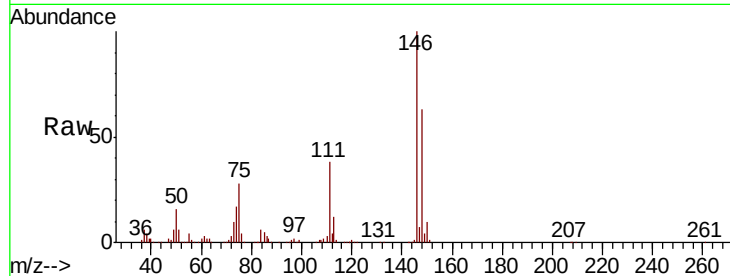
#91
 1,2-Dichlorobenzene
 Concen: 49.968 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	64.0	31.9	95.5

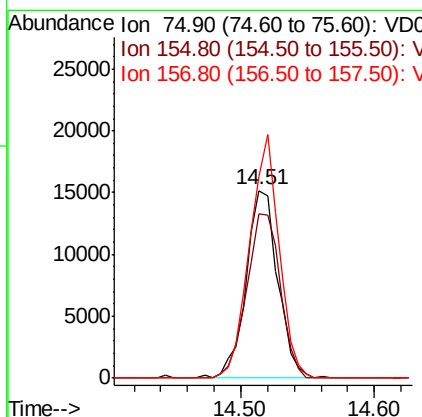
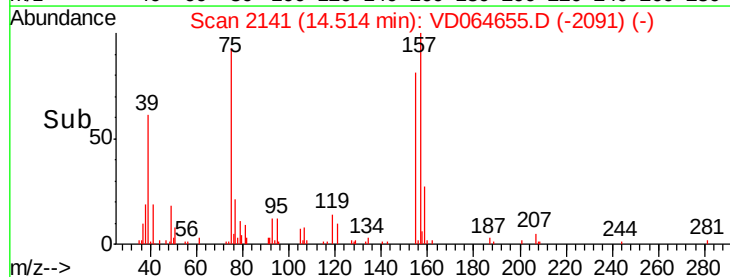
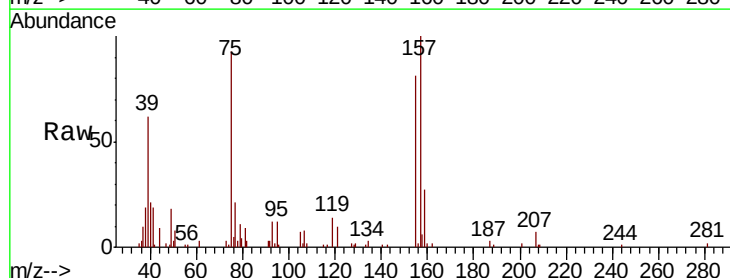
Manual Integrations
 APPROVED

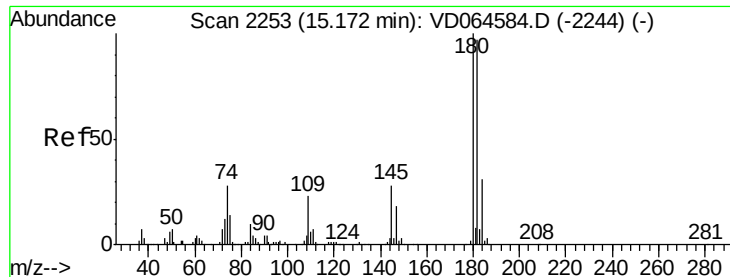
apatel
 12/30/2019 11:03:17 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.349 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.0	48.0	144.0
157	120.5	64.1	192.3





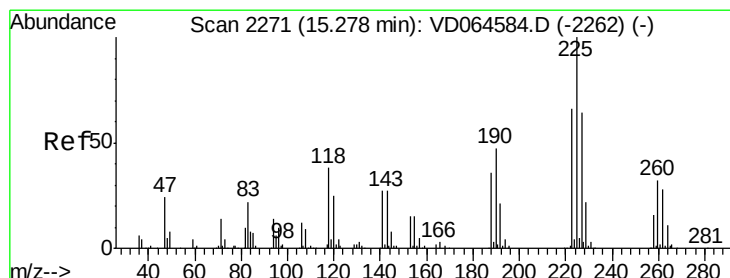
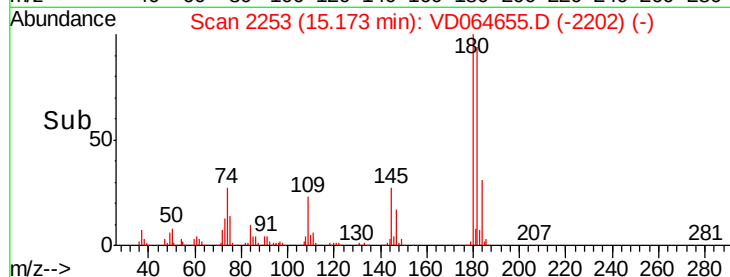
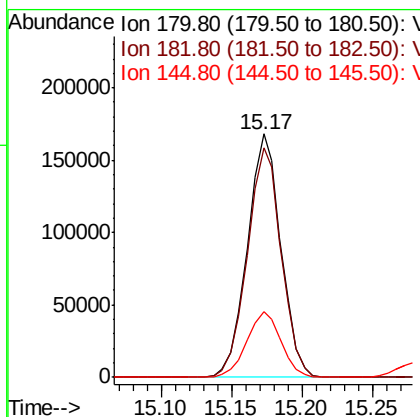
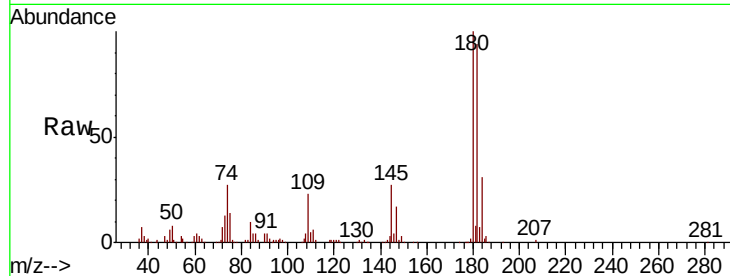
#93
 1,2,4-Trichlorobenzene
 Concen: 49.377 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	279324		
182	95.5	48.0	144.2	
145	27.4	13.8	41.4	

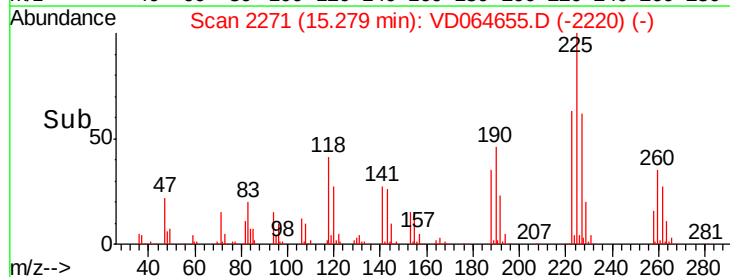
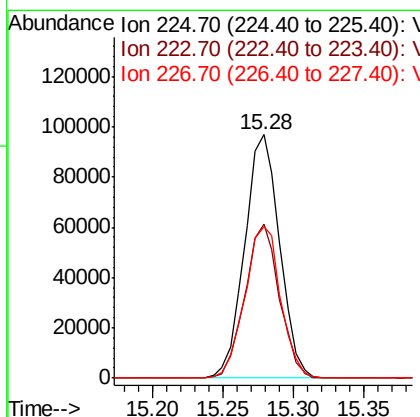
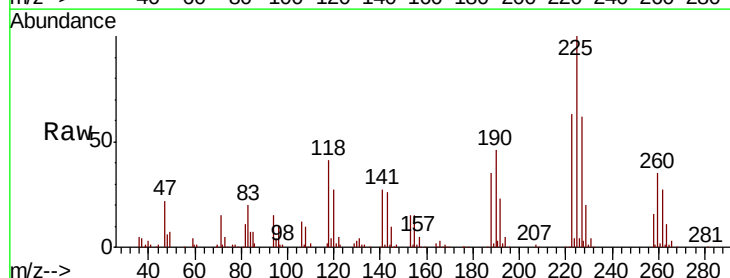
Manual Integrations
 APPROVED

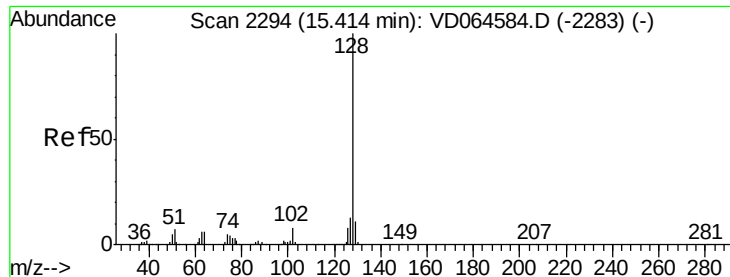
apatel
 12/30/2019 11:03:17 AM



#94
 Hexachlorobutadiene
 Concen: 47.223 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064655.D
 Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	168104		
223	62.3	31.1	93.2	
227	63.6	30.9	92.7	





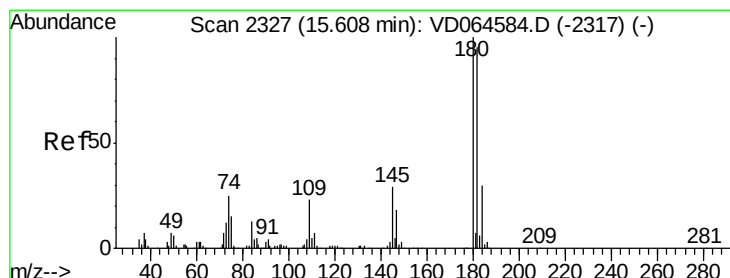
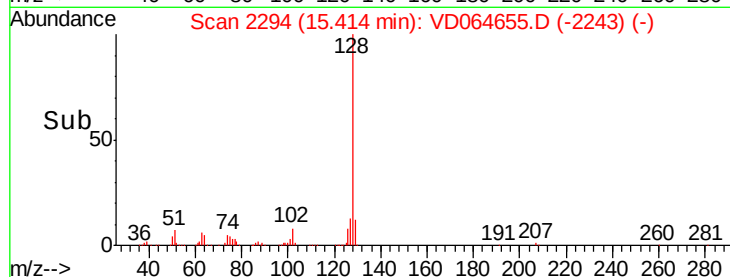
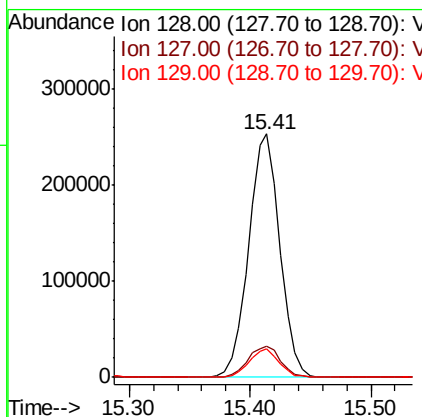
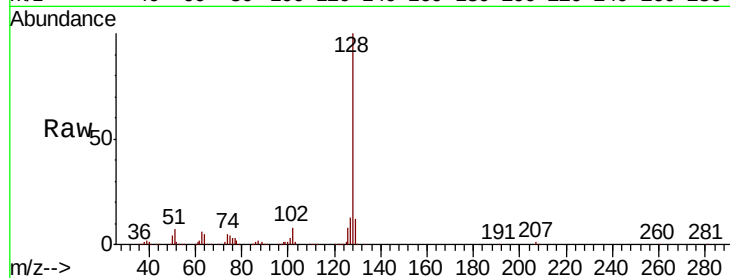
#95
Naphthalene
Concen: 50.805 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	11.2	8.5	12.7

Manual Integrations
APPROVED

apatel
12/30/2019 11:03:17 AM



#96
1,2,3-Trichlorobenzene
Concen: 49.064 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064655.D
Acq: 27 Dec 2019 20:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.7
145	30.3	14.9	44.7

