

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121319\
 Data File : VD064516.D
 Acq On : 13 Dec 2019 19:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/16/2019 12:16:03 PM

Quant Time: Dec 14 00:52:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	383693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	577181	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	533360	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	268522	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	184966	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
35) Dibromofluoromethane	7.92	113	187236	51.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.98%	
50) Toluene-d8	10.34	98	693251	50.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.22%	
62) 4-Bromofluorobenzene	12.64	95	227434	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	155188	44.638	ug/l	99
3) Chloromethane	2.21	50	205381	46.837	ug/l	100
4) Vinyl Chloride	2.35	62	251421	49.659	ug/l	99
5) Bromomethane	2.77	94	182521	48.749	ug/l	100
6) Chloroethane	2.93	64	176770	52.236	ug/l	96
7) Trichlorofluoromethane	3.27	101	434240	51.592	ug/l	100
8) Diethyl Ether	3.71	74	96896	55.401	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	181473	50.286	ug/l	98
10) Methyl Iodide	4.30	142	213766	56.091	ug/l	100
11) Tert butyl alcohol	5.26	59	57703	261.013	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	176878	51.144	ug/l	95
13) Acrolein	3.92	56	76145	252.521	ug/l	98
14) Allyl chloride	4.71	41	280539	51.978	ug/l	98
15) Acrylonitrile	5.43	53	212977	278.466	ug/l	99
16) Acetone	4.17	43	194668	277.376	ug/l	98
17) Carbon Disulfide	4.40	76	522736	47.724	ug/l	98
18) Methyl Acetate	4.73	43	111204	54.321	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	437826	55.190	ug/l	98
20) Methylene Chloride	4.97	84	202821	57.548	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	202069	51.654	ug/l	96
22) Diisopropyl ether	6.37	45	580805	54.510	ug/l	97
23) Vinyl Acetate	6.31	43	1755692	279.504	ug/l	100
24) 1,1-Dichloroethane	6.27	63	343230	53.565	ug/l	99
25) 2-Butanone	7.22	43	271164	273.208	ug/l	100
26) 2,2-Dichloropropane	7.21	77	286356	51.387	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	231587	54.300	ug/l	98
28) Bromochloromethane	7.55	49	129787	59.268	ug/l	99
29) Tetrahydrofuran	7.57	42	177712	281.428	ug/l	98
30) Chloroform	7.71	83	366521	55.230	ug/l	98
31) Cyclohexane	7.99	56	293569	52.726	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	326449	53.060	ug/l	100
36) 1,1-Dichloropropene	8.11	75	271515	49.734	ug/l	98
37) Ethyl Acetate	7.30	43	128919	55.653	ug/l	99
38) Carbon Tetrachloride	8.10	117	297043	51.553	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121319\
 Data File : VD064516.D
 Acq On : 13 Dec 2019 19:42
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

apatel
 12/16/2019 12:16:03 PM

Quant Time: Dec 14 00:52:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	328226	48.468	ug/l	98
40) Benzene	8.35	78	771849	50.904	ug/l	100
41) Methacrylonitrile	7.53	41	70680	53.204	ug/l	89
42) 1,2-Dichloroethane	8.43	62	236345	53.449	ug/l	99
43) Isopropyl Acetate	8.46	43	250578	55.015	ug/l	99
44) Trichloroethene	9.11	130	224963	49.253	ug/l	97
45) 1,2-Dichloropropane	9.39	63	193689	53.412	ug/l	99
46) Dibromomethane	9.48	93	112544	54.988	ug/l	98
47) Bromodichloromethane	9.66	83	288518	54.863	ug/l	97
48) Methyl methacrylate	9.46	41	111177	53.343	ug/l	98
49) 1,4-Dioxane	9.47	88	28629	1132.762	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	631266	280.111	ug/l	99
52) Toluene	10.40	92	514772	52.093	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	275193	54.908	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	319122	53.598	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	151772	54.156	ug/l	98
56) Ethyl methacrylate	10.66	69	196888	55.082	ug/l	100
57) 1,3-Dichloropropane	10.95	76	259526	54.401	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	392028	275.126	ug/l	99
59) 2-Hexanone	10.99	43	433744	277.371	ug/l	100
60) Dibromochloromethane	11.14	129	207298	54.555	ug/l	98
61) 1,2-Dibromoethane	11.25	107	151868	54.274	ug/l	97
64) Tetrachloroethene	10.87	164	205908	50.625	ug/l	97
65) Chlorobenzene	11.67	112	556622	50.037	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	214347	52.051	ug/l	99
67) Ethyl Benzene	11.75	91	967289	48.872	ug/l	98
68) m/p-Xylenes	11.86	106	752715	99.742	ug/l	100
69) o-Xylene	12.18	106	345835	49.619	ug/l	99
70) Styrene	12.20	104	619842	51.177	ug/l	100
71) Bromoform	12.36	173	128582	52.190	ug/l #	99
73) Isopropylbenzene	12.48	105	929275	48.118	ug/l	100
74) N-amyl acetate	12.29	43	229454	52.349	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	161491	50.566	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	126007m	57.062	ug/l	
77) Bromobenzene	12.77	156	239326	50.182	ug/l	99
78) n-propylbenzene	12.83	91	1080616	48.496	ug/l	99
79) 2-Chlorotoluene	12.91	91	604081	49.268	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	770446	48.818	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	53372	52.702	ug/l	97
82) 4-Chlorotoluene	13.01	91	639227	49.240	ug/l	99
83) tert-Butylbenzene	13.23	119	669336	48.784	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	755847	47.630	ug/l	98
85) sec-Butylbenzene	13.41	105	907945	48.215	ug/l	100
86) p-Isopropyltoluene	13.53	119	850234	47.824	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	441896	48.819	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	440922	49.339	ug/l	99
89) n-Butylbenzene	13.86	91	777372	48.150	ug/l	99
90) Hexachloroethane	14.12	117	167881	50.487	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	389461	50.346	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26550	56.179	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121319\
Data File : VD064516.D
Acq On : 13 Dec 2019 19:42
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

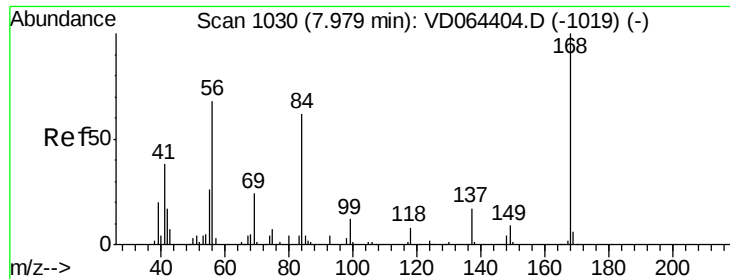
Manual Integrations
APPROVED

apatel
12/16/2019 12:16:03 PM

Quant Time: Dec 14 00:52:55 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	290026	48.955	ug/l	99
94) Hexachlorobutadiene	15.28	225	174830	47.802	ug/l	100
95) Naphthalene	15.41	128	503446	50.919	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	255051	50.434	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 383693

Ion Ratio Lower Upper

168 100

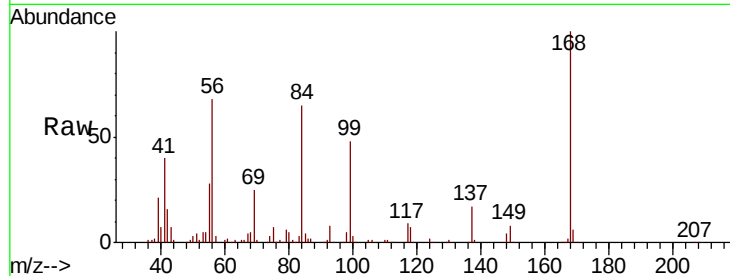
99 47.6 40.7 61.1

Manual Integrations

APPROVED

apatel

12/16/2019 12:16:03 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

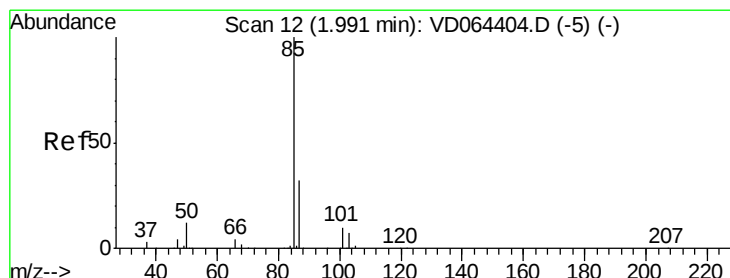
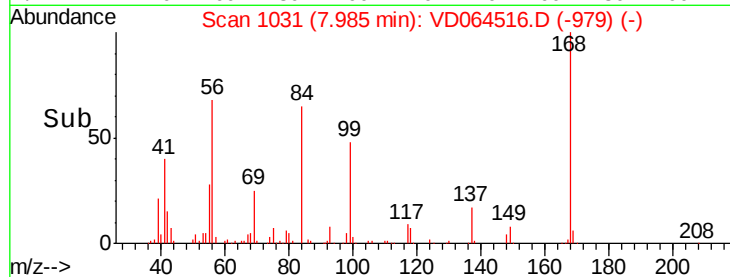
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.638 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064516.D

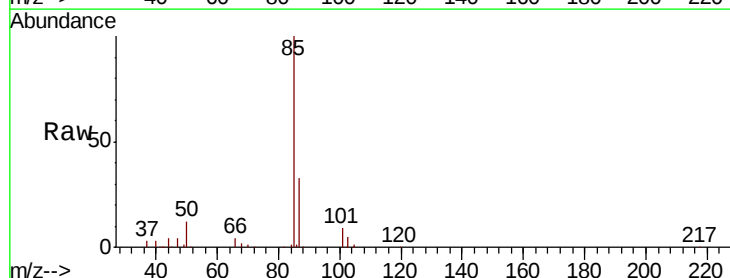
Acq: 13 Dec 2019 19:42

Tgt Ion: 85 Resp: 155188

Ion Ratio Lower Upper

85 100

87 32.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

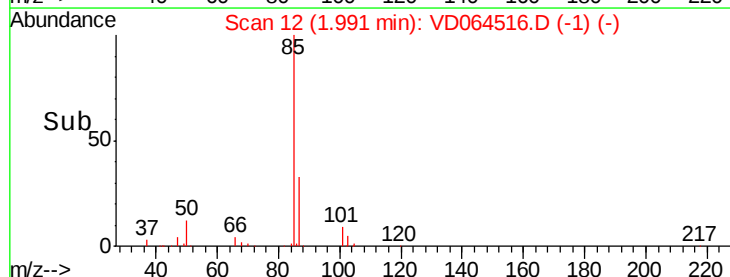
40000

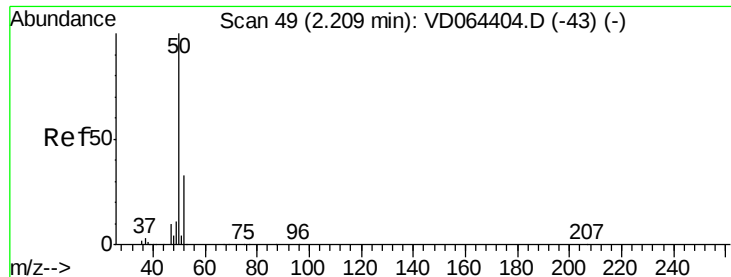
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 46.837 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 205381

Ion Ratio Lower Upper

50 100

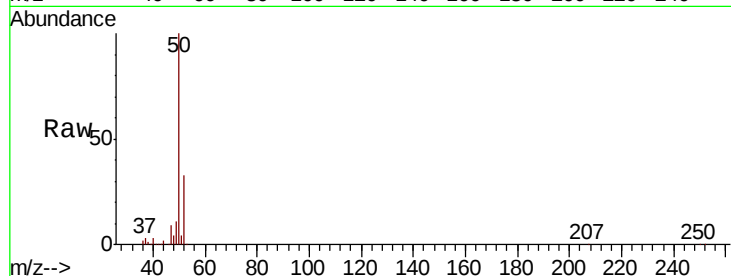
52 33.2 26.7 40.1

Manual Integrations

APPROVED

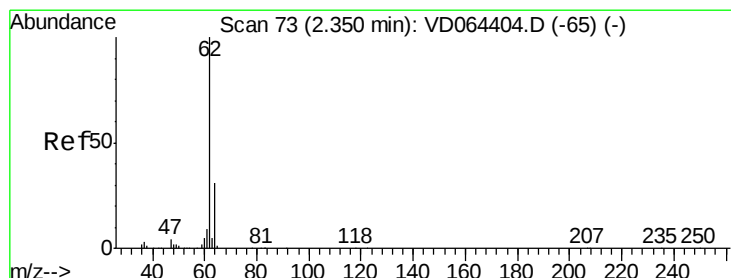
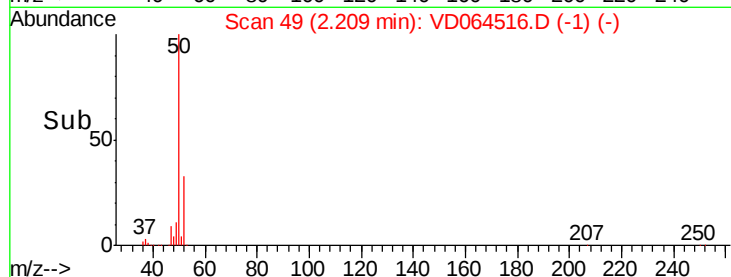
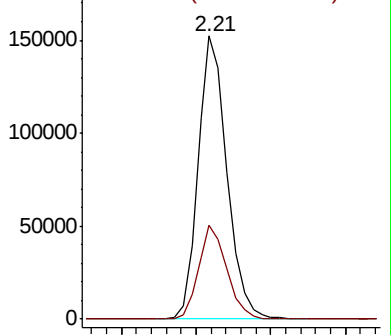
apatel

12/16/2019 12:16:03 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 49.659 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064516.D

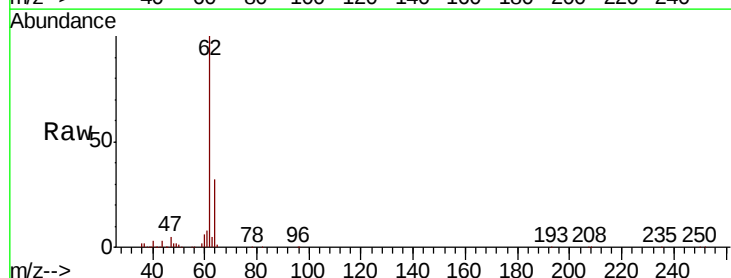
Acq: 13 Dec 2019 19:42

Tgt Ion: 62 Resp: 251421

Ion Ratio Lower Upper

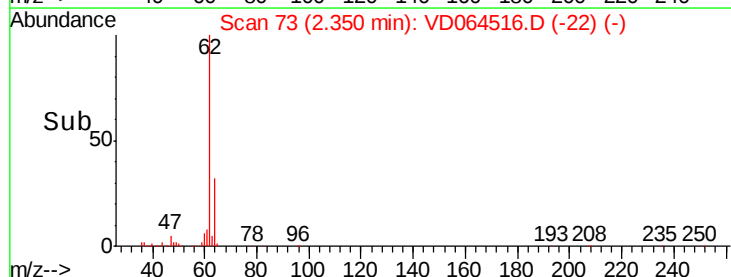
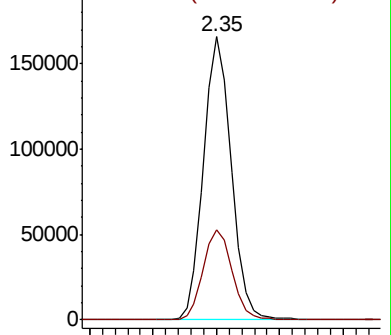
62 100

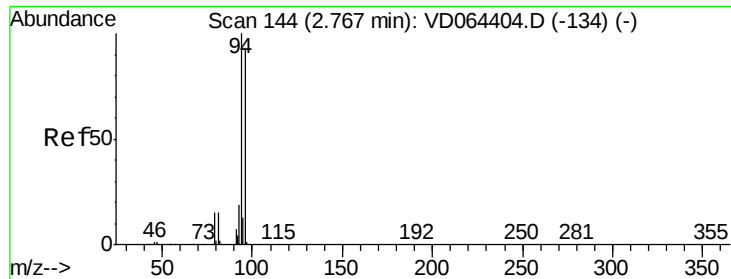
64 31.8 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 48.749 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 182521

Ion Ratio Lower Upper

94 100

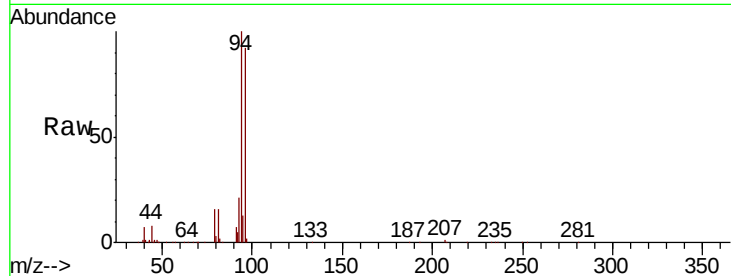
96 92.3 73.6 110.4

Manual Integrations

APPROVED

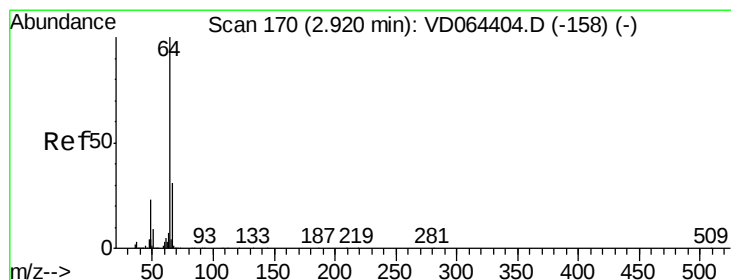
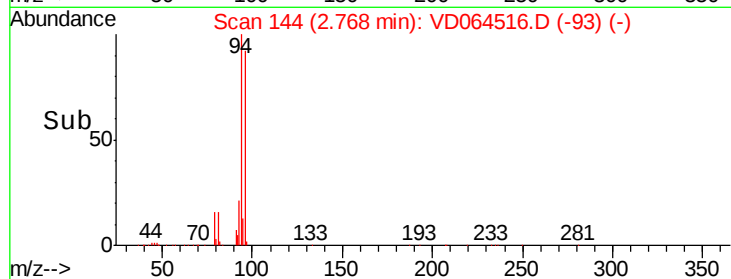
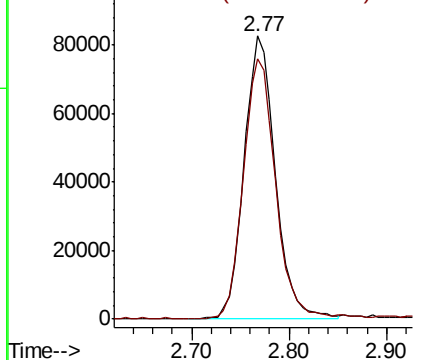
apatel

12/16/2019 12:16:03 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 52.236 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064516.D

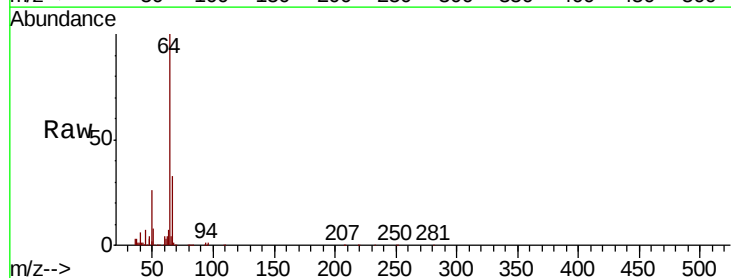
Acq: 13 Dec 2019 19:42

Tgt Ion: 64 Resp: 176770

Ion Ratio Lower Upper

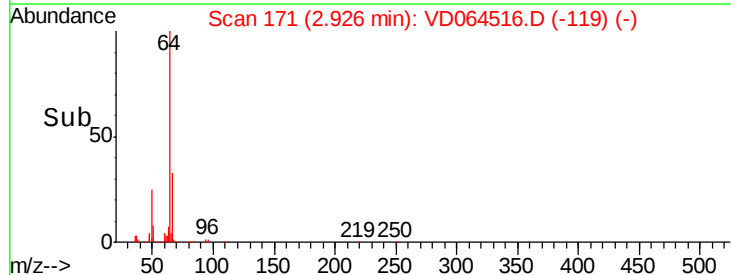
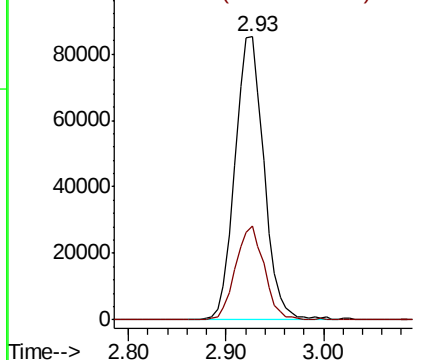
64 100

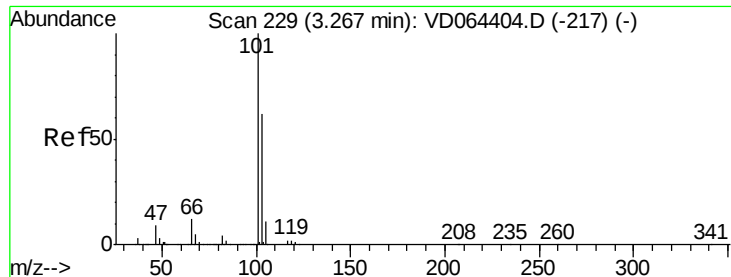
66 33.0 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

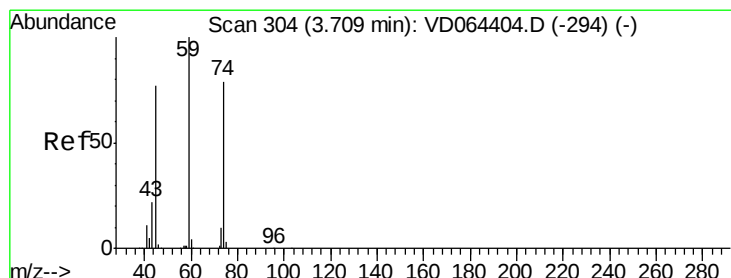
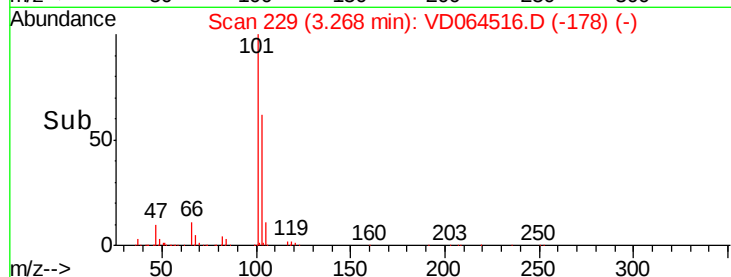
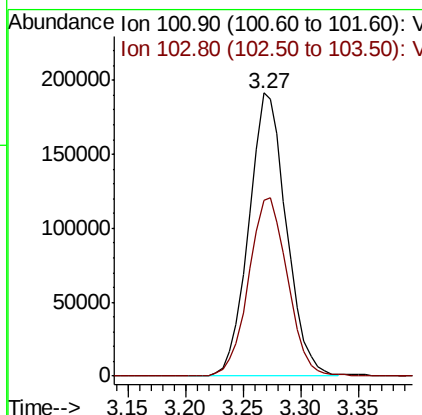
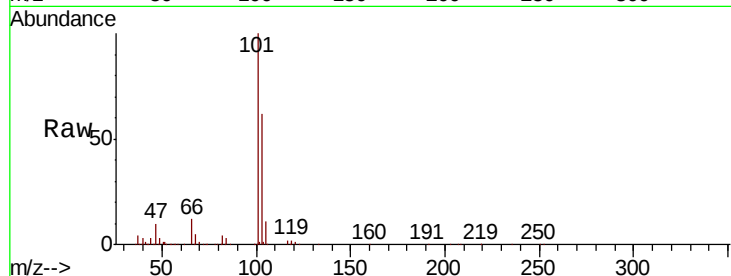
Trichlorofluoromethane
Concen: 51.592 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.0	49.8	74.6

Manual Integrations
APPROVED

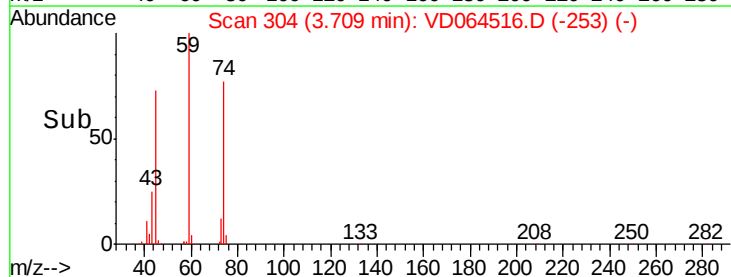
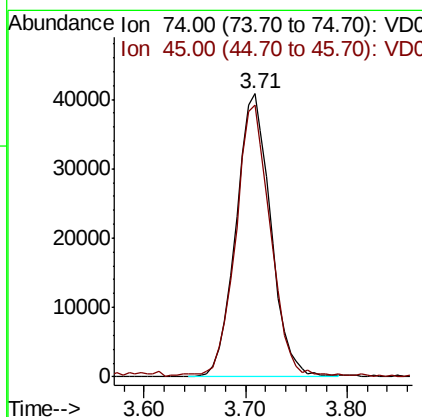
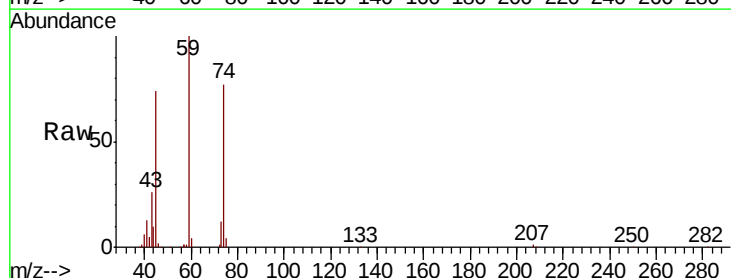
apatel
12/16/2019 12:16:03 PM

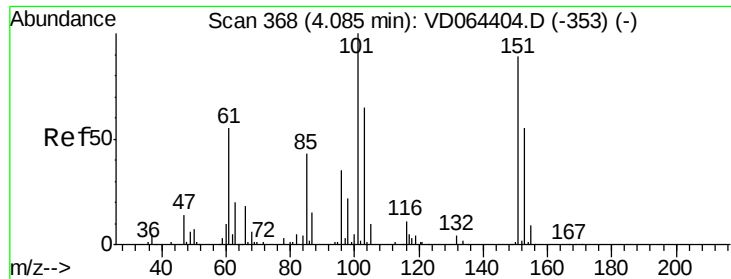


#8

Diethyl Ether
Concen: 55.401 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.6	48.6	145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.286 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

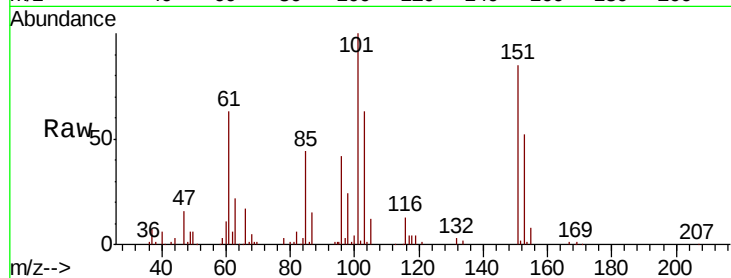
ClientSampleId :

VSTDCCC050EC

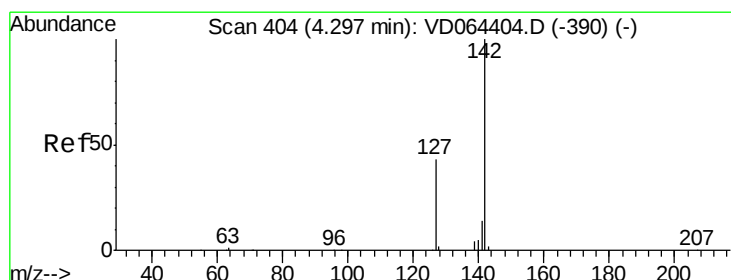
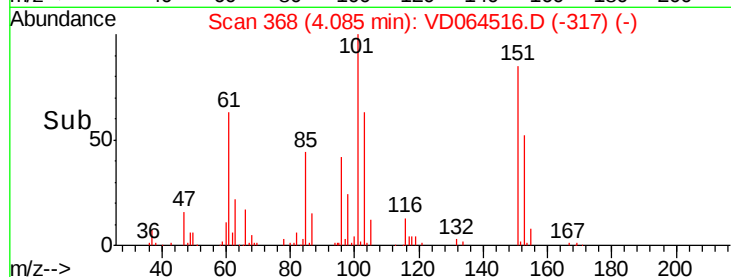
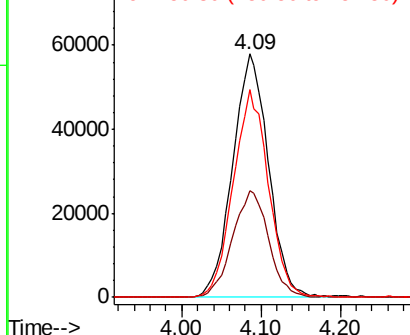
Tot Ion:	101	Resp:	181473
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.8	52.2
151	83.8	68.8	103.2

Manual Integrations
APPROVED

apatel
12/16/2019 12:16:03 PM



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: 56.091 ug/l

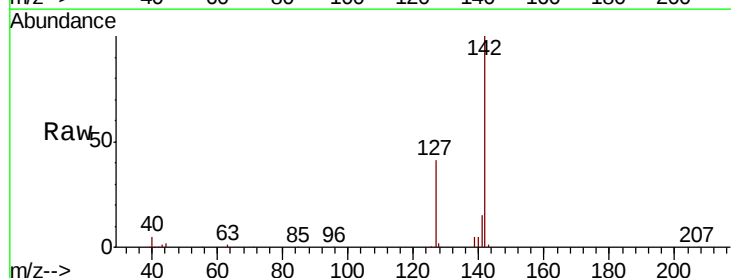
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

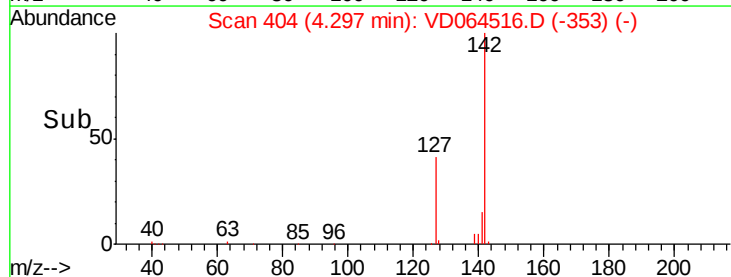
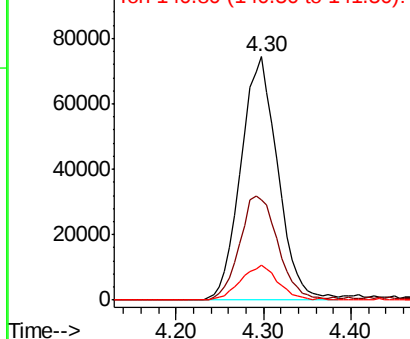
Lab File: VD064516.D

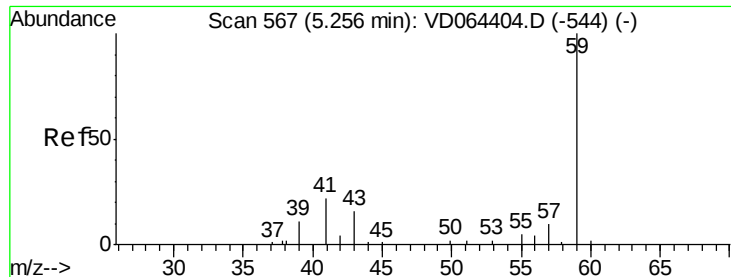
Acq: 13 Dec 2019 19:42

Tgt Ion:	142	Resp:	213766
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.3	52.9
141	14.4	11.6	17.4



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





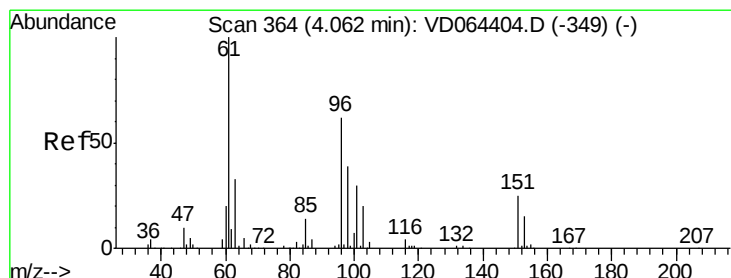
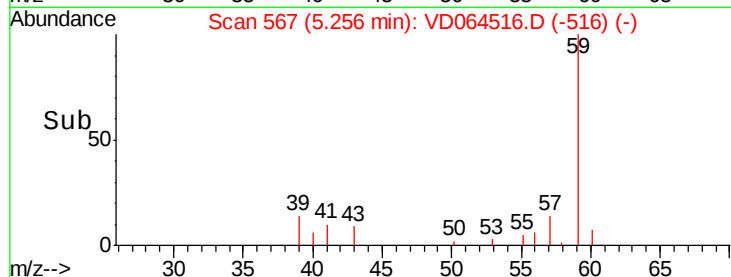
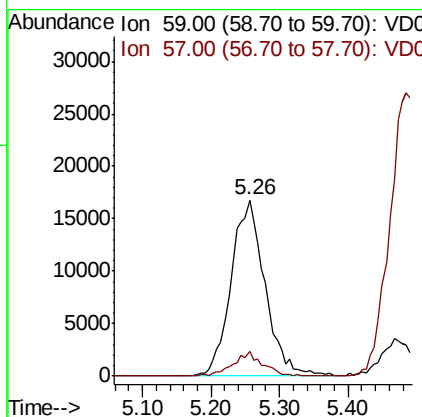
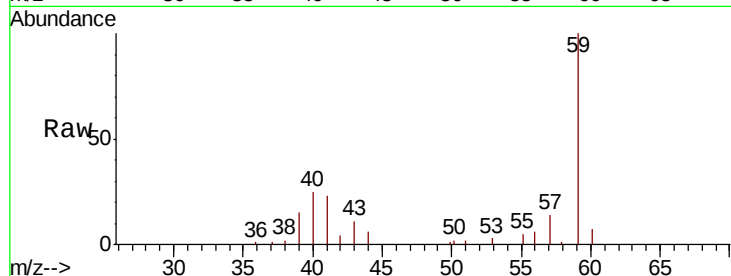
#11
Tert butyl alcohol
Concen: 261.013 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 57703
Ion Ratio Lower Upper
59 100
57 12.0 0.0 0.0#

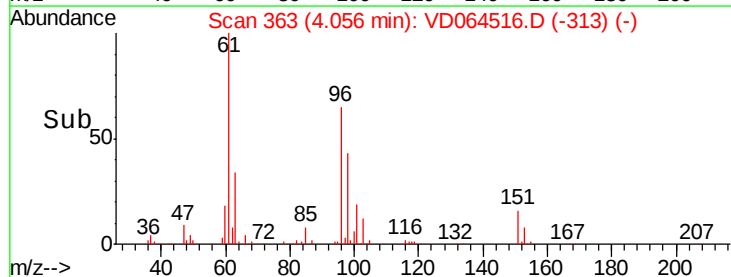
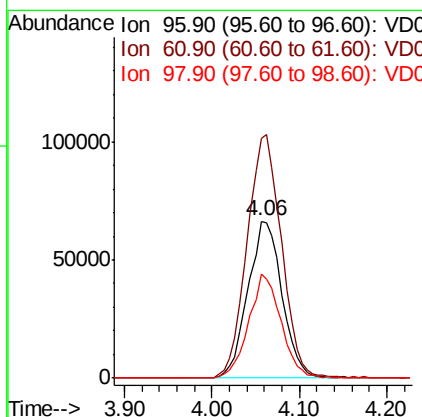
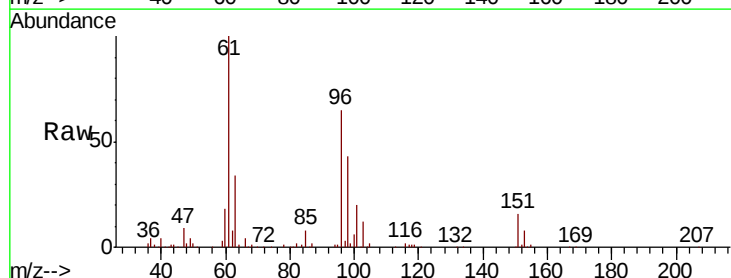
Manual Integrations
APPROVED

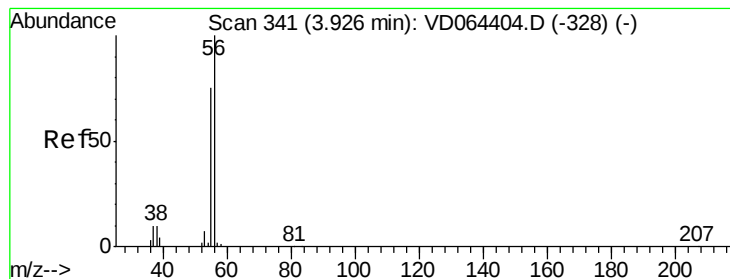
apatel
12/16/2019 12:16:03 PM



#12
1,1-Dichloroethene
Concen: 51.144 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion: 96 Resp: 176878
Ion Ratio Lower Upper
96 100
61 152.7 128.2 192.4
98 66.1 50.4 75.6





#13

Acrolein

Concen: 252.521 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 76145

Ion Ratio Lower Upper

56 100

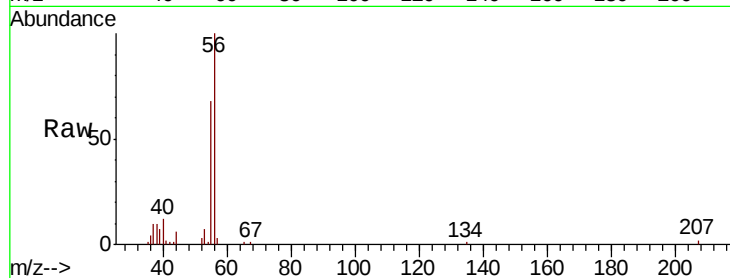
55 69.1 56.9 85.3

Manual Integrations

APPROVED

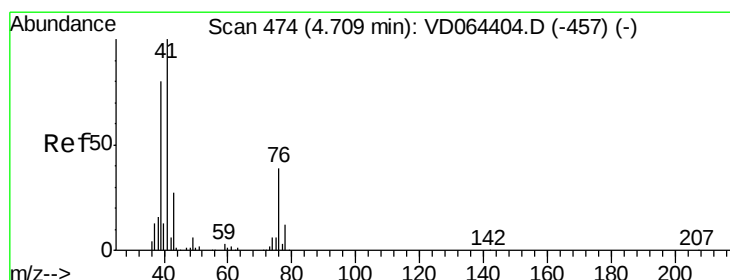
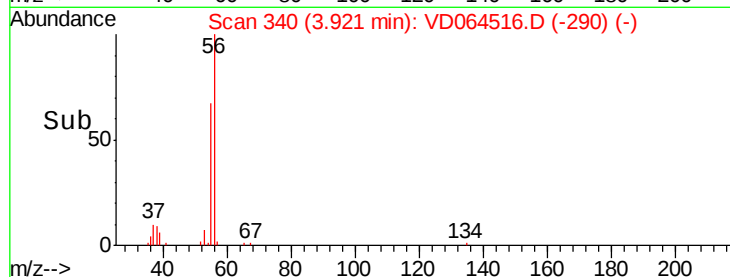
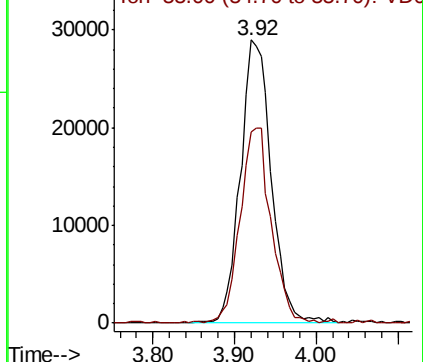
apatel

12/16/2019 12:16:03 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.978 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

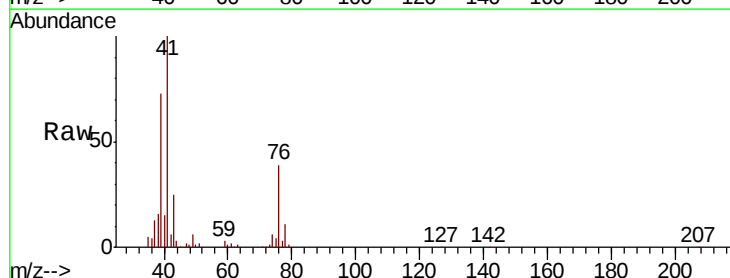
Tgt Ion: 41 Resp: 280539

Ion Ratio Lower Upper

41 100

39 76.2 62.1 93.1

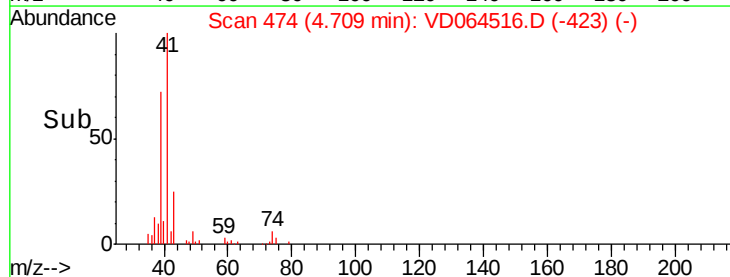
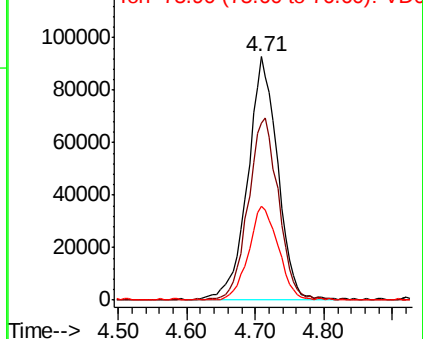
76 38.5 29.8 44.8

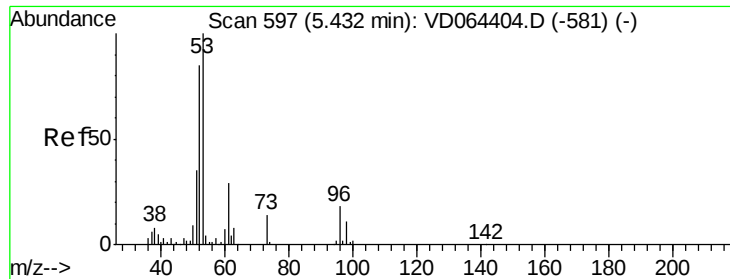


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 278.466 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

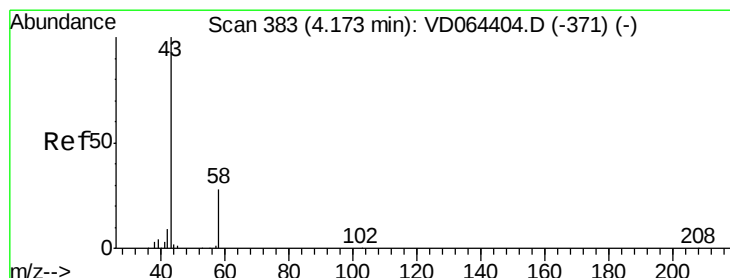
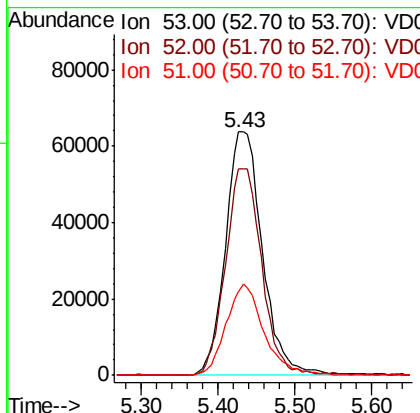
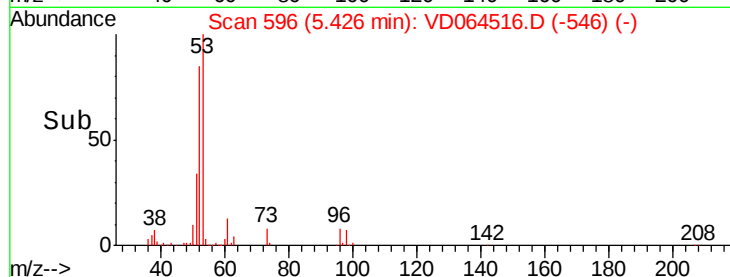
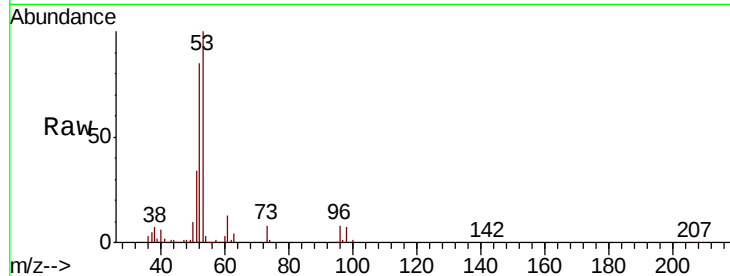
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	212977
Ion	Ratio	Lower	Upper
53	100		
52	83.3	67.9	101.9
51	38.4	30.6	45.8

Manual Integrations
APPROVED

apatel
12/16/2019 12:16:03 PM



#16

Acetone

Concen: 277.376 ug/l

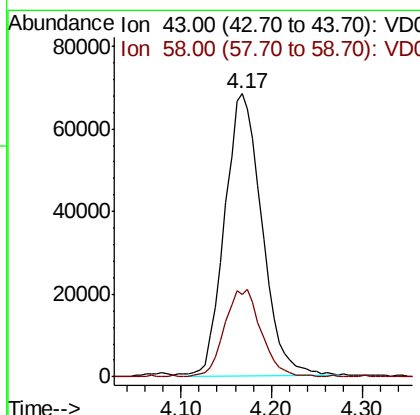
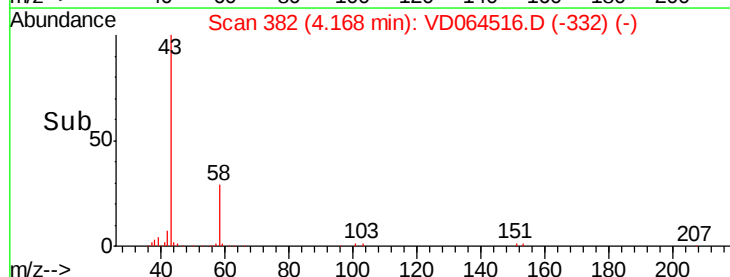
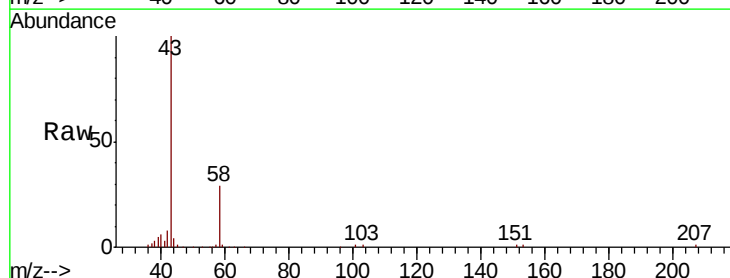
RT: 4.17 min Scan# 382

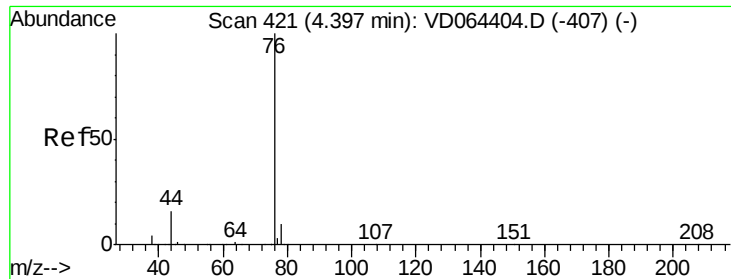
Delta R.T. -0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Tgt Ion:	43	Resp:	194668
Ion	Ratio	Lower	Upper
43	100		
58	29.1	22.6	33.8





#17

Carbon Disulfide

Concen: 47.724 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 522736

Ion Ratio Lower Upper

76 100

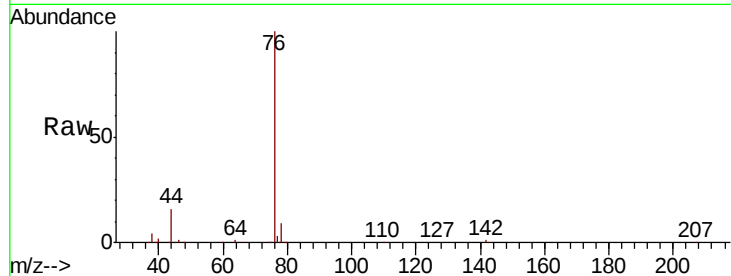
78 9.2 7.8 11.8

Manual Integrations

APPROVED

apatel

12/16/2019 12:16:03 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

200000

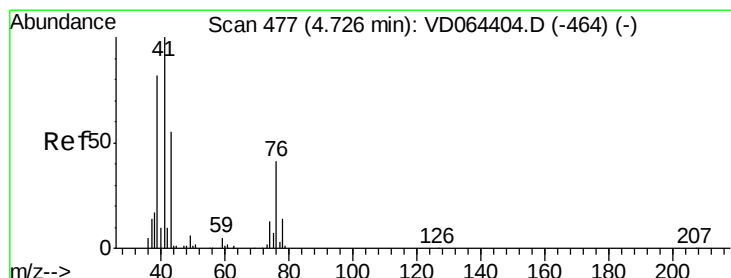
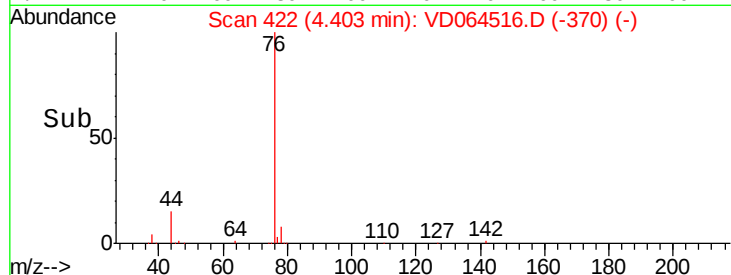
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 54.321 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064516.D

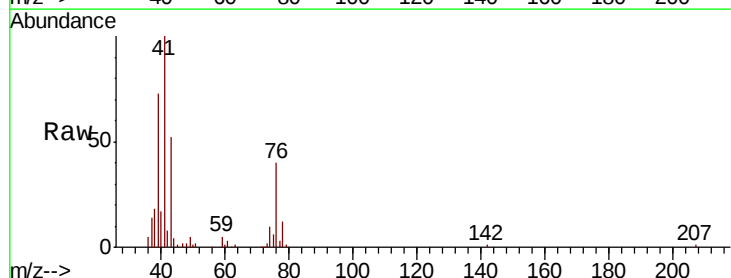
Acq: 13 Dec 2019 19:42

Tgt Ion: 43 Resp: 111204

Ion Ratio Lower Upper

43 100

74 23.2 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

40000

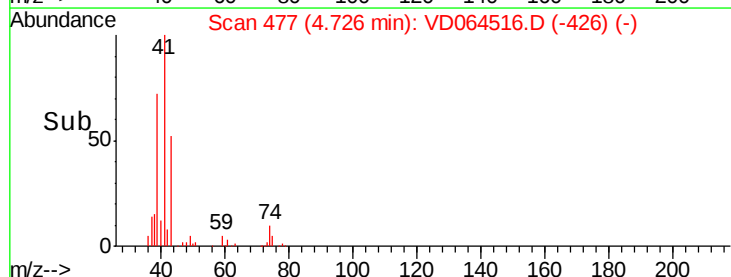
30000

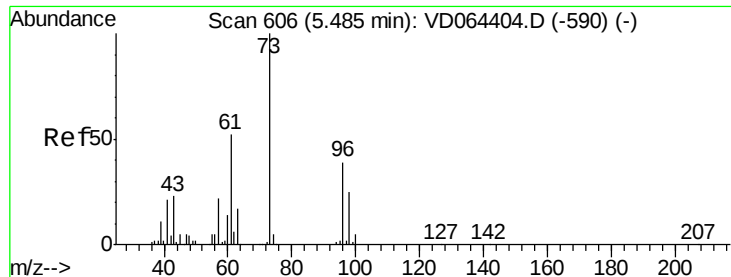
20000

10000

0

Time-->





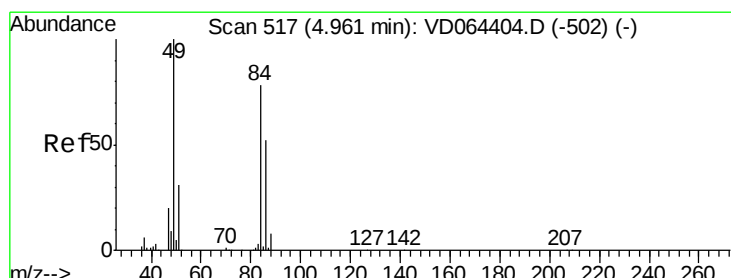
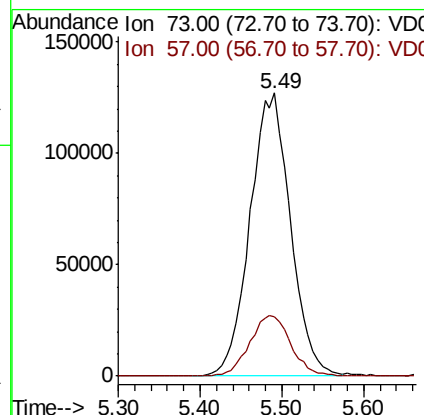
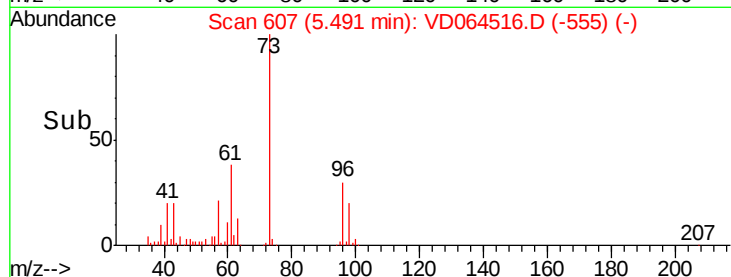
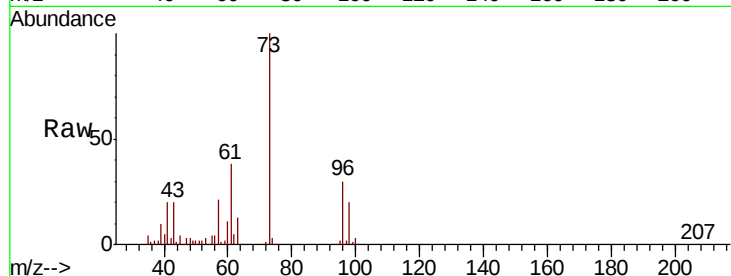
#19
Methvl tert-butvl Ether
Concen: 55.190 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 437826
Ion Ratio Lower Upper
73 100
57 20.9 17.6 26.4

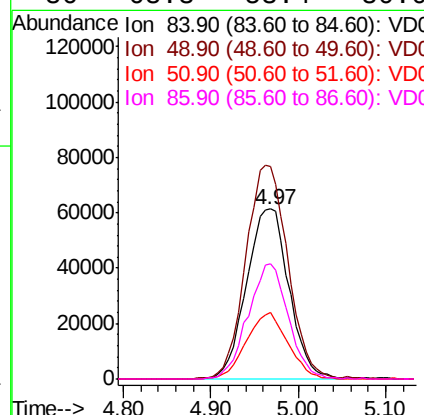
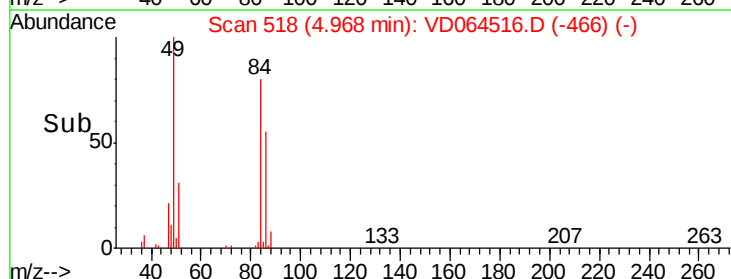
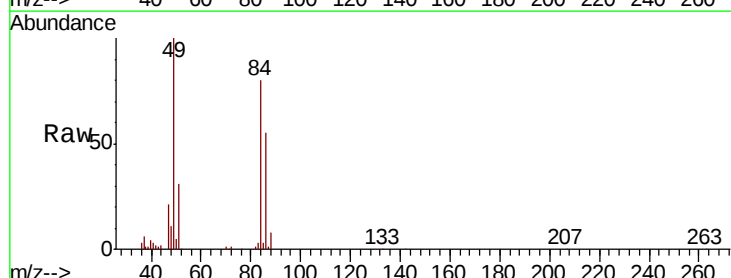
Manual Integrations
APPROVED

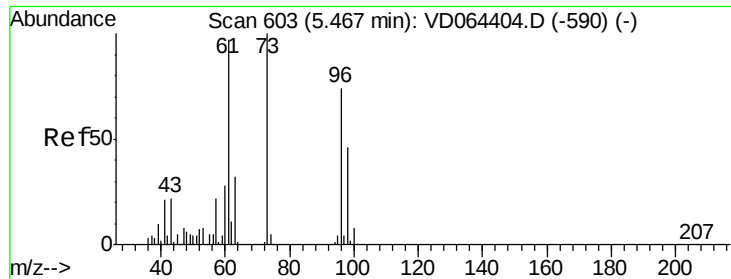
apatel
12/16/2019 12:16:03 PM



#20
Methylene Chloride
Concen: 57.548 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion: 84 Resp: 202821
Ion Ratio Lower Upper
84 100
49 125.2 102.6 153.8
51 39.1 32.0 48.0
86 68.3 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 51.654 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 202069

Ion Ratio Lower Upper

96 100

61 125.5 105.8 158.6

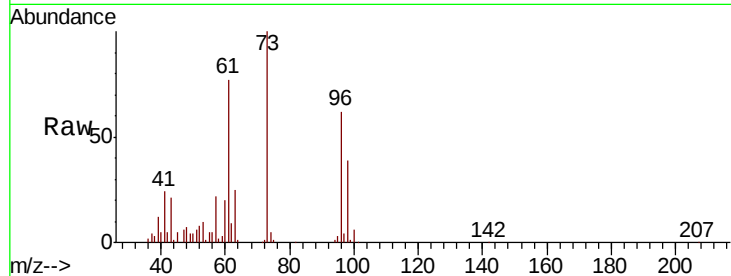
98 62.9 50.1 75.1

Manual Integrations

APPROVED

apatel

12/16/2019 12:16:03 PM

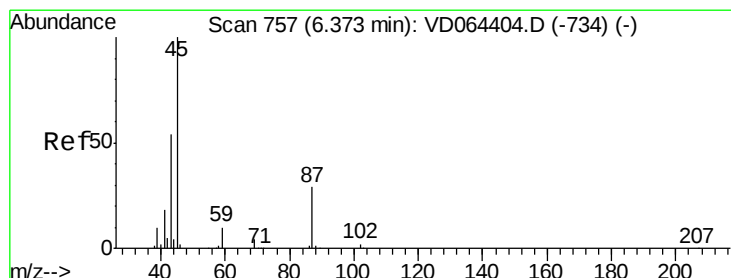
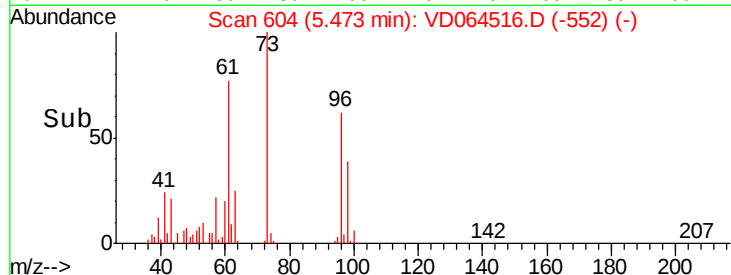
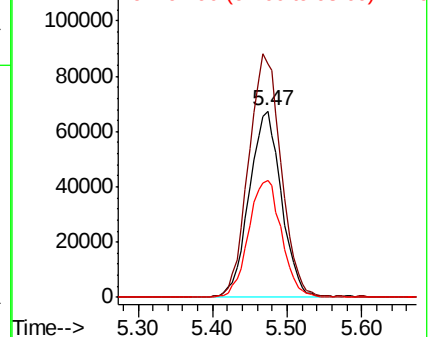


Abundance

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: 54.510 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Tgt Ion: 45 Resp: 580805

Ion Ratio Lower Upper

45 100

43 53.1 43.1 64.7

87 26.7 23.5 35.3

59 11.1 8.2 12.2

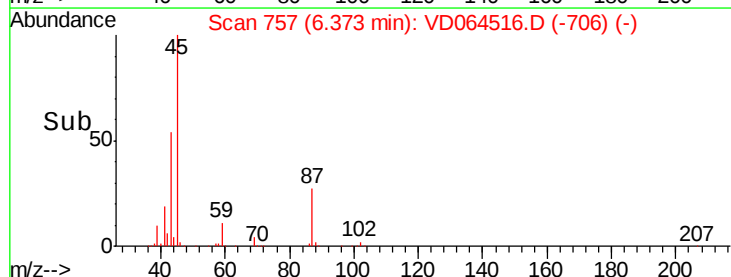
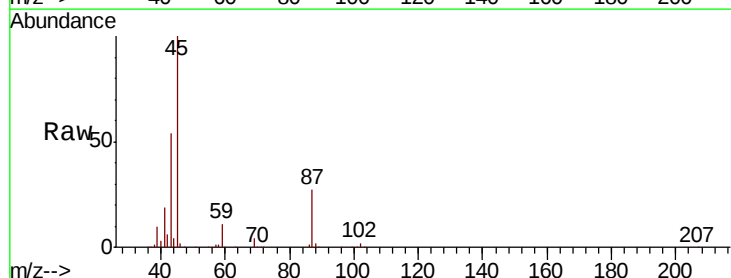
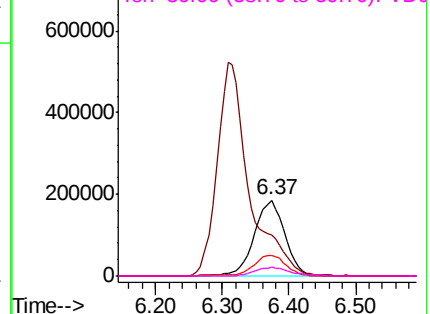
Abundance

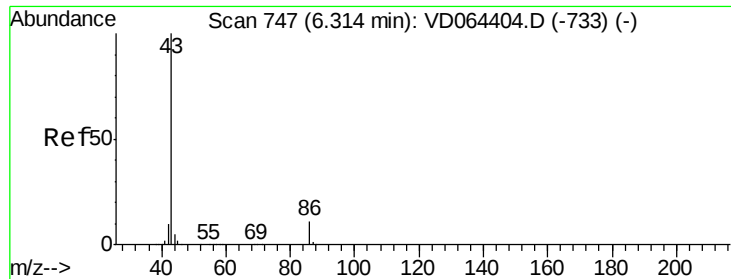
Ion 45.00 (44.70 to 45.70): VDC

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





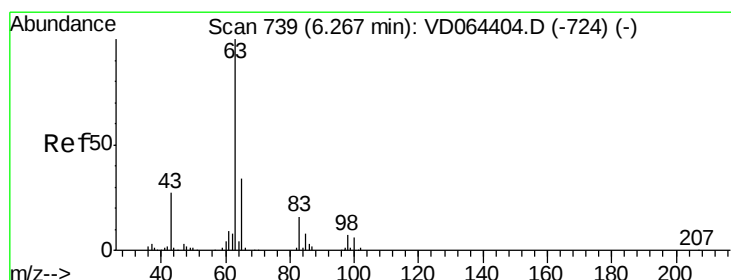
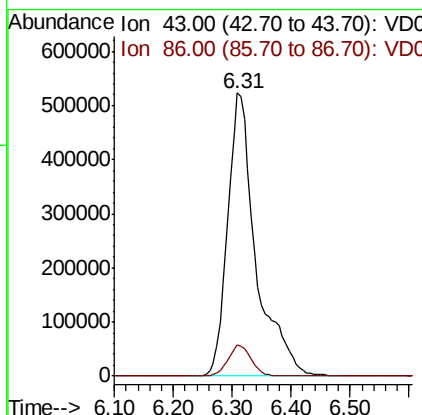
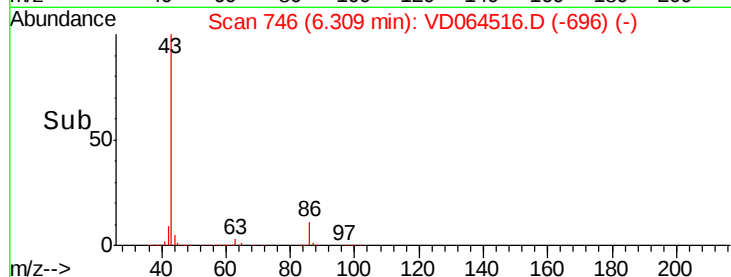
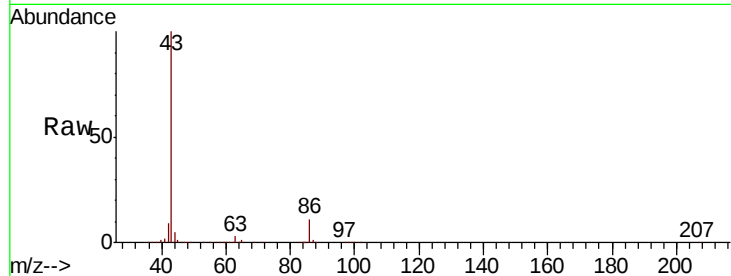
#23
 Vinyl Acetate
 Concen: 279.504 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1755692
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.9 13.3

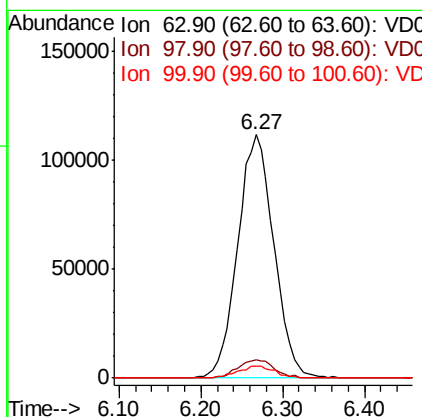
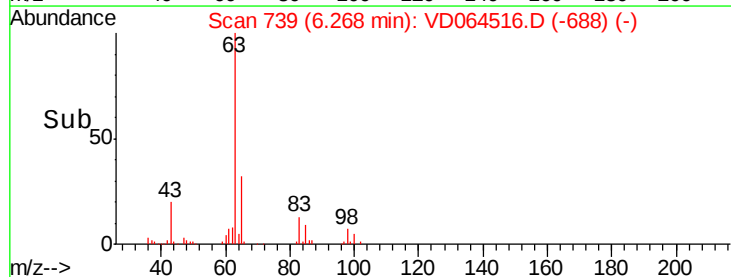
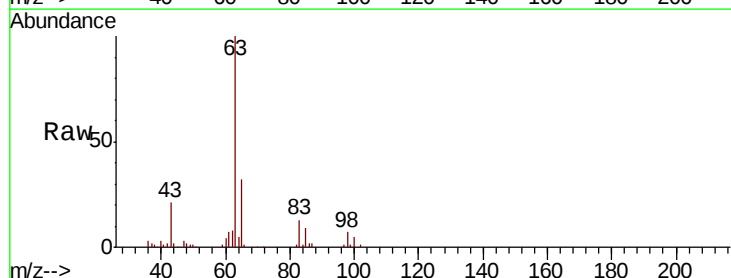
Manual Integrations
 APPROVED

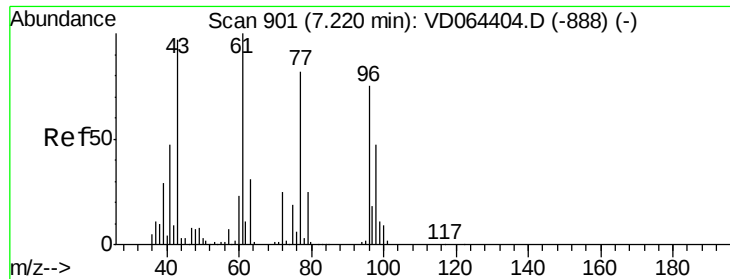
apatel
 12/16/2019 12:16:03 PM



#24
 1,1-Dichloroethane
 Concen: 53.565 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion: 63 Resp: 343230
 Ion Ratio Lower Upper
 63 100
 98 7.3 3.6 10.9
 100 4.8 2.9 8.6





#25

2-Butanone

Concen: 273.208 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 271164

Ion Ratio Lower Upper

43 100

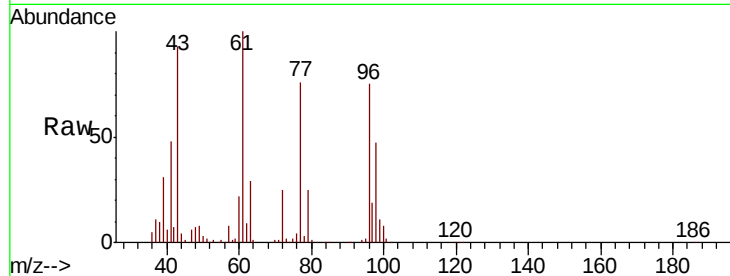
72 26.4 21.0 31.4

Manual Integrations

APPROVED

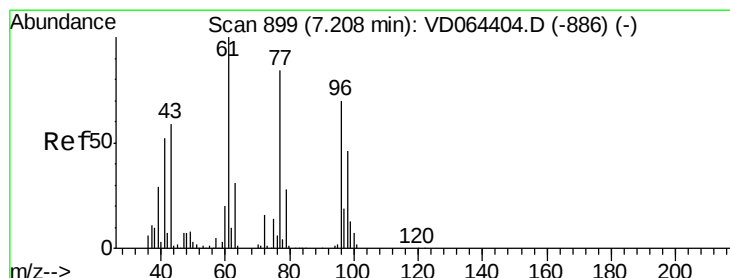
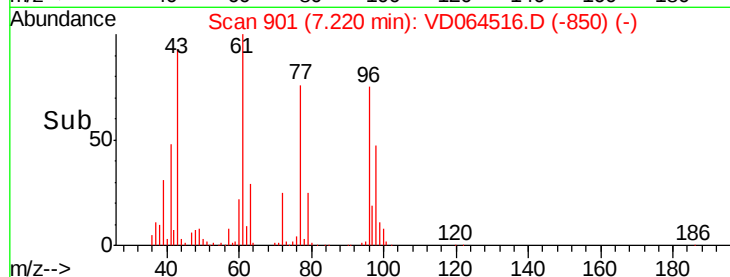
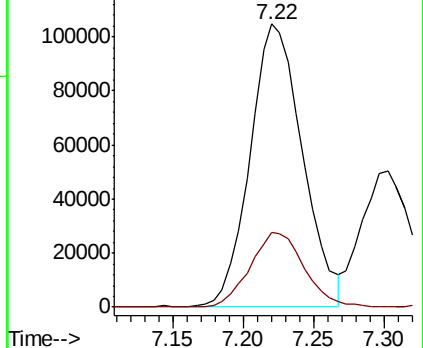
apatel

12/16/2019 12:16:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.387 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064516.D

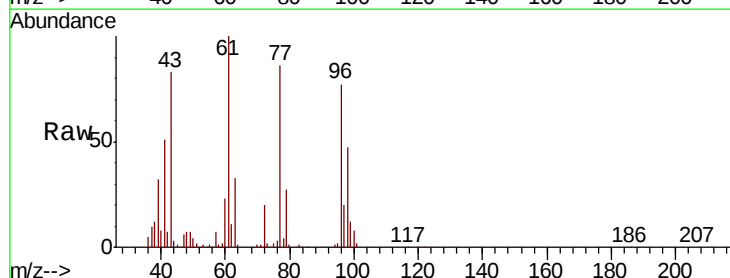
Acq: 13 Dec 2019 19:42

Tgt Ion: 77 Resp: 286356

Ion Ratio Lower Upper

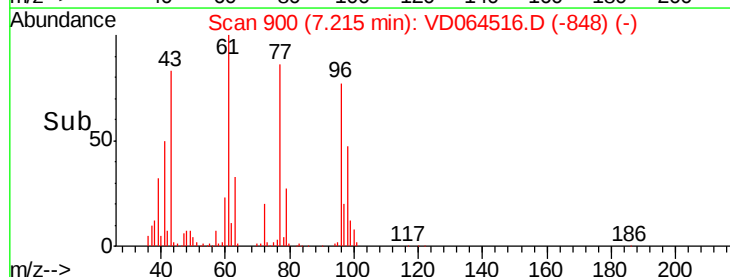
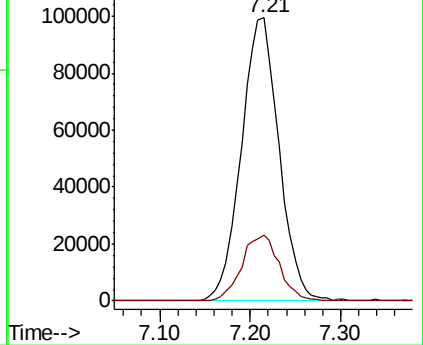
77 100

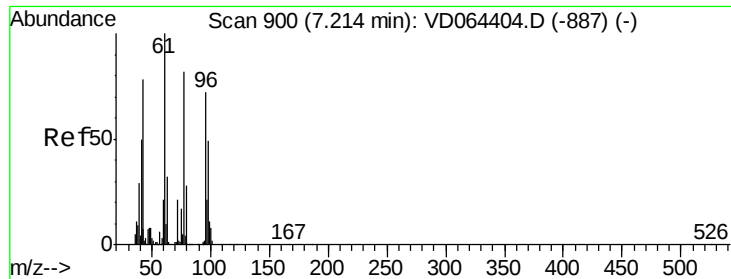
97 23.1 11.6 34.7



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

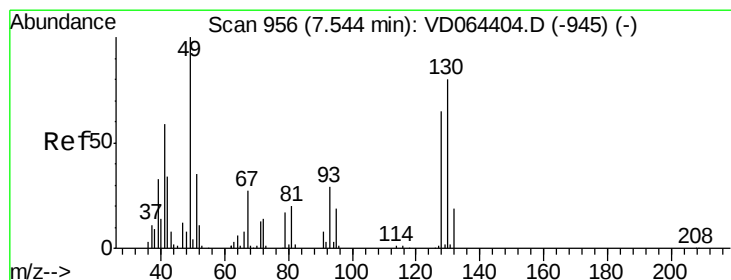
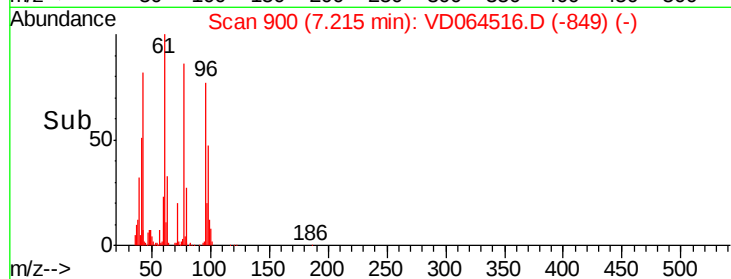
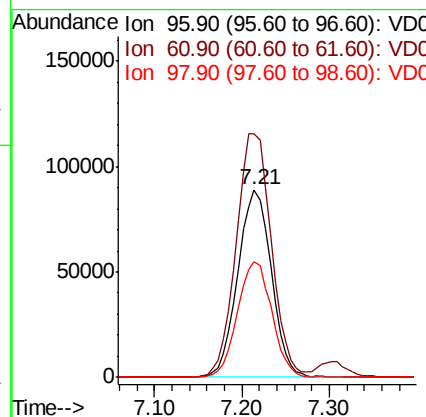
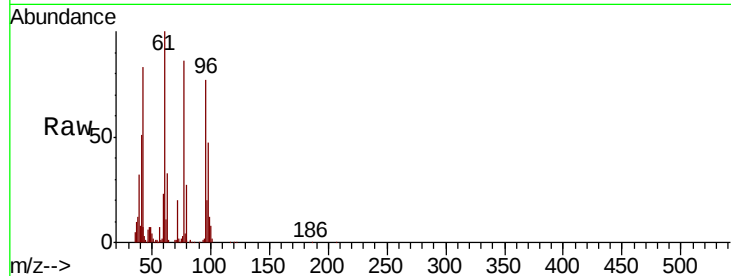
cis-1,2-Dichloroethene
 Concen: 54.300 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.7	0.0	279.6
98	63.3	0.0	129.2

Manual Integrations
 APPROVED

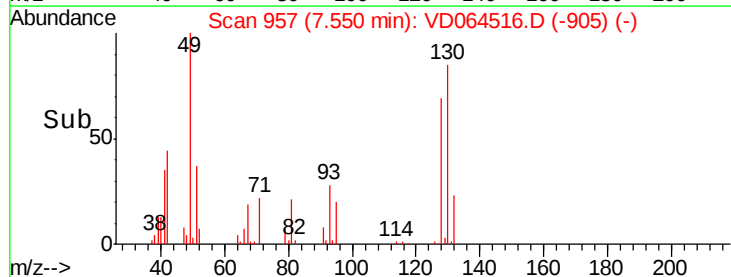
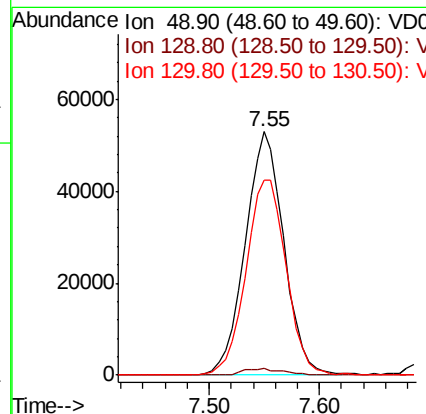
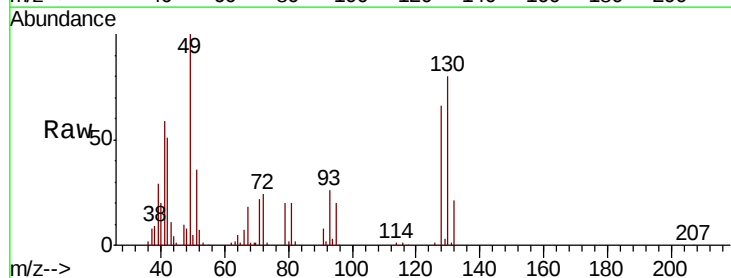
apatel
 12/16/2019 12:16:03 PM

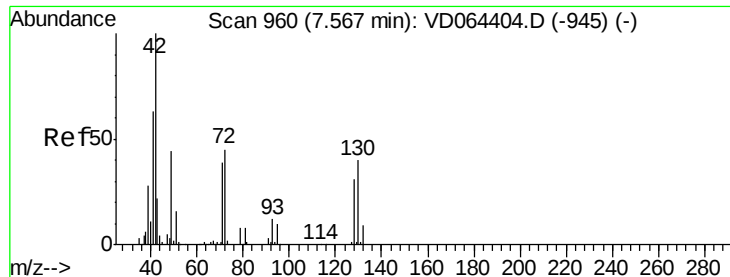


#28

Bromochloromethane
 Concen: 59.268 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.4
130	83.6	67.4	101.0





#29

Tetrahydrofuran

Concen: 281.428 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

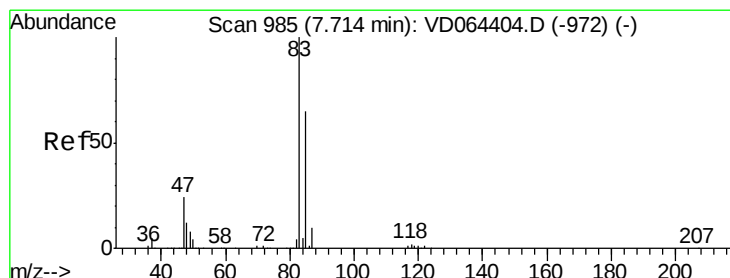
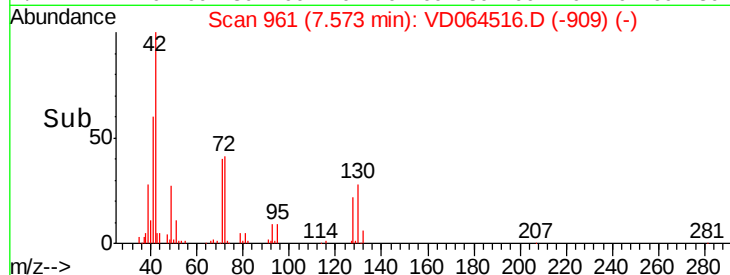
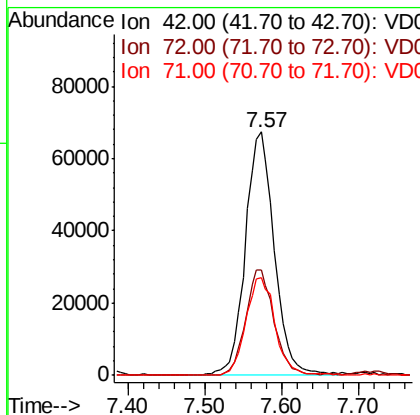
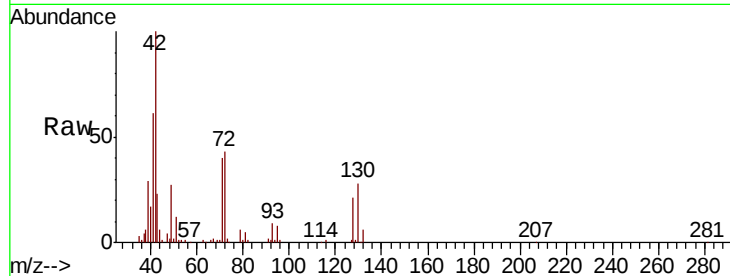
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	177712
Ion	Ratio	Lower	Upper
42	100		
72	42.5	35.8	53.8
71	40.3	32.7	49.1

Manual Integrations
APPROVED

apatel
12/16/2019 12:16:03 PM



#30

Chloroform

Concen: 55.230 ug/l

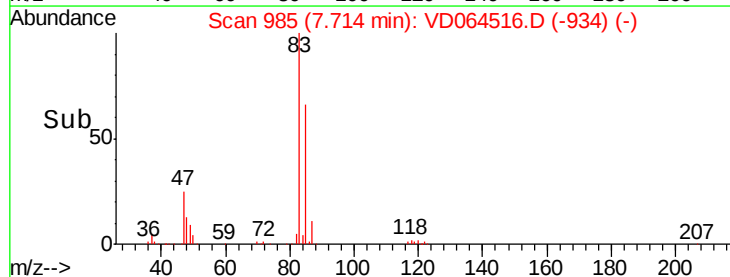
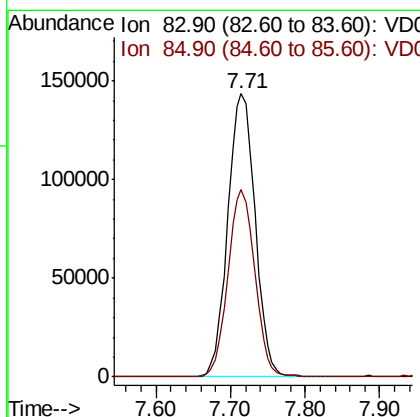
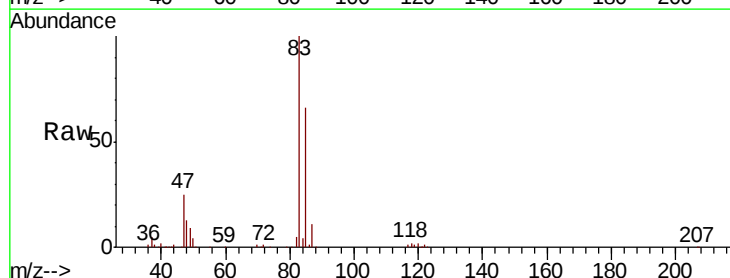
RT: 7.71 min Scan# 985

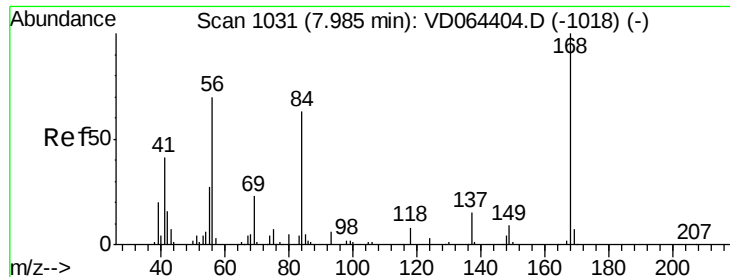
Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Tgt Ion:	83	Resp:	366521
Ion	Ratio	Lower	Upper
83	100		
85	66.2	51.8	77.6





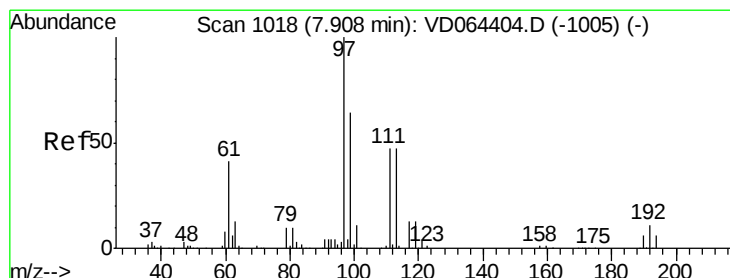
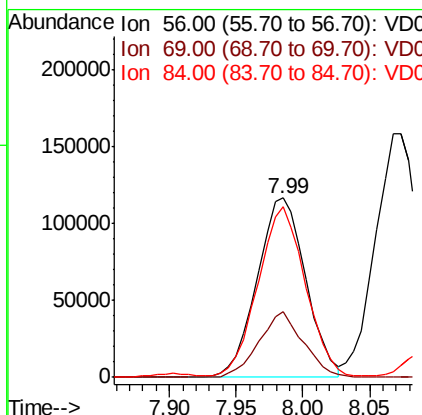
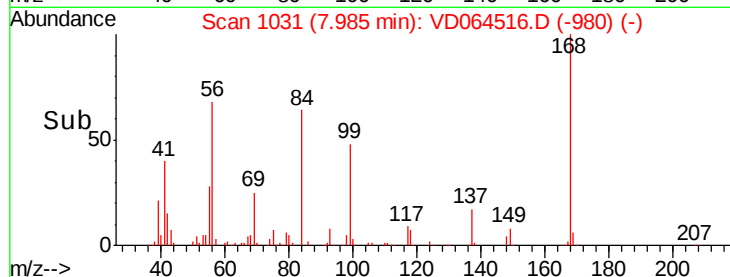
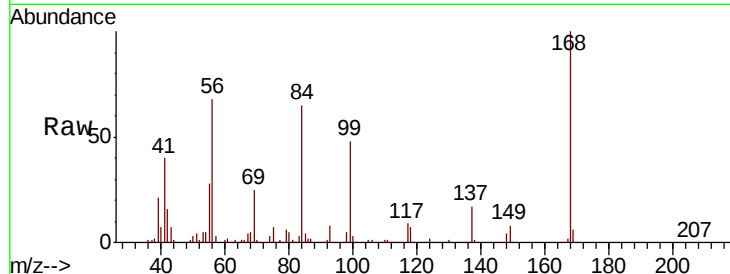
#31
Cyclohexane
Concen: 52.726 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.9	26.2	39.4
84	93.3	70.3	105.5

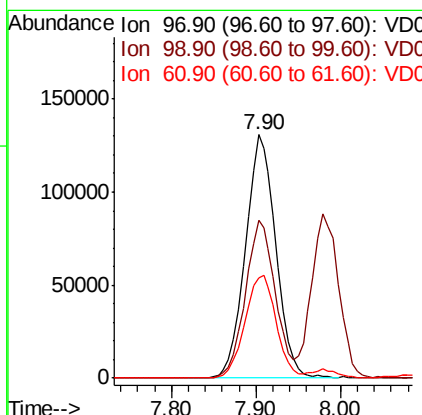
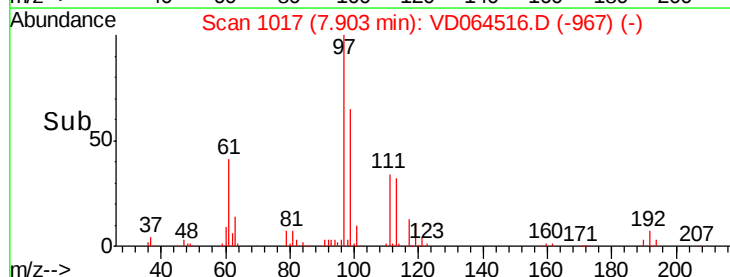
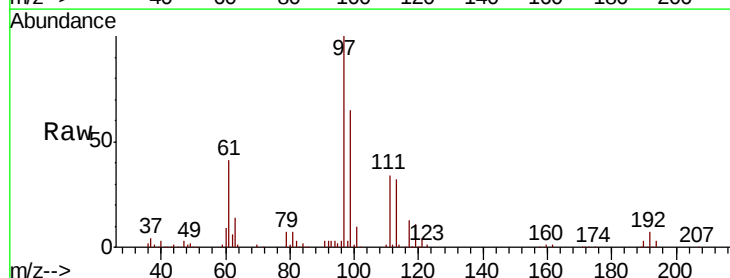
Manual Integrations
APPROVED

apatel
12/16/2019 12:16:03 PM



#32
1,1,1-Trichloroethane
Concen: 53.060 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.4	77.2
61	43.6	35.0	52.4





#33

1,2-Dichloroethane-d4

Concen: 53.259 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 184966

Ion Ratio Lower Upper

65 100

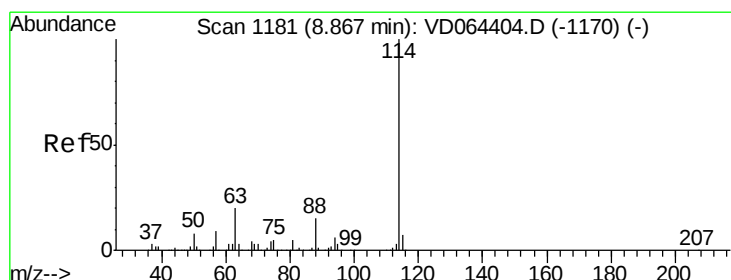
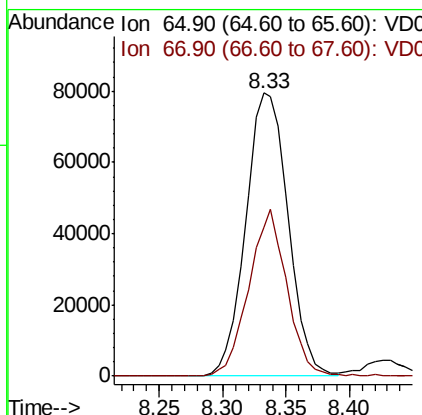
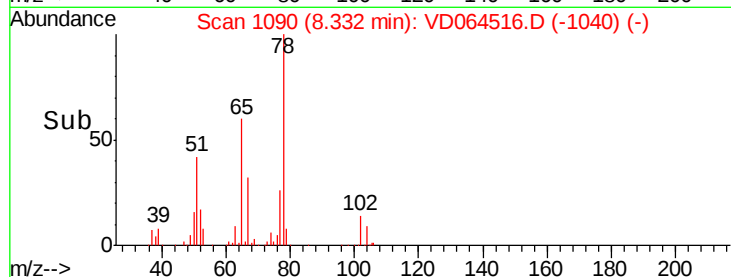
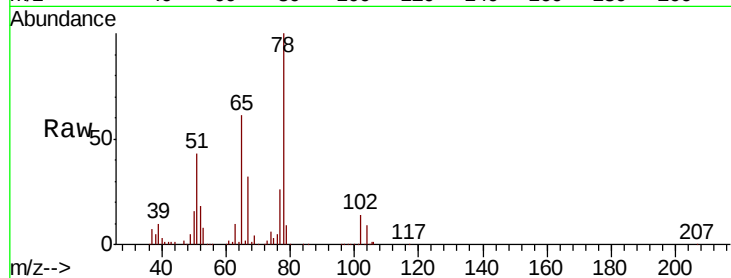
67 52.6 0.0 102.0

Manual Integrations

APPROVED

apatel

12/16/2019 12:16:03 PM



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

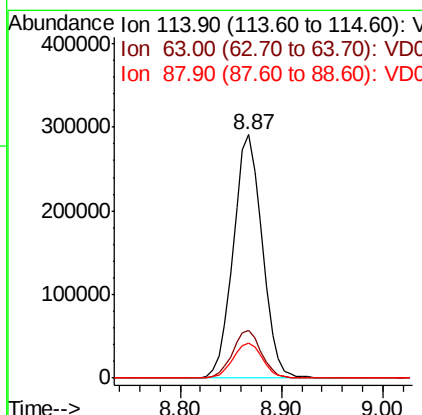
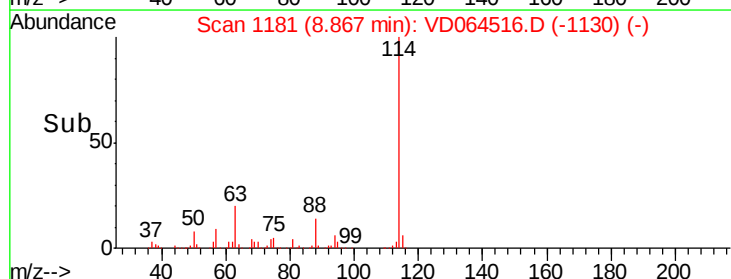
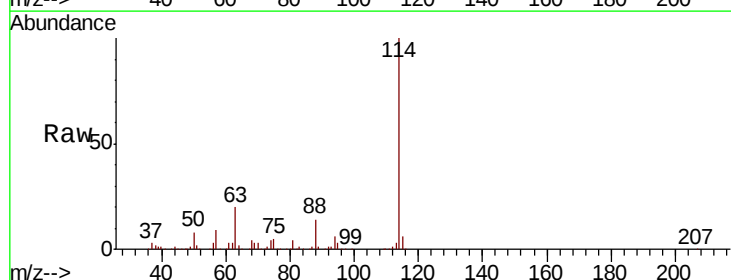
Tgt Ion: 114 Resp: 577181

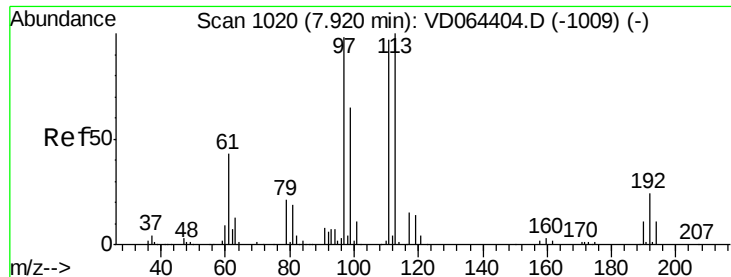
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.0

88 14.5 0.0 29.2





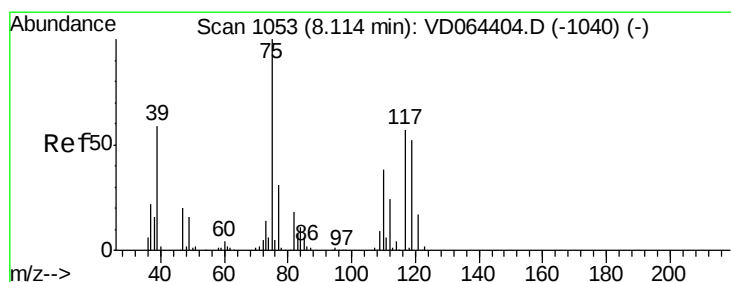
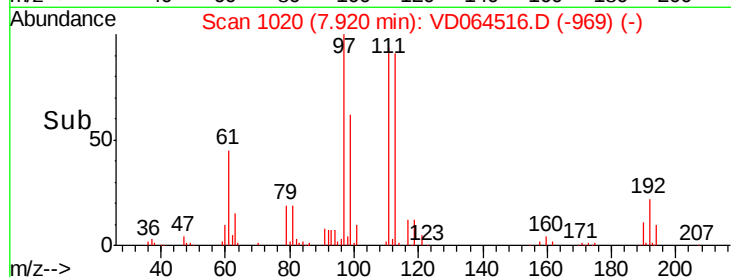
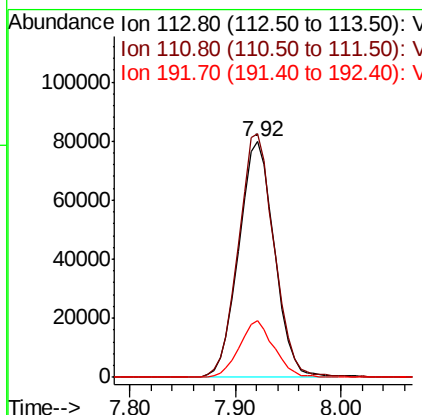
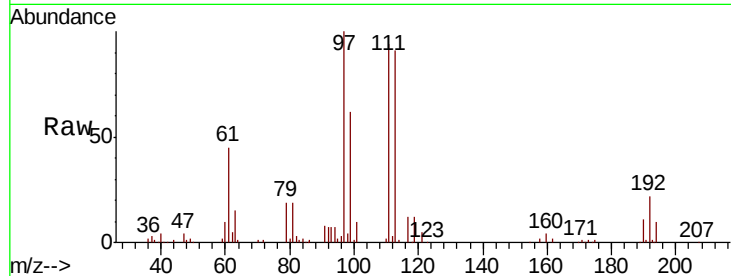
#35
 Dibromofluoromethane
 Concen: 51.488 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.6	79.4	119.2
192	23.2	18.6	28.0

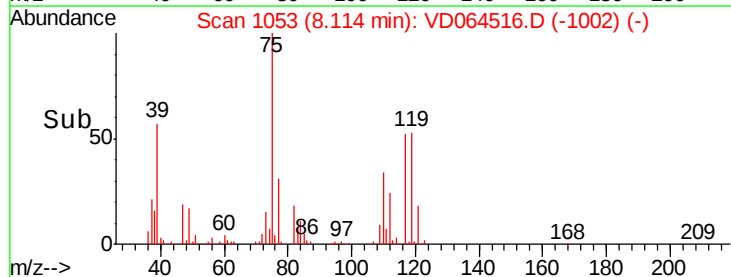
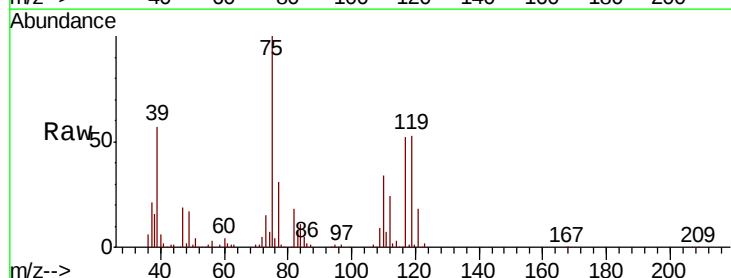
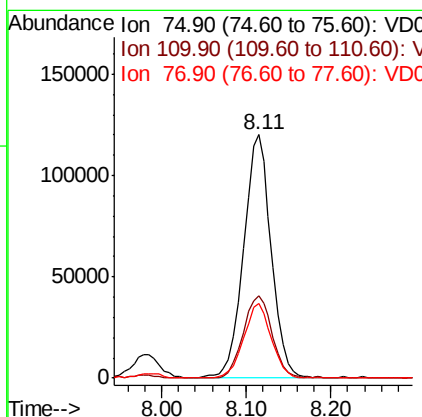
Manual Integrations
 APPROVED

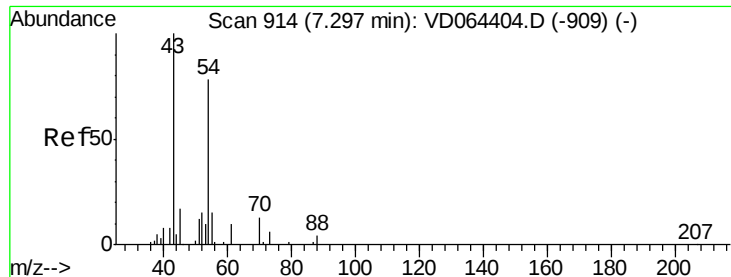
apatel
 12/16/2019 12:16:03 PM



#36
 1,1-Dichloropropene
 Concen: 49.734 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	18.6	55.8
77	31.0	25.0	37.4





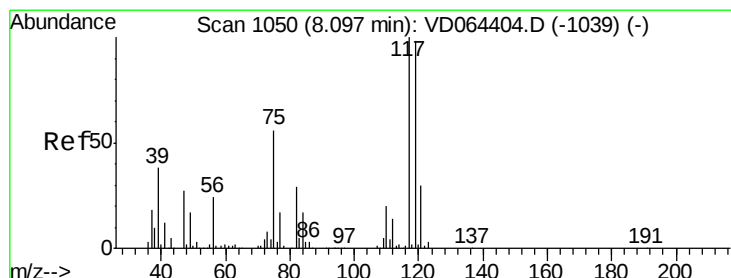
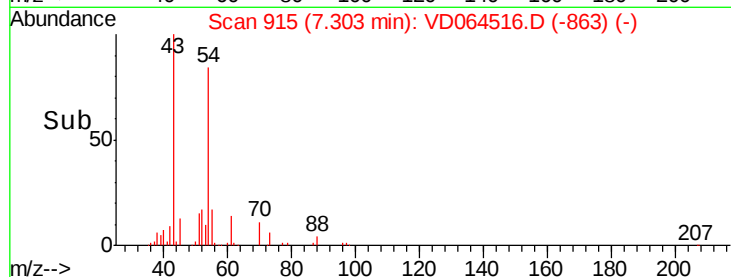
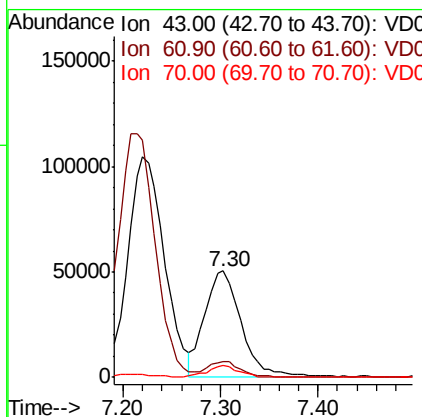
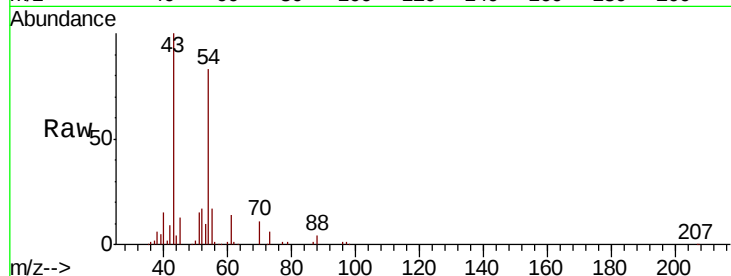
#37
Ethyl Acetate
Concen: 55.653 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.9	16.3
70	10.0	8.3	12.5

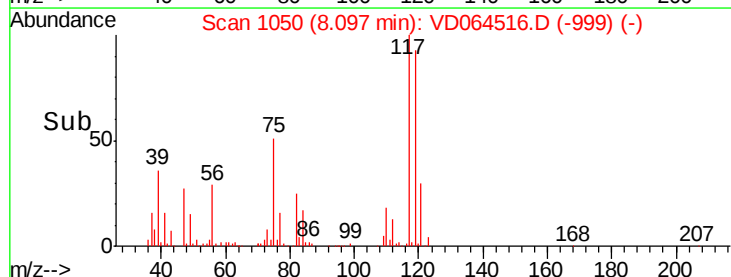
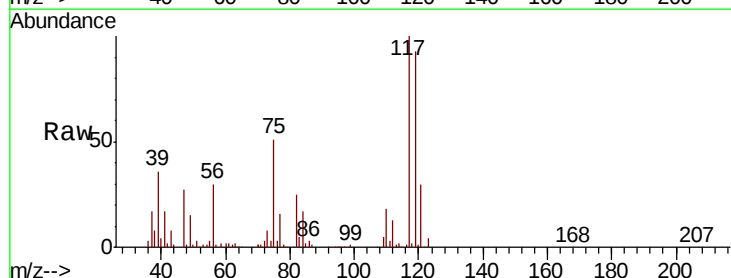
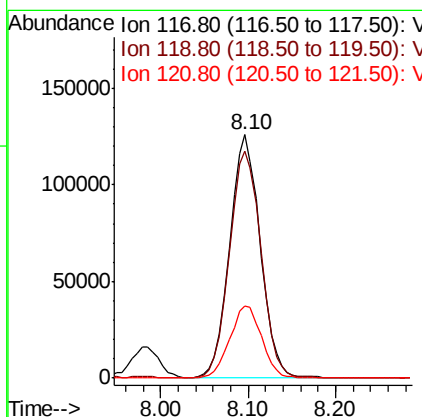
Manual Integrations
APPROVED

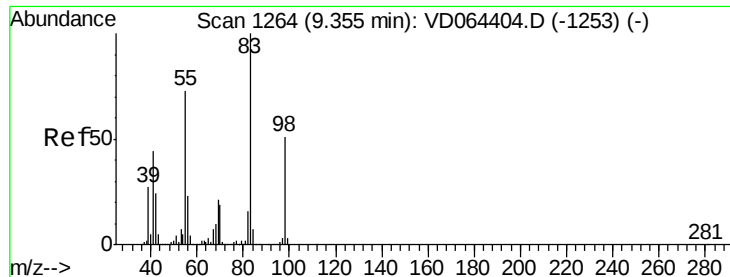
apatel
12/16/2019 12:16:03 PM



#38
Carbon Tetrachloride
Concen: 51.553 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.6	78.8	118.2
121	29.7	24.2	36.2





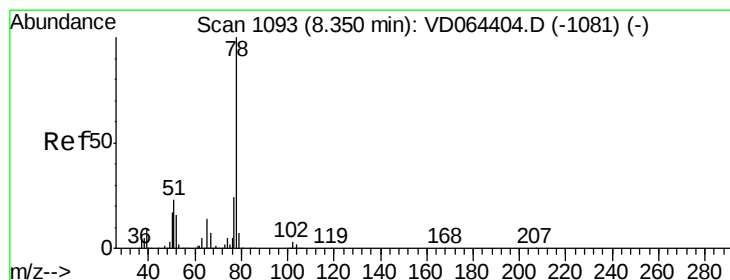
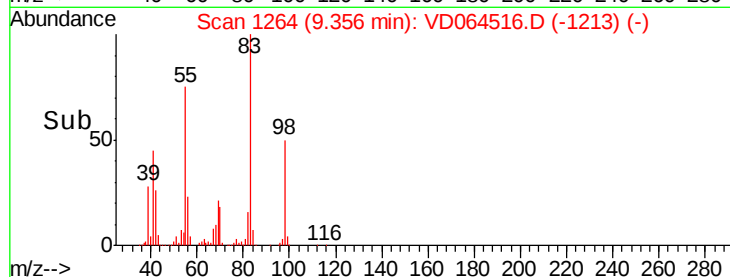
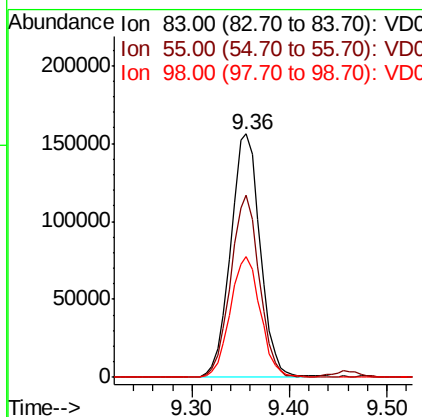
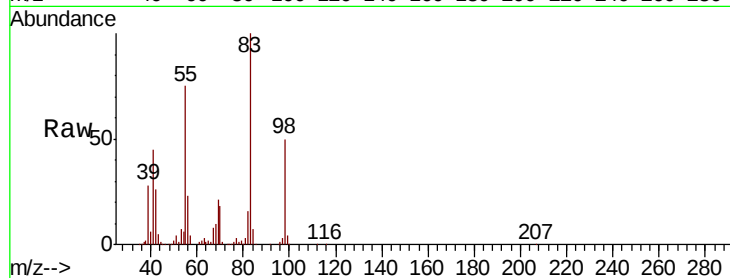
#39
Methvlcvclohexane
Concen: 48.468 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	58.6	87.8
98	49.5	40.9	61.3

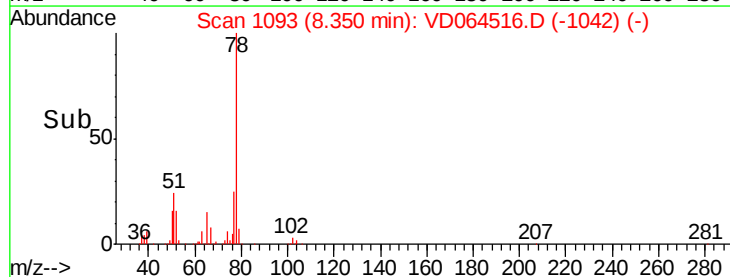
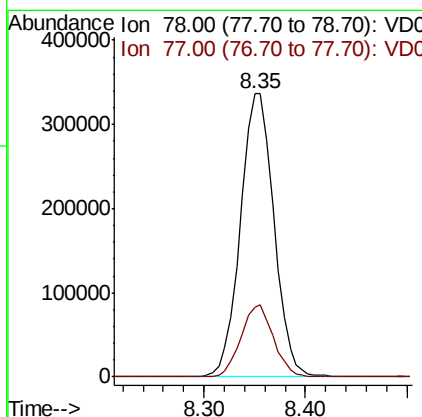
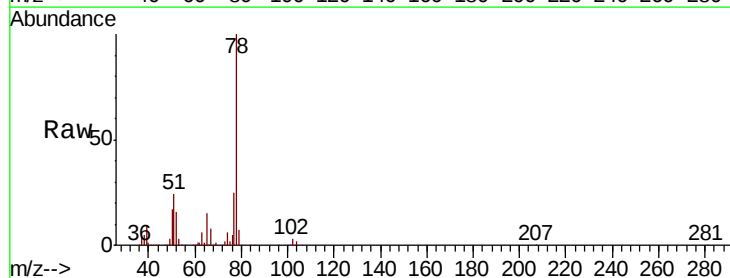
Manual Integrations
APPROVED

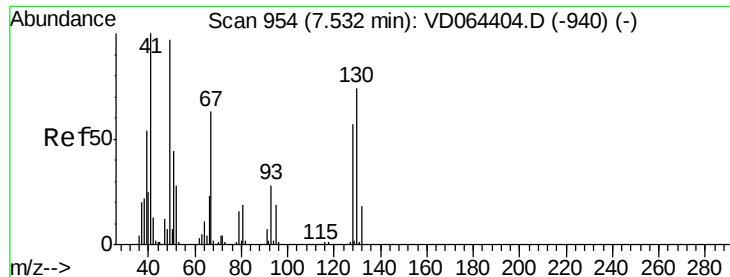
apatel
12/16/2019 12:16:03 PM



#40
Benzene
Concen: 50.904 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.6	29.4





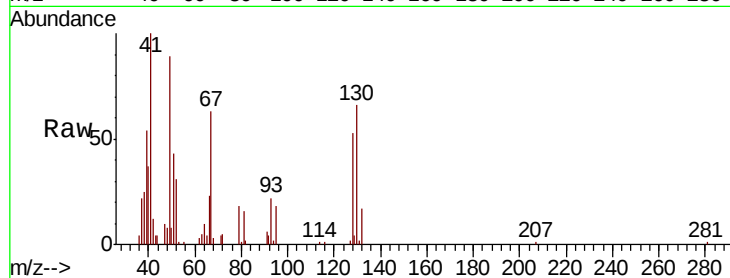
#41
Methacrylonitrile
Concen: 53.204 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

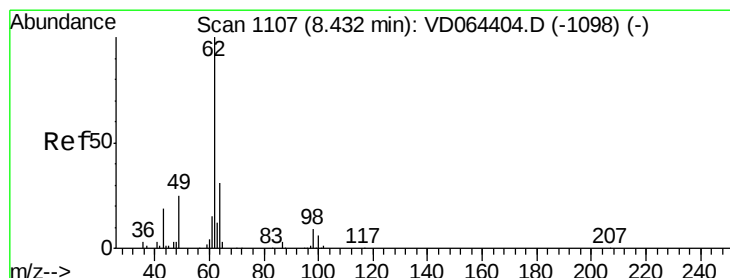
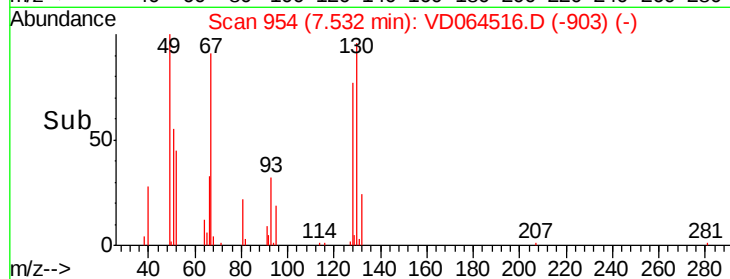
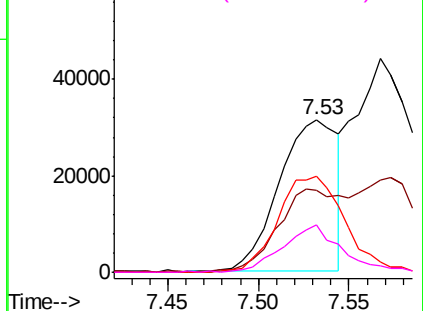
Tot Ion	41	Resp	70680
Ion	Ratio	Lower	Upper
41	100		
39	63.5	44.6	67.0
67	73.0	50.9	76.3
52	32.5	22.5	33.7

Manual Integrations
APPROVED

apatel
12/16/2019 12:16:03 PM

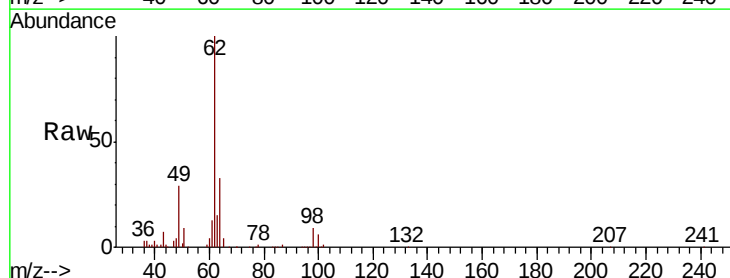


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

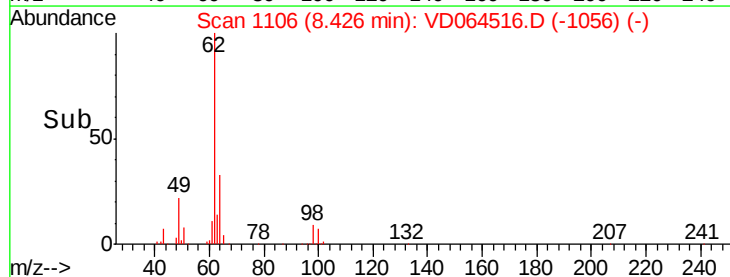
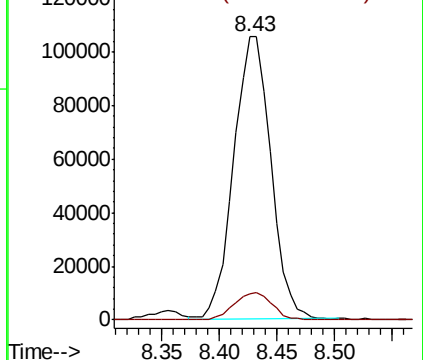


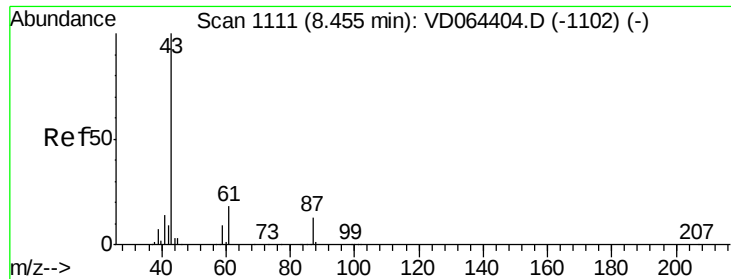
#42
1,2-Dichloroethane
Concen: 53.449 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion	62	Resp	236345
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

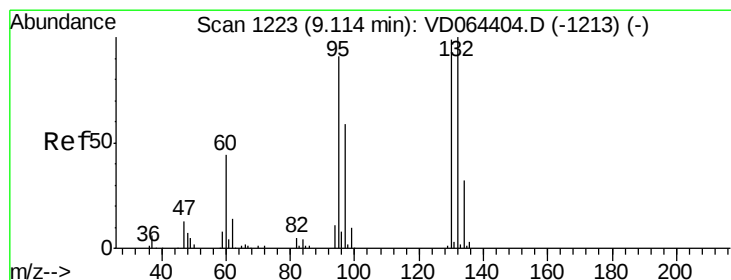
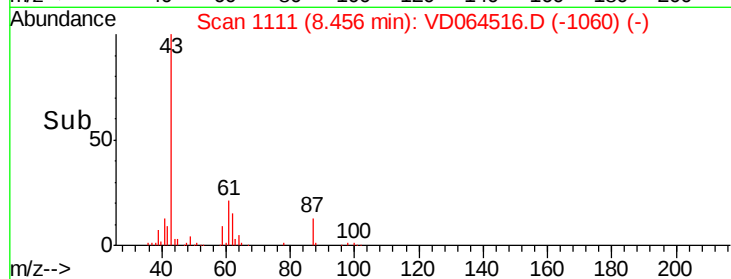
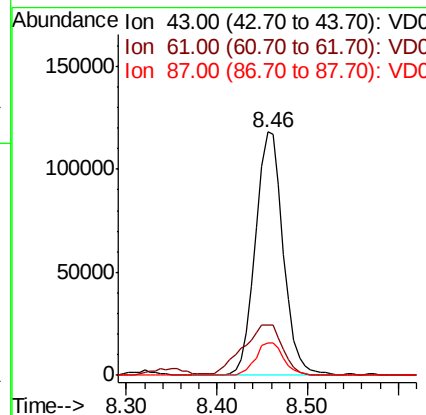
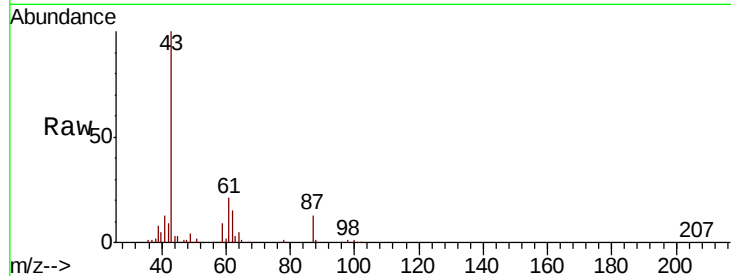
Isopropyl Acetate
 Concen: 55.015 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.0	24.0	36.0
87	13.3	10.6	15.8

Manual Integrations
 APPROVED

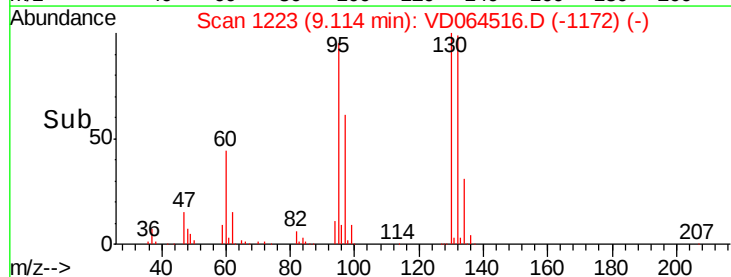
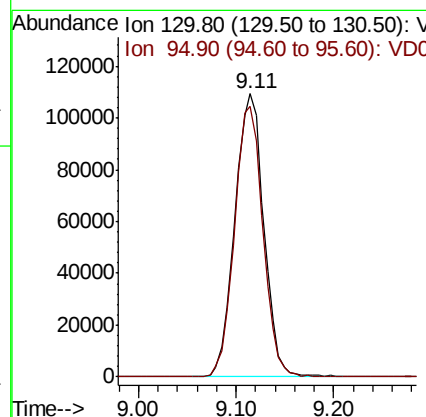
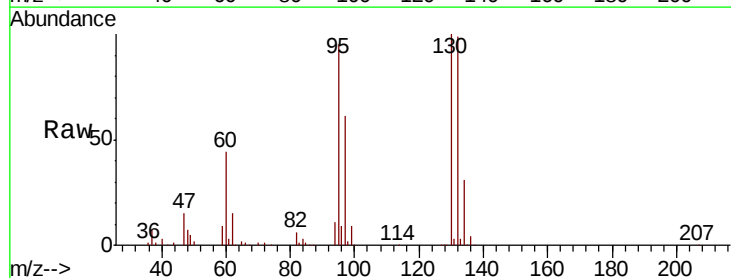
apatel
 12/16/2019 12:16:03 PM

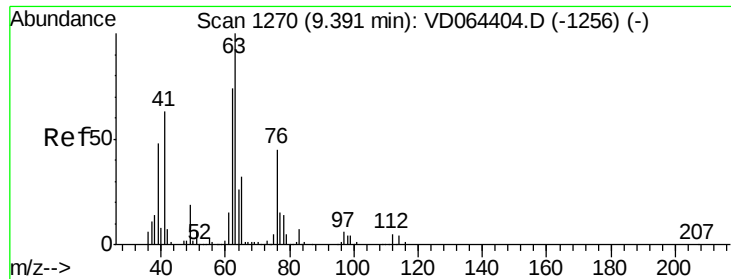


#44

Trichloroethene
 Concen: 49.253 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	184.6





#45

1,2-Dichloropropane

Concen: 53.412 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 193689

Ion Ratio Lower Upper

63 100

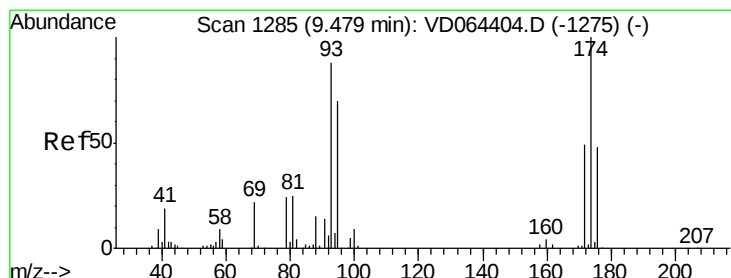
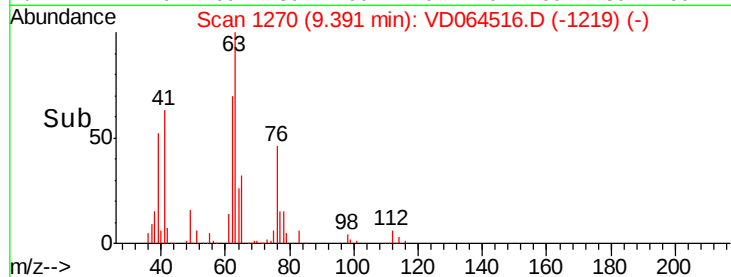
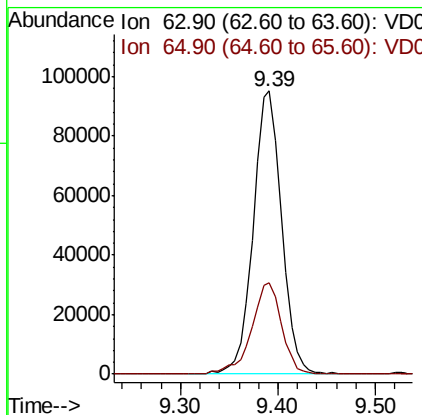
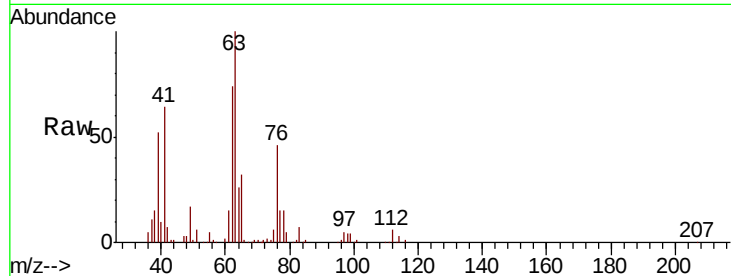
65 32.1 25.4 38.0

Manual Integrations

APPROVED

apatel

12/16/2019 12:16:03 PM



#46

Dibromomethane

Concen: 54.988 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

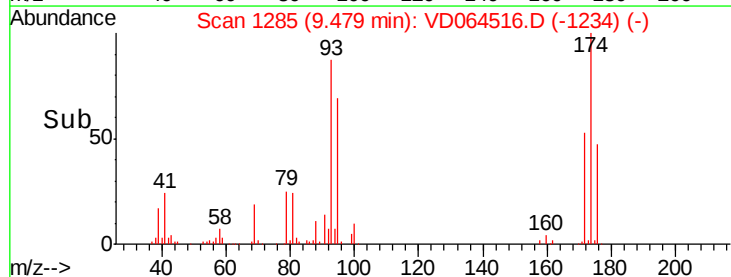
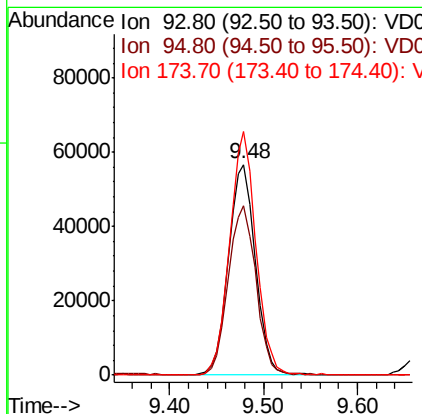
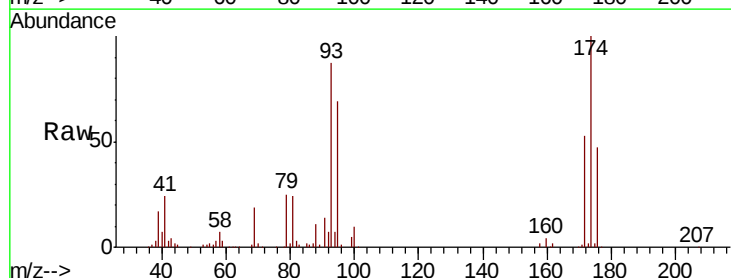
Tgt Ion: 93 Resp: 112544

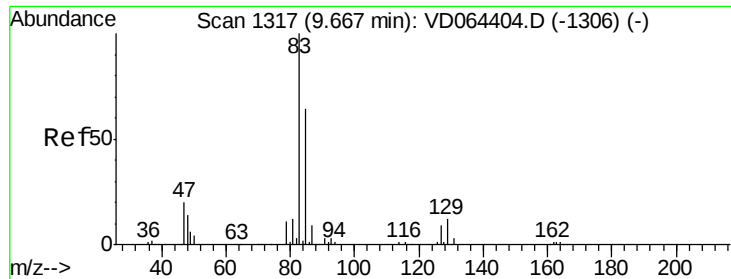
Ion Ratio Lower Upper

93 100

95 83.2 66.7 100.1

174 112.7 92.3 138.5





#47

Bromodichloromethane

Concen: 54.863 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

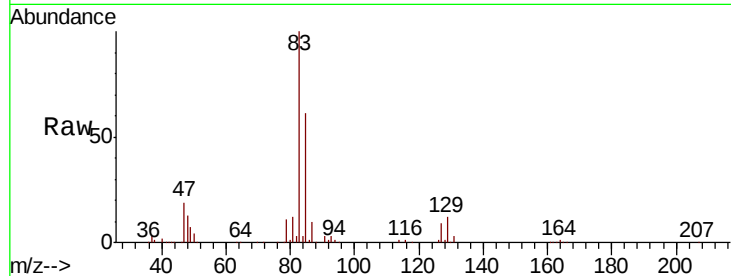
ClientSampleId :

VSTDCCC050EC

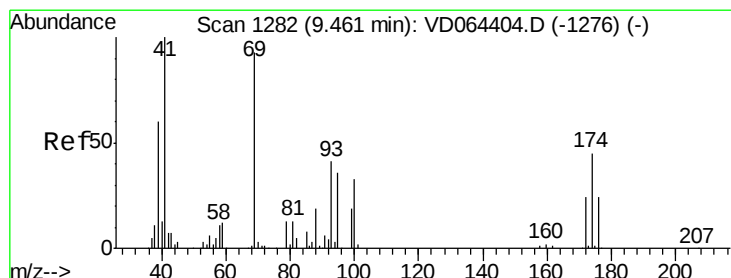
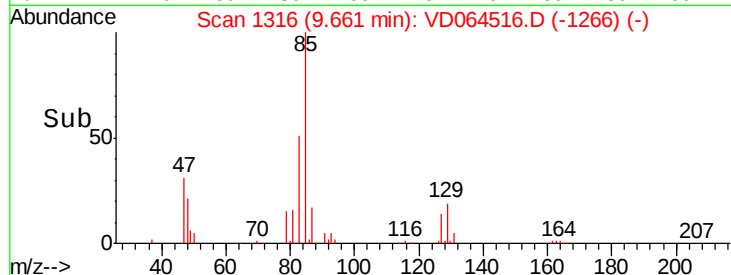
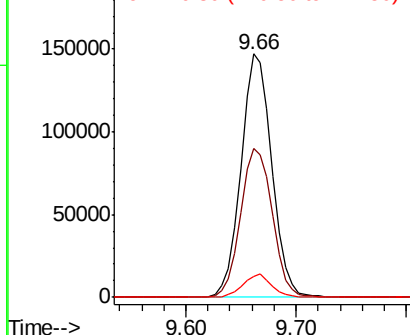
Tot Ion:	83	Resp:	288518
Ion	Ratio	Lower	Upper
83	100		
85	61.1	51.1	76.7
127	8.7	7.4	11.0

Manual Integrations
APPROVED

apatel
12/16/2019 12:16:03 PM



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: 53.343 ug/l

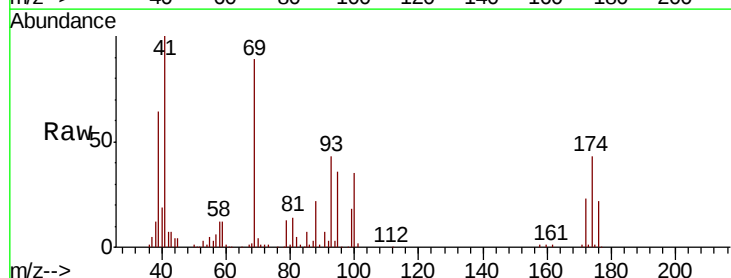
RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

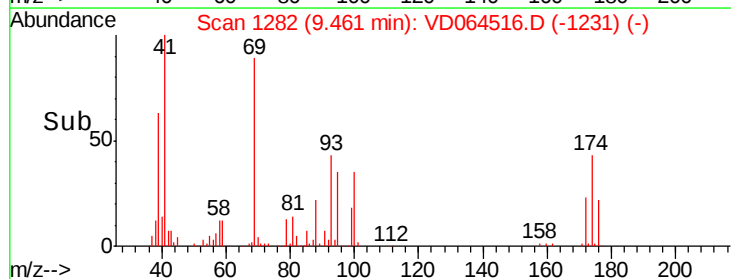
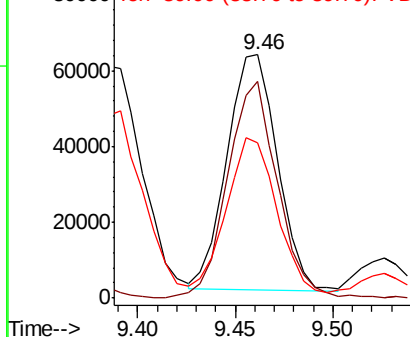
Lab File: VD064516.D

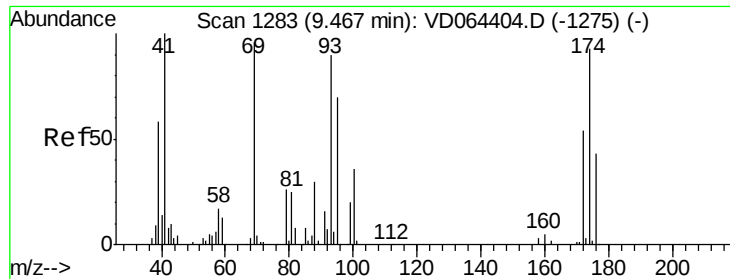
Acq: 13 Dec 2019 19:42

Tgt Ion:	41	Resp:	111177
Ion	Ratio	Lower	Upper
41	100		
69	91.8	72.0	108.0
39	69.8	55.2	82.8



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





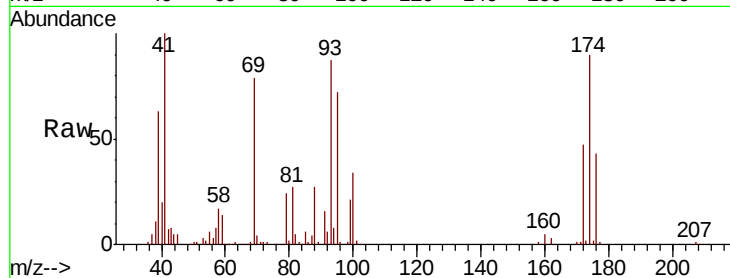
#49
1,4-Dioxane
Concen: 1132.762 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

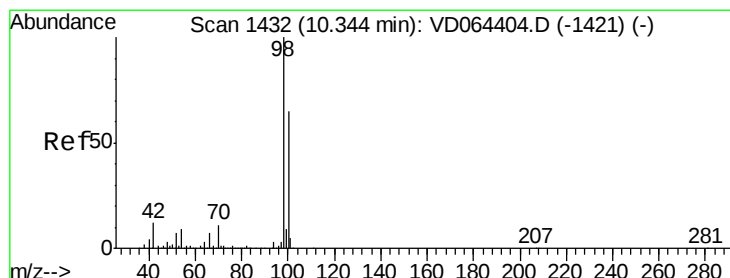
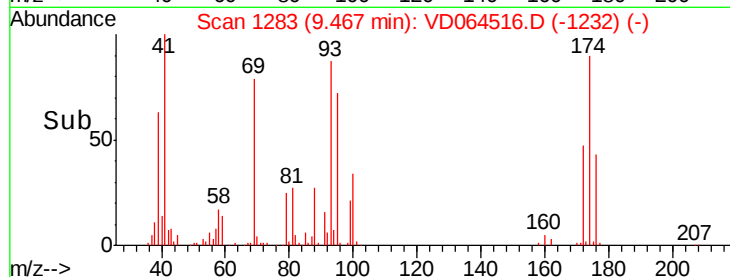
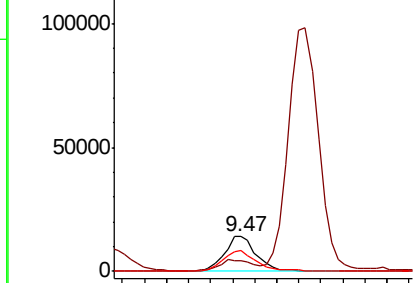
Tot Ion	88	Resp	28629
Ion	Ratio	Lower	Upper
88	100		
43	34.5	26.7	40.1
58	61.3	52.3	78.5

Manual Integrations
APPROVED

apatel
12/16/2019 12:16:03 PM

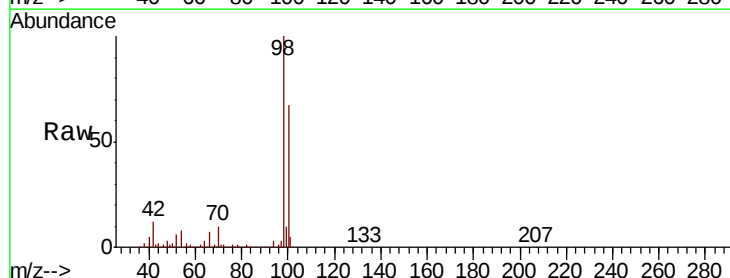


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

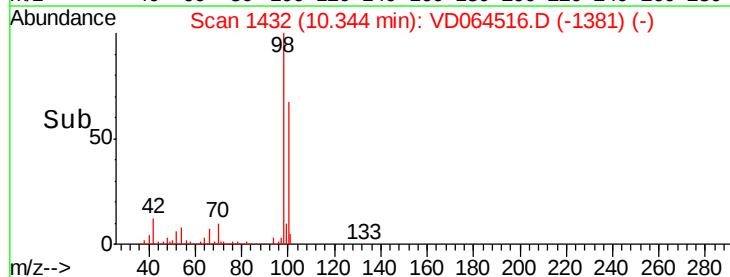
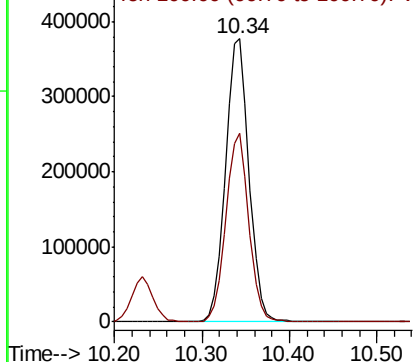


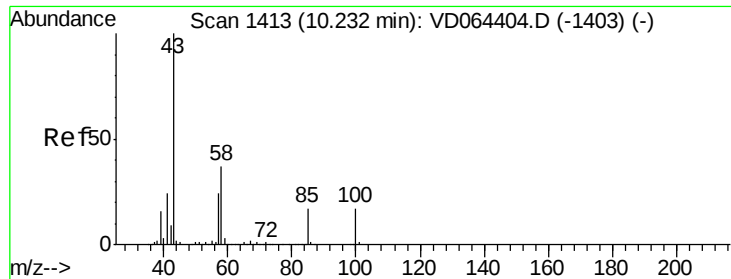
#50
Toluene-d8
Concen: 50.608 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion	98	Resp	693251
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.6	79.0



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 280.111 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 631266

Ion Ratio Lower Upper

43 100

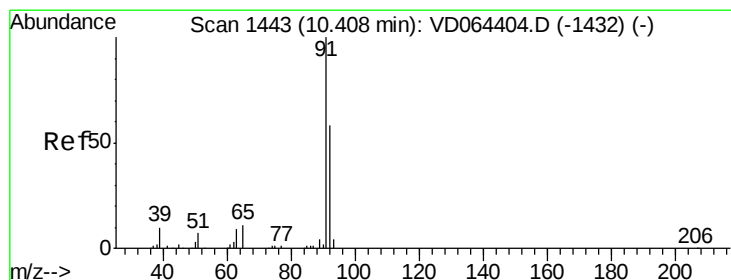
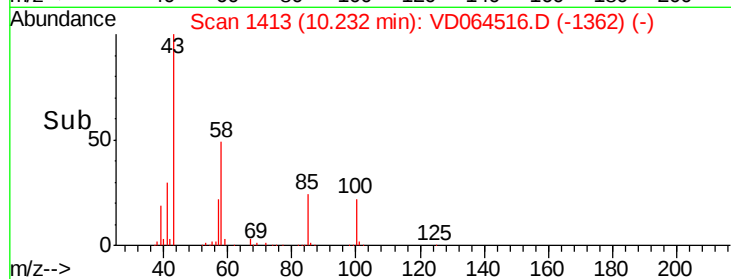
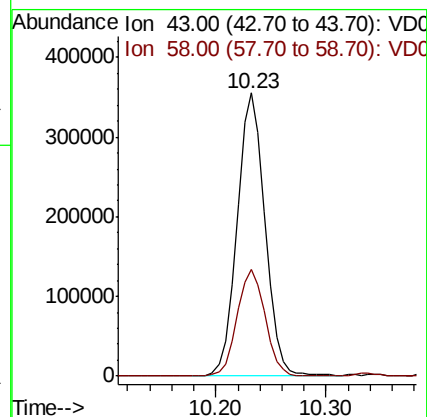
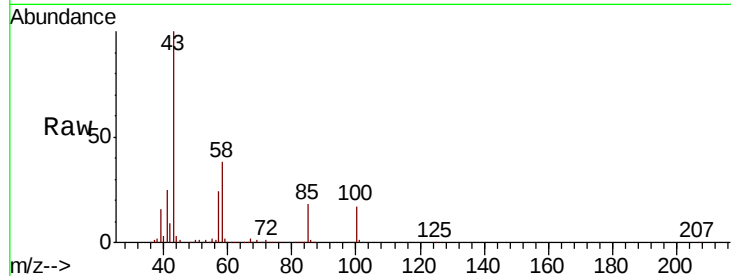
58 37.8 30.6 46.0

Manual Integrations

APPROVED

apatel

12/16/2019 12:16:03 PM



#52

Toluene

Concen: 52.093 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064516.D

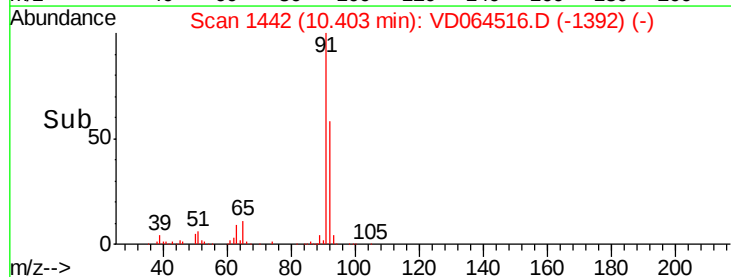
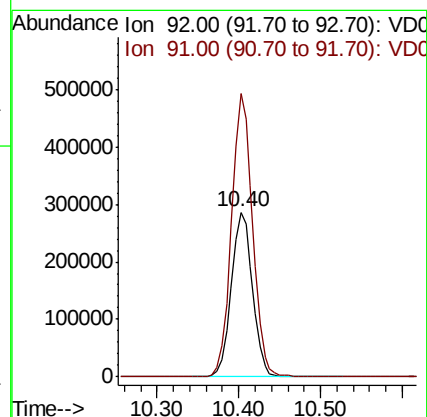
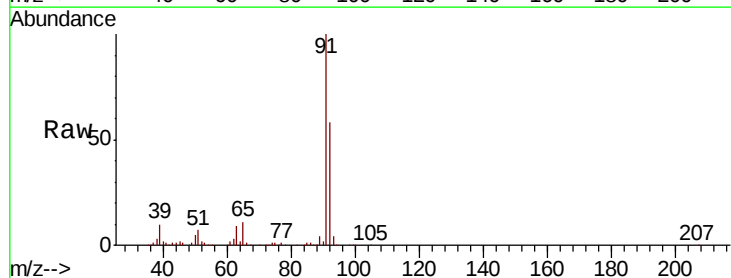
Acq: 13 Dec 2019 19:42

Tgt Ion: 92 Resp: 514772

Ion Ratio Lower Upper

92 100

91 170.5 137.8 206.6





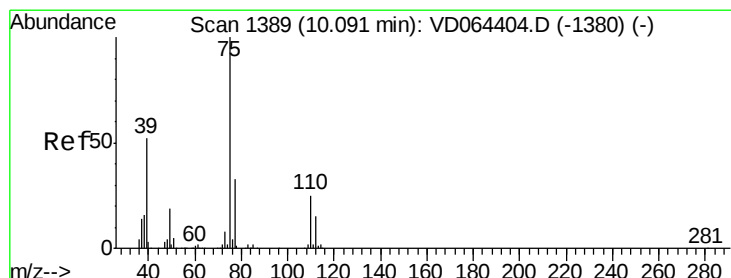
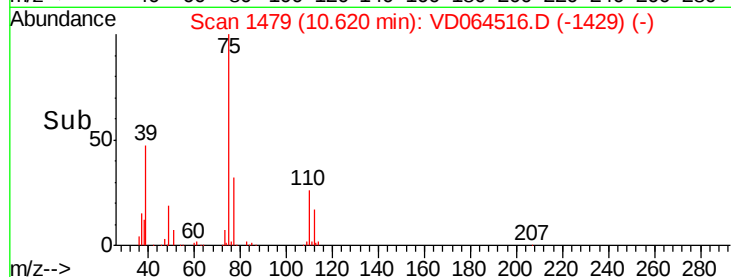
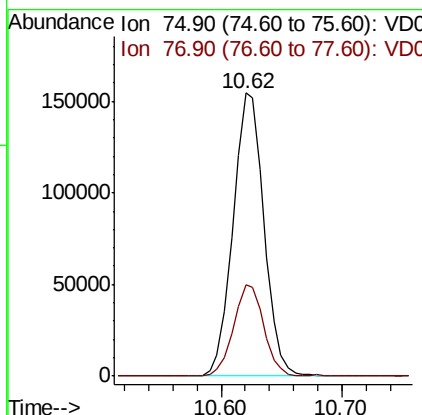
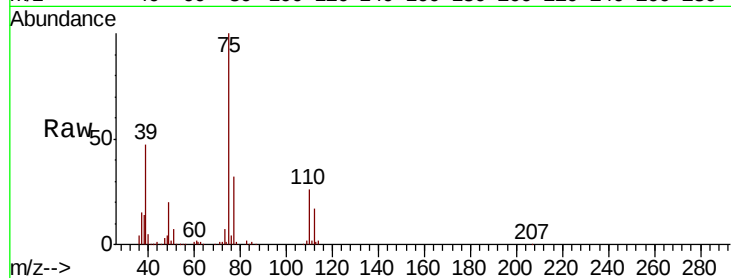
#53
 t-1,3-Dichloropropene
 Concen: 54.908 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.0	37.4

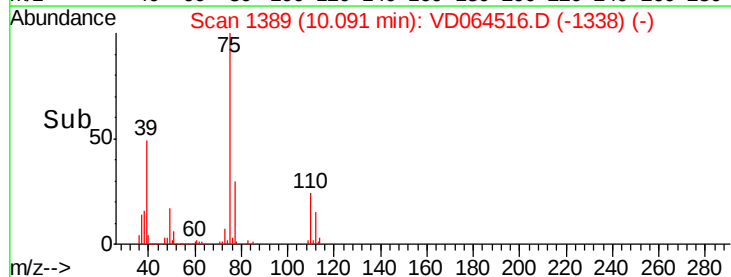
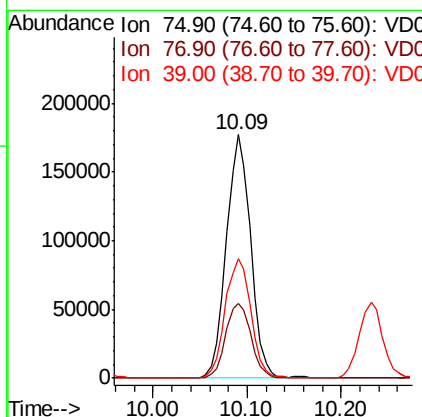
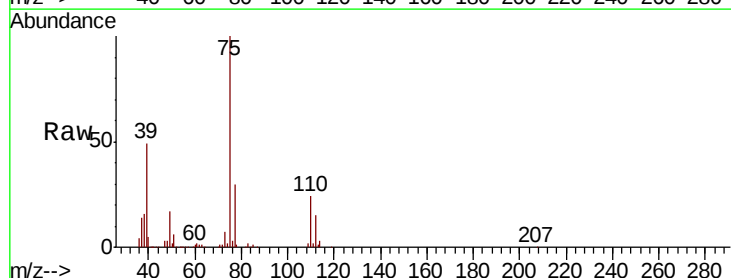
Manual Integrations
 APPROVED

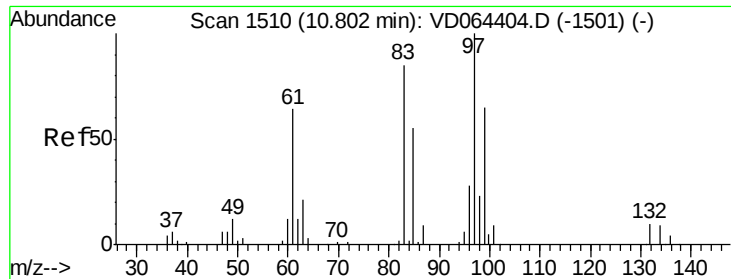
apatel
 12/16/2019 12:16:03 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.598 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	26.1	39.1
39	49.1	41.5	62.3





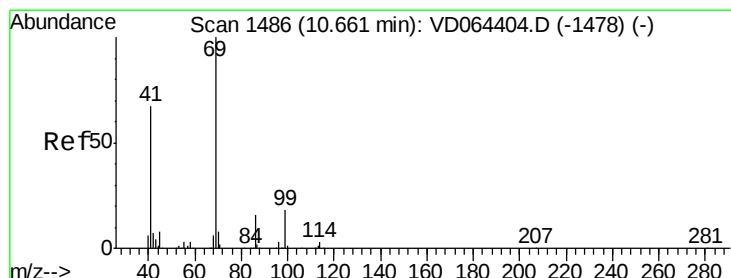
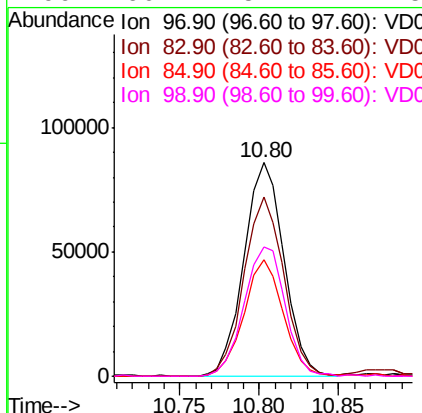
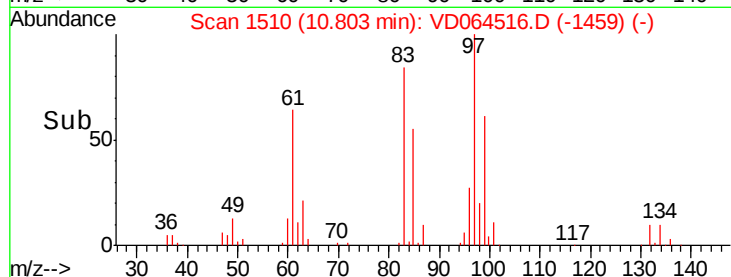
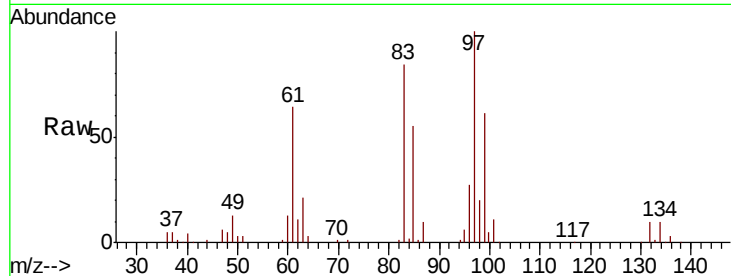
#55
 1,1,2-Trichloroethane
 Concen: 54.156 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.6	67.8	101.8
85	54.5	43.7	65.5
99	60.7	51.7	77.5

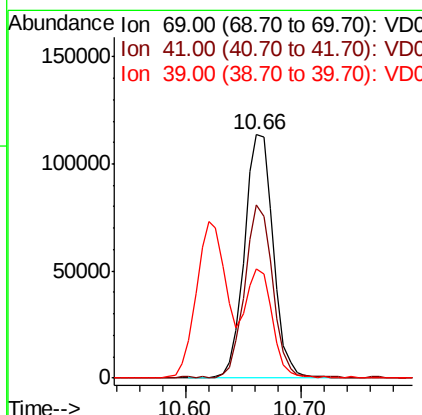
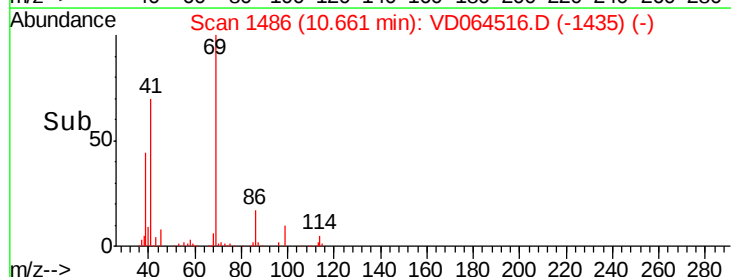
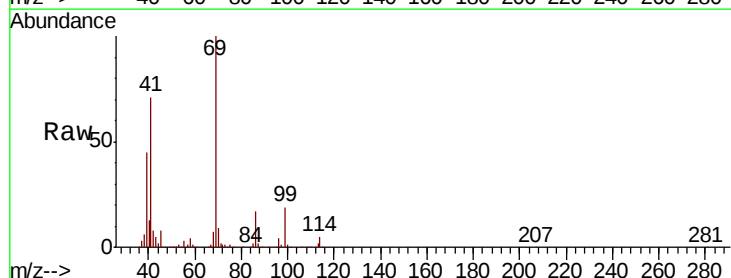
Manual Integrations
 APPROVED

apatel
 12/16/2019 12:16:03 PM



#56
 Ethyl methacrylate
 Concen: 55.082 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
69	100		
41	68.8	55.0	82.4
39	42.0	33.0	49.6





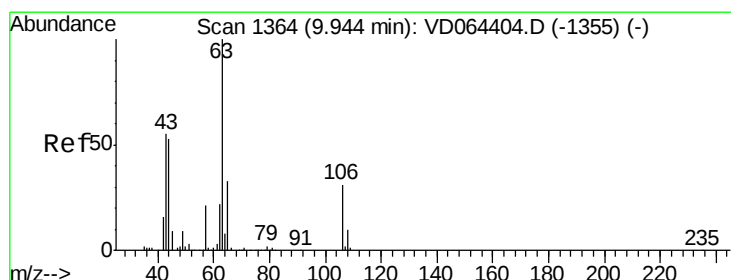
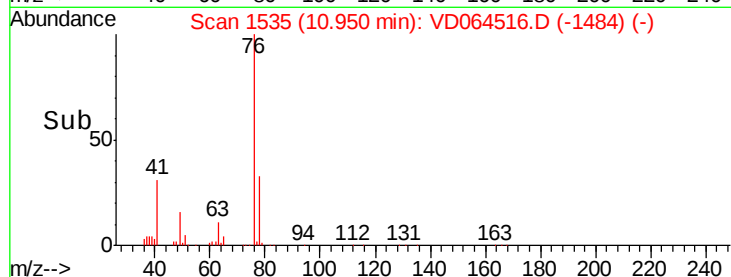
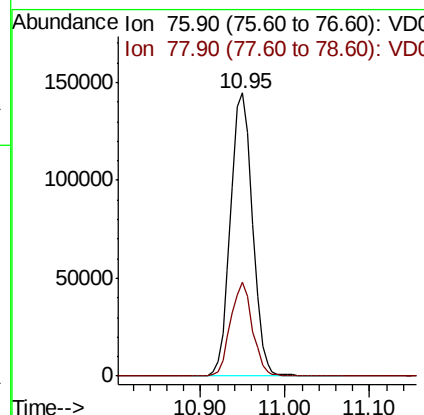
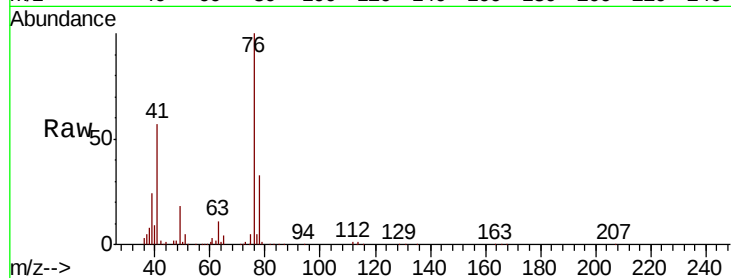
#57
 1,3-Dichloropropane
 Concen: 54.401 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.0	39.0

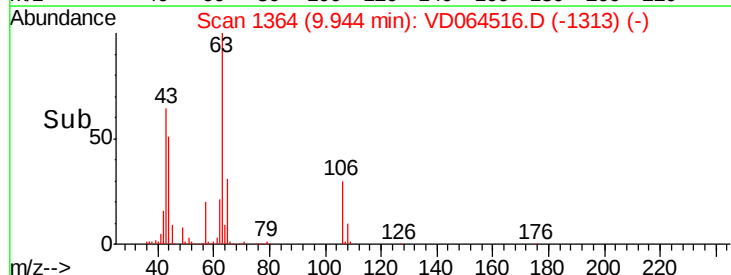
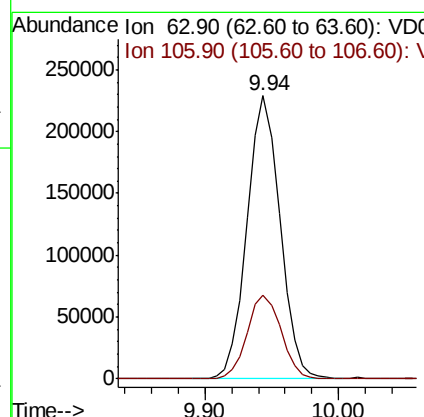
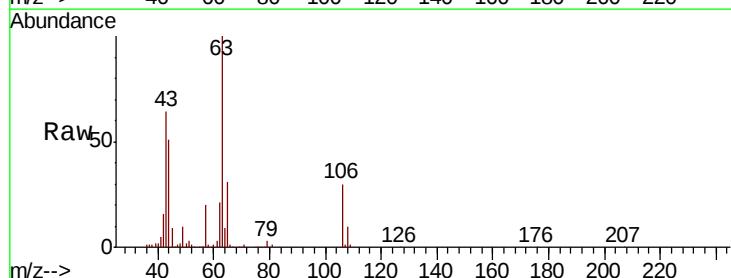
Manual Integrations
 APPROVED

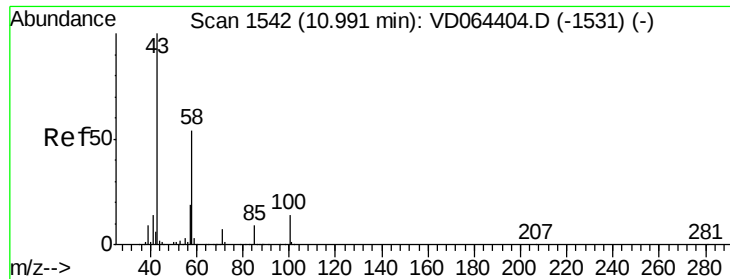
apatel
 12/16/2019 12:16:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 275.126 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	24.2	36.4





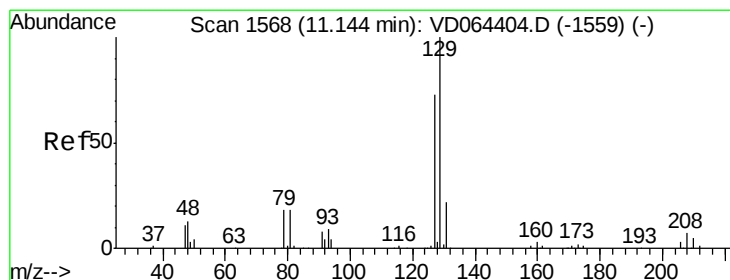
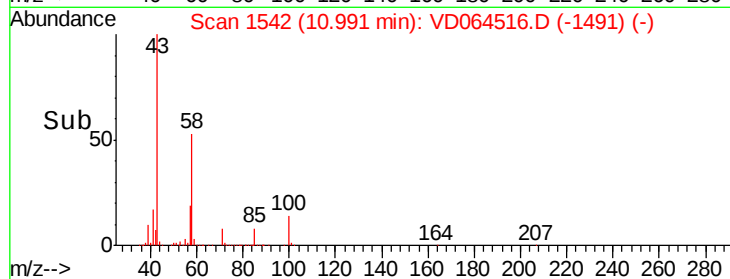
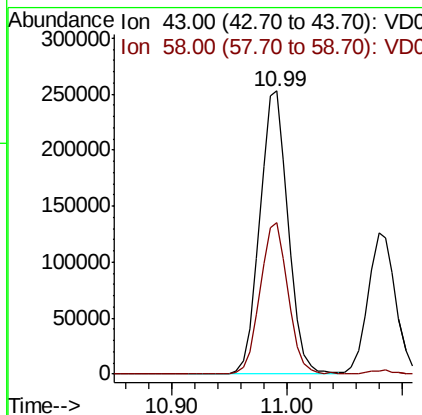
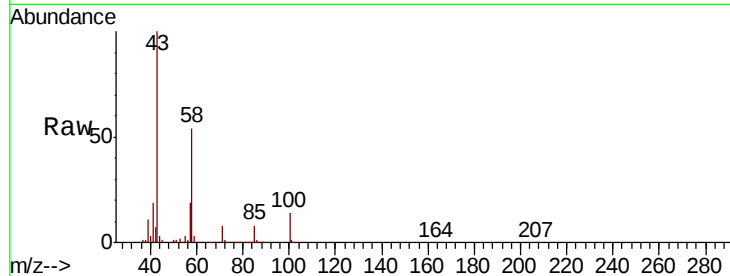
#59
2-Hexanone
Concen: 277.371 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.6	26.3	78.8

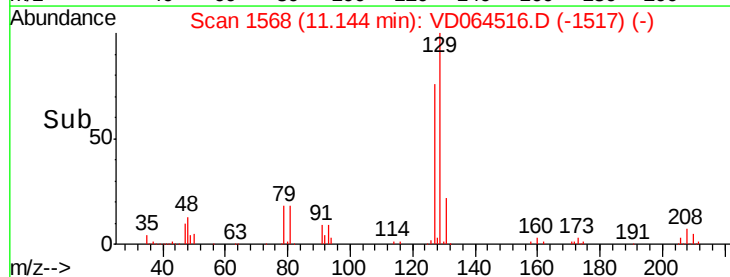
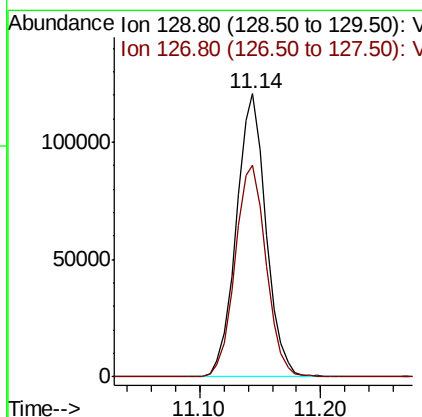
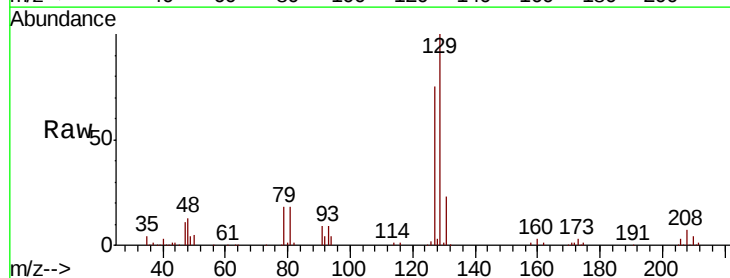
Manual Integrations
APPROVED

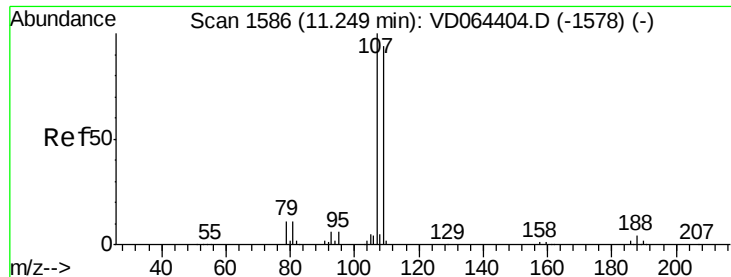
apatel
12/16/2019 12:16:03 PM



#60
Dibromochloromethane
Concen: 54.555 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.0	38.1	114.3





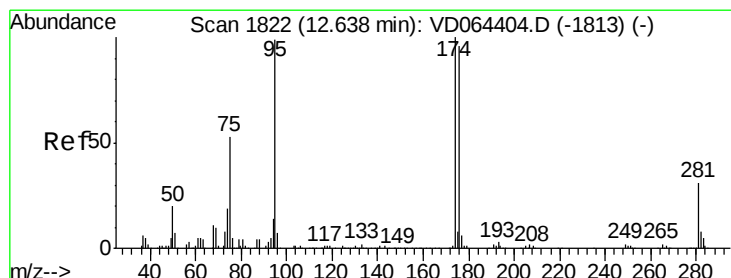
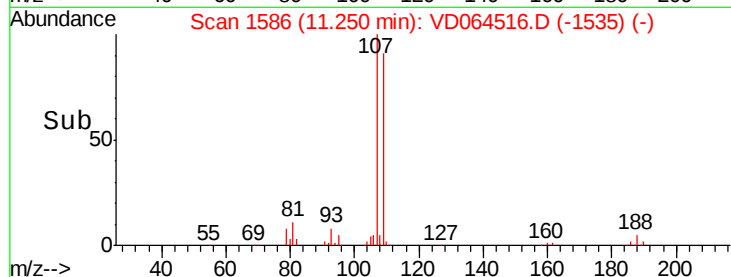
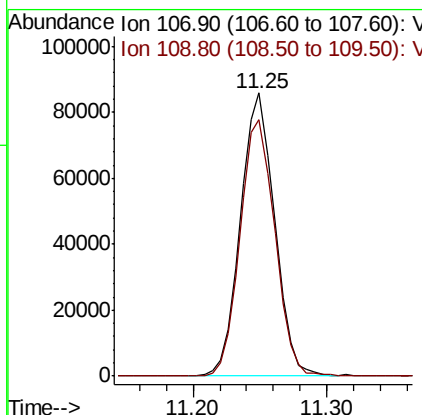
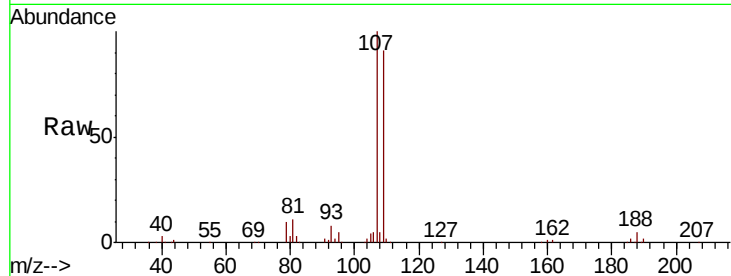
#61
 1,2-Dibromoethane
 Concen: 54.274 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	76.2	114.2

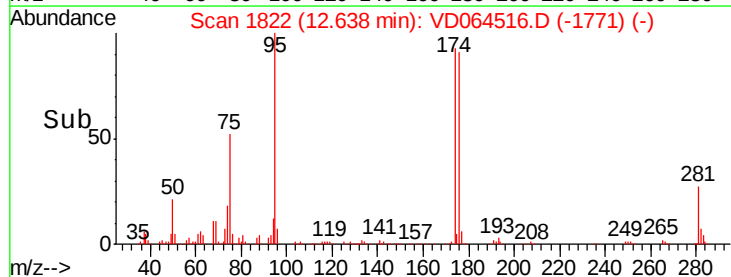
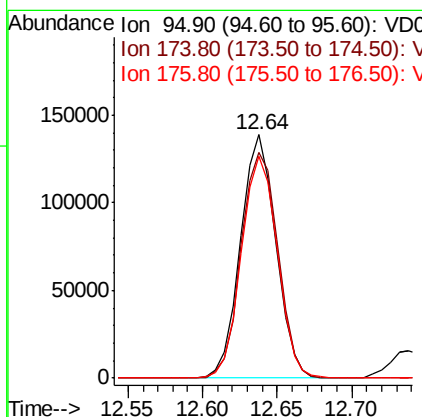
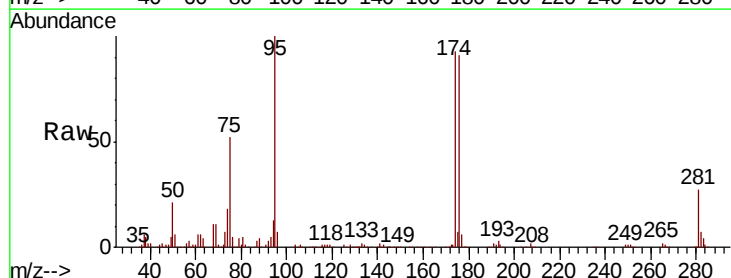
Manual Integrations
 APPROVED

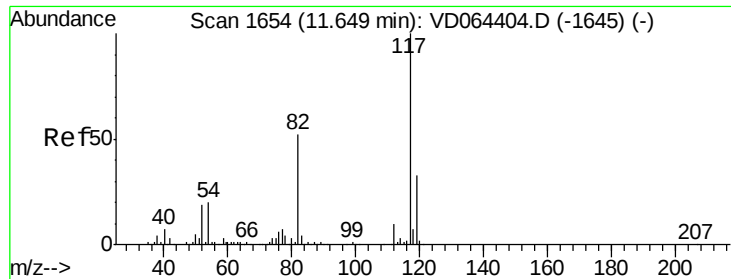
apatel
 12/16/2019 12:16:03 PM



#62
 4-Bromofluorobenzene
 Concen: 51.663 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.8	0.0	197.2
176	92.9	0.0	189.6





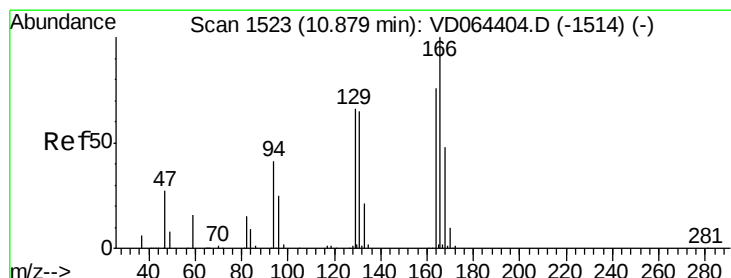
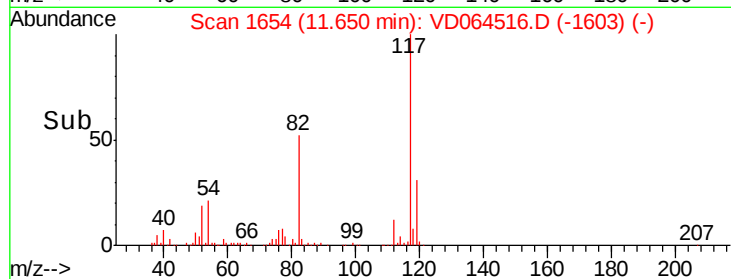
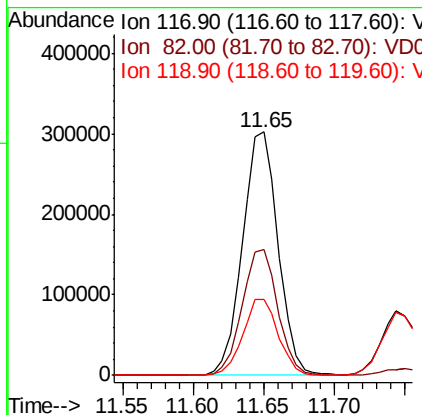
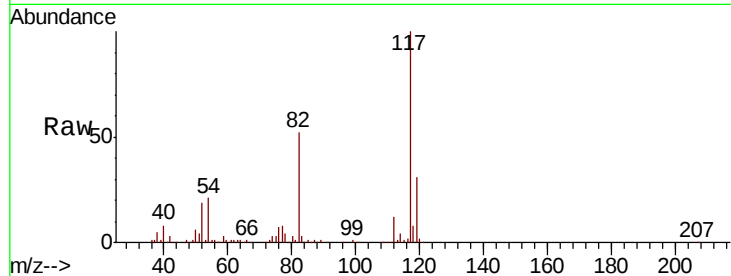
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.4	62.2
119	31.4	26.2	39.2

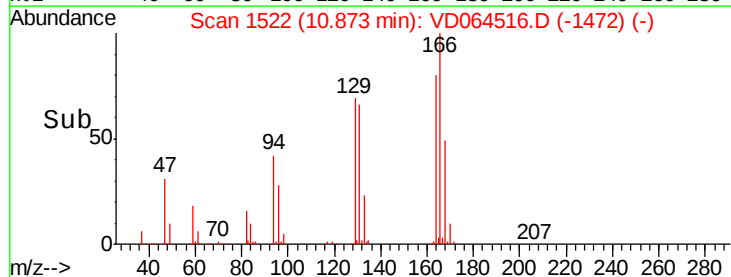
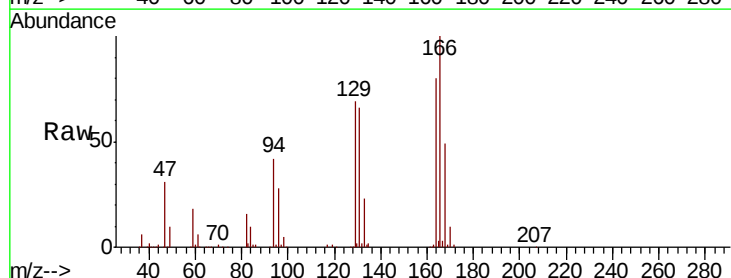
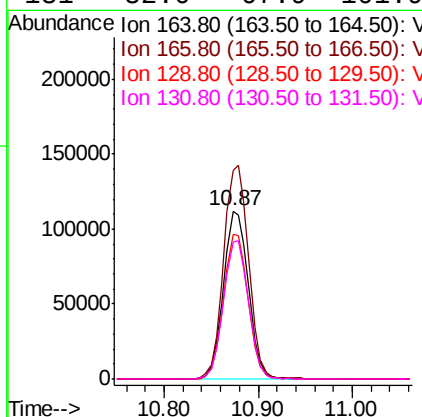
Manual Integrations
APPROVED

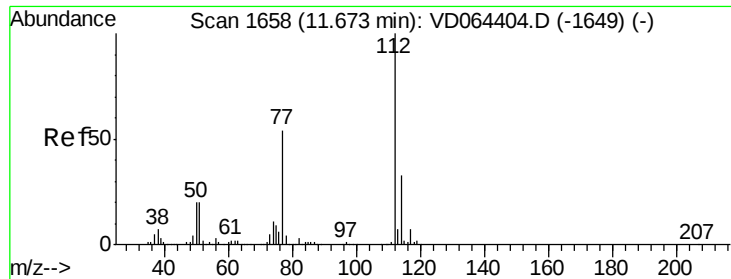
apatel
12/16/2019 12:16:03 PM



#64
Tetrachloroethene
Concen: 50.625 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	104.8	157.2
129	85.9	68.7	103.1
131	82.0	67.9	101.9





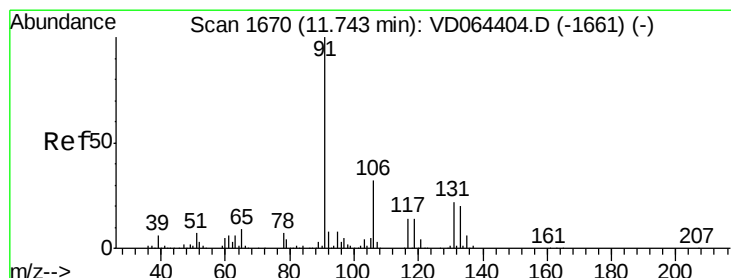
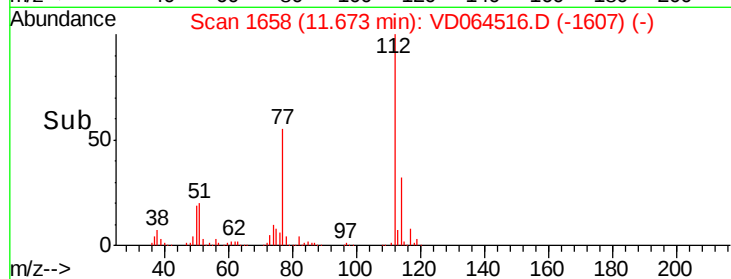
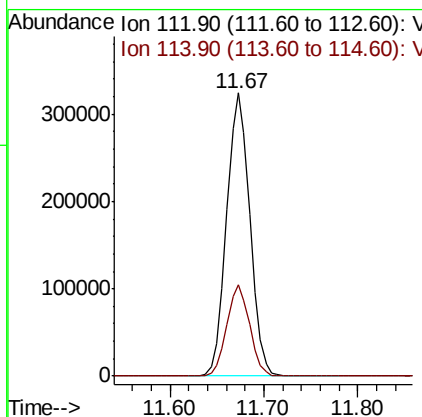
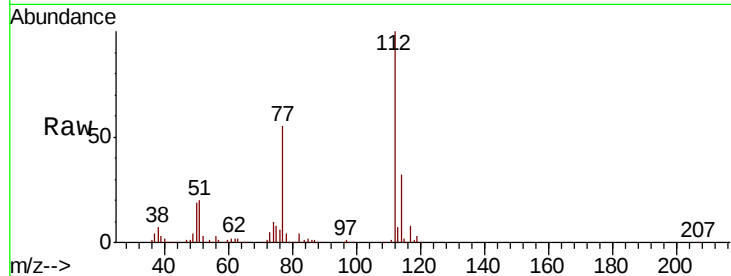
#65
Chlorobenzene
Concen: 50.037 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	26.5	39.7

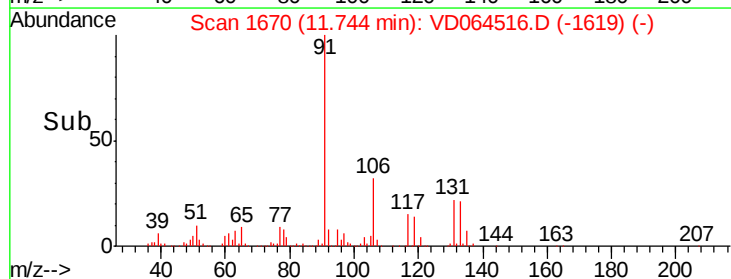
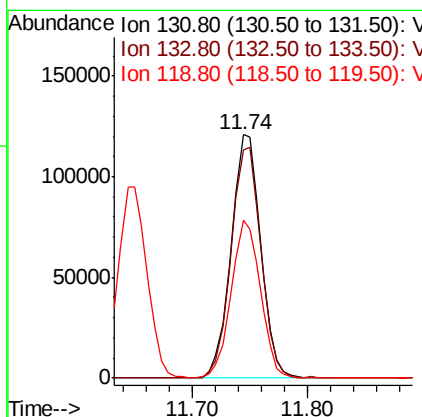
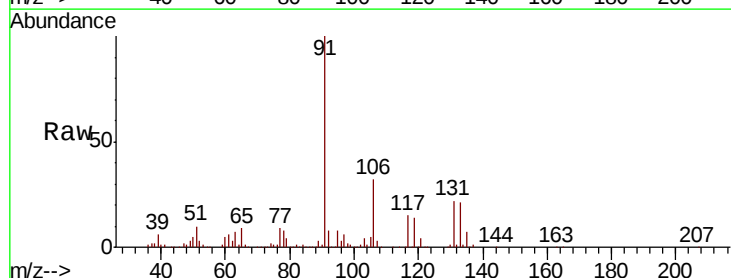
Manual Integrations
APPROVED

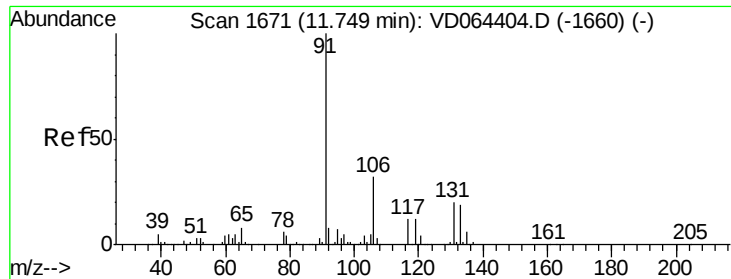
apatel
12/16/2019 12:16:03 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.051 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	48.3	144.9
119	64.3	31.9	95.9





#67

Ethyl Benzene

Concen: 48.872 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 967289

Ion Ratio Lower Upper

91 100

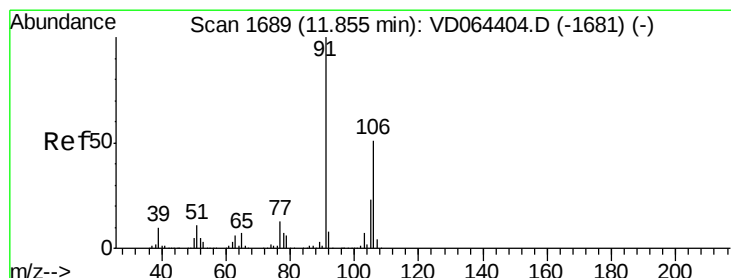
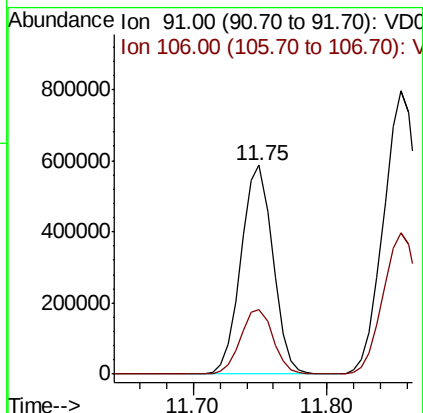
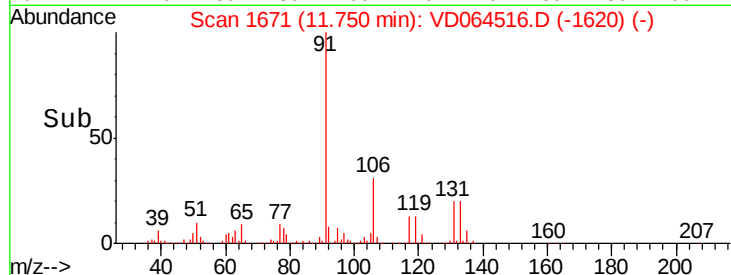
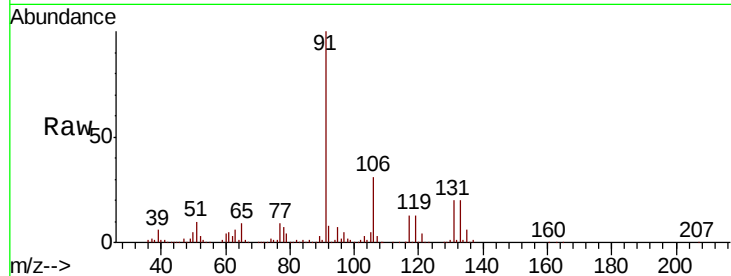
106 31.0 25.8 38.8

Manual Integrations

APPROVED

apatel

12/16/2019 12:16:03 PM



#68

m/p-Xylenes

Concen: 99.742 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064516.D

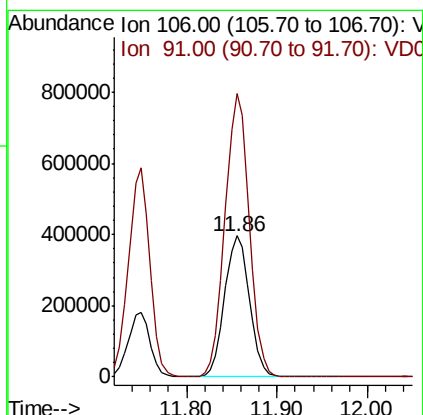
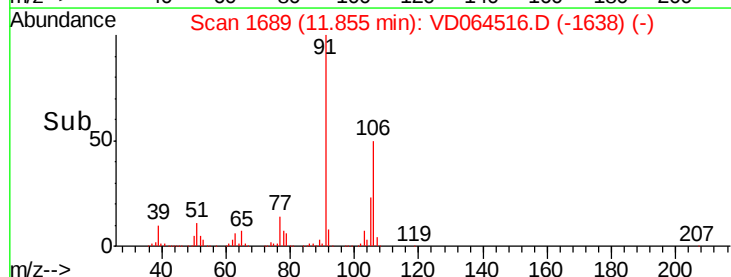
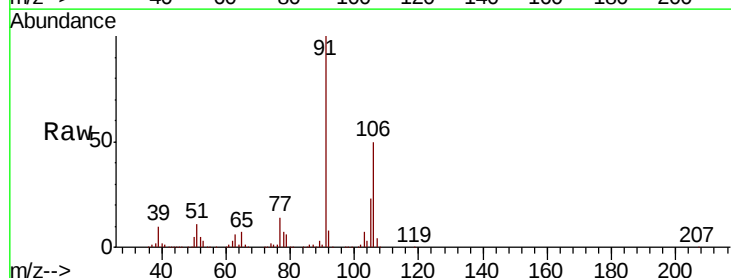
Acq: 13 Dec 2019 19:42

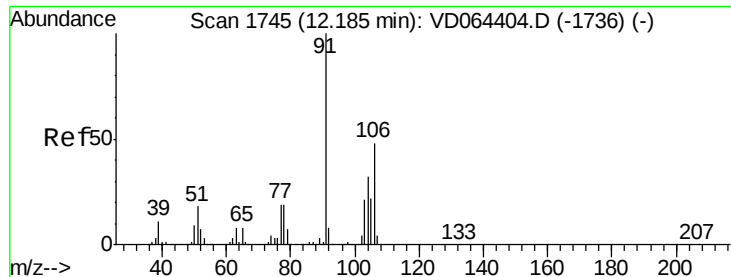
Tgt Ion: 106 Resp: 752715

Ion Ratio Lower Upper

106 100

91 196.9 157.4 236.2





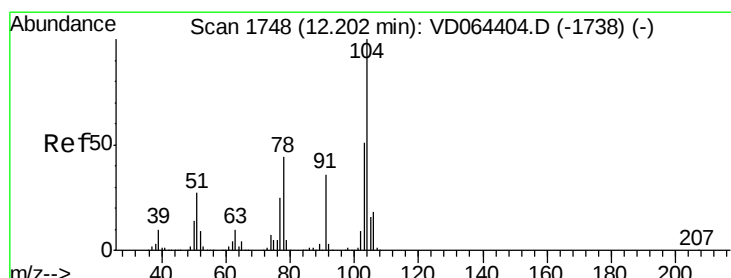
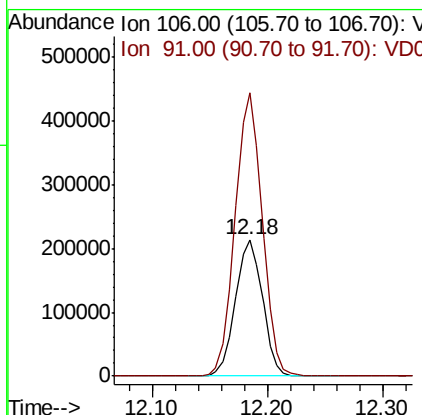
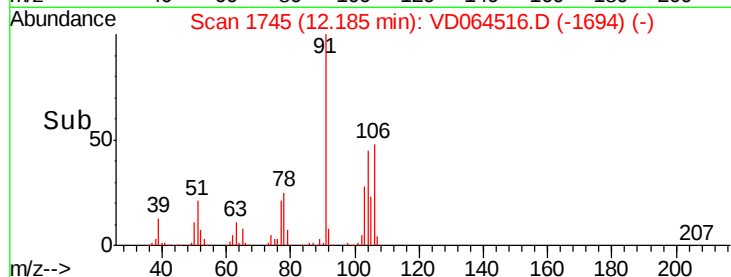
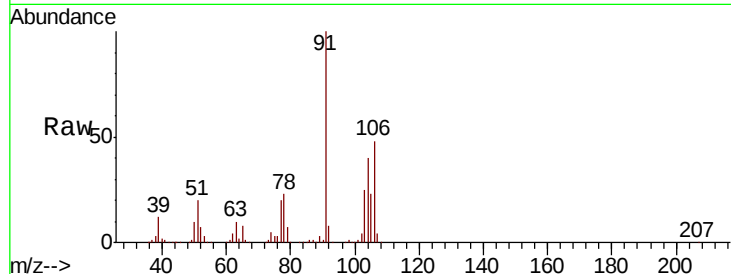
#69
o-Xylene
Concen: 49.619 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.5	103.8	311.4

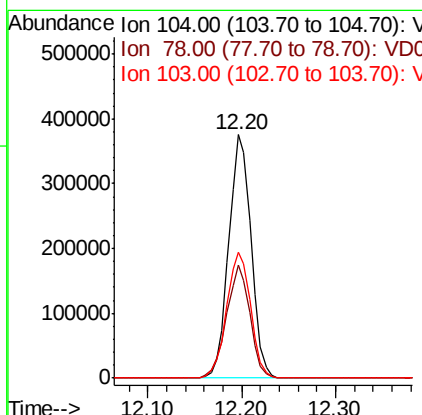
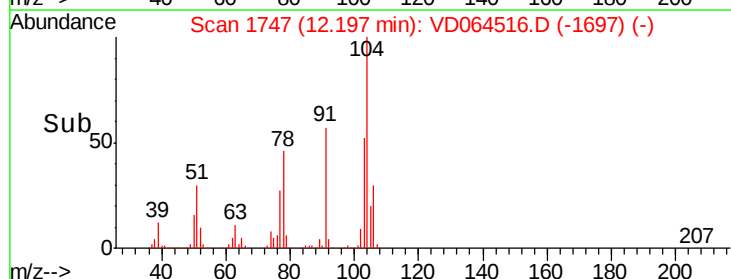
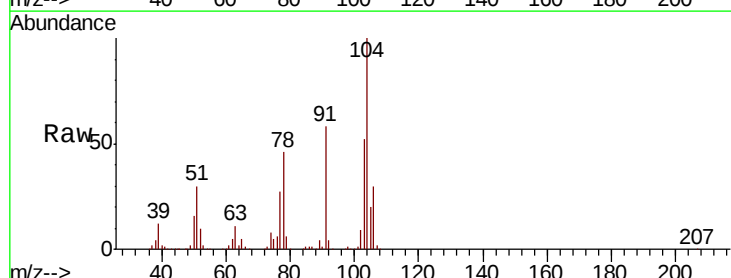
Manual Integrations
APPROVED

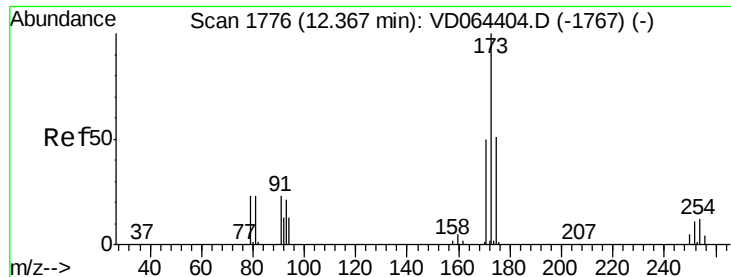
apatel
12/16/2019 12:16:03 PM



#70
Styrene
Concen: 51.177 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.6	38.8	58.2
103	55.4	44.2	66.4





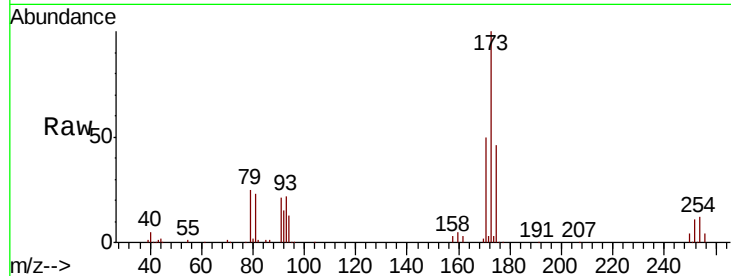
#71
Bromoform
Concen: 52.190 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	25.3	75.8
254	0.1	0.0	0.0

Manual Integrations
APPROVED

apatel
12/16/2019 12:16:03 PM

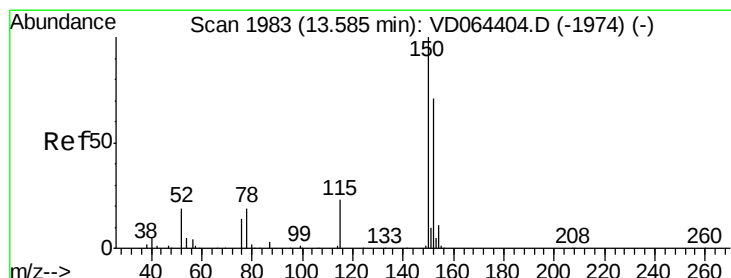
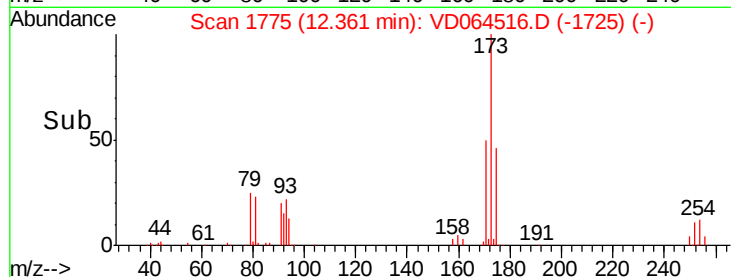
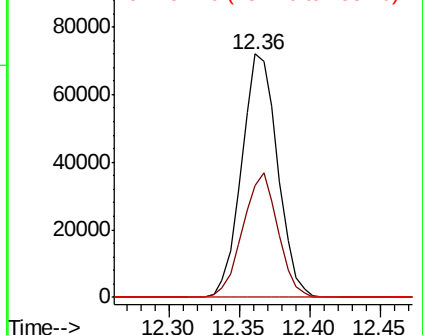


Abundance

Ion 172.70 (172.40 to 173.40): V

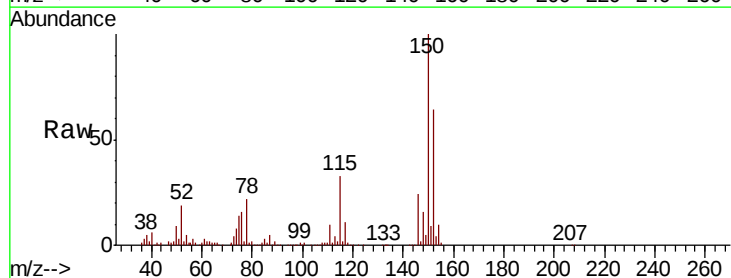
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	26.7	80.1
150	173.8	0.0	347.2

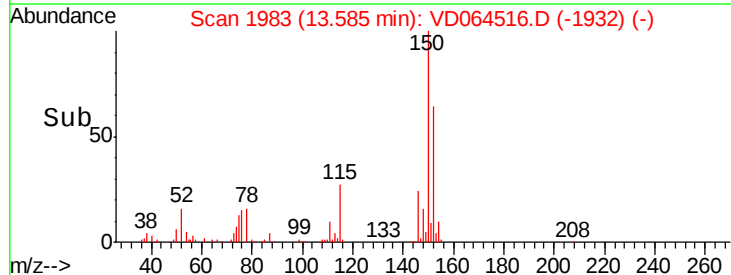
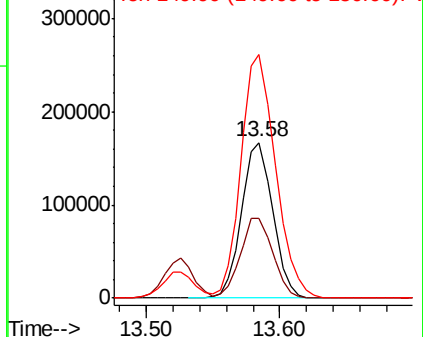


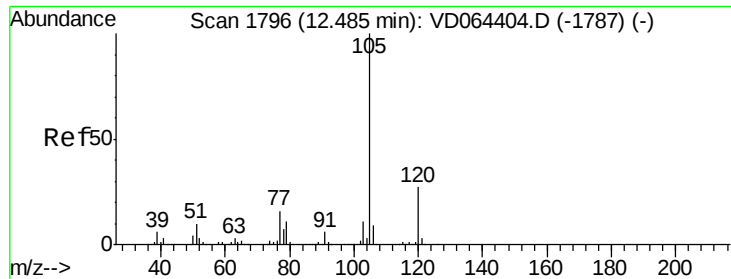
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.118 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 929275

Ion Ratio Lower Upper

105 100

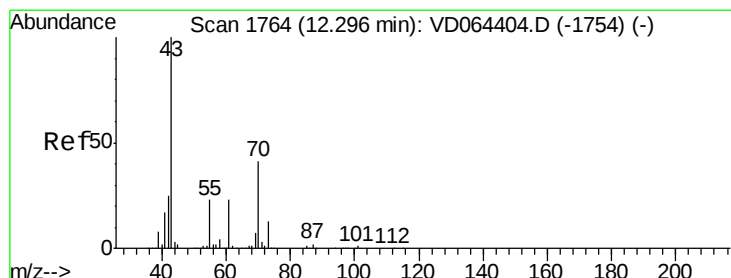
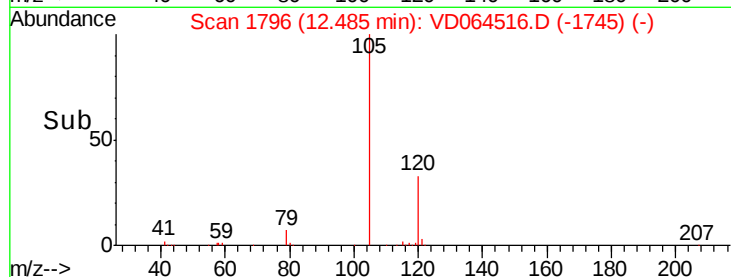
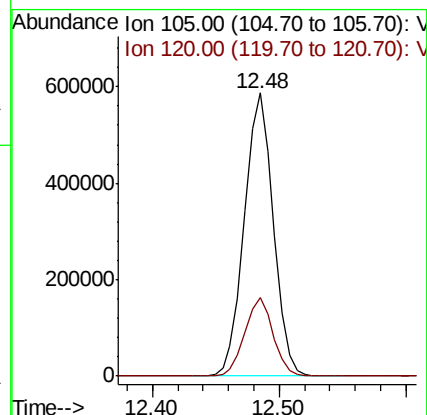
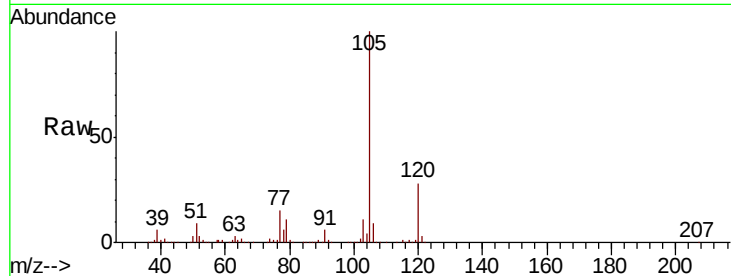
120 27.0 13.4 40.2

Manual Integrations

APPROVED

apatel

12/16/2019 12:16:03 PM



#74

N-ethyl acetate

Concen: 52.349 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Tgt Ion: 43 Resp: 229454

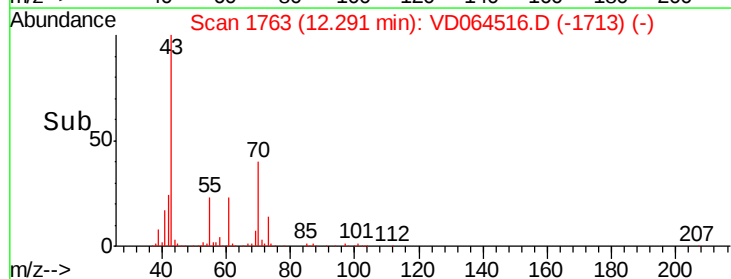
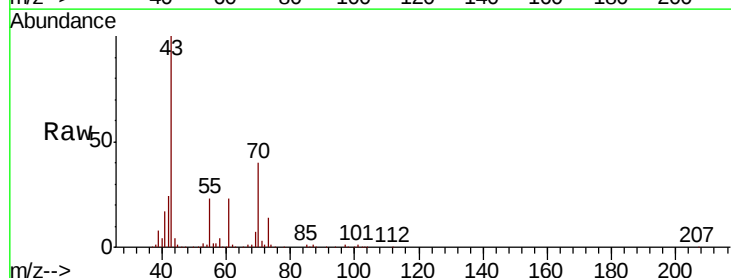
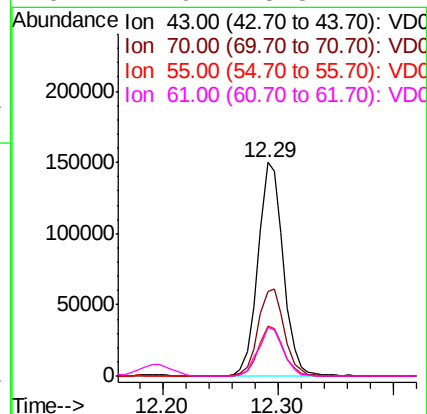
Ion Ratio Lower Upper

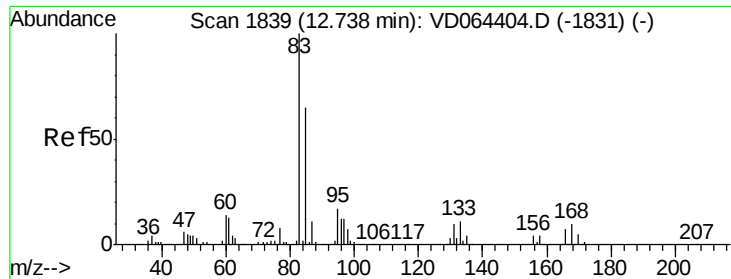
43 100

70 42.3 33.4 50.2

55 23.4 18.9 28.3

61 22.9 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 50.566 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

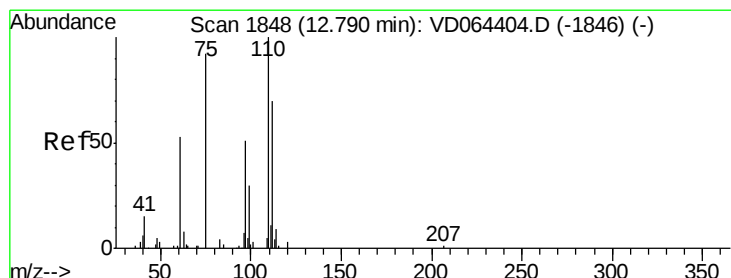
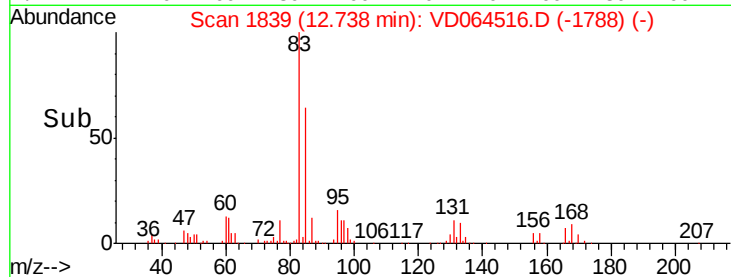
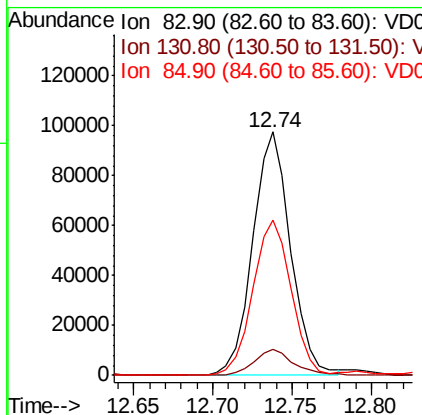
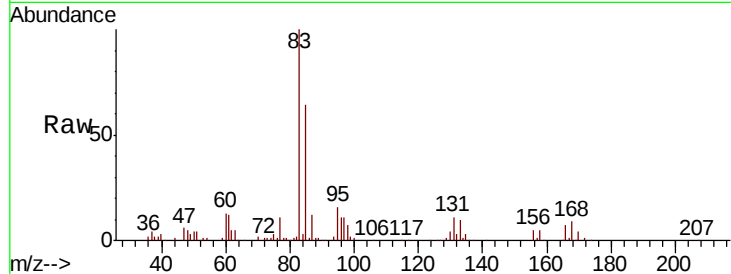
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	161491
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.7	17.0
85	64.7	31.3	93.9

Manual Integrations
APPROVED

apatel
12/16/2019 12:16:03 PM



#76

1,2,3-Trichloropropane

Concen: 57.062 ug/l m

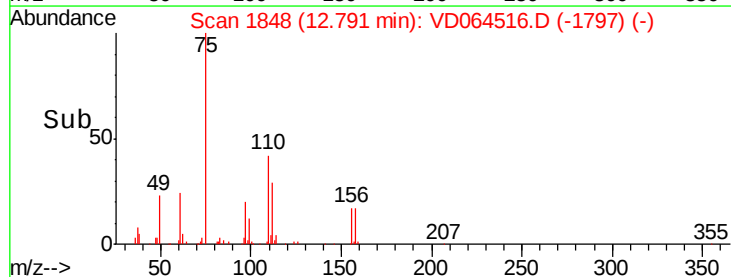
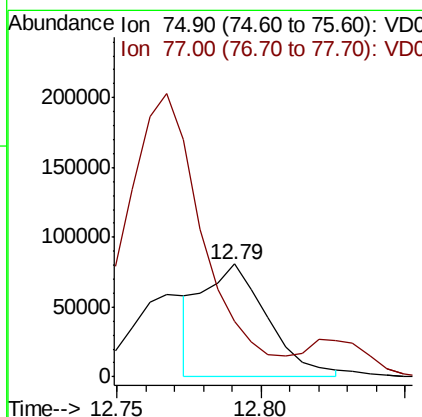
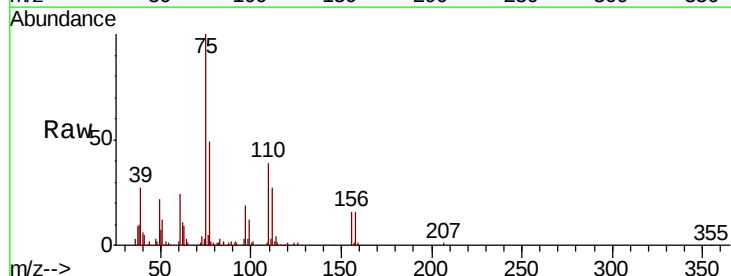
RT: 12.79 min Scan# 1848

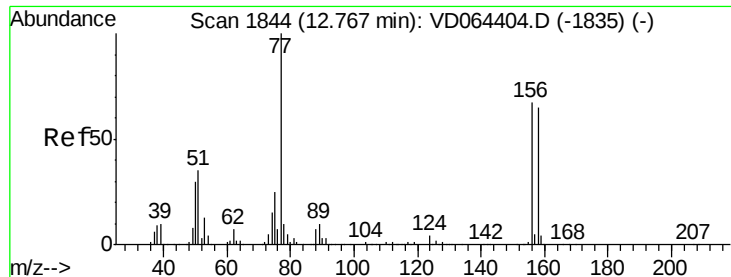
Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Tgt Ion:	75	Resp:	126007
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.182 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

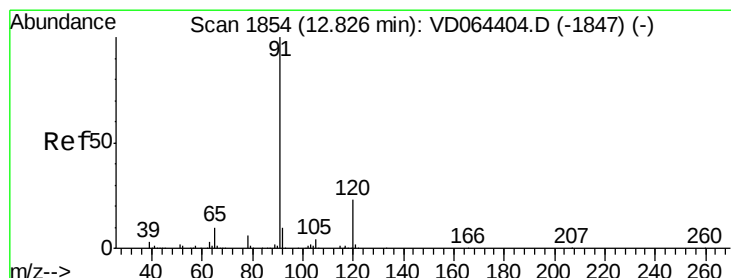
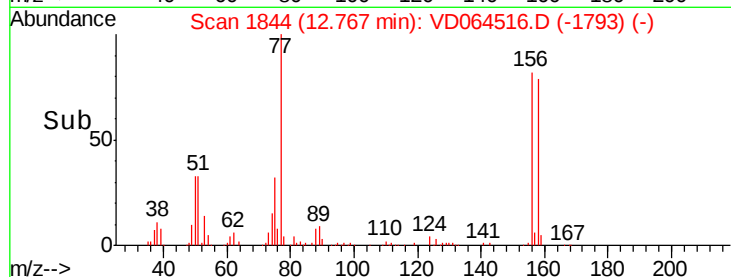
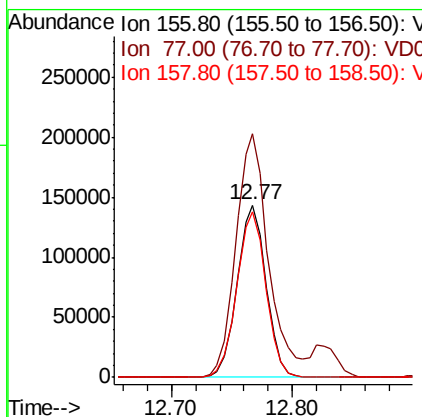
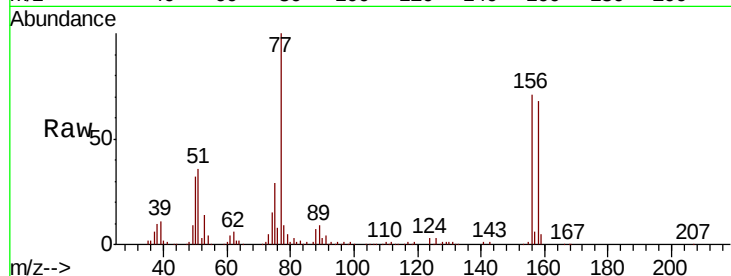
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	159.3	80.0	240.2
158	96.6	48.9	146.6

Manual Integrations
APPROVED

apatel
12/16/2019 12:16:03 PM



#78

n-propylbenzene

Concen: 48.496 ug/l

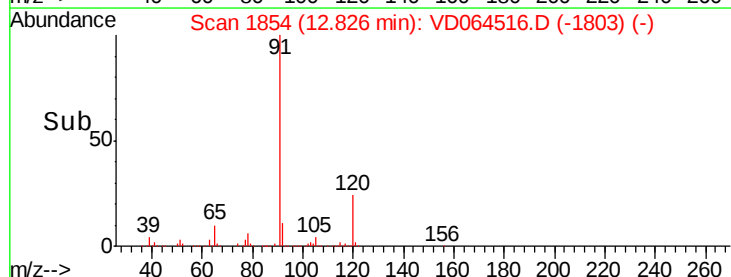
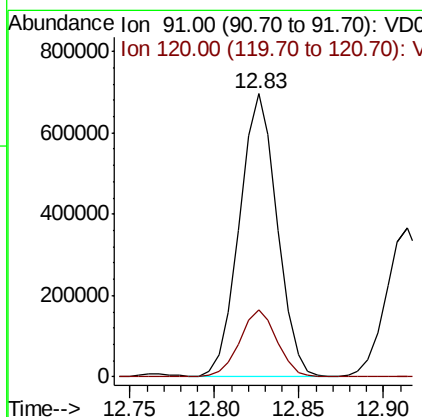
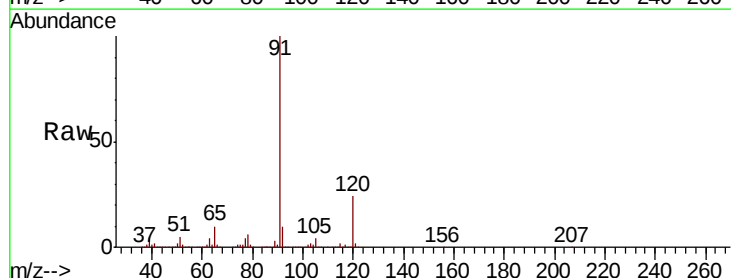
RT: 12.83 min Scan# 1854

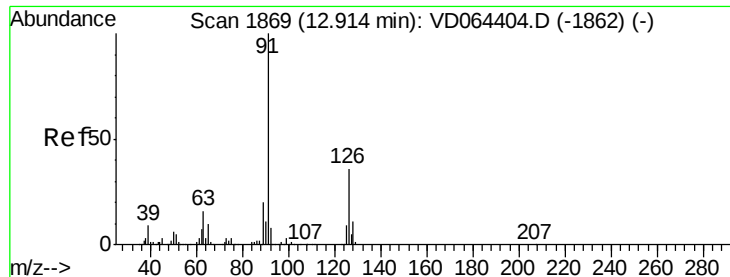
Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.9	35.9





#79

2-Chlorotoluene

Concen: 49.268 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 604081

Ion Ratio Lower Upper

91 100

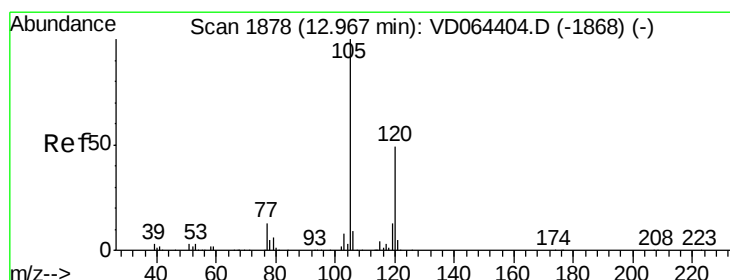
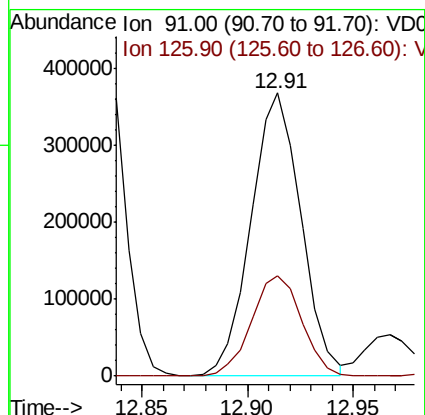
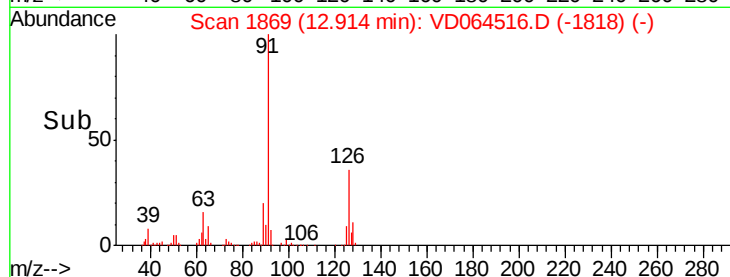
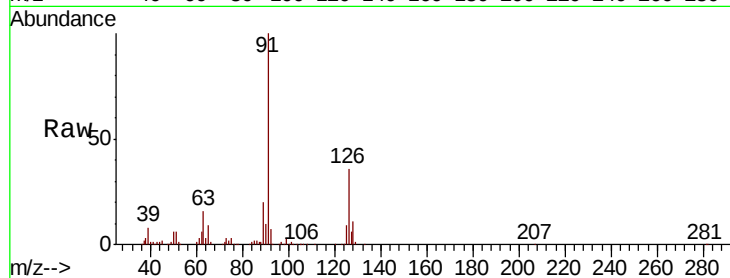
126 35.9 18.0 54.0

Manual Integrations

APPROVED

apatel

12/16/2019 12:16:03 PM



#80

1,3,5-Trimethylbenzene

Concen: 48.818 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064516.D

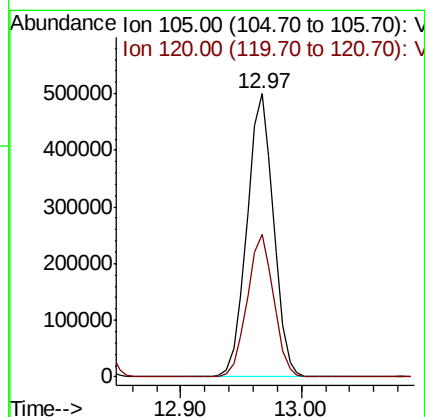
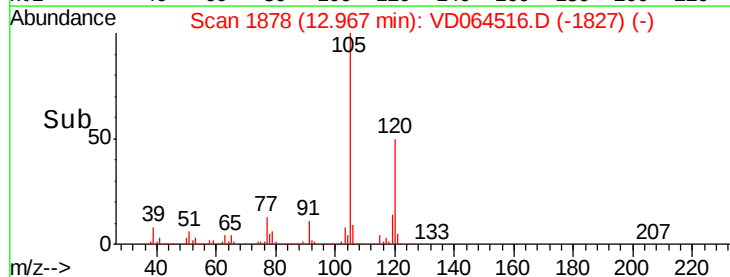
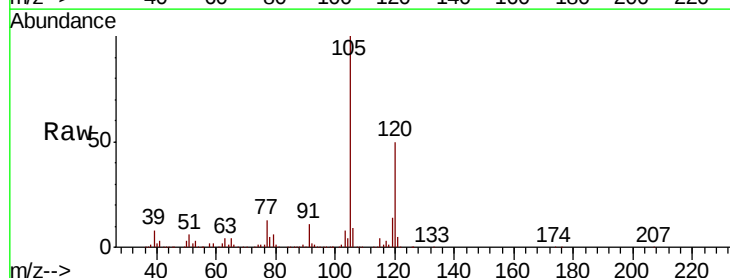
Acq: 13 Dec 2019 19:42

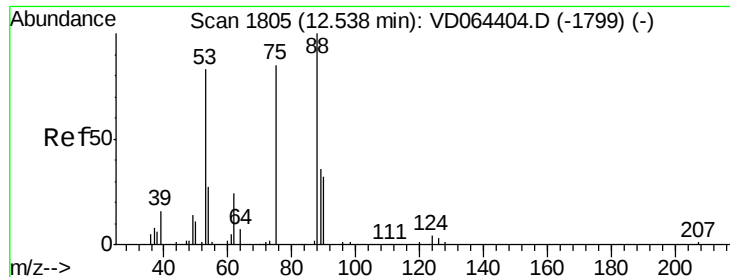
Tgt Ion: 105 Resp: 770446

Ion Ratio Lower Upper

105 100

120 50.1 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 52.702 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

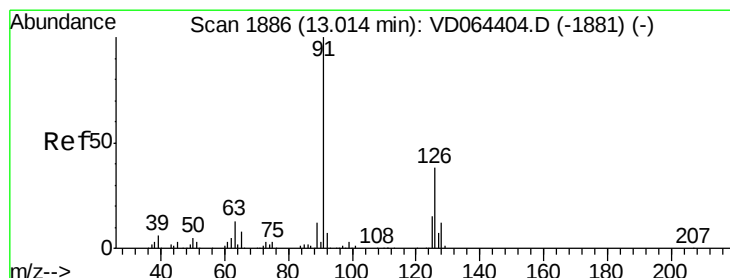
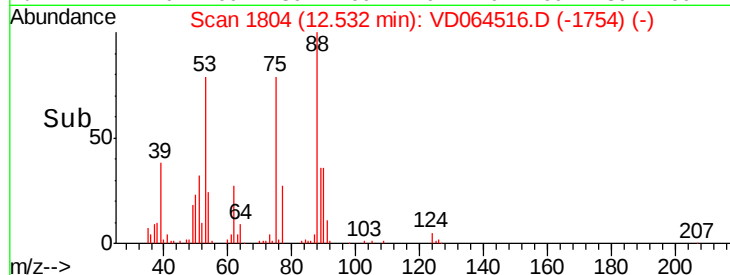
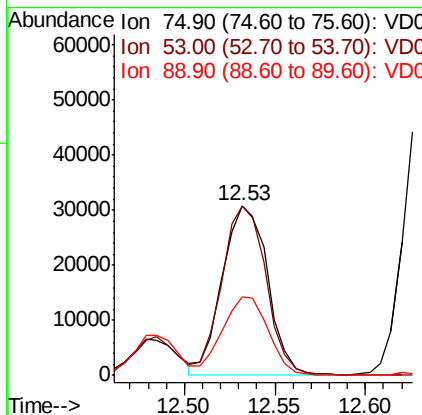
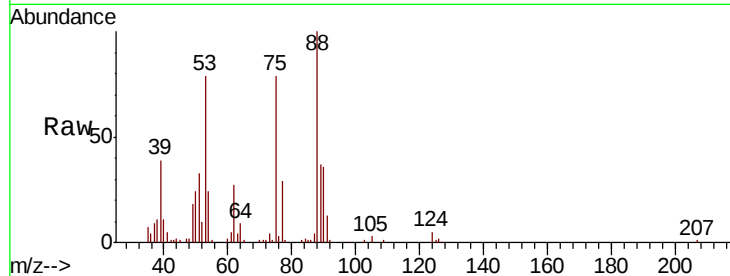
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	53372
Ion Ratio	Lower	Upper	
75	100		
53	98.4	81.0	121.6
89	46.3	38.5	57.7

Manual Integrations
APPROVED

apatel
12/16/2019 12:16:03 PM



#82

4-Chlorotoluene

Concen: 49.240 ug/l

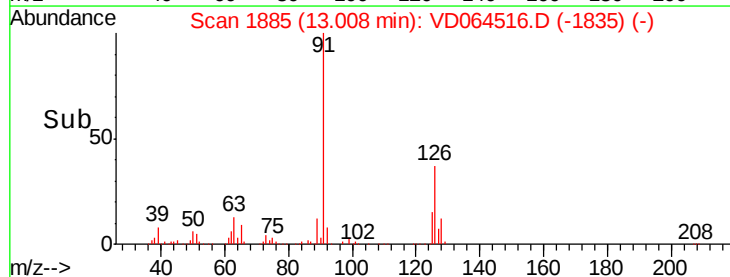
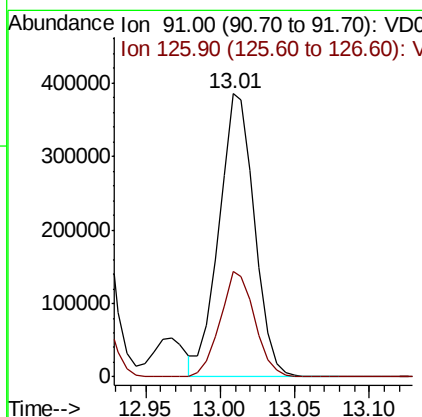
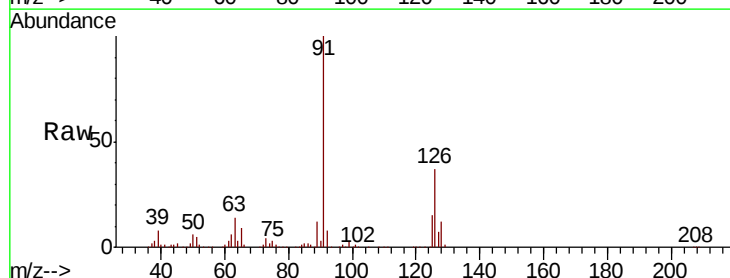
RT: 13.01 min Scan# 1885

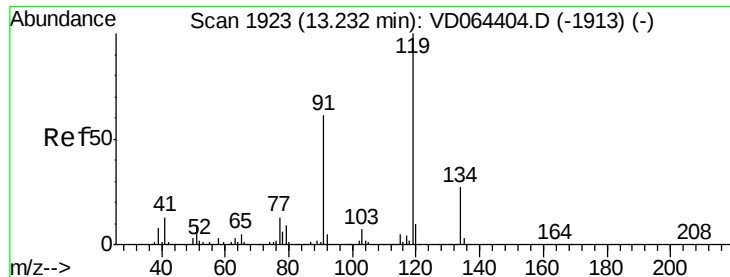
Delta R.T. -0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Tgt Ion:	91	Resp:	639227
Ion Ratio	Lower	Upper	
91	100		
126	36.1	18.2	54.6





#83

tert-Butylbenzene

Concen: 48.784 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

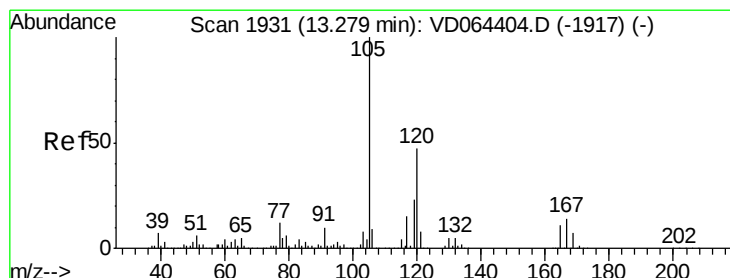
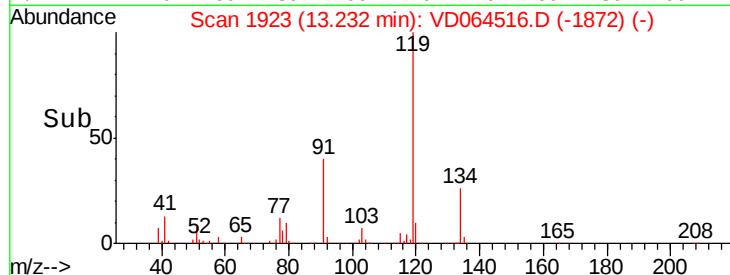
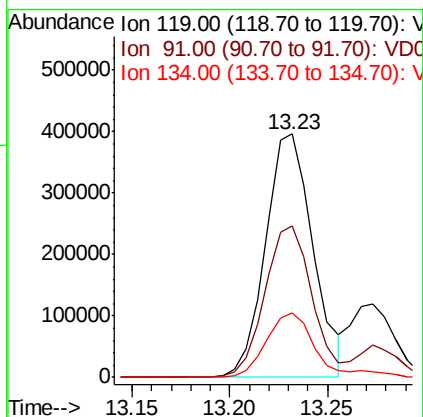
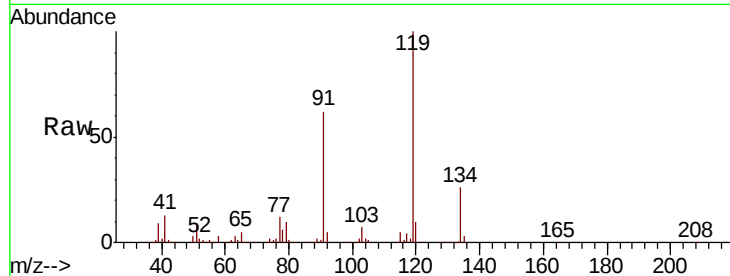
ClientSampleId :

VSTDCCC050EC

Tot Ion:	119	Resp:	669336
Ion Ratio	Lower	Upper	
119	100		
91	61.5	31.2	93.6
134	27.7	13.9	41.7

Manual Integrations
APPROVED

apatel
12/16/2019 12:16:03 PM



#84

1,2,4-Trimethylbenzene

Concen: 47.630 ug/l

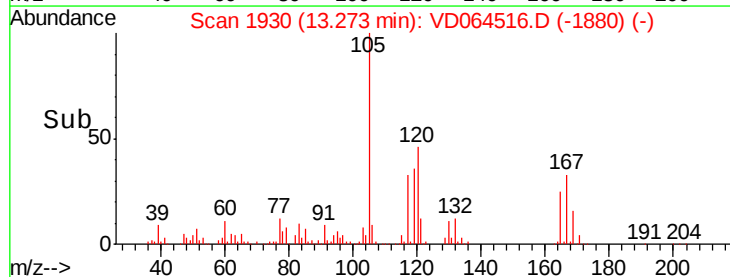
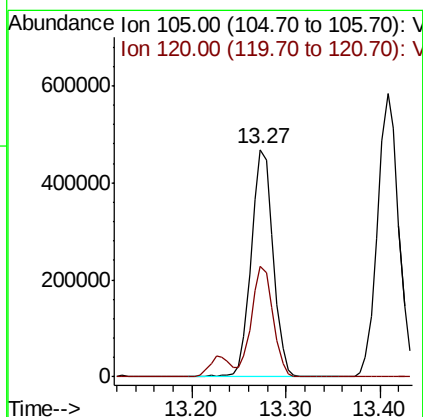
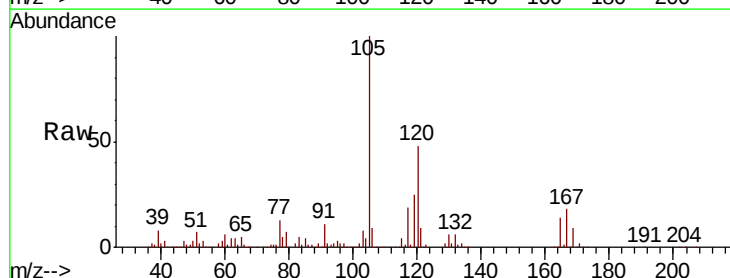
RT: 13.27 min Scan# 1930

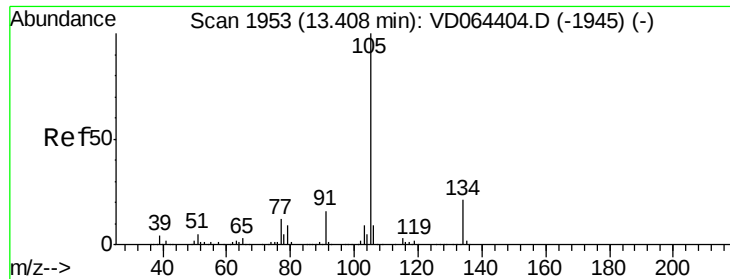
Delta R.T. -0.01 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Tgt Ion:	105	Resp:	755847
Ion Ratio	Lower	Upper	
105	100		
120	48.3	23.6	70.8





#85

sec-Butylbenzene

Concen: 48.215 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 907945

Ion Ratio Lower Upper

105 100

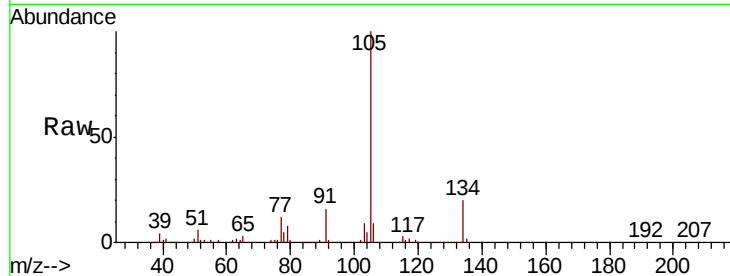
134 21.0 10.5 31.5

Manual Integrations

APPROVED

apatel

12/16/2019 12:16:03 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

600000

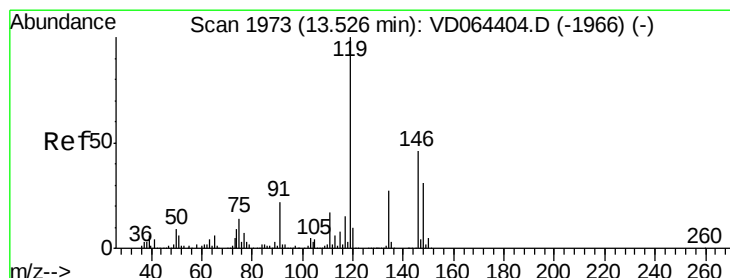
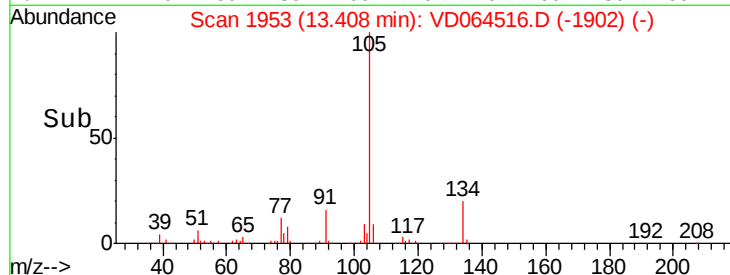
400000

200000

0

13.40 13.50

Time-->



#86

p-Isopropyltoluene

Concen: 47.824 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

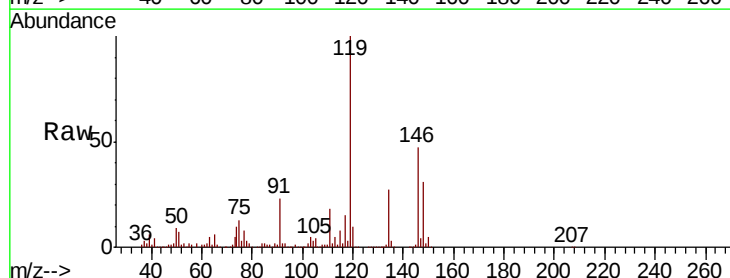
Tgt Ion:119 Resp: 850234

Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 22.9 11.2 33.5



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

600000

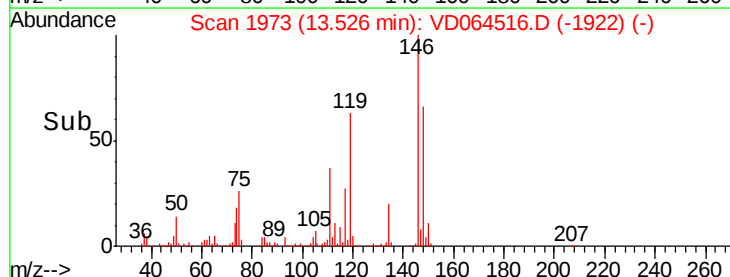
400000

200000

0

13.45 13.55 13.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 48.819 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

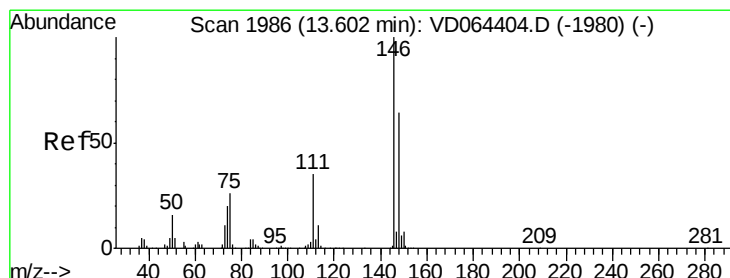
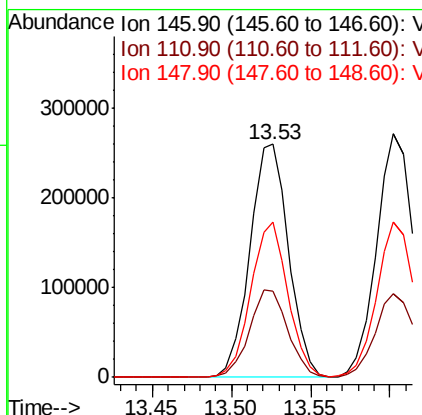
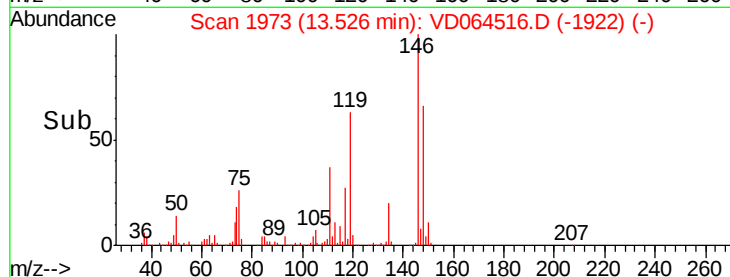
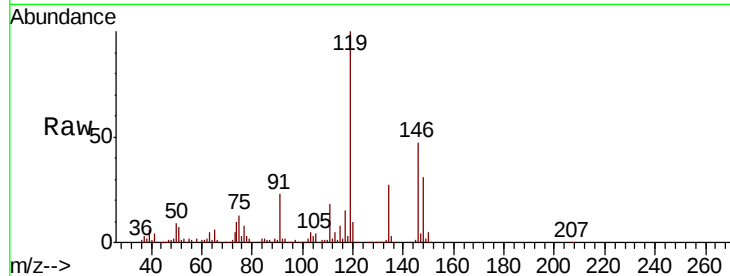
Instrument :
MSVOA_D

ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.4
148	63.6	32.6	97.8

Manual Integrations
APPROVED

apatel
12/16/2019 12:16:03 PM



#88

1,4-Dichlorobenzene

Concen: 49.339 ug/l

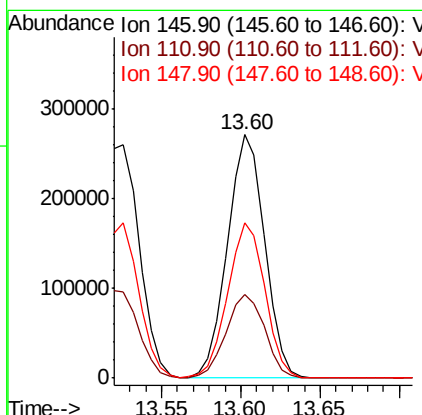
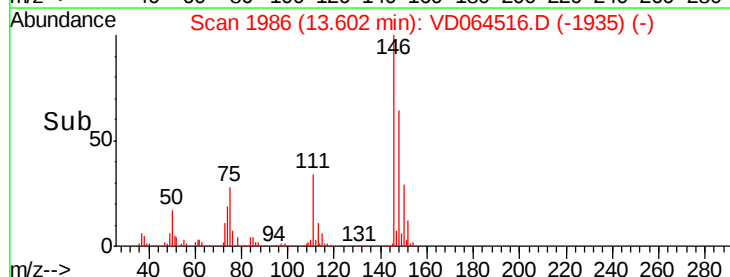
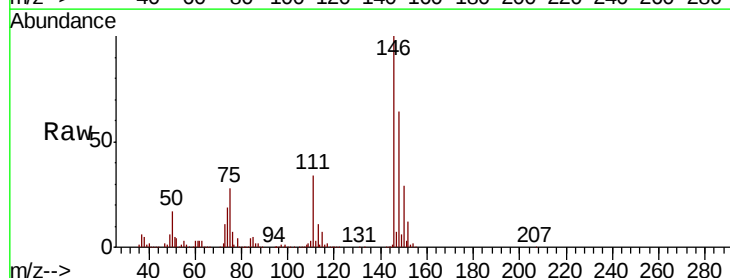
RT: 13.60 min Scan# 1986

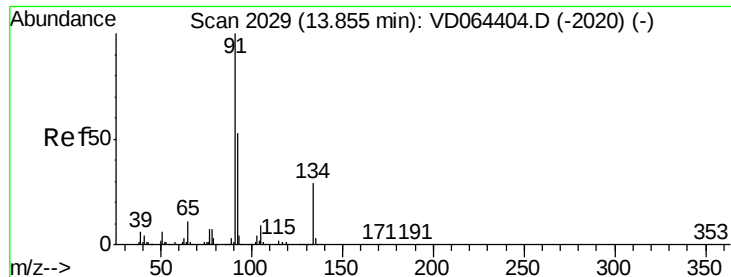
Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.2	54.6
148	64.0	31.8	95.4





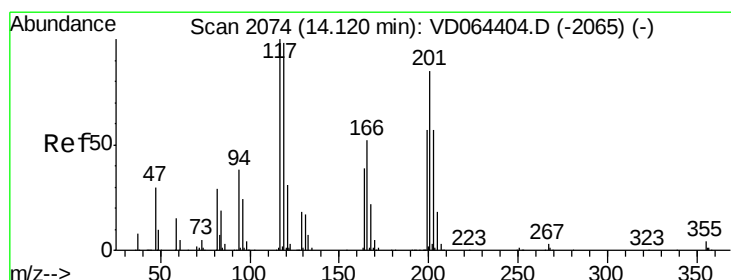
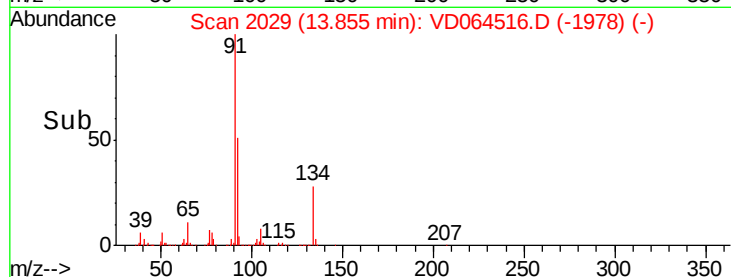
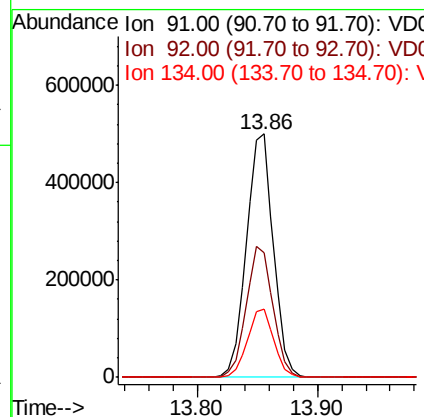
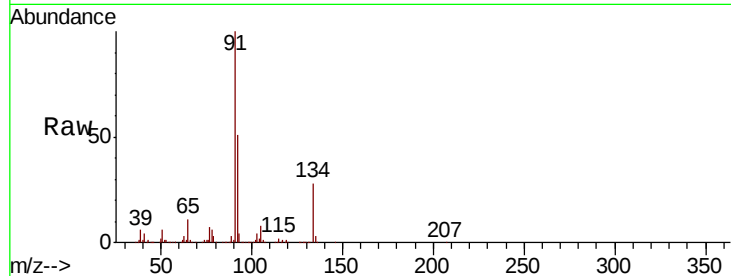
#89
n-Butylbenzene
Concen: 48.150 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.5	79.4
134	27.7	13.9	41.7

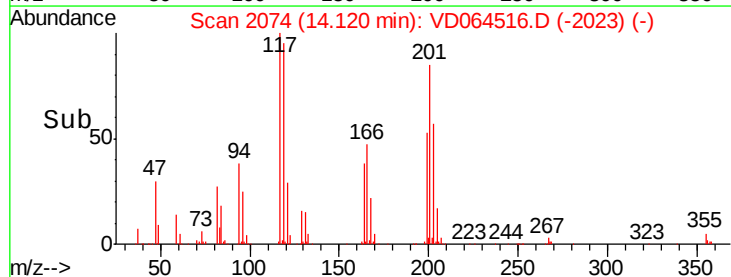
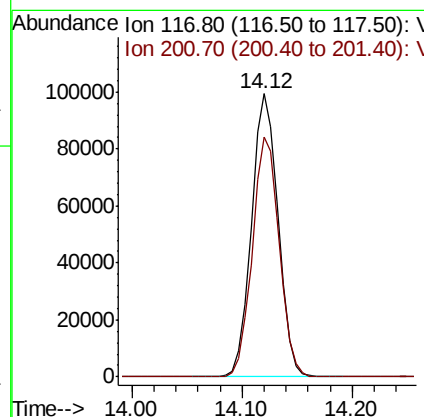
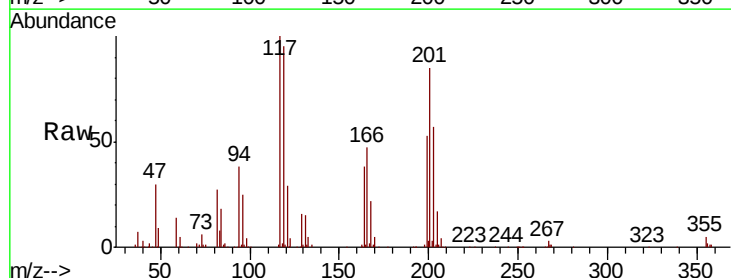
Manual Integrations
APPROVED

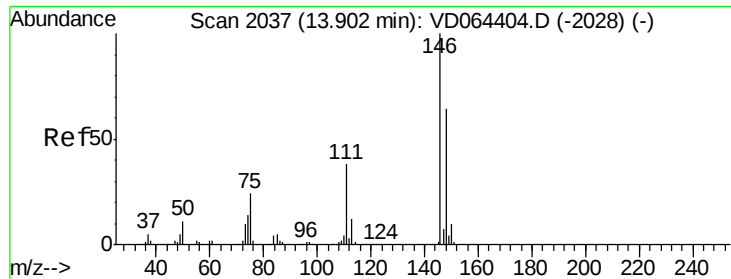
apatel
12/16/2019 12:16:03 PM



#90
Hexachloroethane
Concen: 50.487 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064516.D
Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.7	44.3	132.8





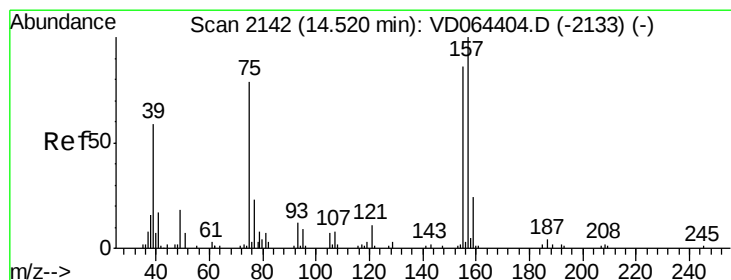
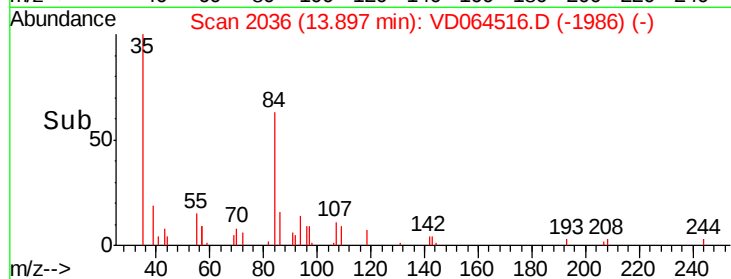
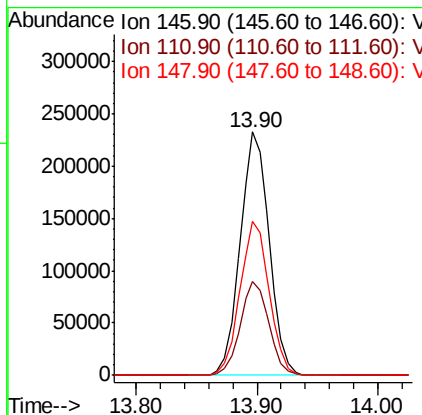
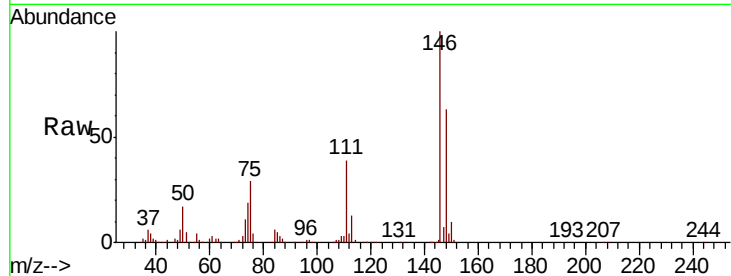
#91
 1,2-Dichlorobenzene
 Concen: 50.346 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.1	57.3
148	63.5	32.0	96.0

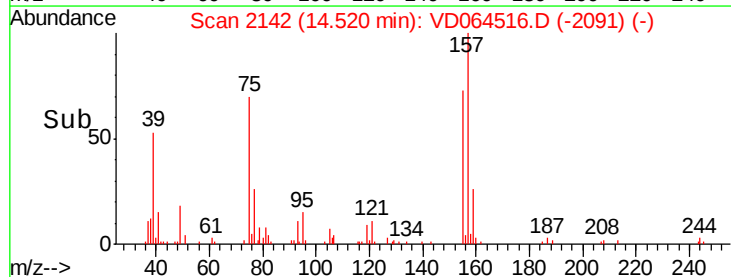
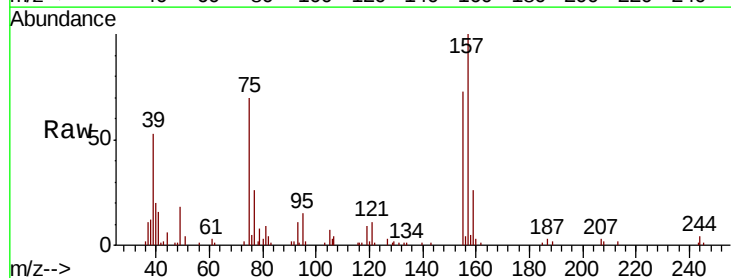
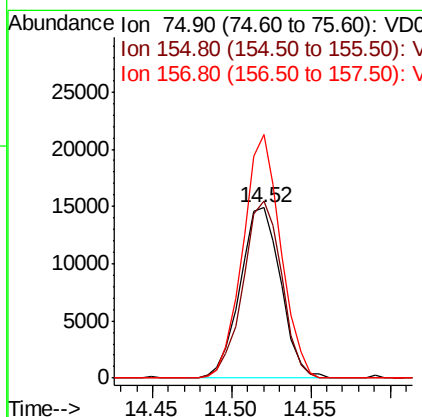
Manual Integrations
 APPROVED

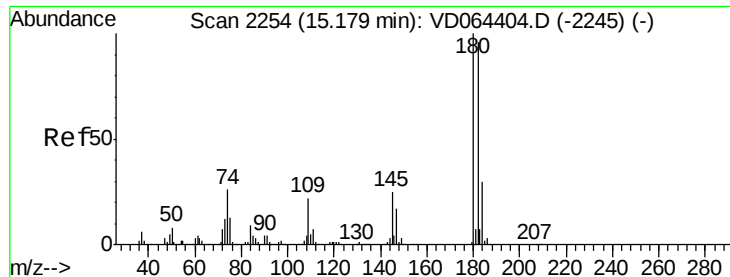
apatel
 12/16/2019 12:16:03 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.179 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.4	51.9	155.7
157	132.5	63.2	189.8





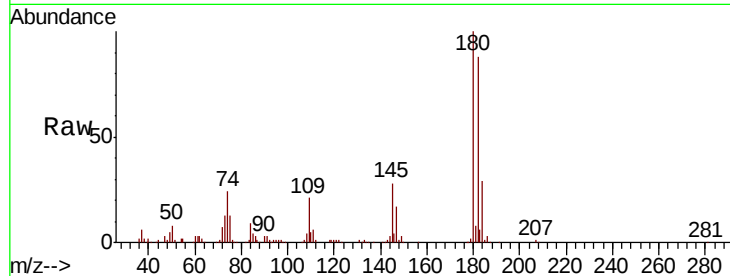
#93
 1,2,4-Trichlorobenzene
 Concen: 48.955 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

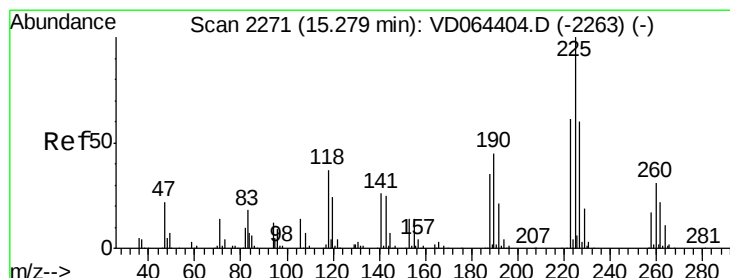
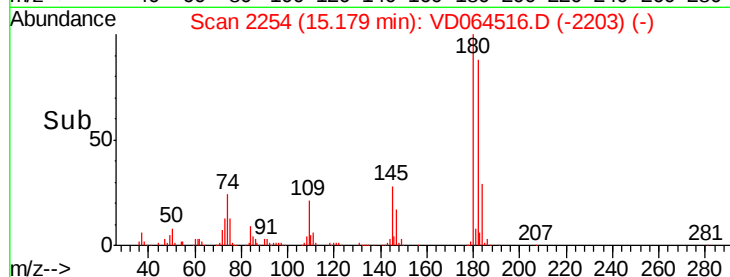
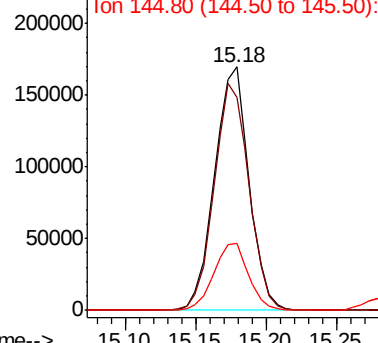
Tot Ion	Ratio	Resp	Lower	Upper
180	100	290026		
182	94.0		47.4	142.3
145	27.8		14.0	41.9

Manual Integrations
 APPROVED

apatel
 12/16/2019 12:16:03 PM

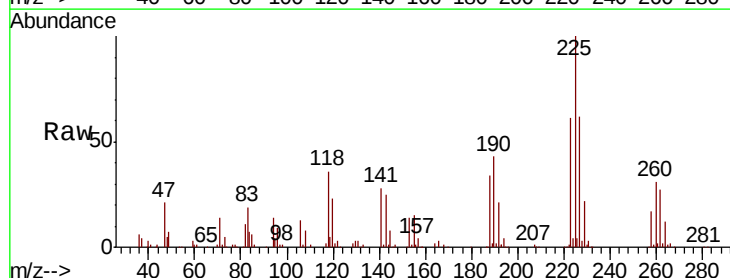


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

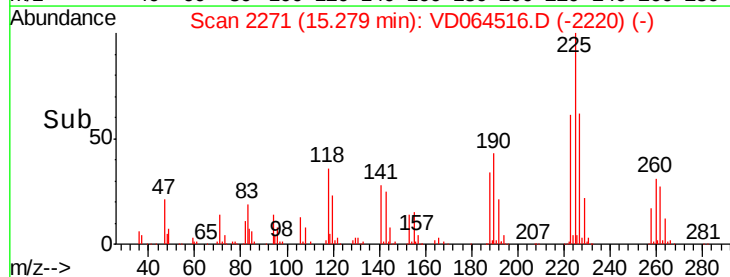
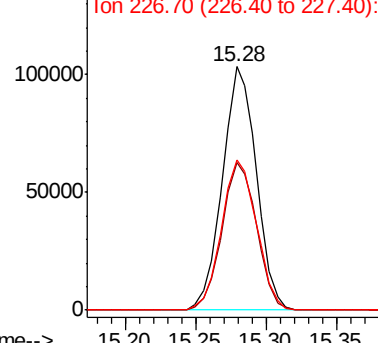


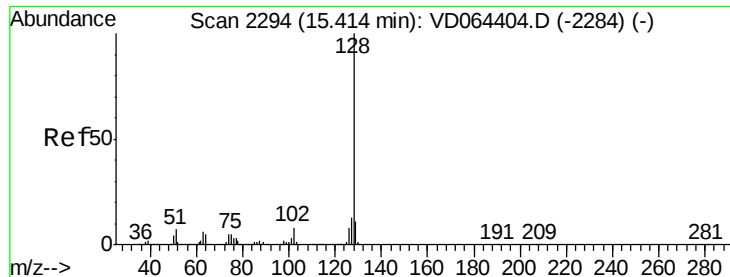
#94
 Hexachlorobutadiene
 Concen: 47.802 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064516.D
 Acq: 13 Dec 2019 19:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	174830		
223	62.0		31.1	93.3
227	63.6		31.8	95.4



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





#95

Naphthalene

Concen: 50.919 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Instrument :

MSVOA_D

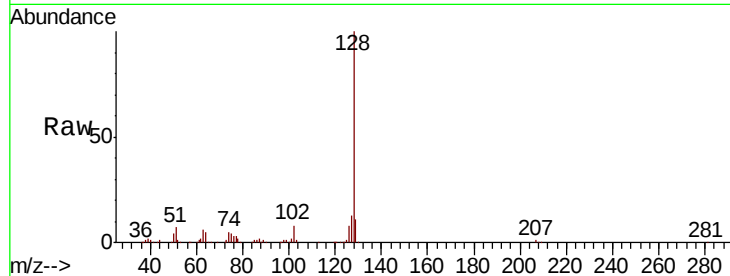
ClientSampleId :

VSTDCCC050EC

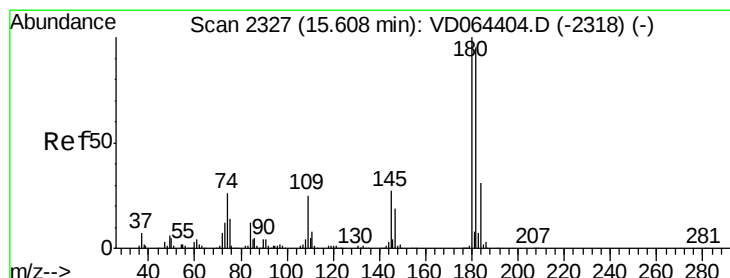
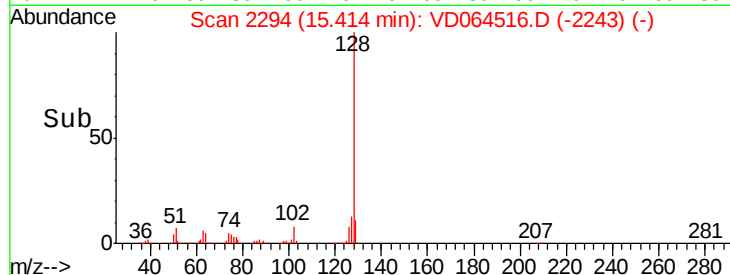
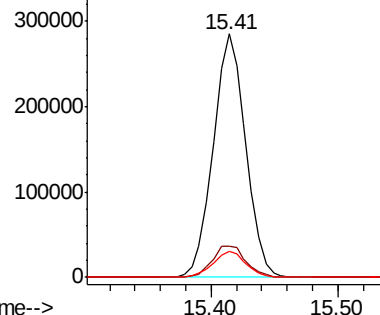
Tot Ion:	128	Resp:	503446
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	10.9	8.8	13.2

Manual Integrations
APPROVED

apatel
12/16/2019 12:16:03 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 50.434 ug/l

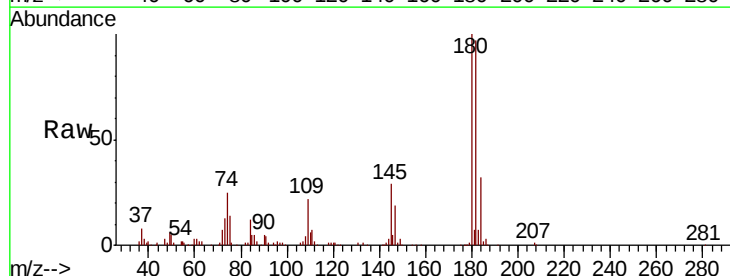
RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064516.D

Acq: 13 Dec 2019 19:42

Tgt Ion:	180	Resp:	255051
Ion Ratio	Lower	Upper	
180	100		
182	94.5	47.6	142.9
145	29.5	14.6	43.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

