

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
 Data File : VD064350.D
 Acq On : 22 Nov 2019 17:20
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 1:34:47 AM

Quant Time: Nov 23 01:33:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	488619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	711392	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	624873	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	318847	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	194459	48.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.78%	
35) Dibromofluoromethane	7.92	113	200129	49.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.02%	
50) Toluene-d8	10.34	98	729881	47.38	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.76%	
62) 4-Bromofluorobenzene	12.64	95	241934	45.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.70%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	150386	37.110	ug/l	99
3) Chloromethane	2.21	50	202774	46.649	ug/l	98
4) Vinyl Chloride	2.35	62	250874	53.971	ug/l	99
5) Bromomethane	2.77	94	181718	61.910	ug/l	99
6) Chloroethane	2.92	64	182661	61.498	ug/l	98
7) Trichlorofluoromethane	3.27	101	456314	60.549	ug/l	99
8) Diethyl Ether	3.71	74	106923	51.599	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	208501	48.405	ug/l	98
10) Methyl Iodide	4.29	142	231096	47.121	ug/l	98
11) Tert butyl alcohol	5.26	59	68979	245.755	ug/l	97
12) 1,1-Dichloroethene	4.06	96	196282	47.807	ug/l	96
13) Acrolein	3.93	56	69337	292.007	ug/l	98
14) Allyl chloride	4.71	41	327216	45.075	ug/l	95
15) Acrylonitrile	5.43	53	236887	268.154	ug/l	100
16) Acetone	4.17	43	202168	212.359	ug/l	100
17) Carbon Disulfide	4.40	76	549363	42.965	ug/l	99
18) Methyl Acetate	4.73	43	137222	51.607	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	504595	51.481	ug/l	96
20) Methylene Chloride	4.96	84	232975	48.446	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	229381	49.311	ug/l	91
22) Diisopropyl ether	6.37	45	681232	50.577	ug/l	99
23) Vinyl Acetate	6.31	43	1969035	262.257	ug/l	97
24) 1,1-Dichloroethane	6.27	63	392777	50.223	ug/l	100
25) 2-Butanone	7.22	43	304621	247.671	ug/l	95
26) 2,2-Dichloropropane	7.21	77	352699	45.987	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	263126	52.747	ug/l	94
28) Bromochloromethane	7.55	49	158711	58.291	ug/l	99
29) Tetrahydrofuran	7.57	42	193142	261.364	ug/l	96
30) Chloroform	7.71	83	424805	53.103	ug/l	99
31) Cyclohexane	7.98	56	339569	43.053	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	375243	48.988	ug/l	100
36) 1,1-Dichloropropene	8.11	75	308791	47.032	ug/l	98
37) Ethyl Acetate	7.30	43	136424	49.288	ug/l	97
38) Carbon Tetrachloride	8.10	117	341461	48.605	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
 Data File : VD064350.D
 Acq On : 22 Nov 2019 17:20
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 1:34:47 AM

Quant Time: Nov 23 01:33:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	373552	44.964	ug/l	97
40) Benzene	8.35	78	896422	49.957	ug/l	97
41) Methacrylonitrile	7.53	41	93468	53.728	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	270813	50.251	ug/l	99
43) Isopropyl Acetate	8.46	43	276226	48.436	ug/l	97
44) Trichloroethene	9.11	130	266962	49.571	ug/l	97
45) 1,2-Dichloropropane	9.39	63	219680	50.299	ug/l	97
46) Dibromomethane	9.48	93	125251	53.568	ug/l	98
47) Bromodichloromethane	9.66	83	327048	51.928	ug/l	98
48) Methyl methacrylate	9.46	41	132027	47.345	ug/l	93
49) 1,4-Dioxane	9.47	88	30075	1071.006	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	691910	253.001	ug/l	99
52) Toluene	10.41	92	582300	49.351	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	313853	49.742	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	370900	50.374	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	170850	53.864	ug/l	97
56) Ethyl methacrylate	10.66	69	223069	50.274	ug/l	95
57) 1,3-Dichloropropane	10.95	76	295377	53.397	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	456455	253.963	ug/l	100
59) 2-Hexanone	10.99	43	465939	239.475	ug/l	97
60) Dibromochloromethane	11.14	129	235709	53.256	ug/l	99
61) 1,2-Dibromoethane	11.25	107	170132	53.552	ug/l	98
64) Tetrachloroethene	10.88	164	226559	47.142	ug/l	97
65) Chlorobenzene	11.67	112	639232	50.306	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	251035	51.956	ug/l	98
67) Ethyl Benzene	11.75	91	1133819	49.330	ug/l	98
68) m/p-Xylenes	11.86	106	874919	99.310	ug/l	98
69) o-Xylene	12.18	106	403804	49.421	ug/l	100
70) Styrene	12.20	104	711181	49.863	ug/l	98
71) Bromoform	12.37	173	144806	52.662	ug/l #	100
73) Isopropylbenzene	12.48	105	1091594	46.643	ug/l	100
74) N-amyl acetate	12.29	43	251650	45.534	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	184477	52.312	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	141476m	55.087	ug/l	
77) Bromobenzene	12.77	156	281069	49.435	ug/l	97
78) n-propylbenzene	12.83	91	1256564	46.994	ug/l	99
79) 2-Chlorotoluene	12.91	91	695720	46.086	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	903105	46.962	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	59341	45.897	ug/l	99
82) 4-Chlorotoluene	13.01	91	735156	46.690	ug/l	98
83) tert-Butylbenzene	13.23	119	786319	46.371	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	913476	48.114	ug/l	100
85) sec-Butylbenzene	13.41	105	1063490	46.696	ug/l	100
86) p-Isopropyltoluene	13.53	119	1010313	46.661	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	524474	49.693	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	509955	49.506	ug/l	99
89) n-Butylbenzene	13.86	91	919583	47.010	ug/l	99
90) Hexachloroethane	14.12	117	188789	47.180	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	448328	50.187	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	28674	45.478	ug/l	92

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
Data File : VD064350.D
Acq On : 22 Nov 2019 17:20
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

MMDadoda
11/26/2019 1:34:47 AM

Quant Time: Nov 23 01:33:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	347484	50.425	ug/l	100
94) Hexachlorobutadiene	15.28	225	211614	47.543	ug/l	99
95) Naphthalene	15.41	128	576987	51.078	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	300952	51.377	ug/l	98

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

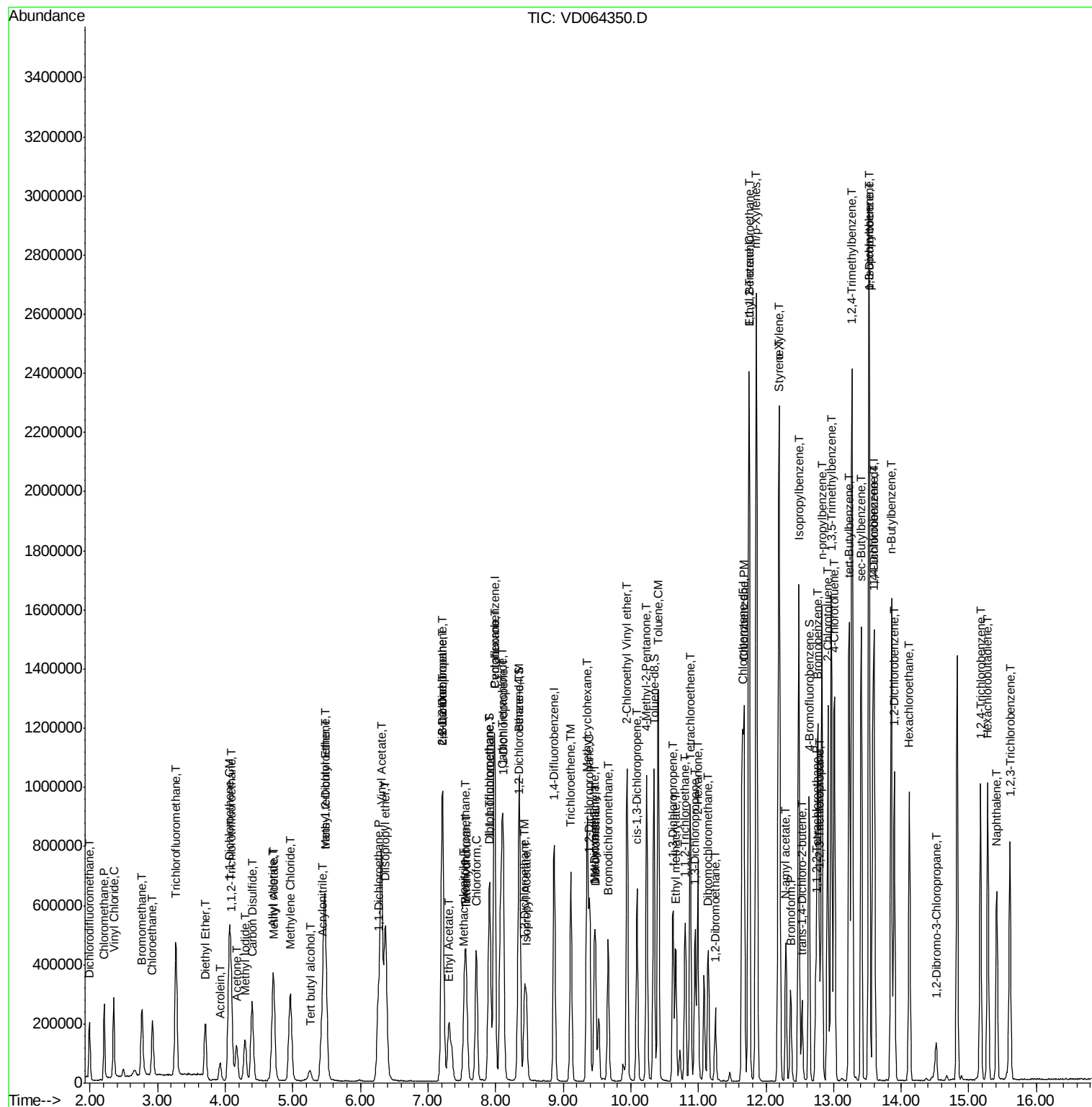
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
 Data File : VD064350.D
 Acq On : 22 Nov 2019 17:20
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

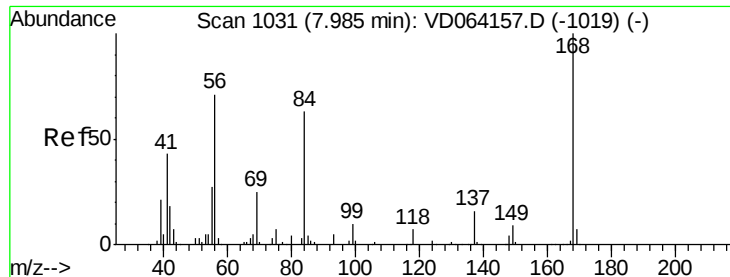
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 1:34:47 AM

Quant Time: Nov 23 01:33:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 488619

Ion Ratio Lower Upper

168 100

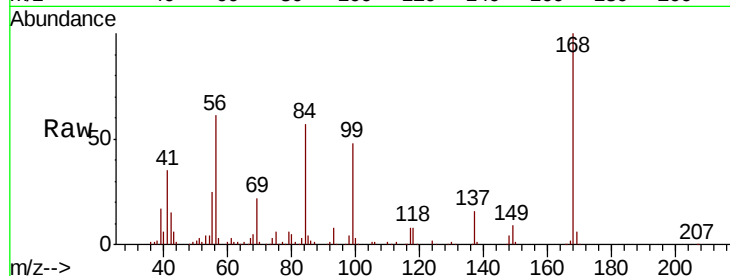
99 47.8 41.6 62.4

Manual Integrations

APPROVED

MMDadoda

11/26/2019 1:34:47 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

100000

50000

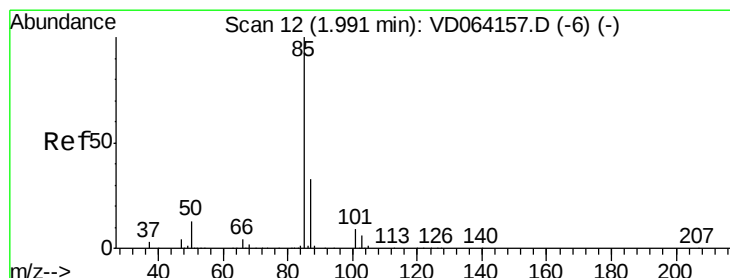
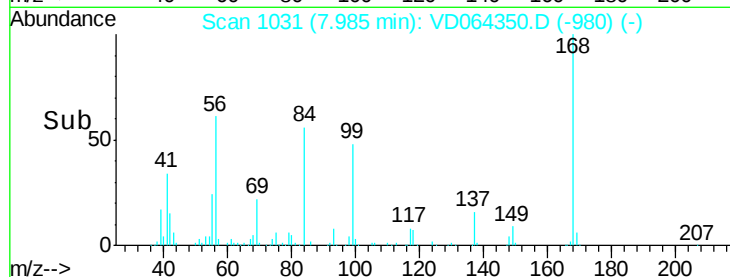
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 37.110 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064350.D

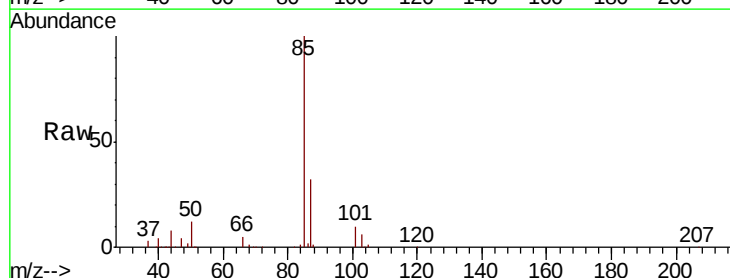
Acq: 22 Nov 2019 17:20

Tgt Ion: 85 Resp: 150386

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.2



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

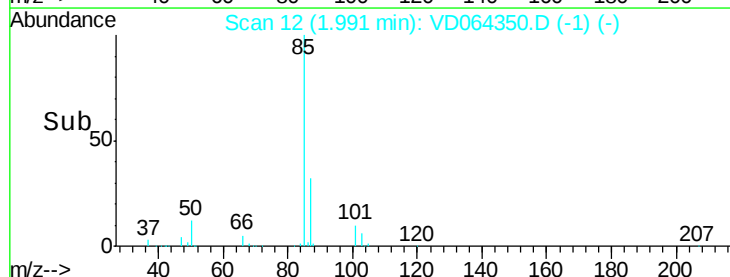
0

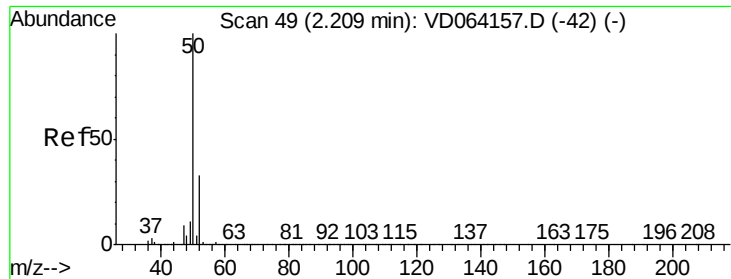
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 46.649 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 202774

Ion Ratio Lower Upper

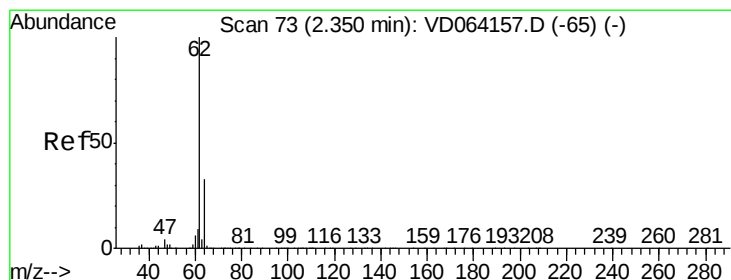
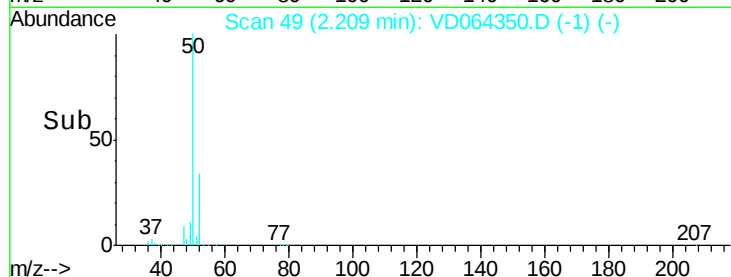
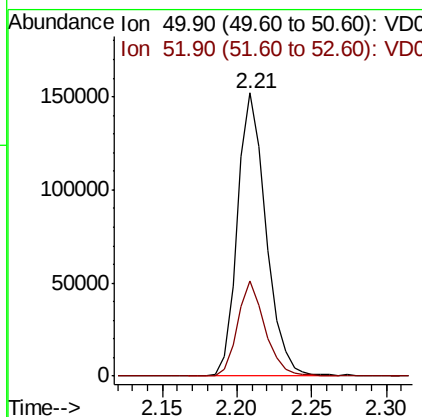
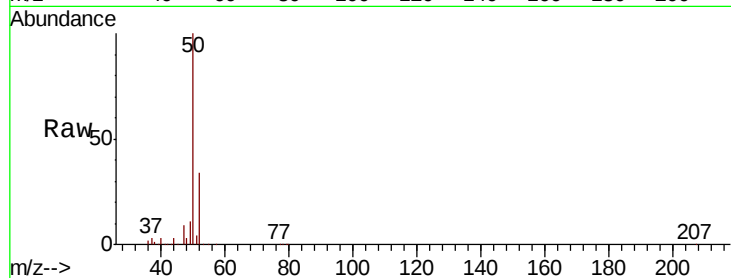
50 100

52 33.7 26.2 39.4

Manual Integrations
APPROVED

MMDadoda

11/26/2019 1:34:47 AM



#4

Vinyl Chloride

Concen: 53.971 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064350.D

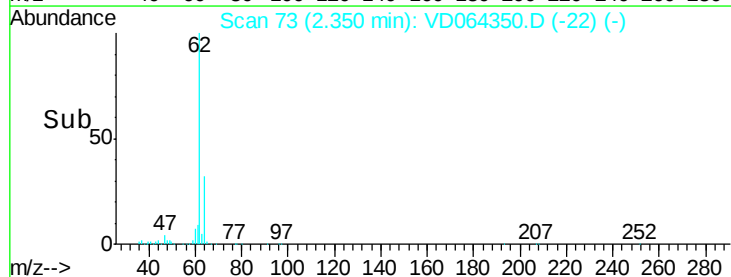
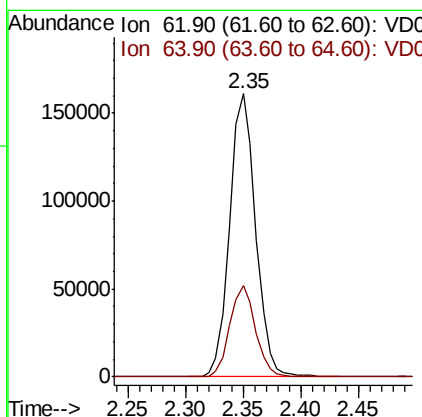
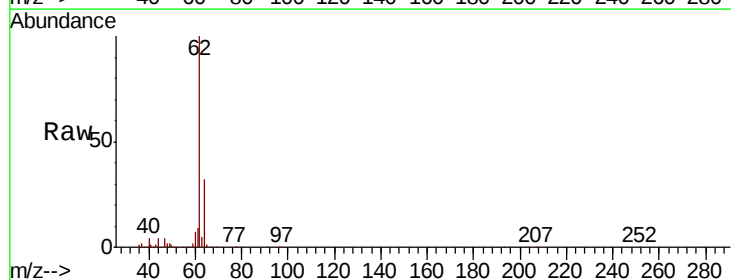
Acq: 22 Nov 2019 17:20

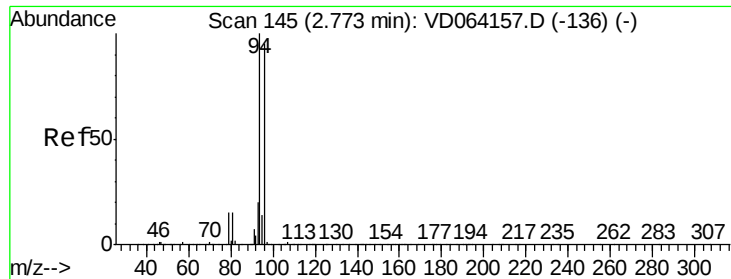
Tgt Ion: 62 Resp: 250874

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.2





#5

Bromomethane

Concen: 61.910 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 181718

Ion Ratio Lower Upper

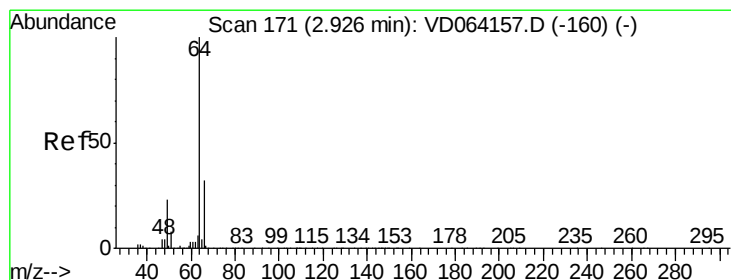
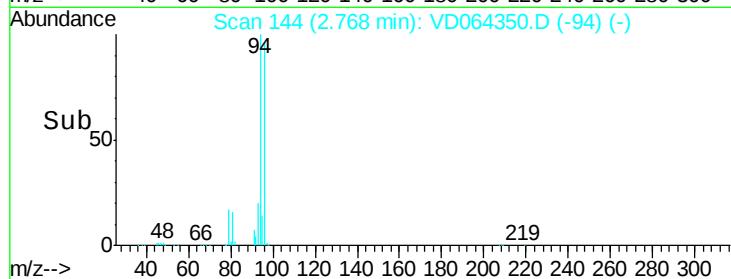
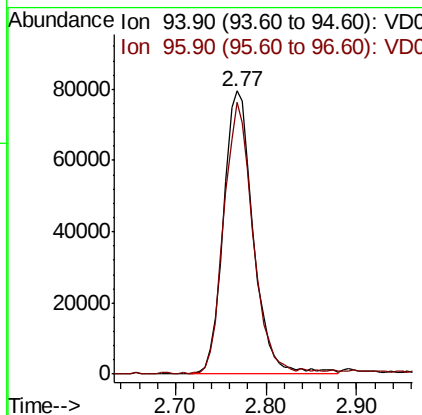
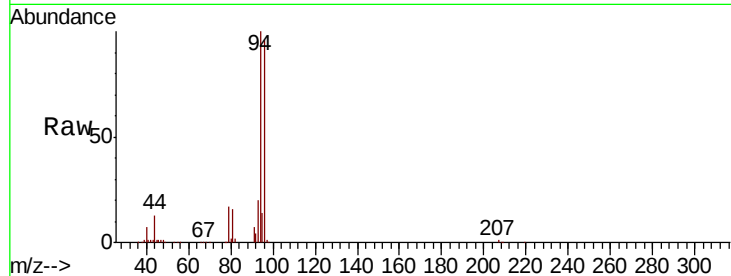
94 100

96 95.8 76.2 114.4

Manual Integrations
APPROVED

MMDadoda

11/26/2019 1:34:47 AM



#6

Chloroethane

Concen: 61.498 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064350.D

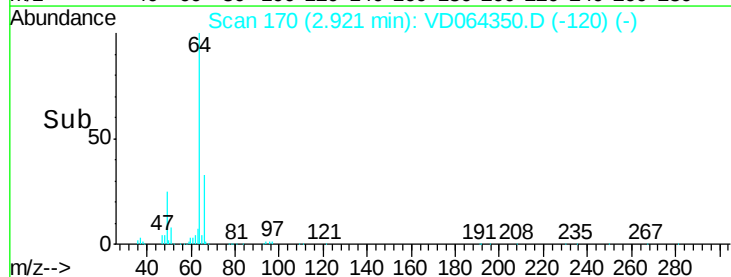
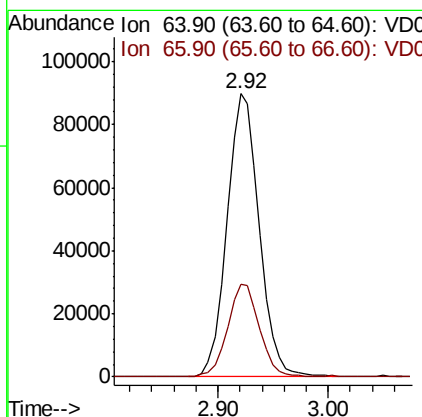
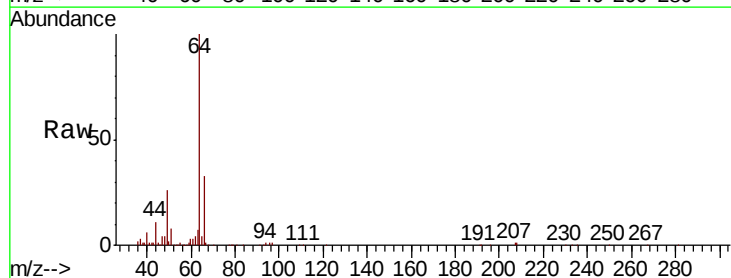
Acq: 22 Nov 2019 17:20

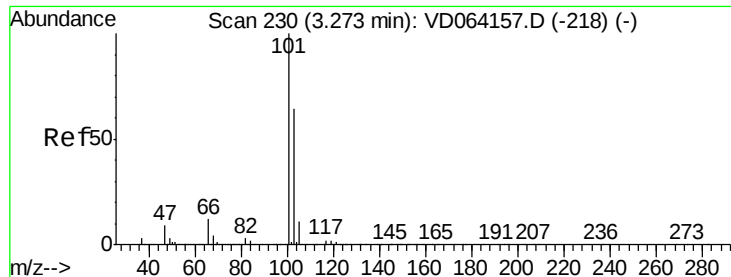
Tgt Ion: 64 Resp: 182661

Ion Ratio Lower Upper

64 100

66 33.0 25.5 38.3





#7

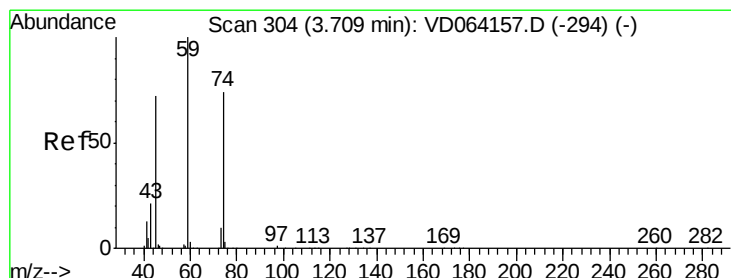
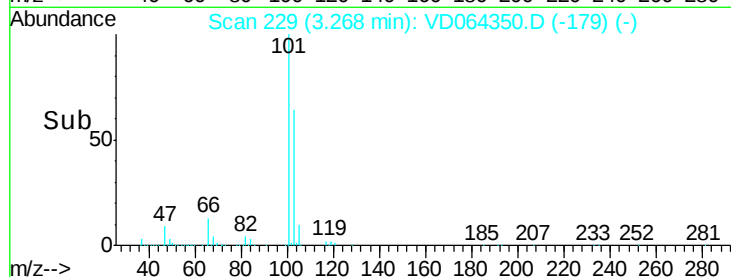
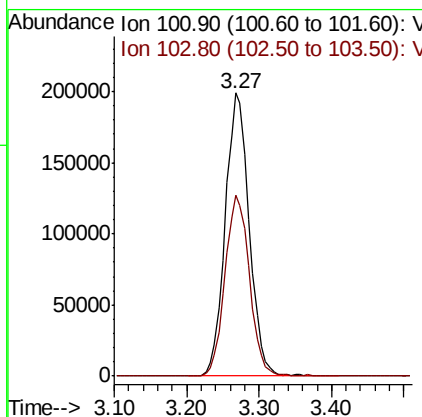
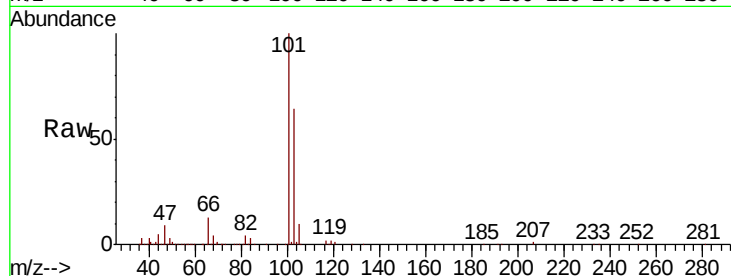
Trichlorofluoromethane
 Concen: 60.549 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	50.8	76.2

Manual Integrations
 APPROVED

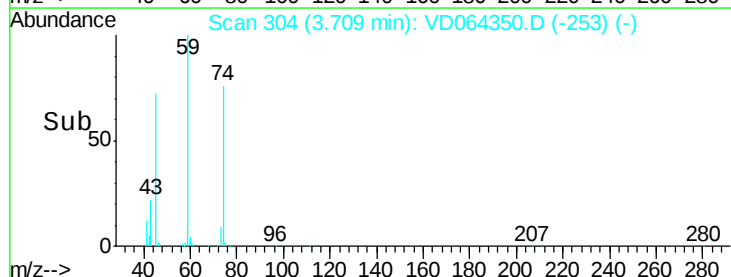
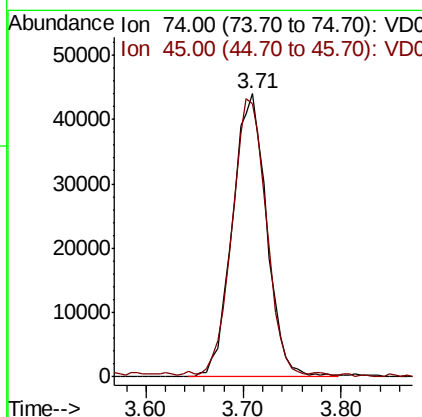
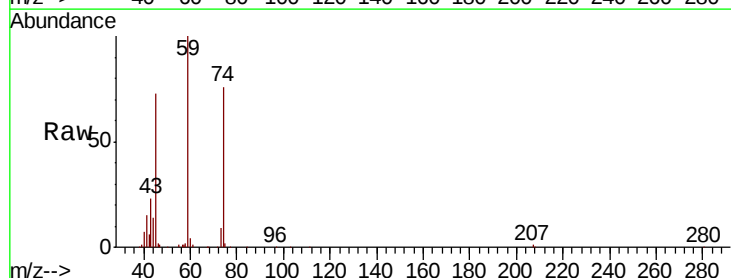
MMDadoda
 11/26/2019 1:34:47 AM



#8

Diethyl Ether
 Concen: 51.599 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.405 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

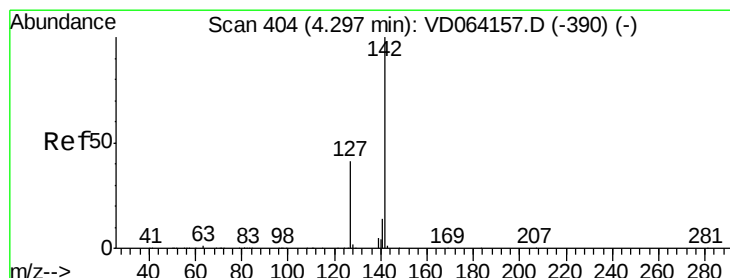
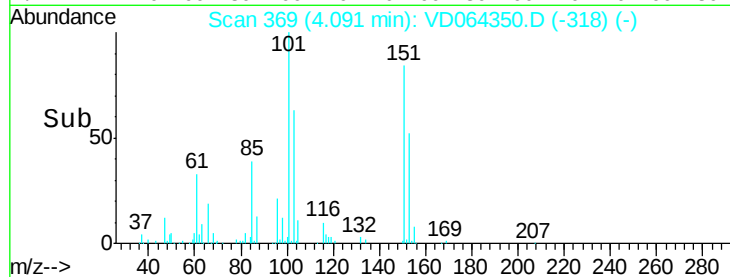
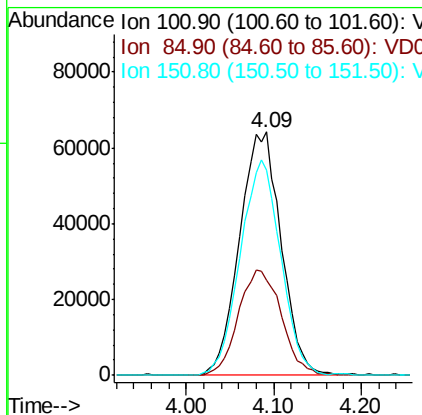
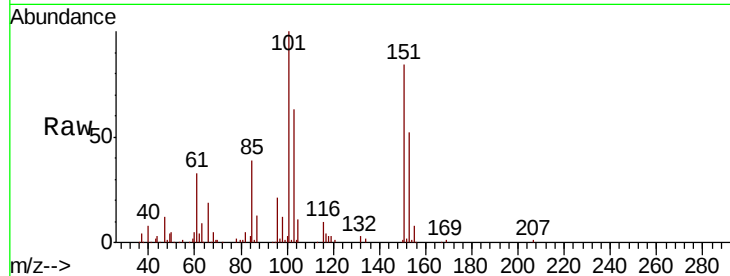
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	208501
Ion Ratio	Lower	Upper	
101	100		
85	44.6	34.4	51.6
151	86.4	68.1	102.1

Manual Integrations
APPROVED

MMDadoda
11/26/2019 1:34:47 AM



#10

Methyl Iodide

Concen: 47.121 ug/l

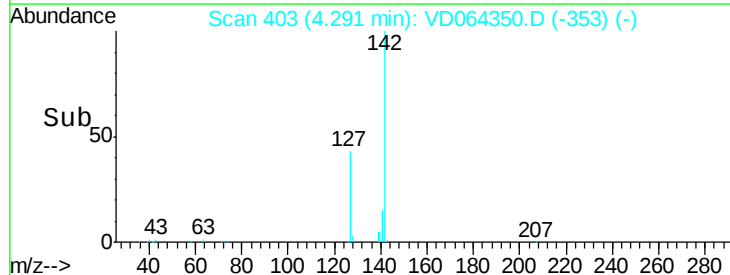
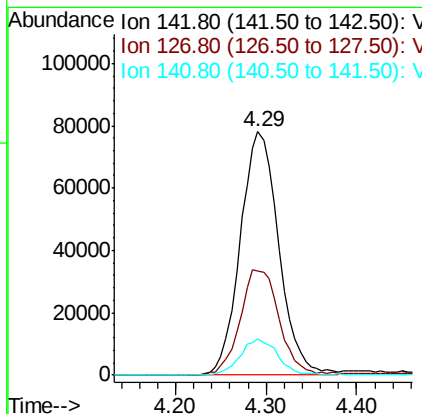
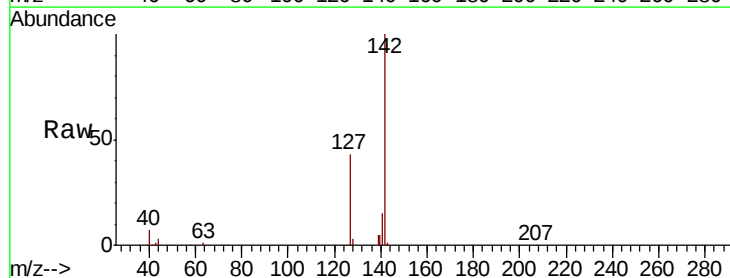
RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Tgt Ion:	142	Resp:	231096
Ion Ratio	Lower	Upper	
142	100		
127	44.4	34.4	51.6
141	14.4	11.2	16.8





#11

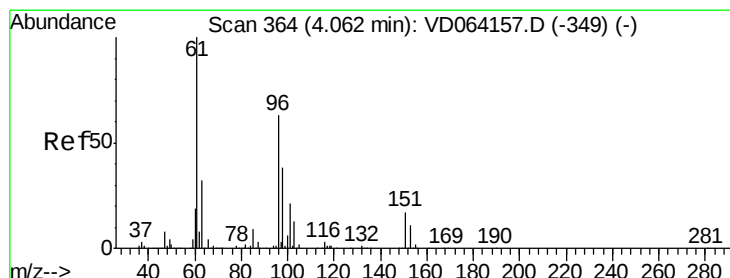
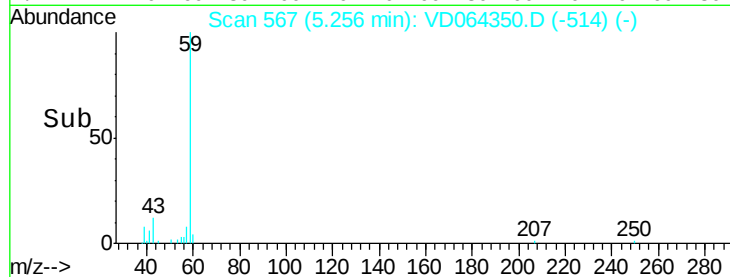
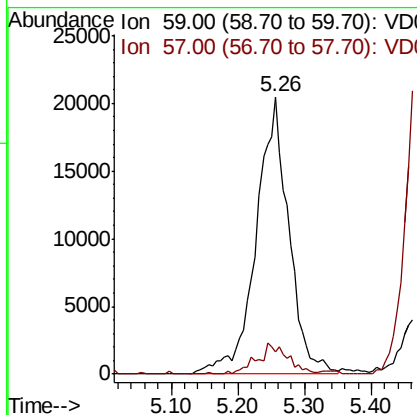
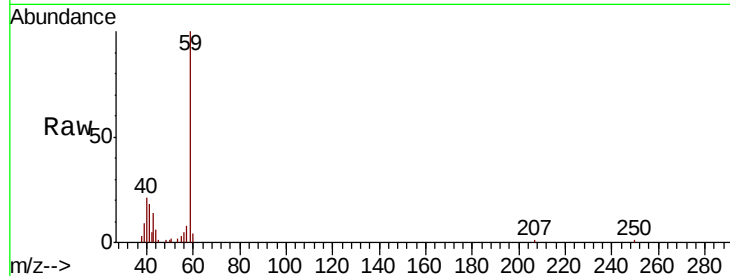
Tert butyl alcohol
Concen: 245.755 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	68979		
57	57	10.5		9.4	14.2

Manual Integrations
APPROVED

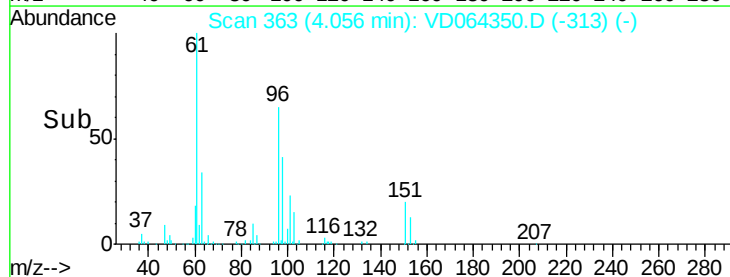
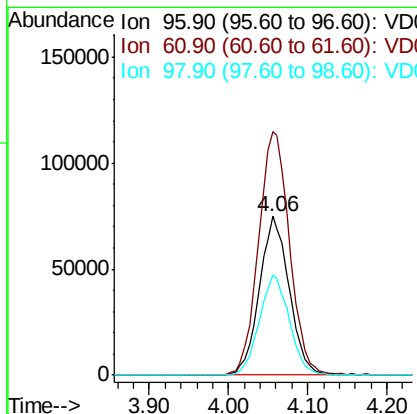
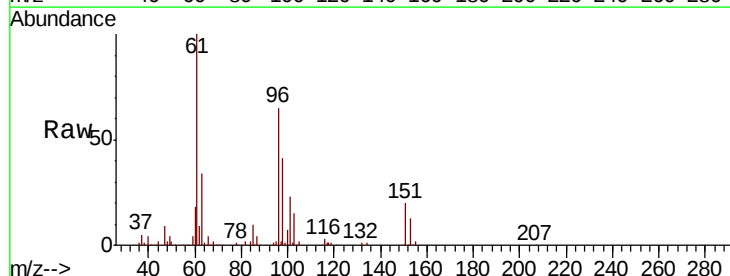
MMDadoda
11/26/2019 1:34:47 AM

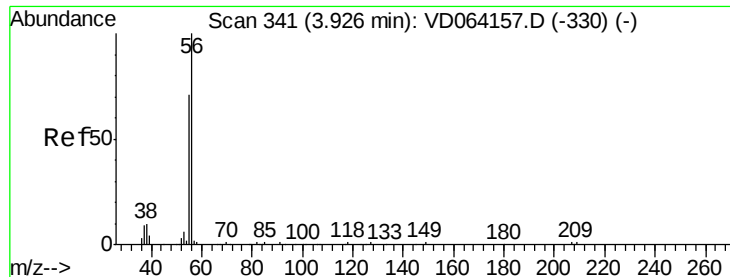


#12

1,1-Dichloroethene
Concen: 47.807 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	196282		
61	61	153.4		127.4	191.2
98	98	62.8		48.1	72.1





#13

Acrolein

Concen: 292.007 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 69337

Ion Ratio Lower Upper

56 100

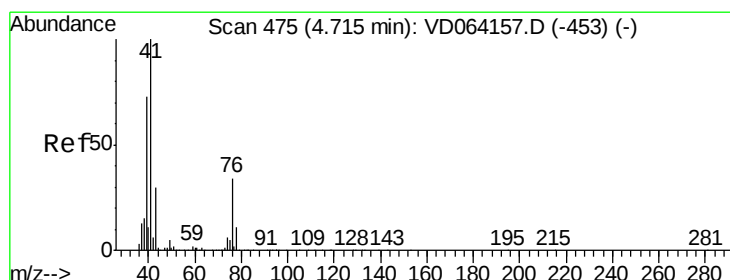
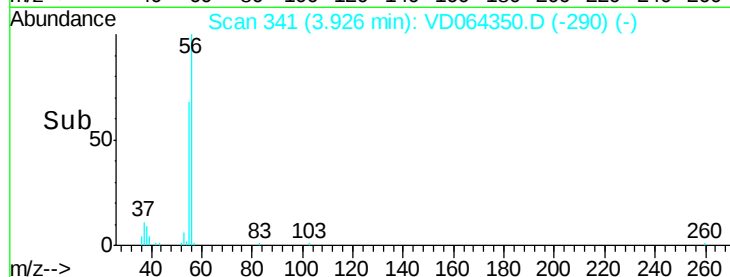
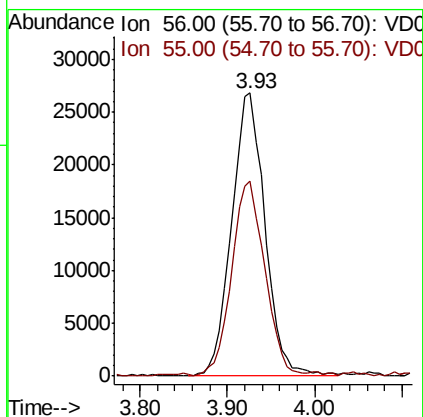
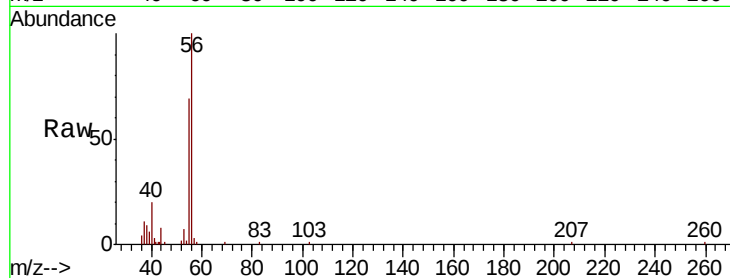
55 68.5 56.1 84.1

Manual Integrations

APPROVED

MMDadoda

11/26/2019 1:34:47 AM



#14

Allyl chloride

Concen: 45.075 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

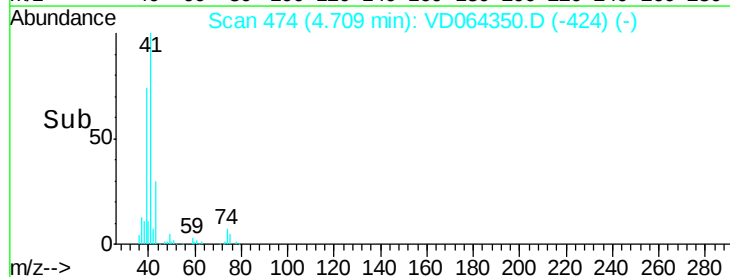
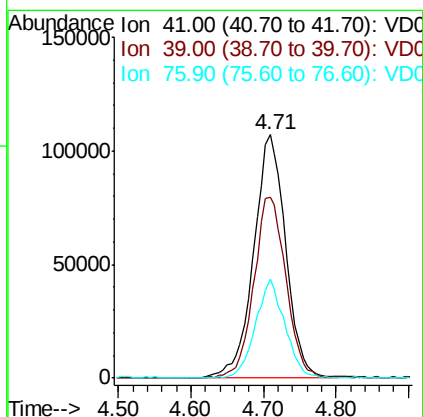
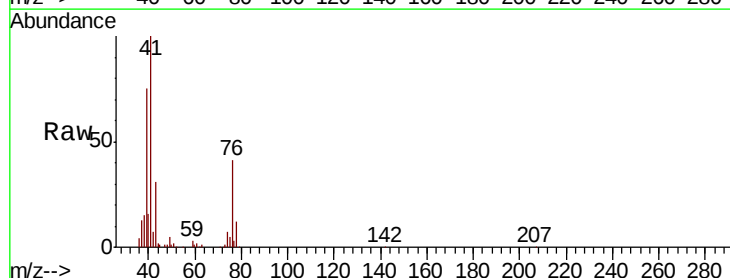
Tgt Ion: 41 Resp: 327216

Ion Ratio Lower Upper

41 100

39 75.4 57.5 86.3

76 37.1 26.8 40.2





#15

Acrylonitrile

Concen: 268.154 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

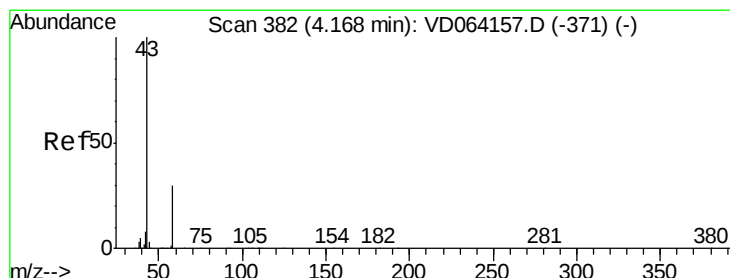
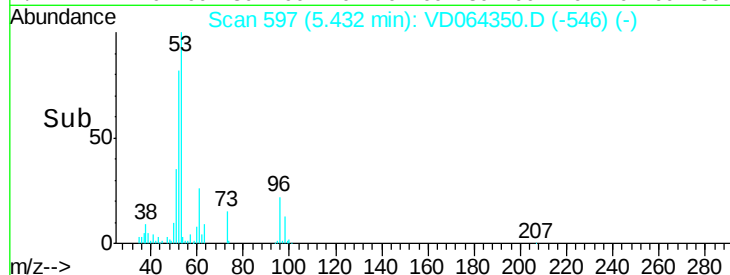
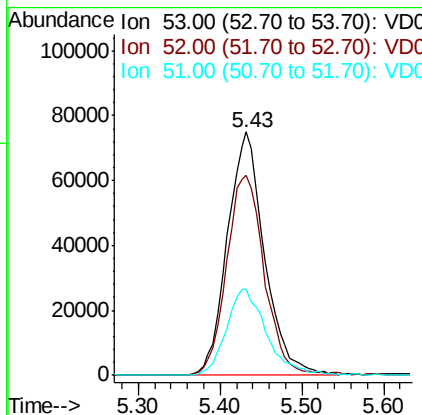
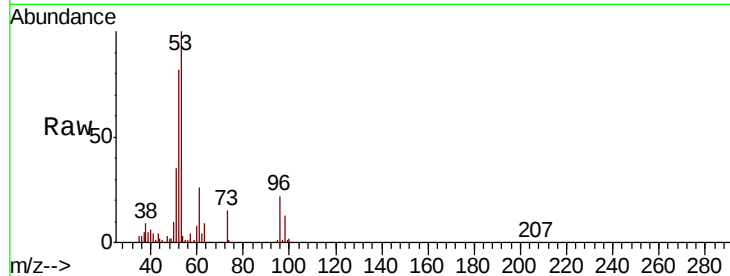
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	236887
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.7	100.1
51	38.2	30.6	46.0

Manual Integrations
APPROVED

MMDadoda
11/26/2019 1:34:47 AM



#16

Acetone

Concen: 212.359 ug/l

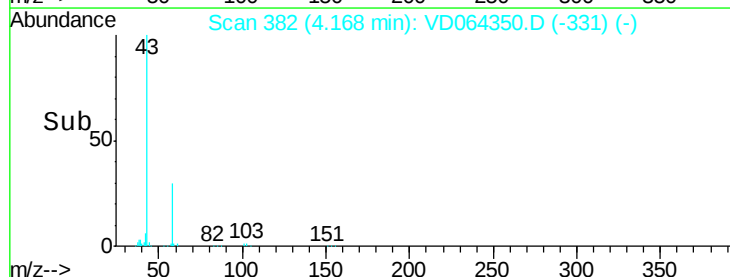
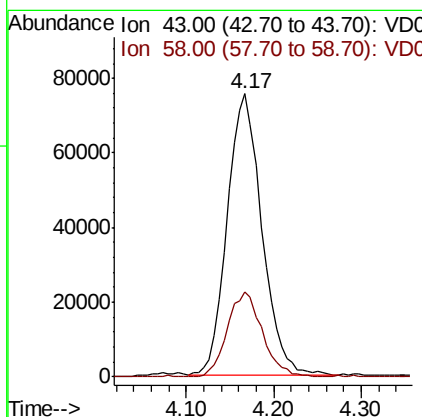
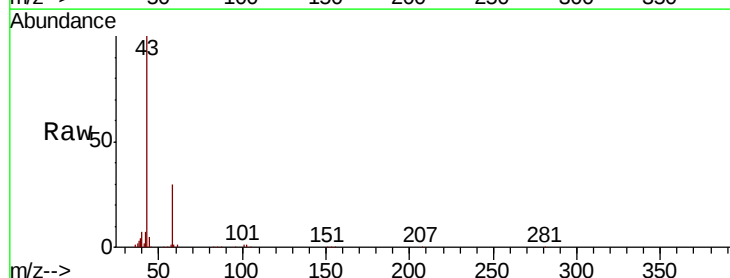
RT: 4.17 min Scan# 382

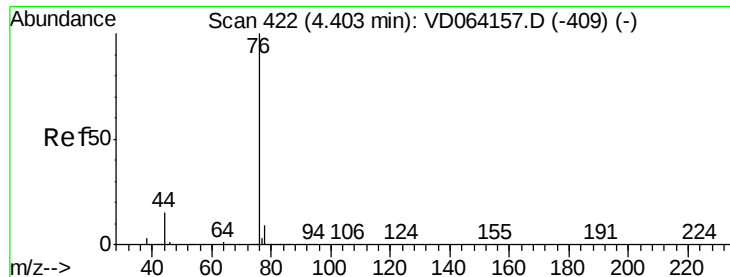
Delta R.T. -0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Tgt Ion:	43	Resp:	202168
Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.1	36.1





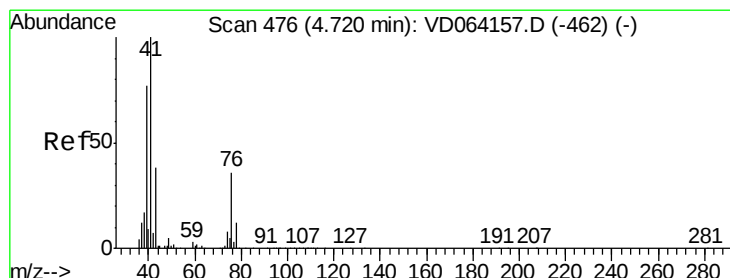
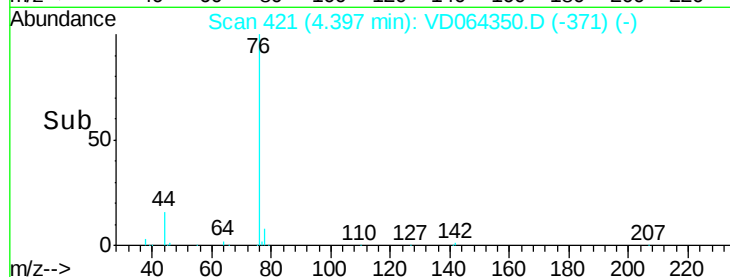
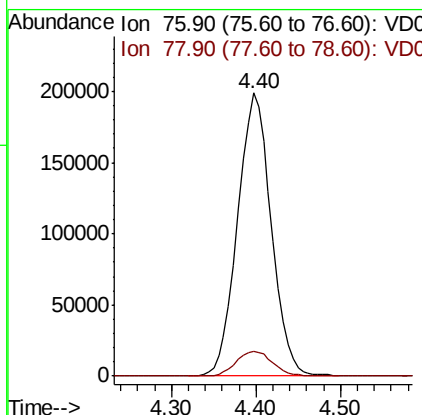
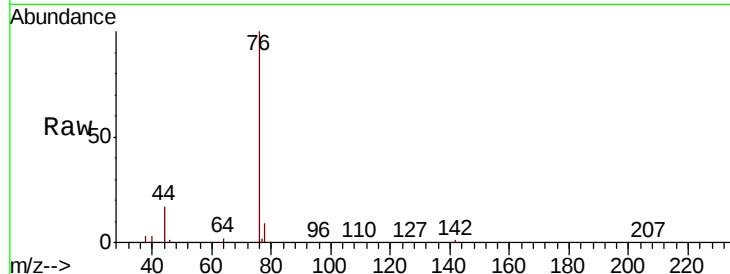
#17
Carbon Disulfide
Concen: 42.965 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.2	10.8

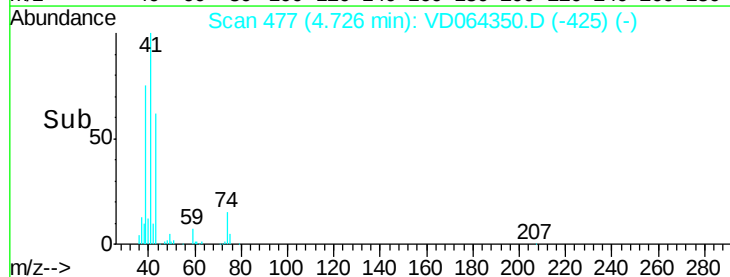
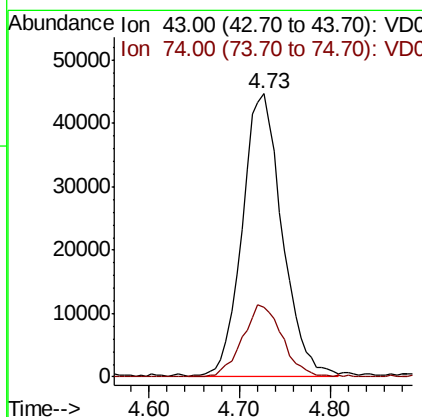
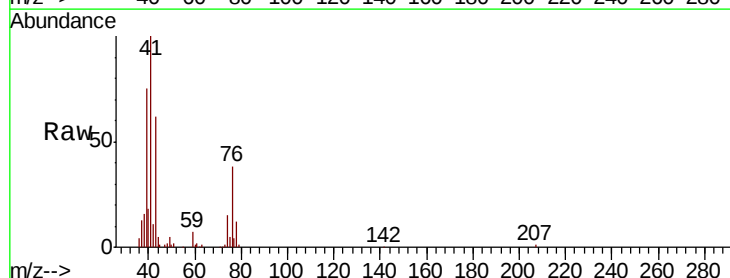
Manual Integrations
APPROVED

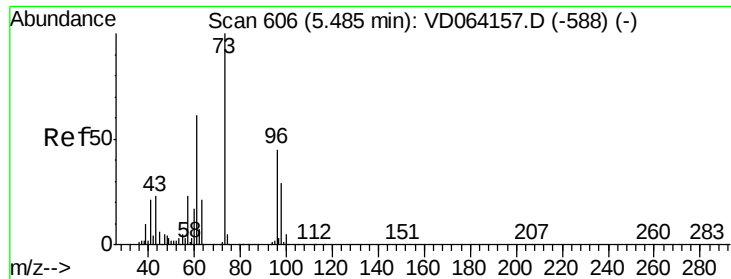
MMDadoda
11/26/2019 1:34:47 AM



#18
Methyl Acetate
Concen: 51.607 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.2	18.4	27.6





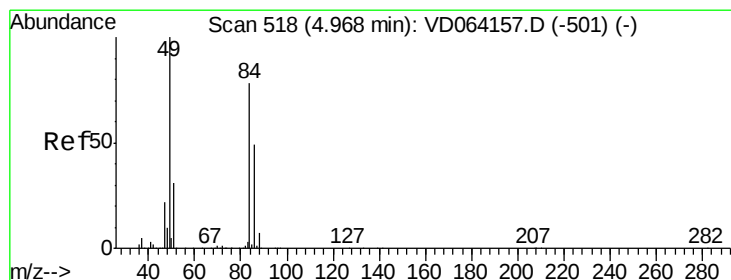
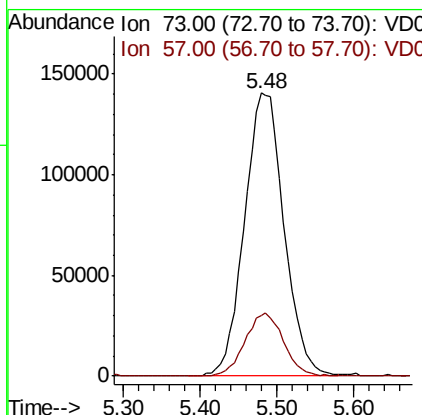
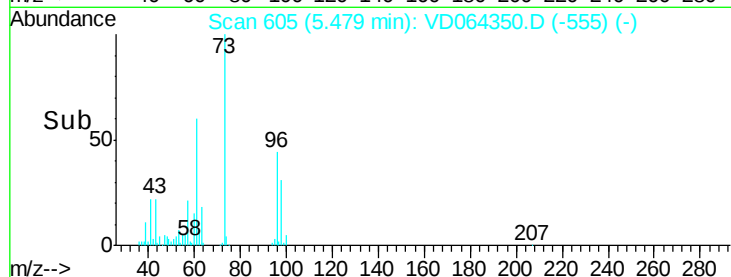
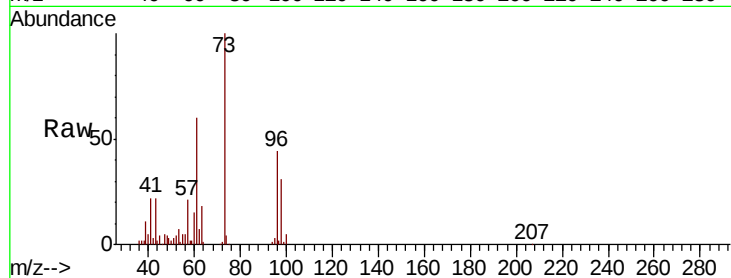
#19
Methvl tert-butvl Ether
Concen: 51.481 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 504595
Ion Ratio Lower Upper
73 100
57 21.2 18.4 27.6

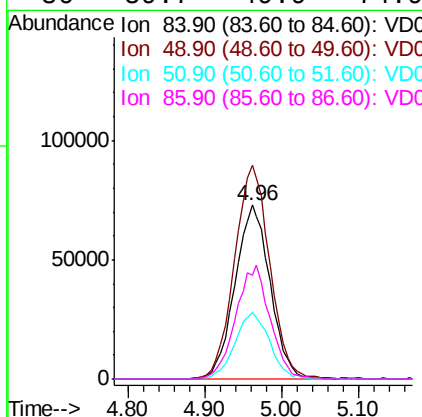
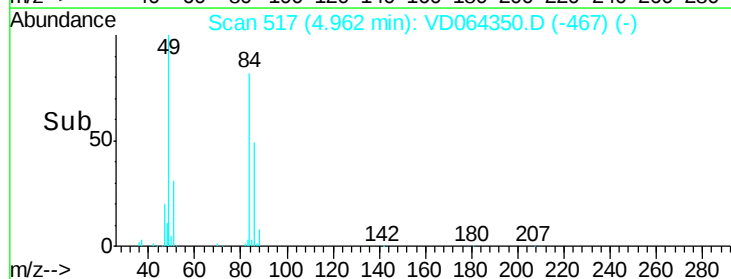
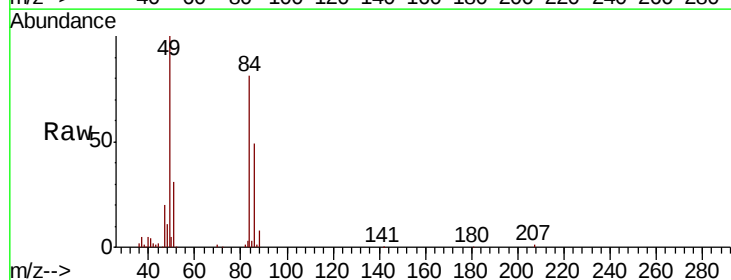
Manual Integrations
APPROVED

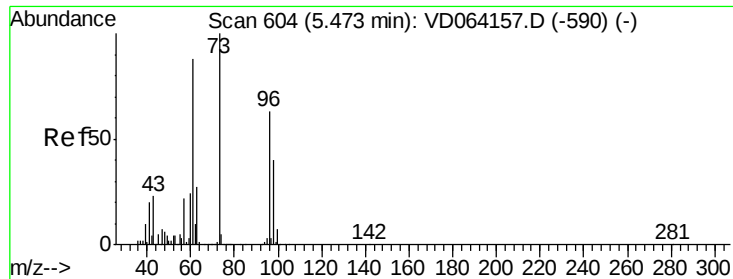
MMDadoda
11/26/2019 1:34:47 AM



#20
Methylene Chloride
Concen: 48.446 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion: 84 Resp: 232975
Ion Ratio Lower Upper
84 100
49 122.9 102.1 153.1
51 38.4 32.2 48.2
86 59.7 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 49.311 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

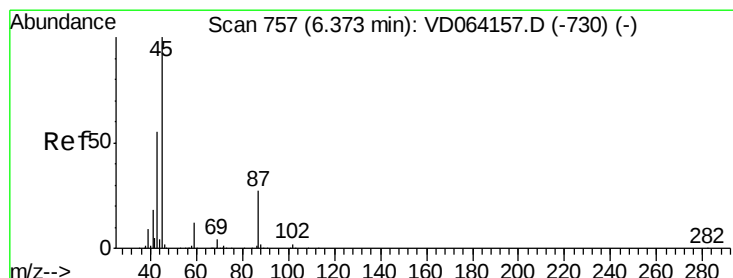
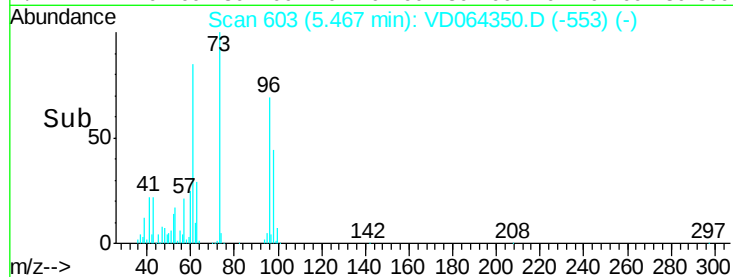
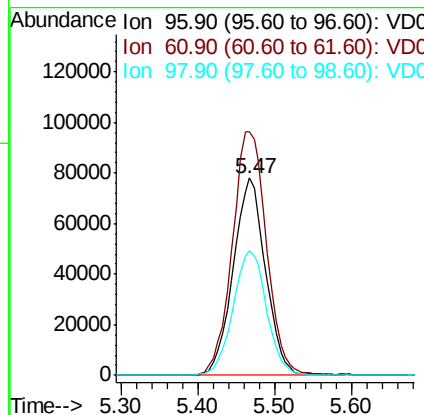
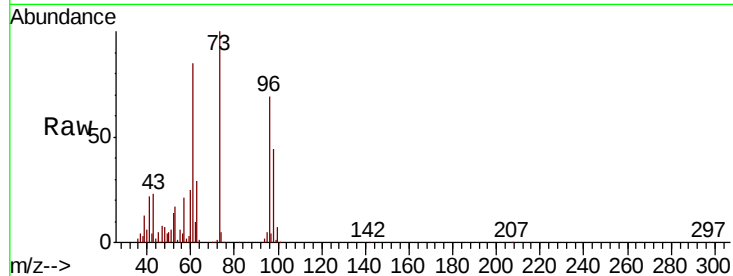
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	229381
Ion	Ratio	Lower	Upper
96	100		
61	123.6	111.8	167.6
98	63.5	50.3	75.5

Manual Integrations
APPROVED

MMDadoda
11/26/2019 1:34:47 AM



#22

Diisopropyl ether

Concen: 50.577 ug/l

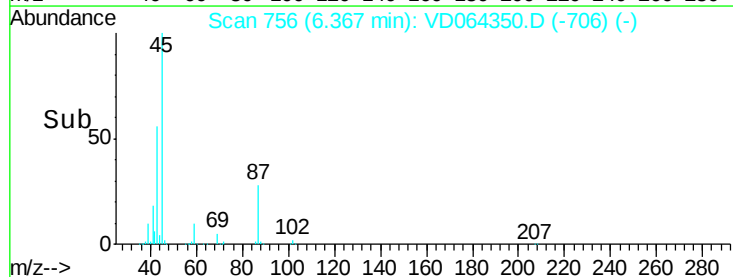
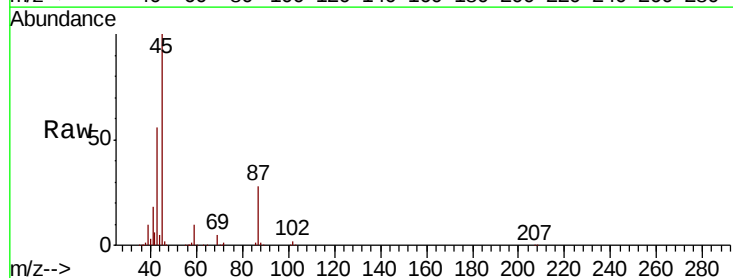
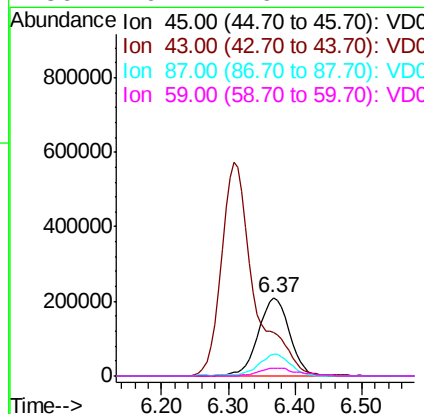
RT: 6.37 min Scan# 756

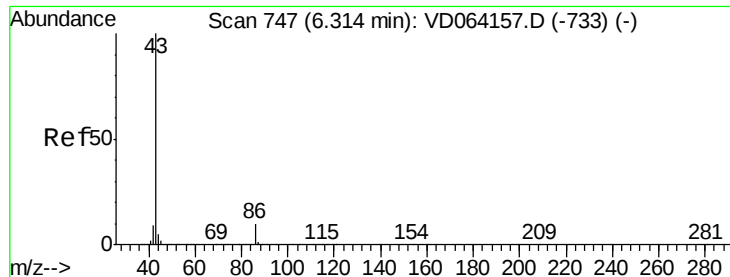
Delta R.T. -0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Tgt Ion:	45	Resp:	681232
Ion	Ratio	Lower	Upper
45	100		
43	55.7	44.4	66.6
87	27.8	21.9	32.9
59	10.2	9.4	14.2





#23

Vinyl Acetate

Concen: 262.257 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1969035

Ion Ratio Lower Upper

43 100

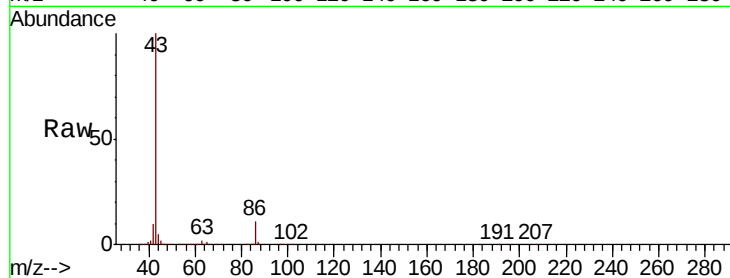
86 11.3 8.2 12.2

Manual Integrations

APPROVED

MMDadoda

11/26/2019 1:34:47 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

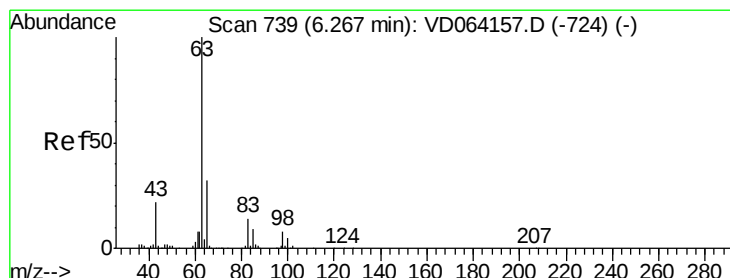
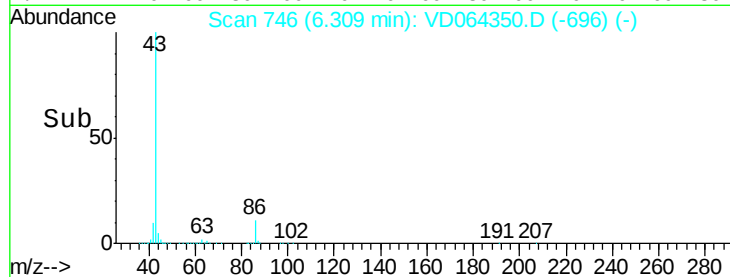
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.223 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

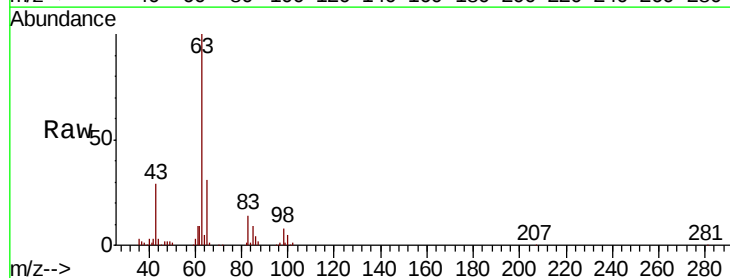
Tgt Ion: 63 Resp: 392777

Ion Ratio Lower Upper

63 100

98 7.6 3.8 11.4

100 4.6 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

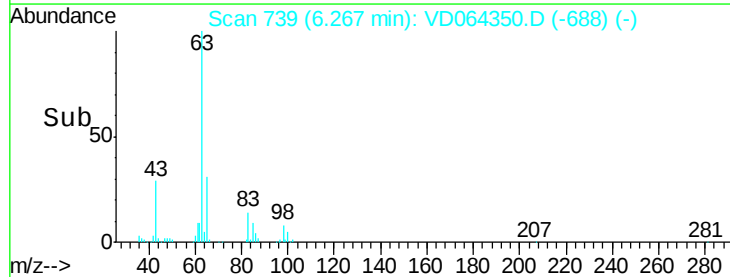
150000

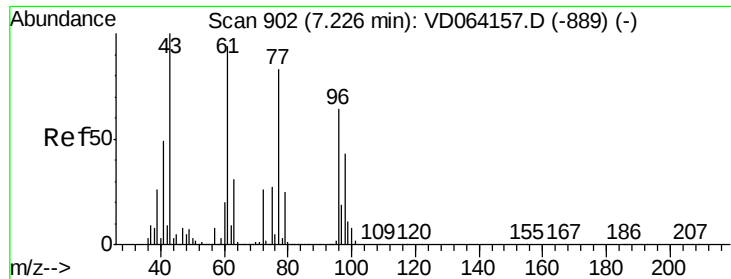
100000

50000

0

Time-->





#25

2-Butanone

Concen: 247.671 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 304621

Ion Ratio Lower Upper

43 100

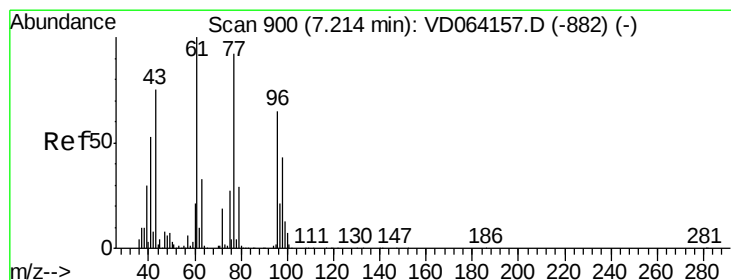
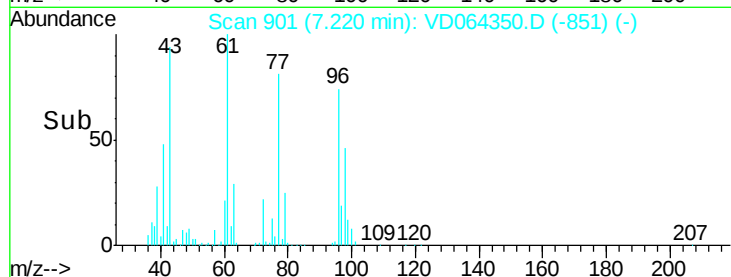
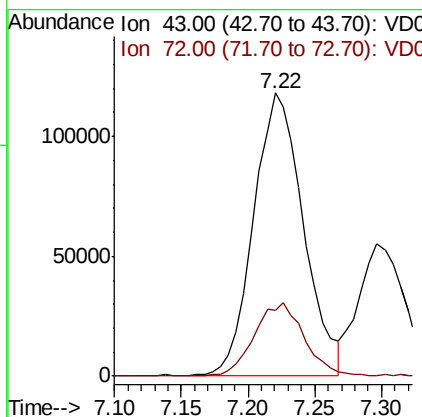
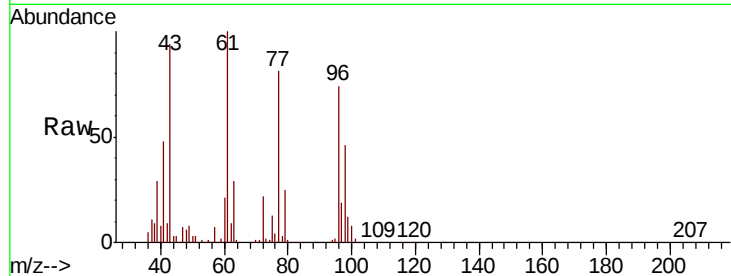
72 23.4 20.6 30.8

Manual Integrations

APPROVED

MMDadoda

11/26/2019 1:34:47 AM



#26

2,2-Dichloropropane

Concen: 45.987 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064350.D

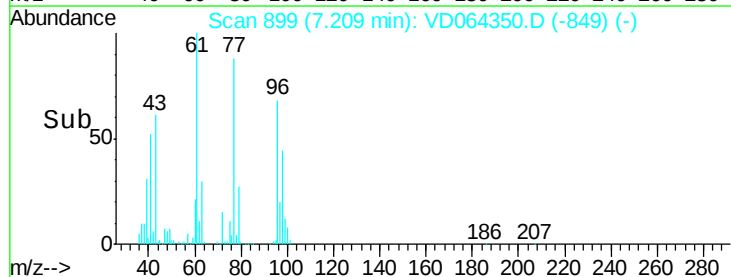
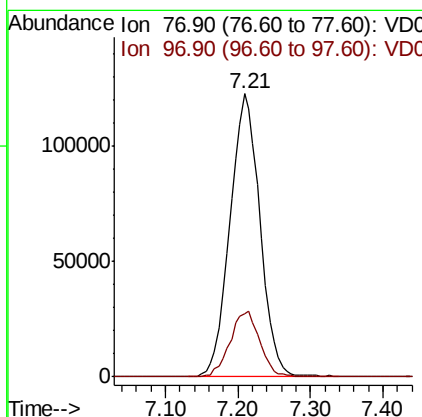
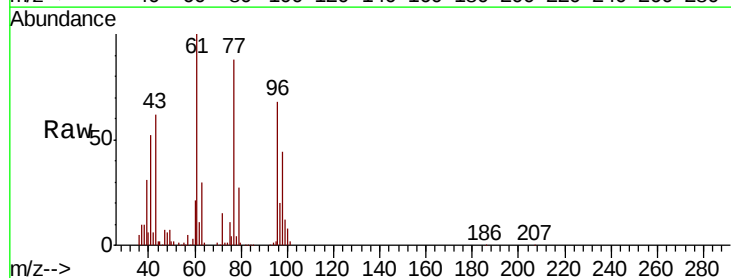
Acq: 22 Nov 2019 17:20

Tgt Ion: 77 Resp: 352699

Ion Ratio Lower Upper

77 100

97 23.0 11.1 33.3





#27

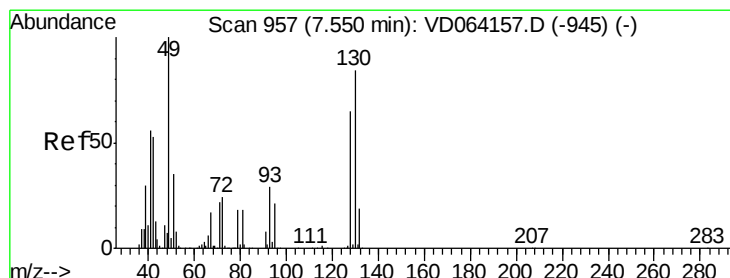
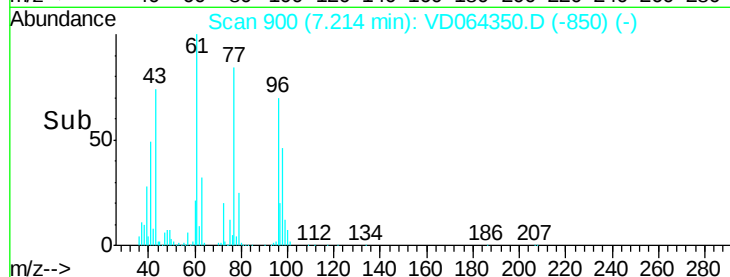
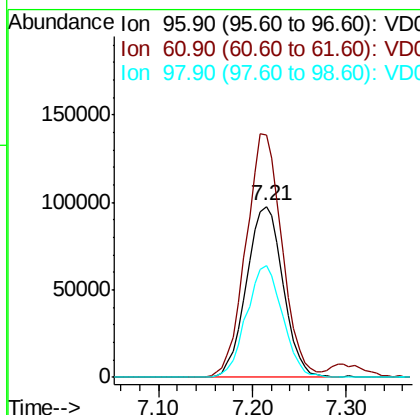
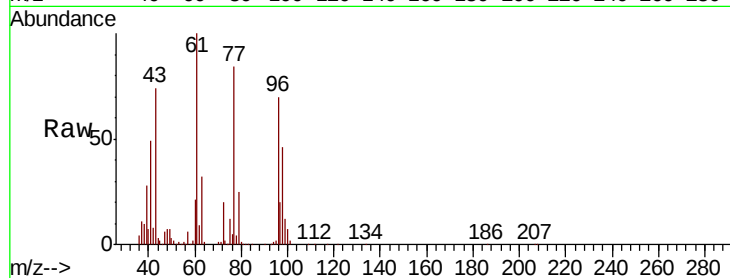
cis-1,2-Dichloroethene
 Concen: 52.747 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	263126		
61	140.9		0.0	301.4
98	65.0		0.0	133.2

Manual Integrations
 APPROVED

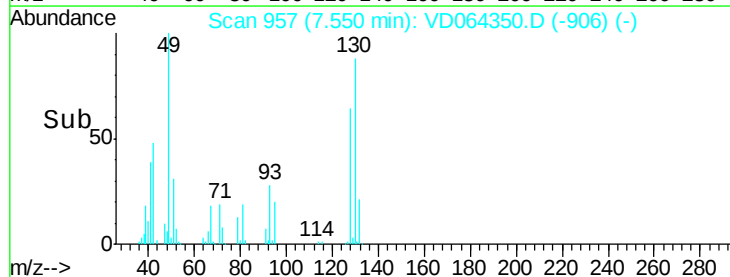
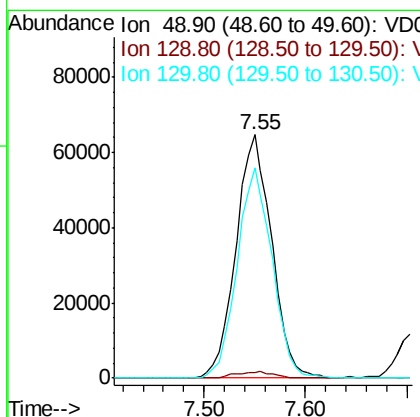
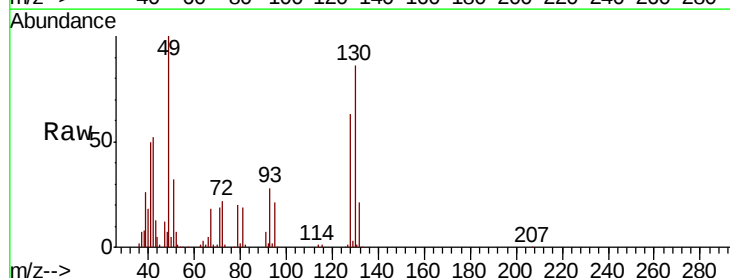
MMDadoda
 11/26/2019 1:34:47 AM

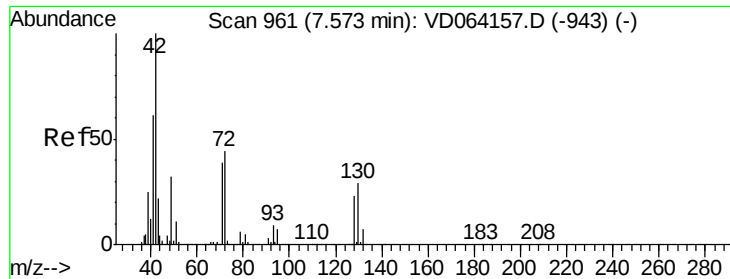


#28

Bromochloromethane
 Concen: 58.291 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	158711		
129	2.8		0.0	4.4
130	84.7		66.8	100.2





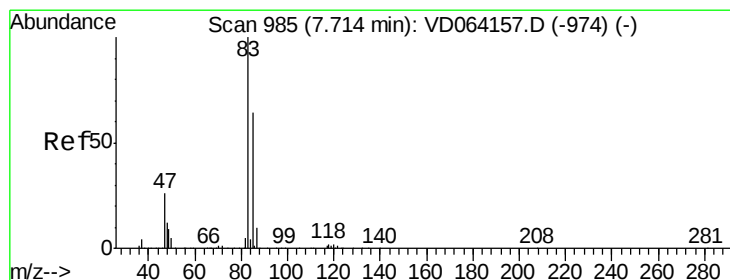
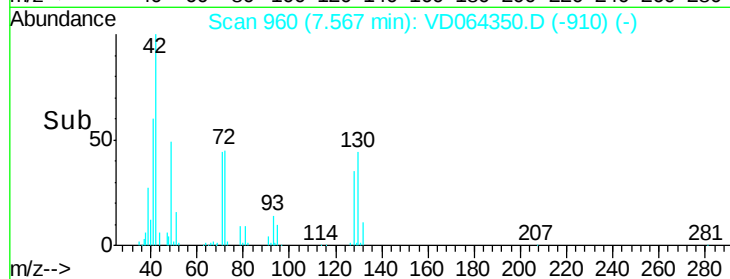
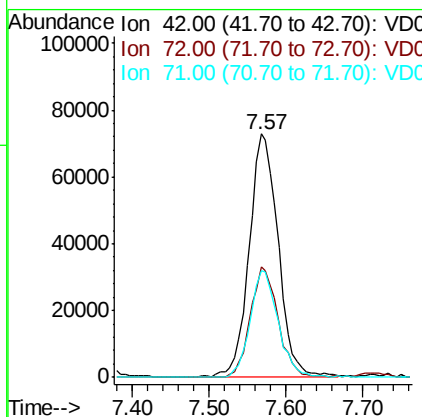
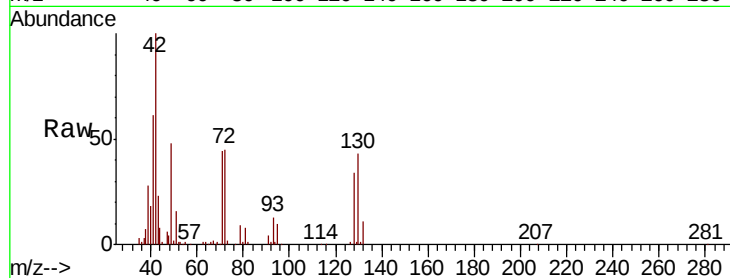
#29
Tetrahydrofuran
Concen: 261.364 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.4	50.2
71	42.1	31.0	46.4

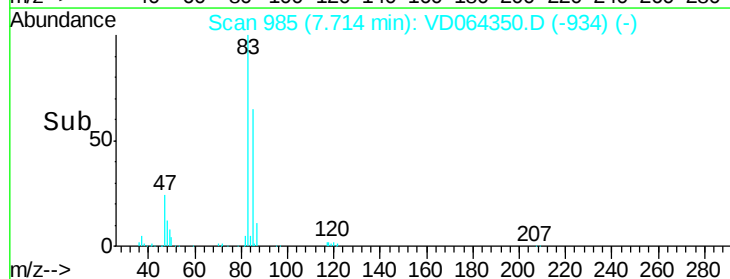
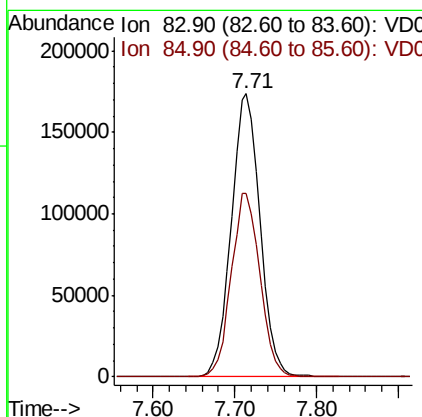
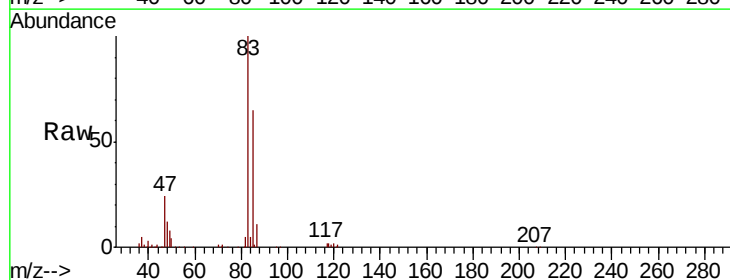
Manual Integrations
APPROVED

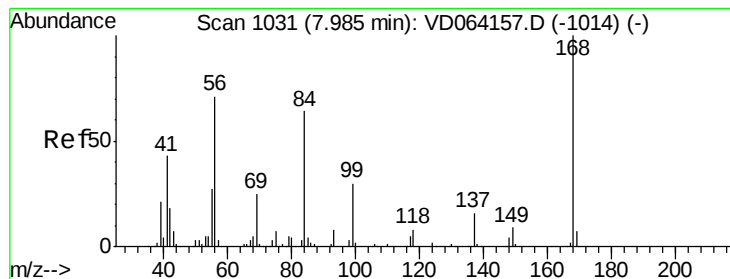
MMDadoda
11/26/2019 1:34:47 AM



#30
Chloroform
Concen: 53.103 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.4	77.0





#31

Cyclohexane

Concen: 43.053 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 339569

Ion Ratio Lower Upper

56 100

69 35.3 28.2 42.4

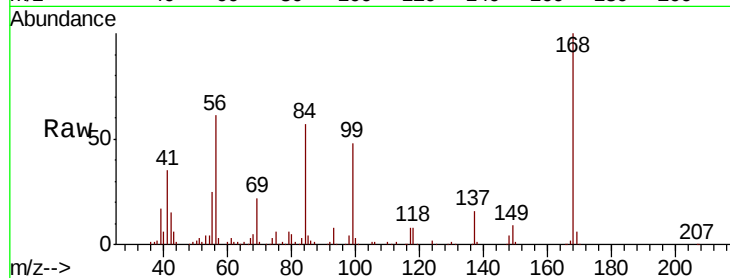
84 91.0 71.8 107.6

Manual Integrations

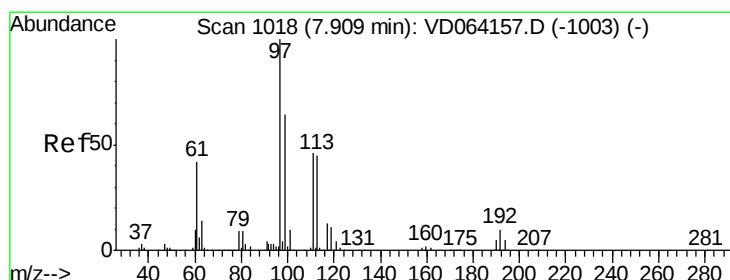
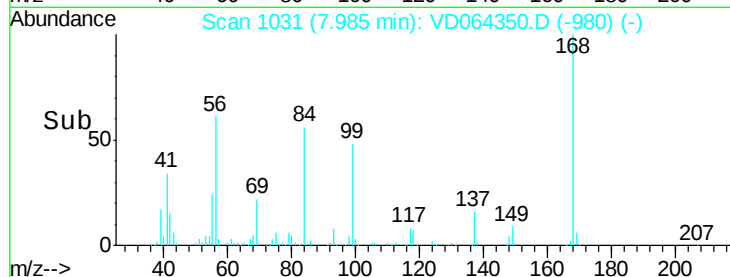
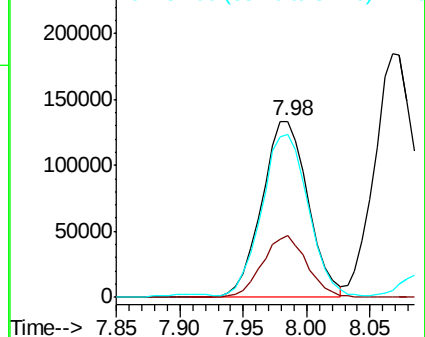
APPROVED

MMDadoda

11/26/2019 1:34:47 AM



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 48.988 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

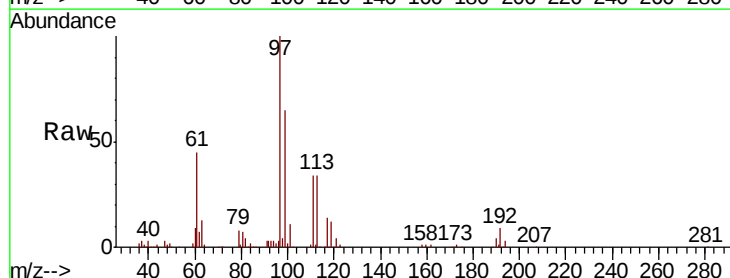
Tgt Ion: 97 Resp: 375243

Ion Ratio Lower Upper

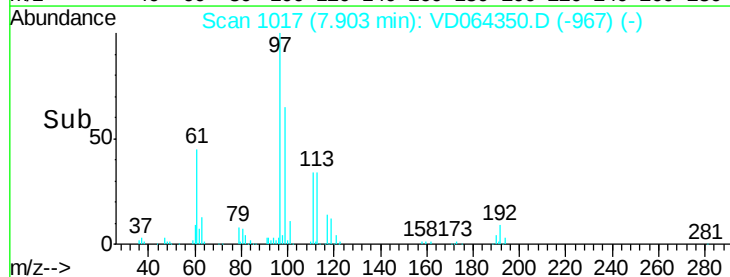
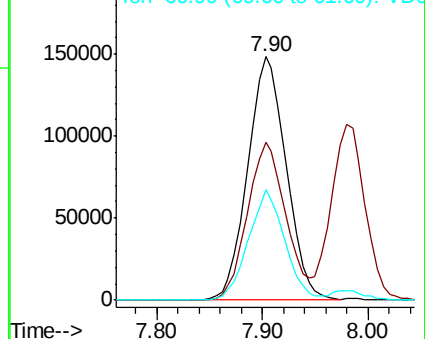
97 100

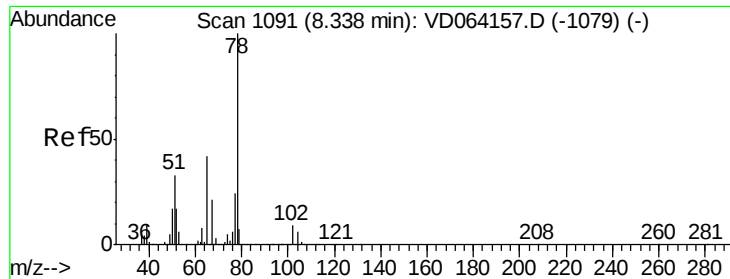
99 64.6 51.6 77.4

61 43.2 34.2 51.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 48.390 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 194459

Ion Ratio Lower Upper

65 100

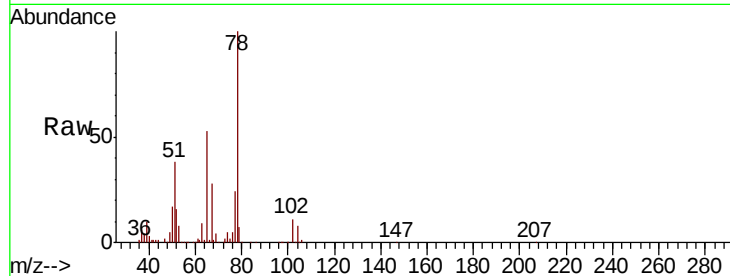
67 51.9 0.0 104.4

Manual Integrations

APPROVED

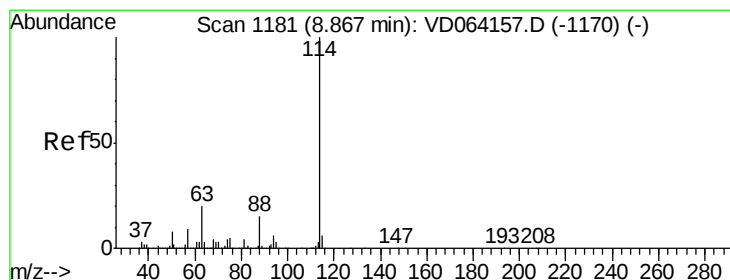
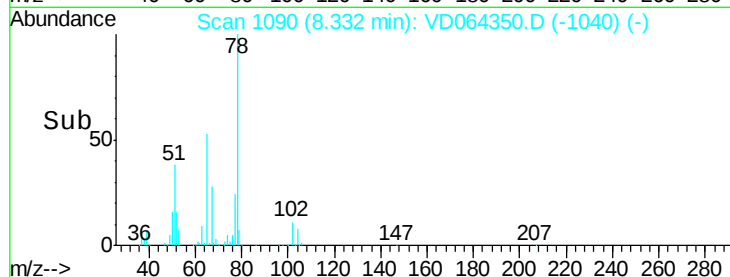
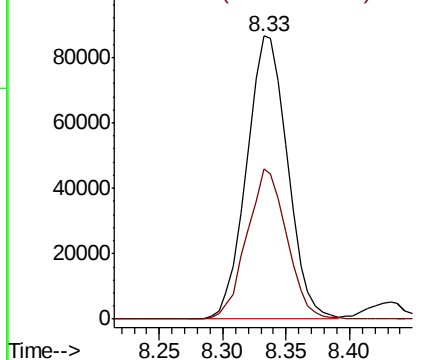
MMDadoda

11/26/2019 1:34:47 AM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

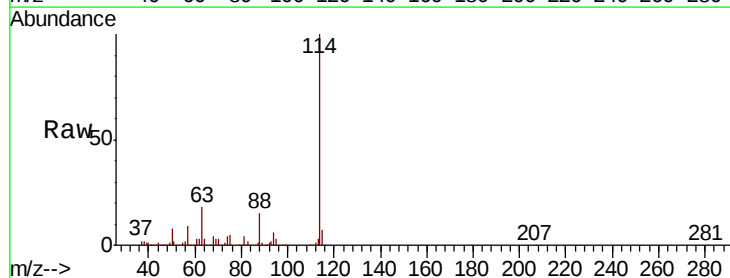
Tgt Ion: 114 Resp: 711392

Ion Ratio Lower Upper

114 100

63 18.3 0.0 40.0

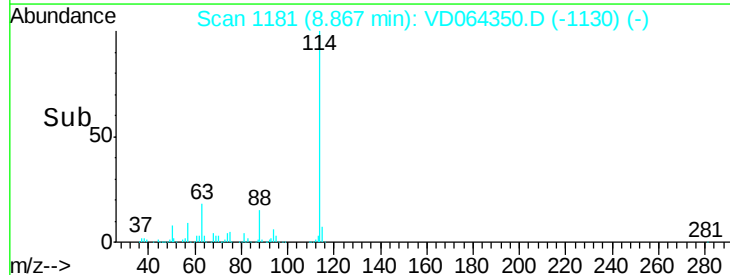
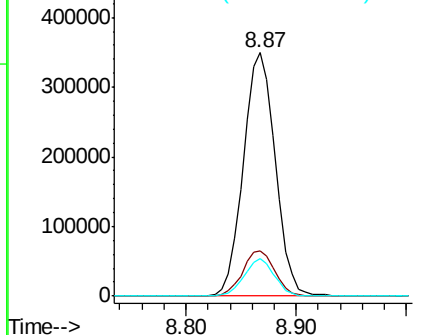
88 15.3 0.0 30.2

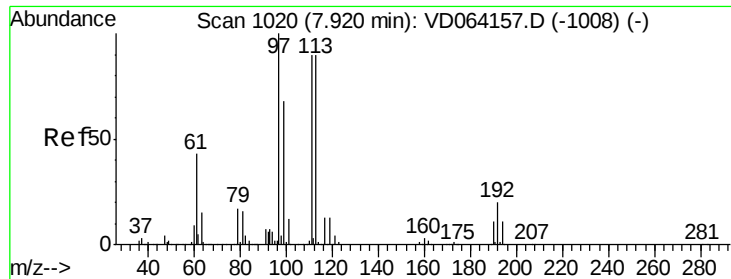


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





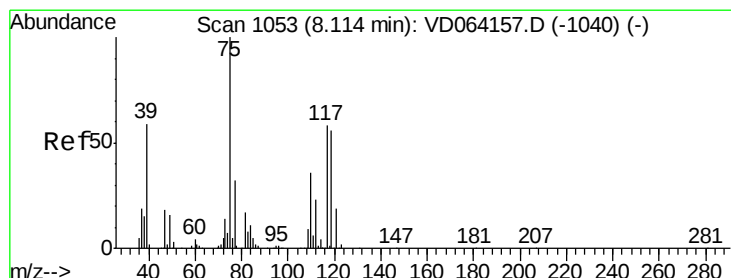
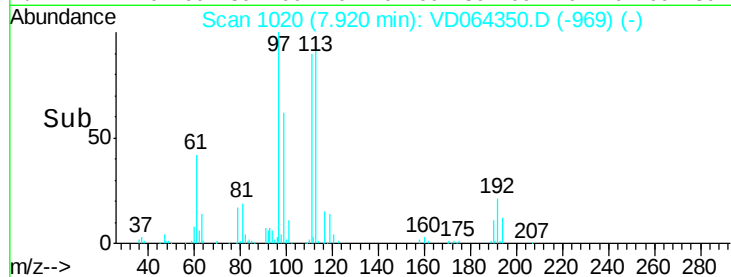
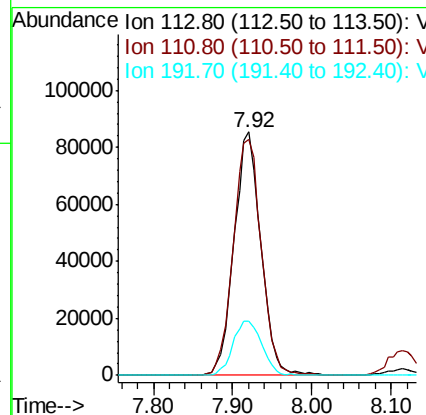
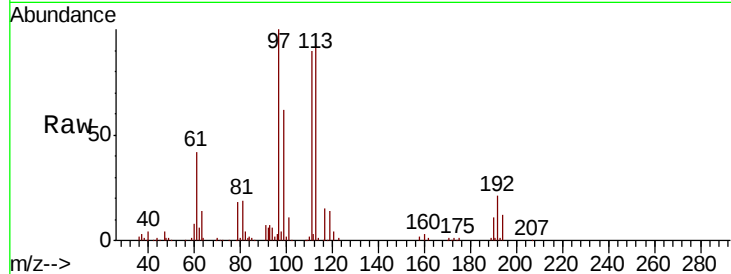
#35
 Dibromofluoromethane
 Concen: 49.009 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	200129		
111	101.5		81.5	122.3
192	23.9		18.8	28.2

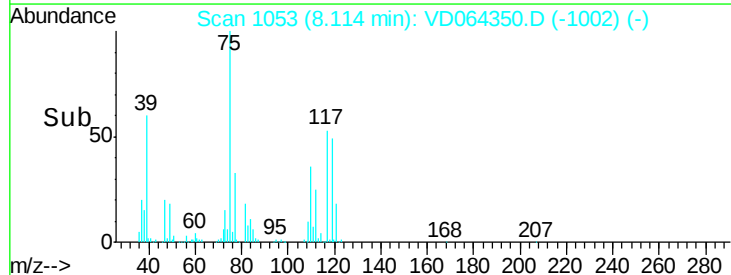
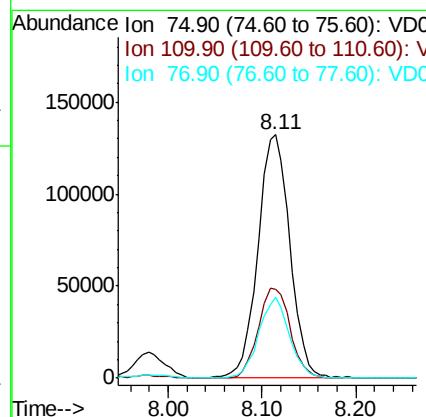
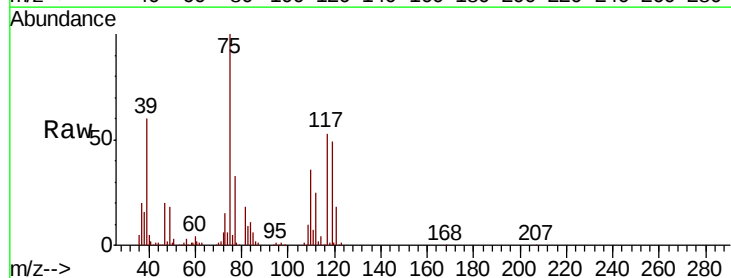
Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 1:34:47 AM



#36
 1,1-Dichloropropene
 Concen: 47.032 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	308791		
110	37.6		18.3	54.9
77	32.3		25.0	37.6





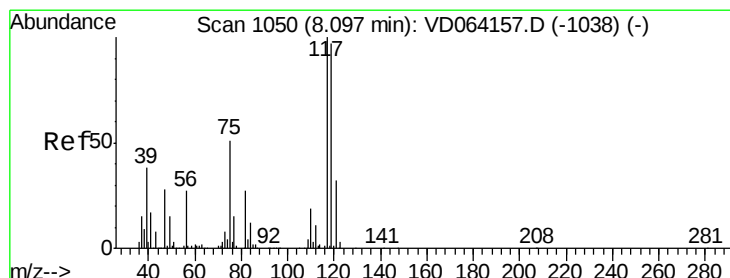
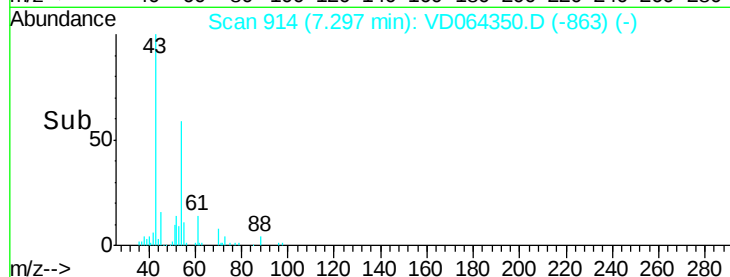
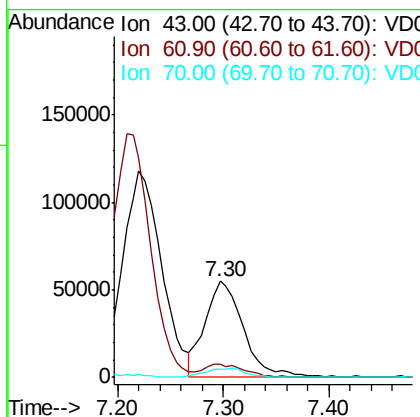
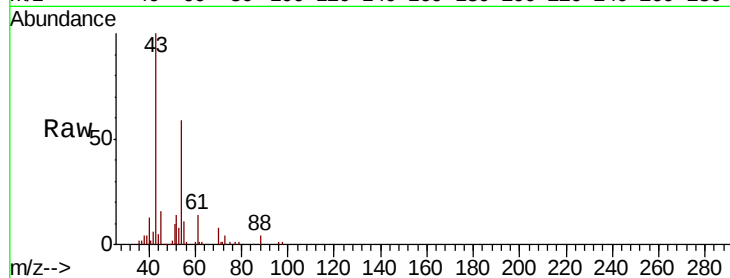
#37
Ethyl Acetate
Concen: 49.288 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.2	15.2
70	9.9	8.5	12.7

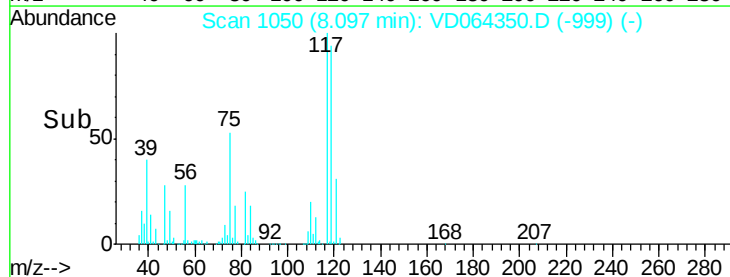
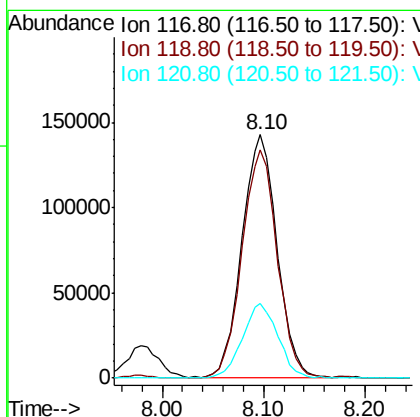
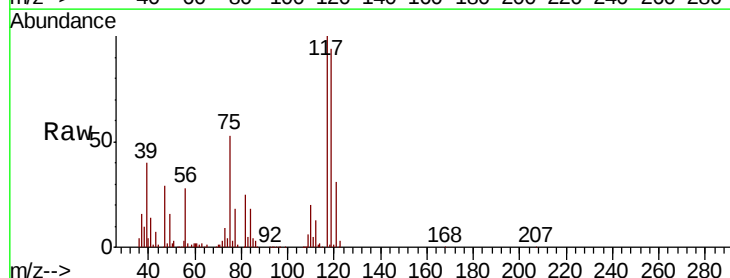
Manual Integrations
APPROVED

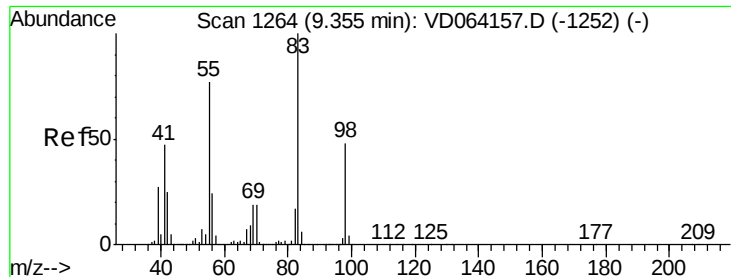
MMDadoda
11/26/2019 1:34:47 AM



#38
Carbon Tetrachloride
Concen: 48.605 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.2	115.8
121	30.8	25.5	38.3





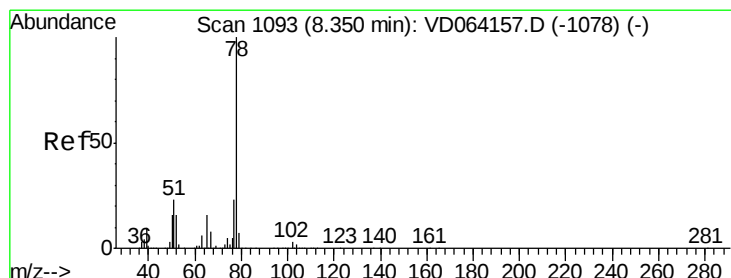
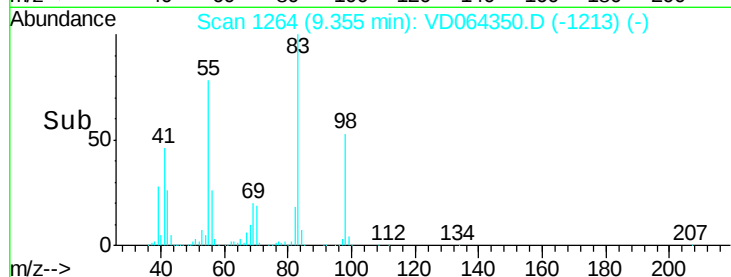
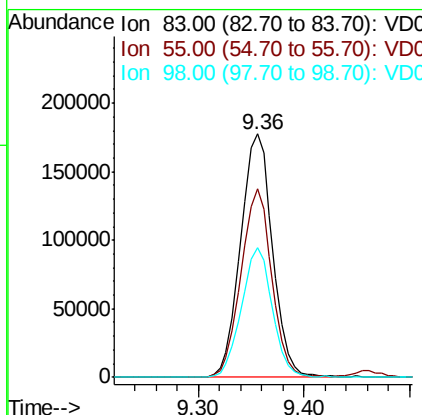
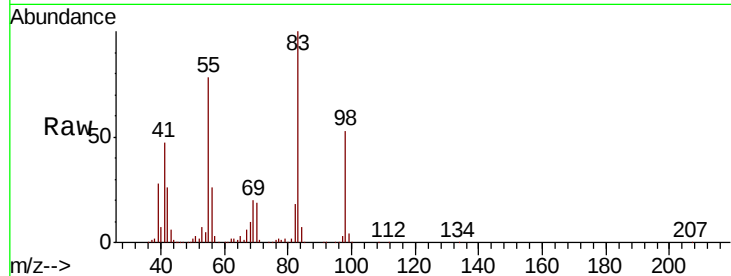
#39
Methvlcvclohexane
Concen: 44.964 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.7	92.5
98	53.0	38.6	58.0

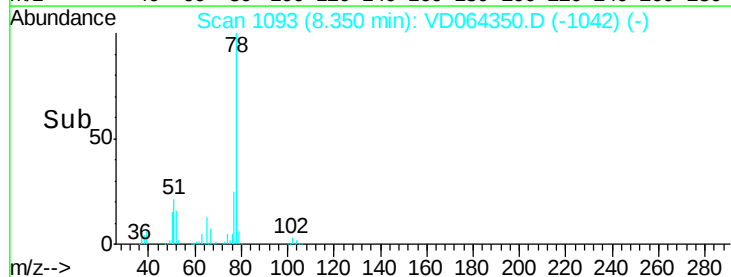
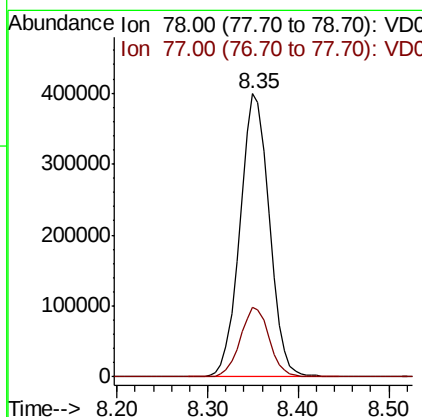
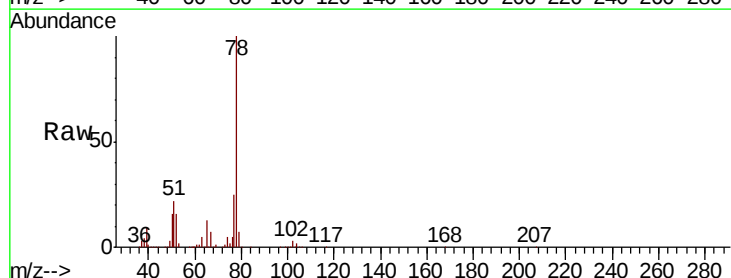
Manual Integrations
APPROVED

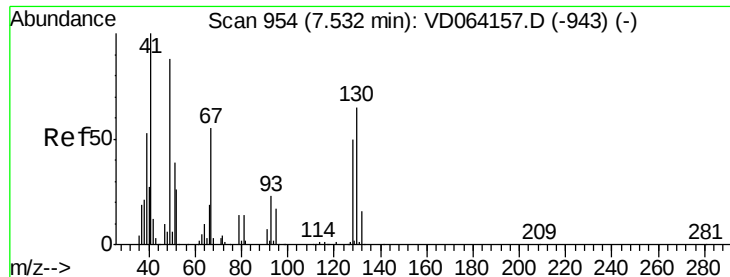
MMDadoda
11/26/2019 1:34:47 AM



#40
Benzene
Concen: 49.957 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.6	28.0





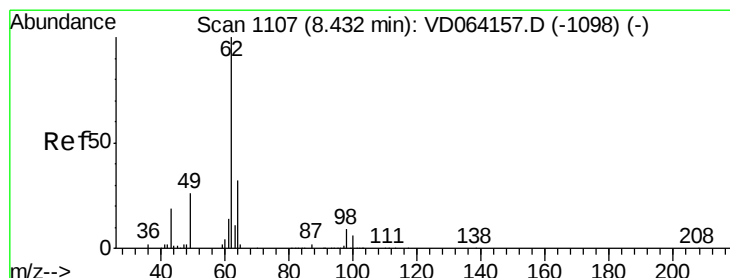
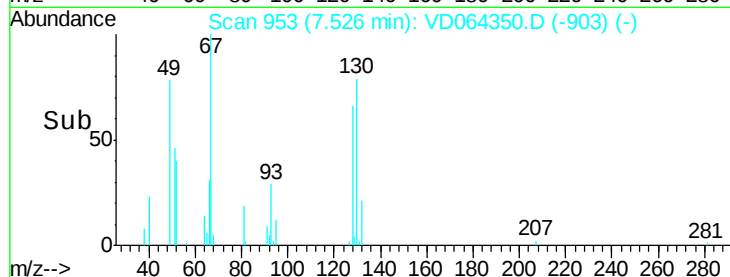
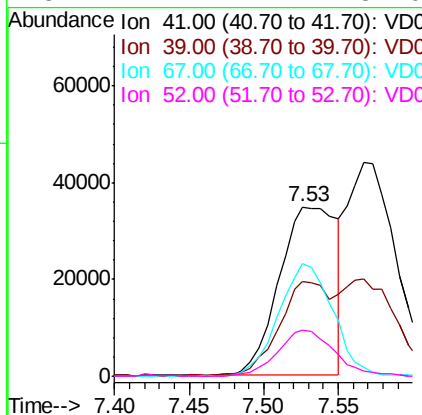
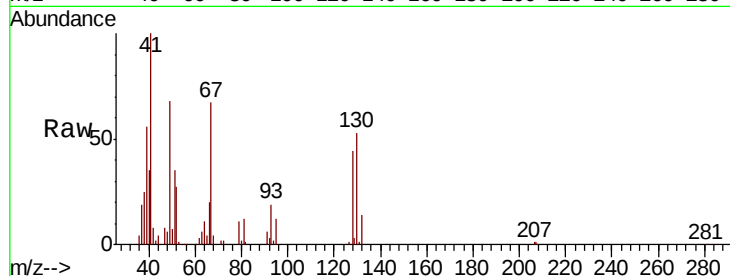
#41
Methacrylonitrile
Concen: 53.728 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	47.9	49.4	74.2#	
67	63.4	49.6	74.4	
52	27.2	21.4	32.0	

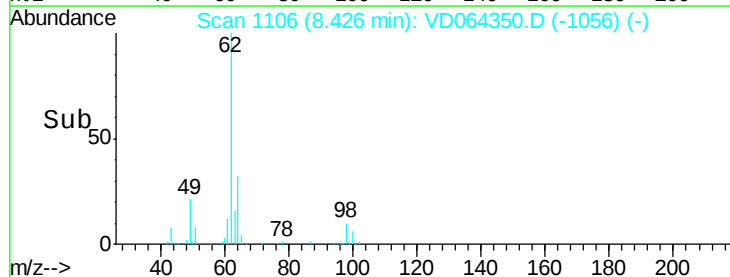
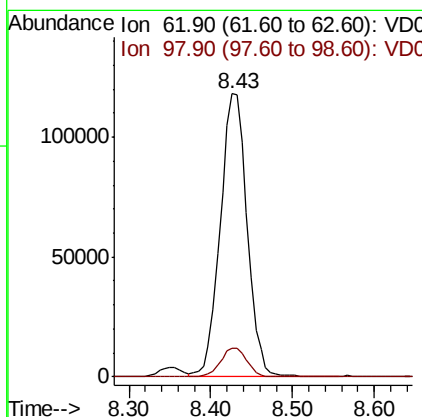
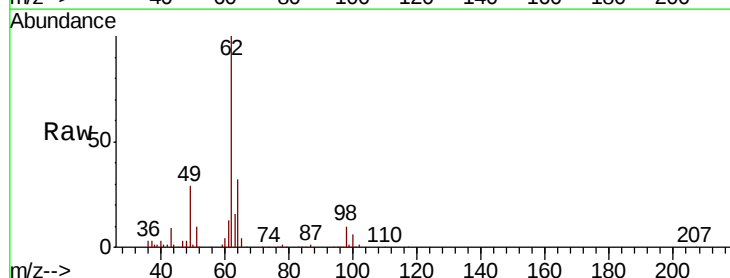
Manual Integrations
APPROVED

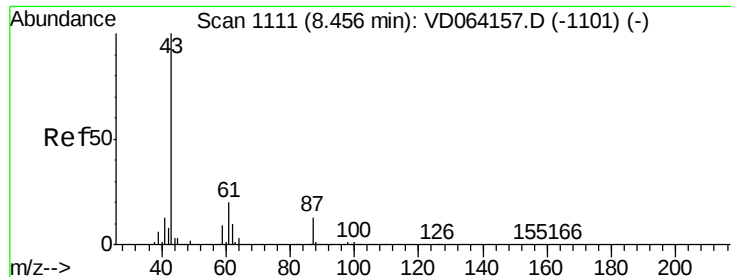
MMDadoda
11/26/2019 1:34:47 AM



#42
1,2-Dichloroethane
Concen: 50.251 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.0	





#43

Isopropyl Acetate

Concen: 48.436 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

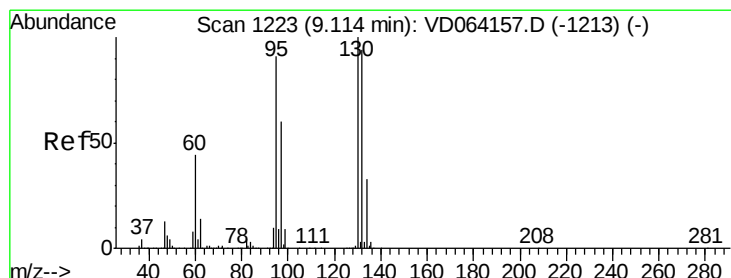
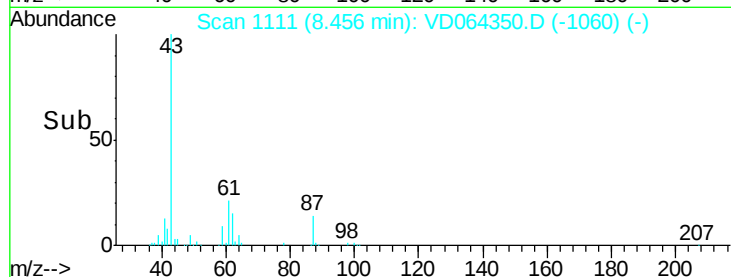
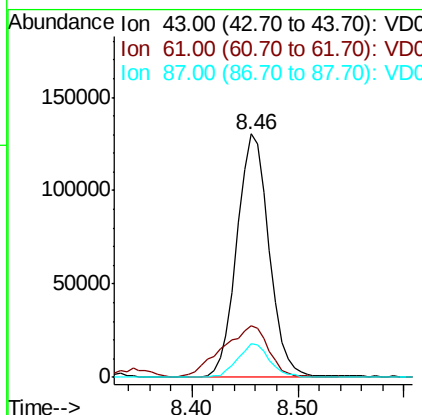
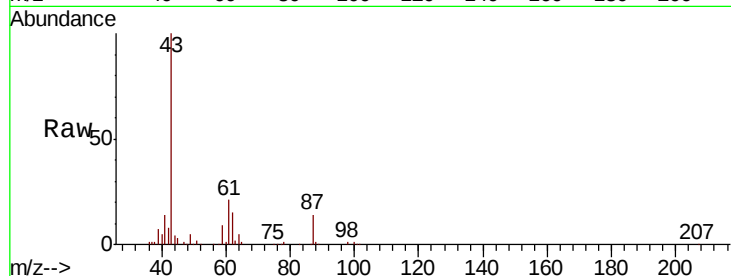
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	276226
Ion	Ratio	Lower	Upper
43	100		
61	30.4	22.9	34.3
87	13.7	10.2	15.2

Manual Integrations
APPROVED

MMDadoda
11/26/2019 1:34:47 AM



#44

Trichloroethene

Concen: 49.571 ug/l

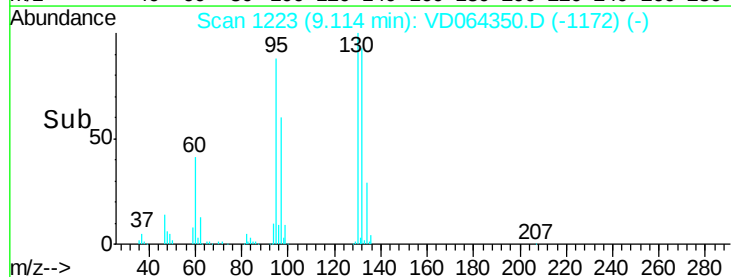
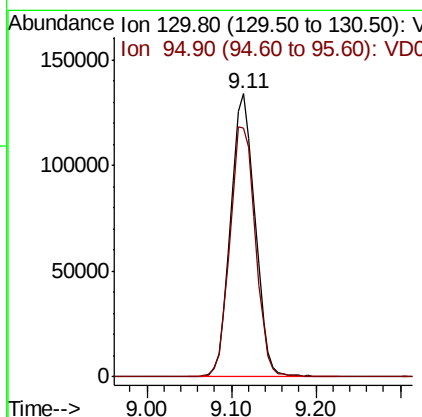
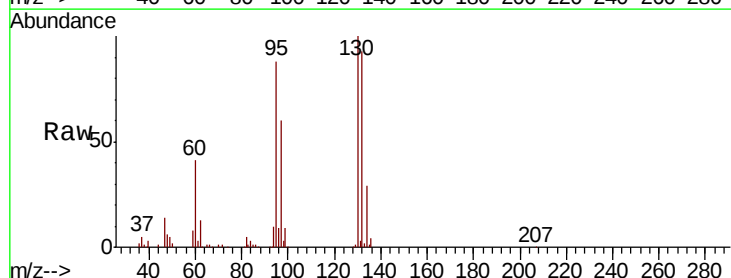
RT: 9.11 min Scan# 1223

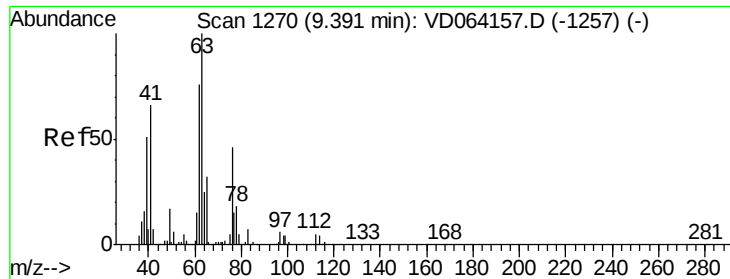
Delta R.T. -0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Tgt Ion:	130	Resp:	266962
Ion	Ratio	Lower	Upper
130	100		
95	88.0	0.0	181.6





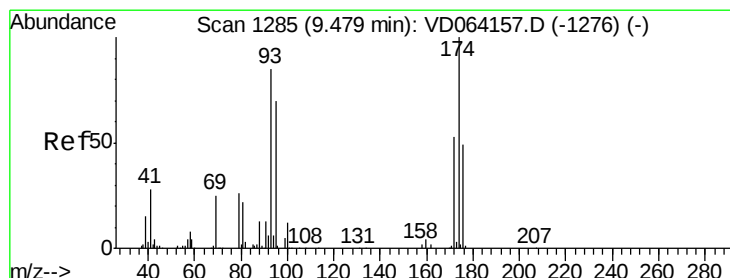
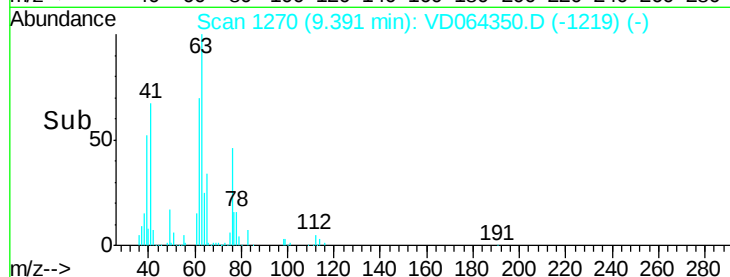
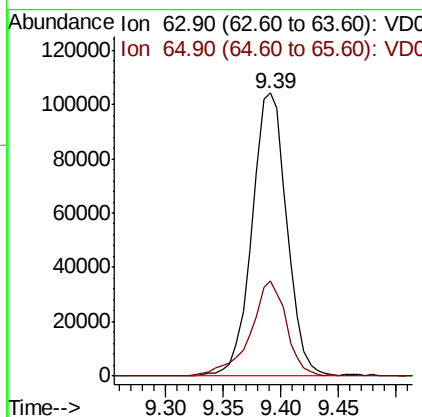
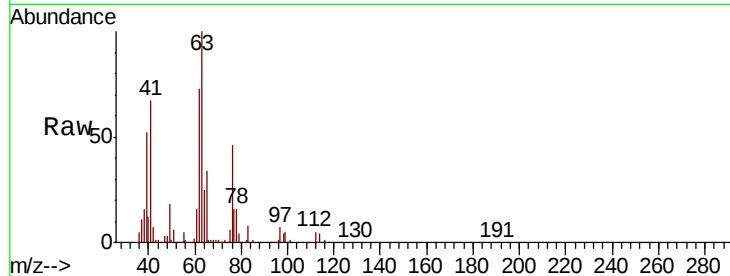
#45
 1,2-Dichloropropane
 Concen: 50.299 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.6	25.7	38.5

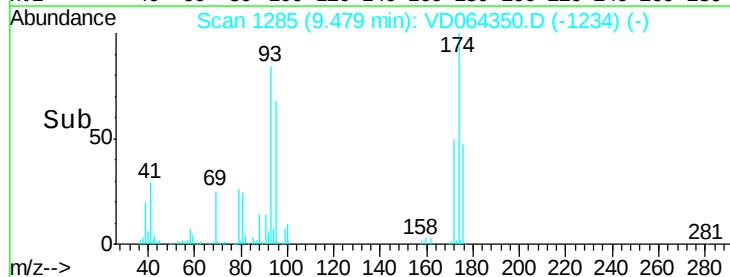
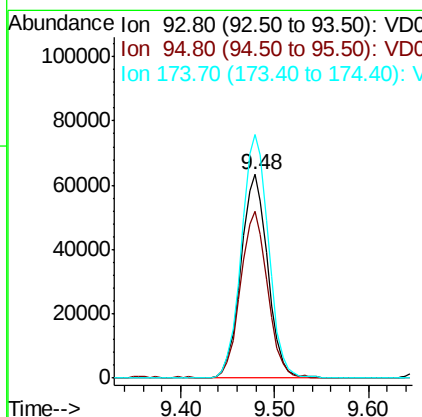
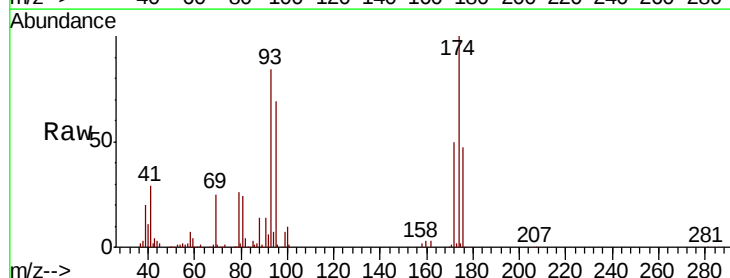
Manual Integrations
 APPROVED

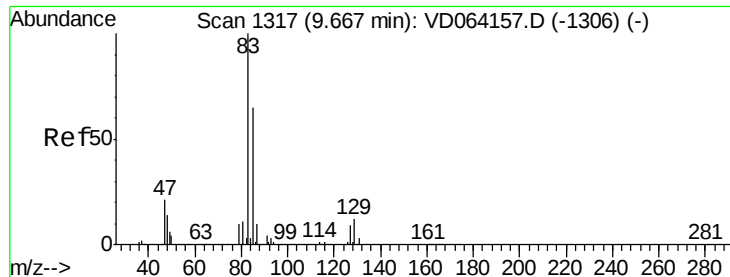
MMDadoda
 11/26/2019 1:34:47 AM



#46
 Dibromomethane
 Concen: 53.568 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	65.5	98.3
174	120.7	93.9	140.9





#47

Bromodichloromethane

Concen: 51.928 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

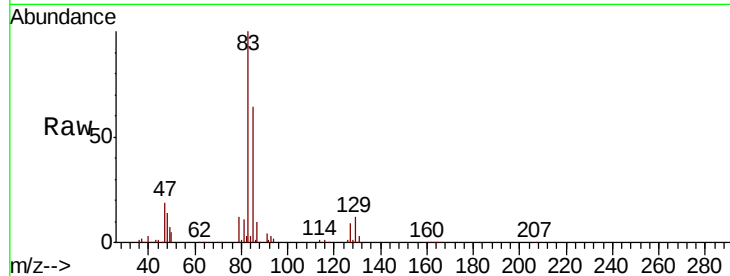
ClientSampleId :

VSTDCCC050EC

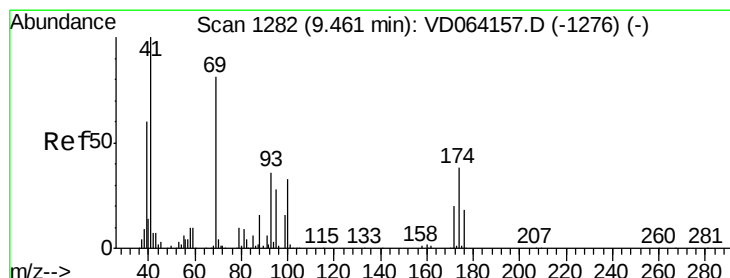
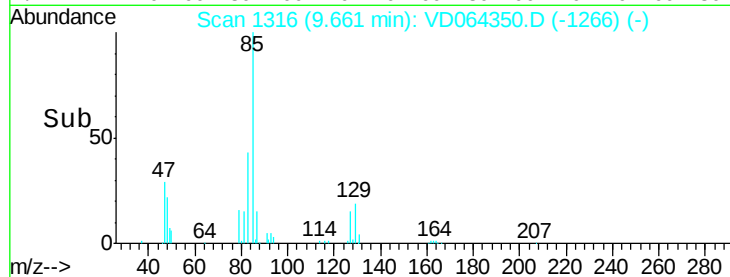
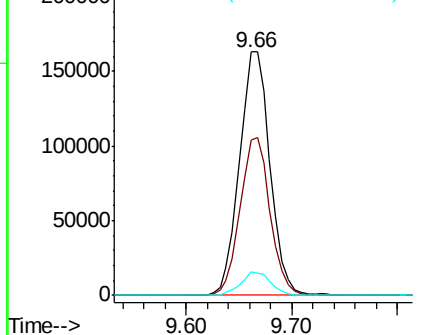
Tot Ion:	83	Resp:	327048
Ion	Ratio	Lower	Upper
83	100		
85	63.6	52.2	78.4
127	9.4	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
11/26/2019 1:34:47 AM



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 47.345 ug/l

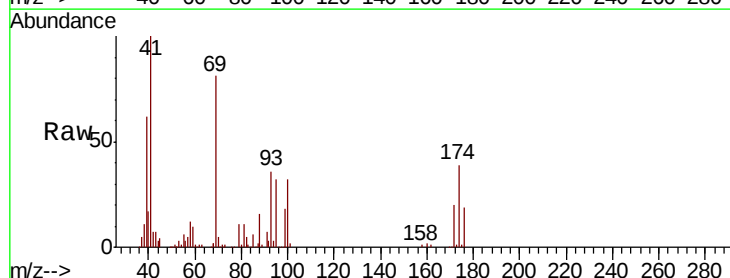
RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

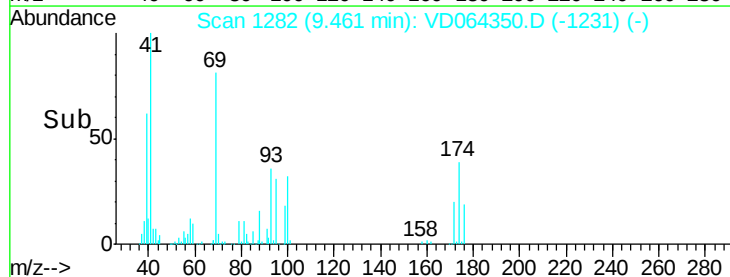
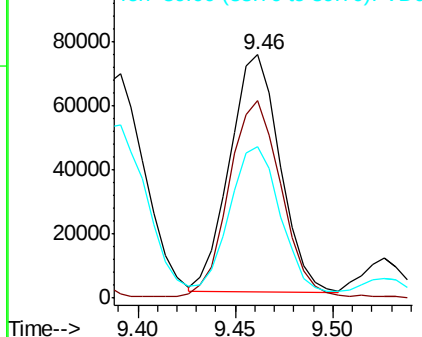
Lab File: VD064350.D

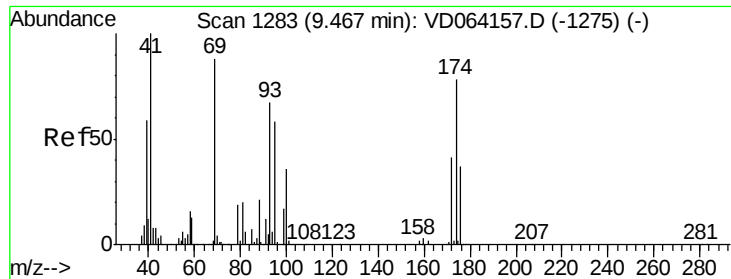
Acq: 22 Nov 2019 17:20

Tgt Ion:	41	Resp:	132027
Ion	Ratio	Lower	Upper
41	100		
69	86.9	64.6	97.0
39	66.2	48.2	72.2



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





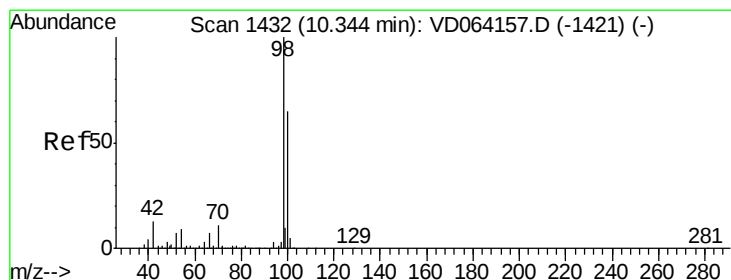
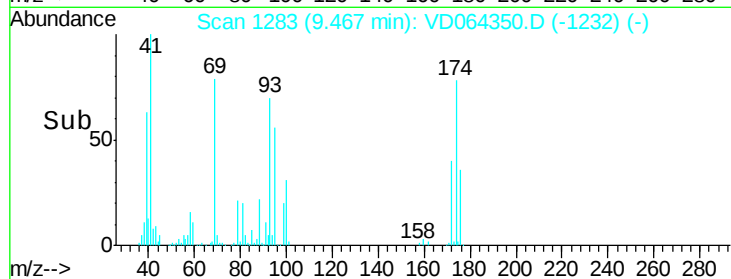
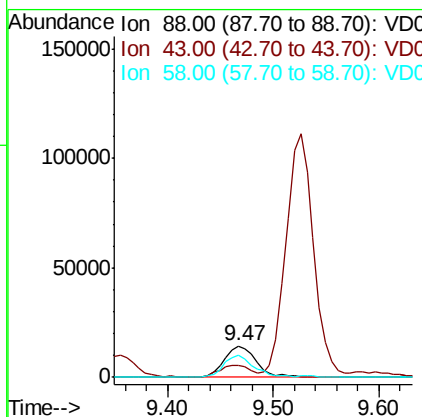
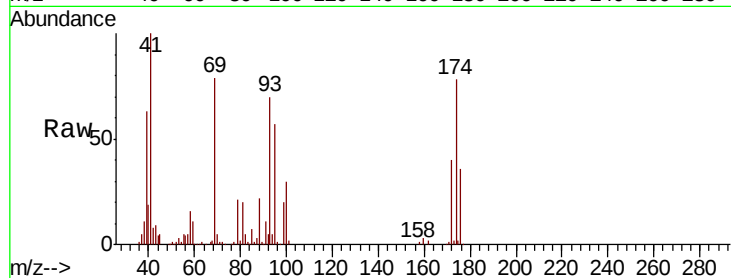
#49
1,4-Dioxane
Concen: 1071.006 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	29.8	44.8
58	65.9	58.1	87.1

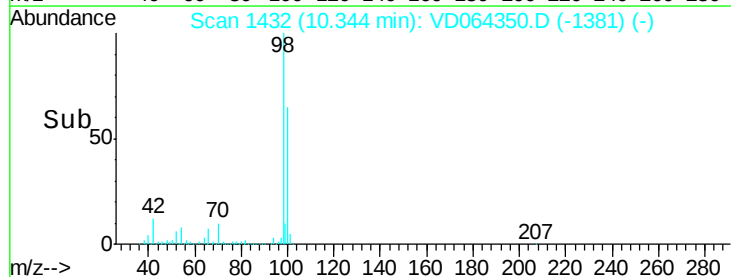
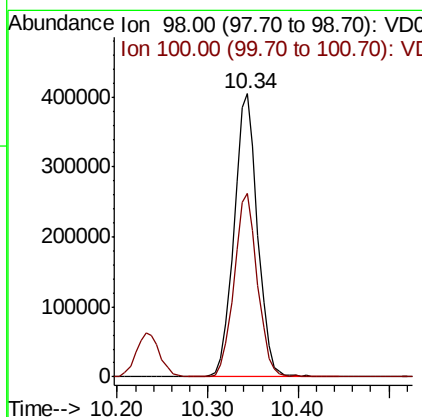
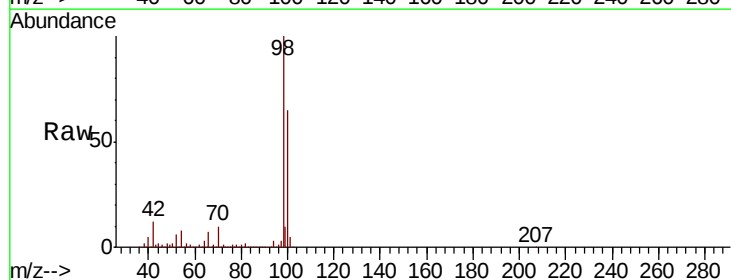
Manual Integrations
APPROVED

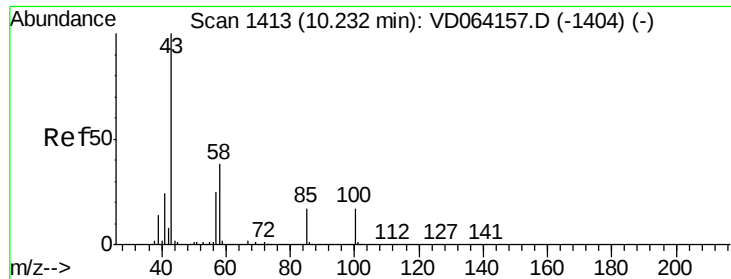
MMDadoda
11/26/2019 1:34:47 AM



#50
Toluene-d8
Concen: 47.380 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 253.001 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 691910

Ion Ratio Lower Upper

43 100

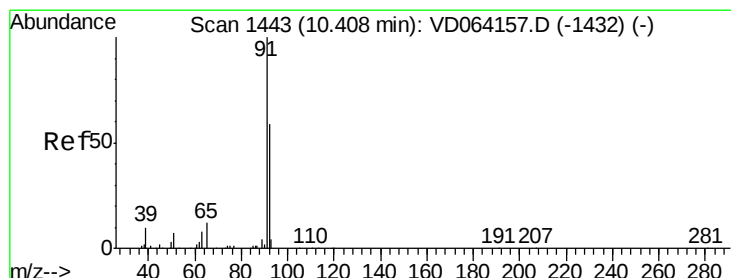
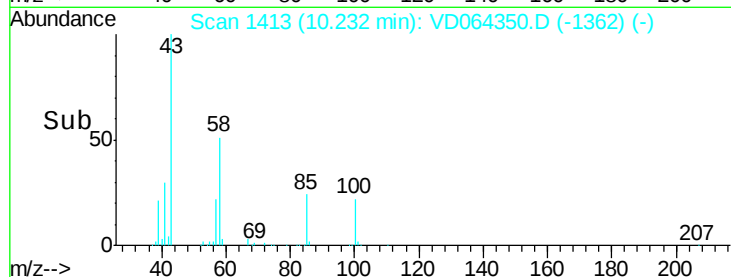
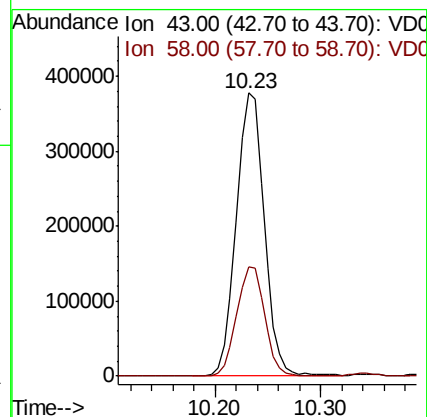
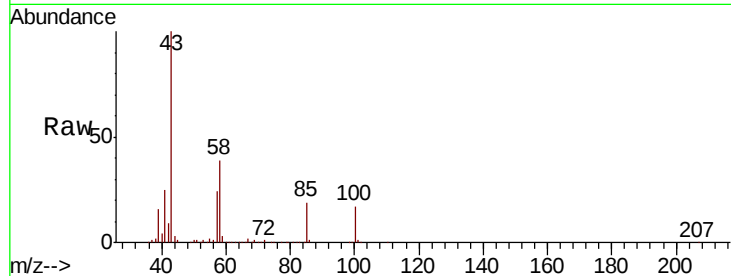
58 38.7 30.2 45.4

Manual Integrations

APPROVED

MMDadoda

11/26/2019 1:34:47 AM



#52

Toluene

Concen: 49.351 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064350.D

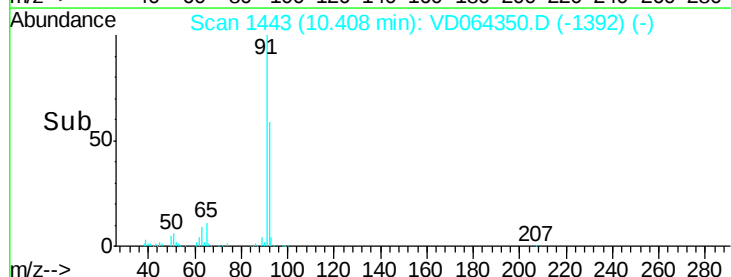
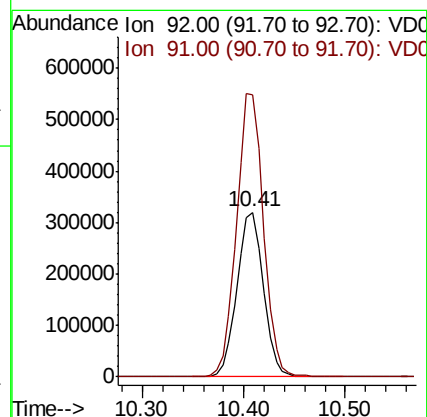
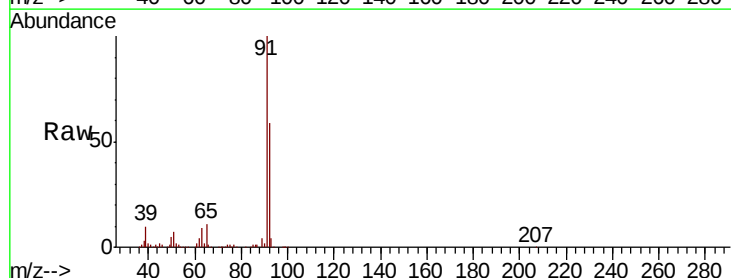
Acq: 22 Nov 2019 17:20

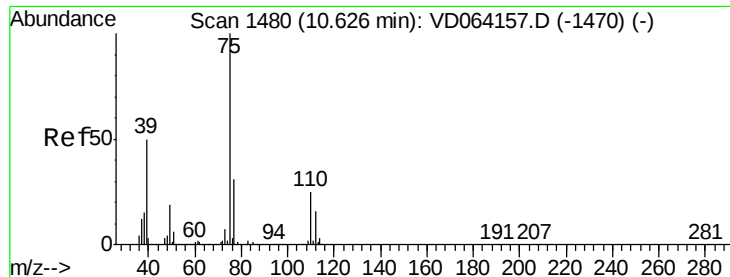
Tgt Ion: 92 Resp: 582300

Ion Ratio Lower Upper

92 100

91 174.5 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 49.742 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 313853

Ion Ratio Lower Upper

75 100

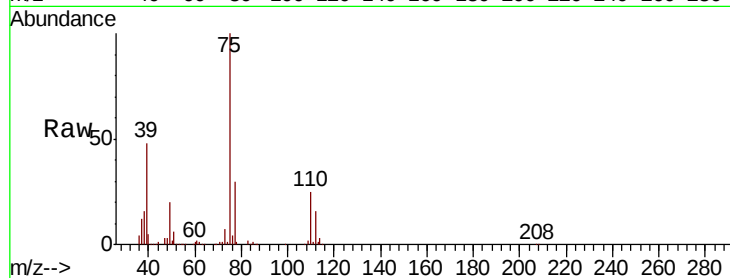
77 30.1 24.7 37.1

Manual Integrations

APPROVED

MMDadoda

11/26/2019 1:34:47 AM



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

10.63

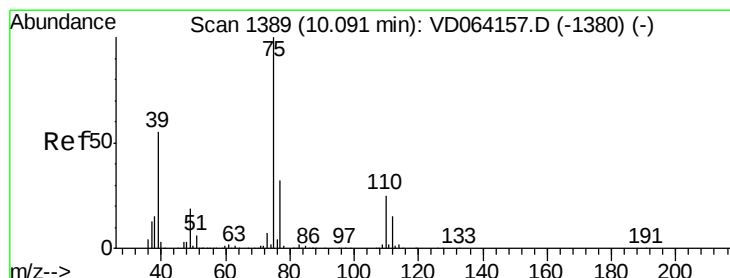
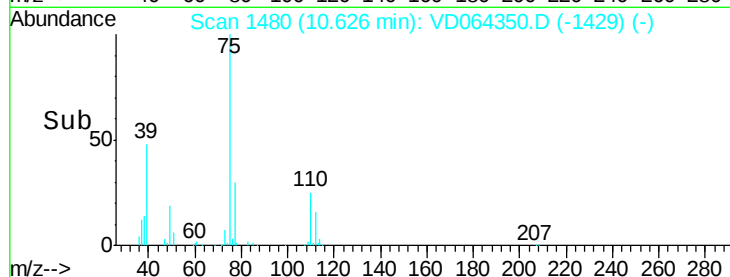
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 50.374 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

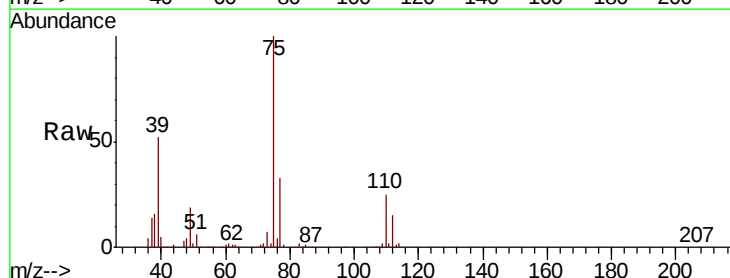
Tgt Ion: 75 Resp: 370900

Ion Ratio Lower Upper

75 100

77 32.6 25.2 37.8

39 52.0 44.2 66.2



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC

10.09

250000

200000

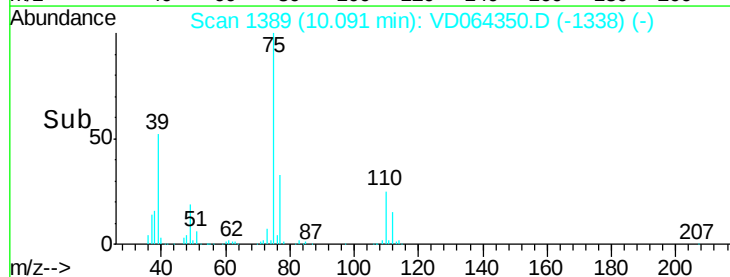
150000

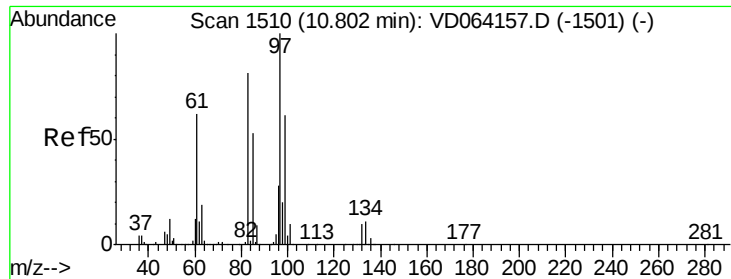
100000

50000

0

Time-->





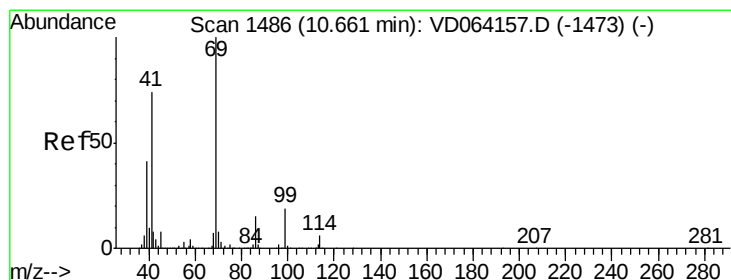
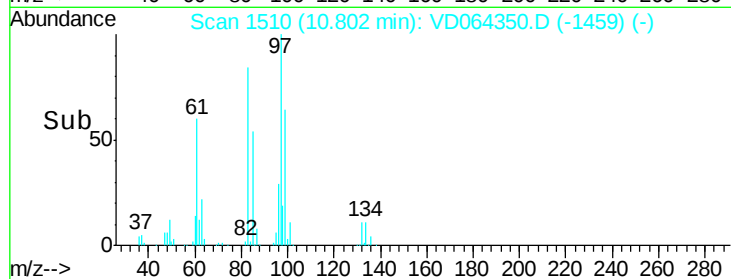
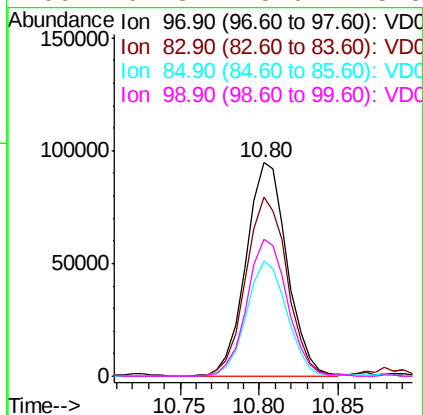
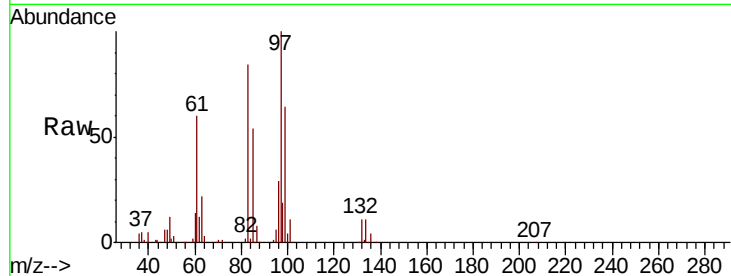
#55
 1,1,2-Trichloroethane
 Concen: 53.864 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		170850		
83	84.2	65.1	97.7		
85	53.9	42.0	63.0		
99	64.3	48.9	73.3		

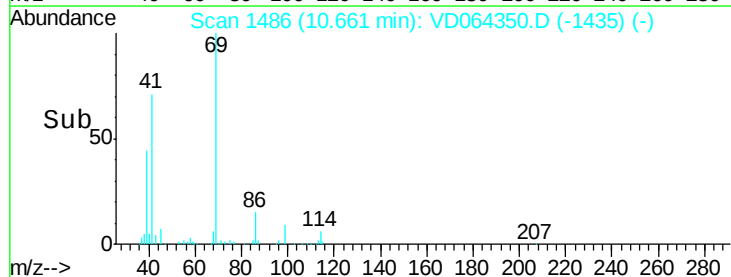
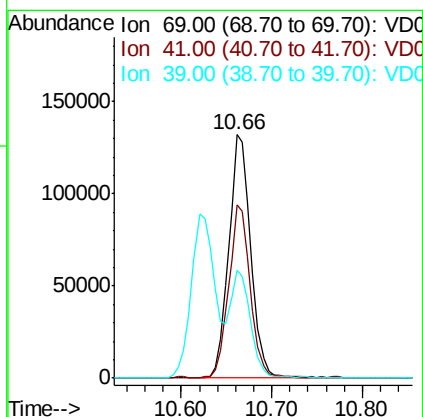
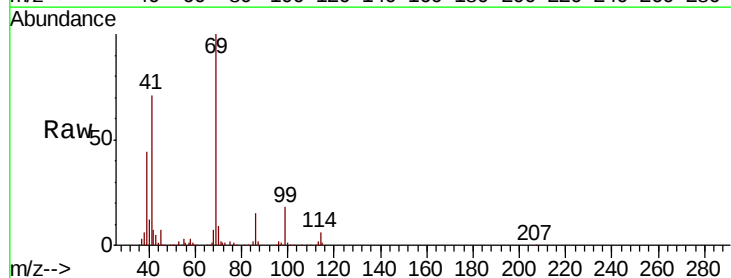
Manual Integrations
 APPROVED

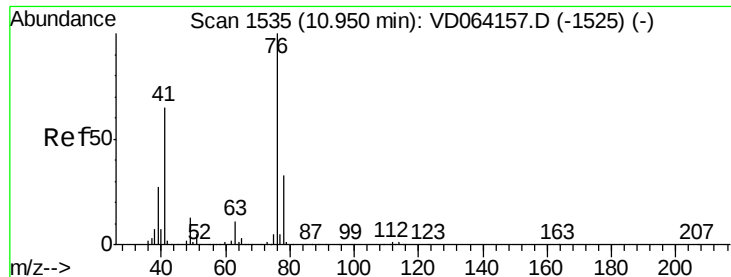
MMDadoda
 11/26/2019 1:34:47 AM



#56
 Ethyl methacrylate
 Concen: 50.274 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		223069		
41	68.5	57.9	86.9		
39	38.9	29.0	43.4		





#57

1,3-Dichloropropane

Concen: 53.397 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 295377

Ion Ratio Lower Upper

76 100

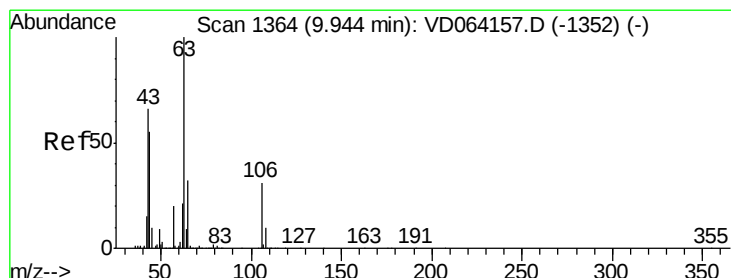
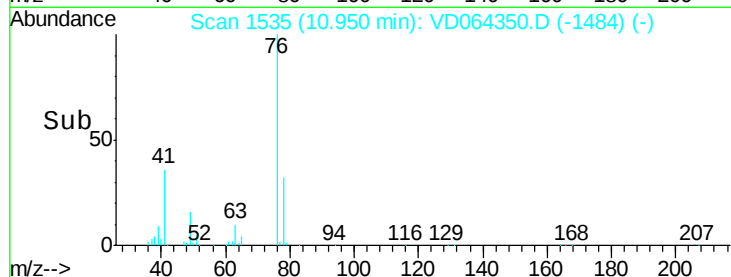
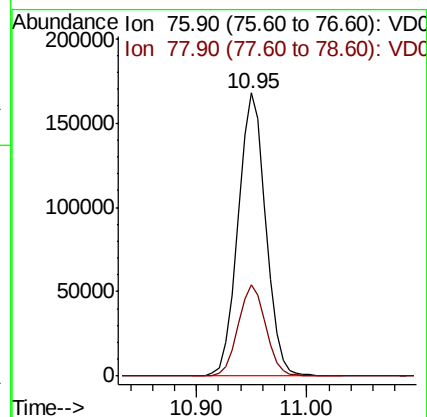
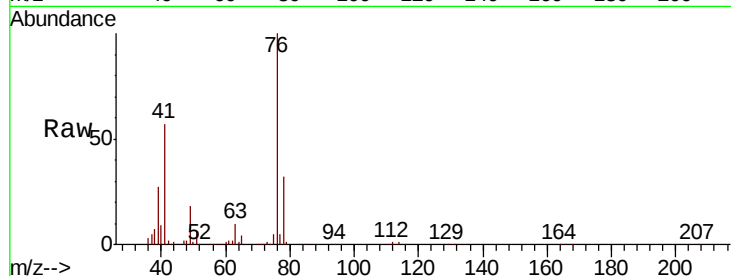
78 32.2 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

11/26/2019 1:34:47 AM



#58

2-Chloroethyl Vinyl ether

Concen: 253.963 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064350.D

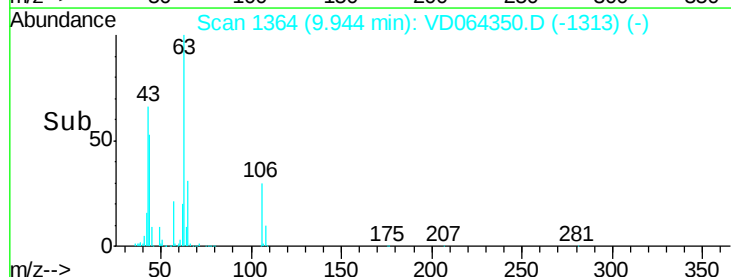
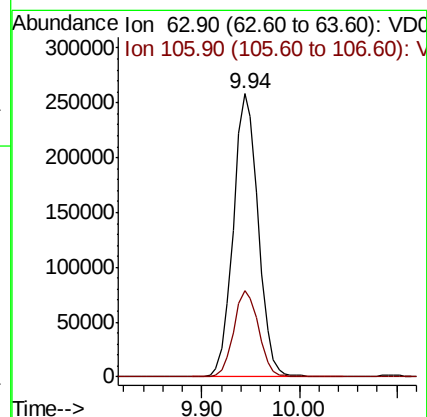
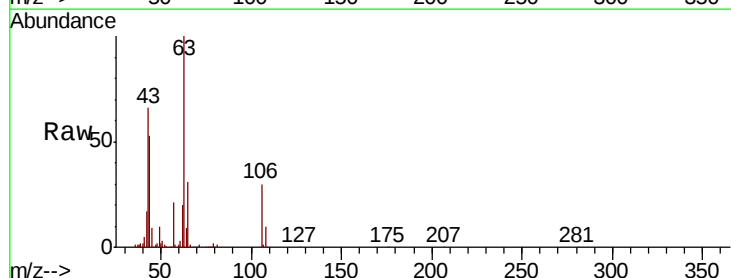
Acq: 22 Nov 2019 17:20

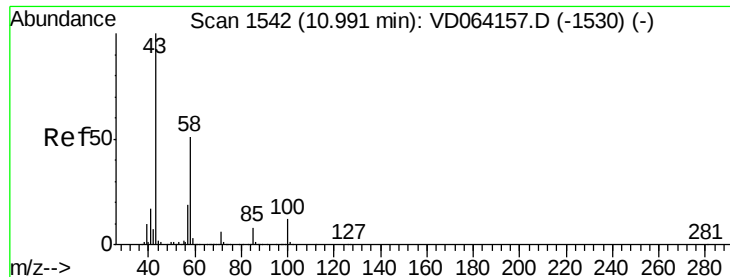
Tgt Ion: 63 Resp: 456455

Ion Ratio Lower Upper

63 100

106 30.3 24.1 36.1





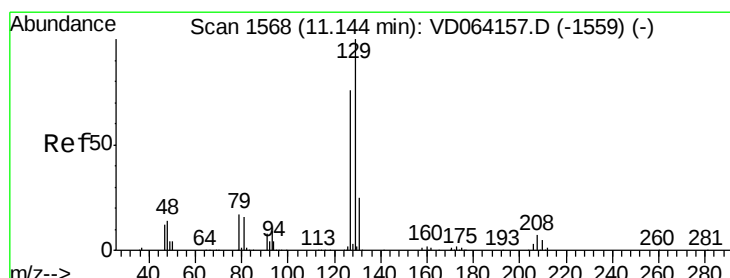
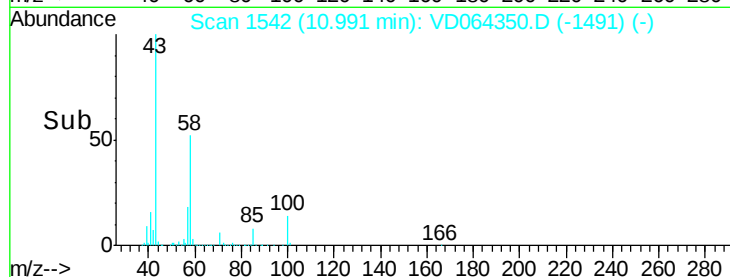
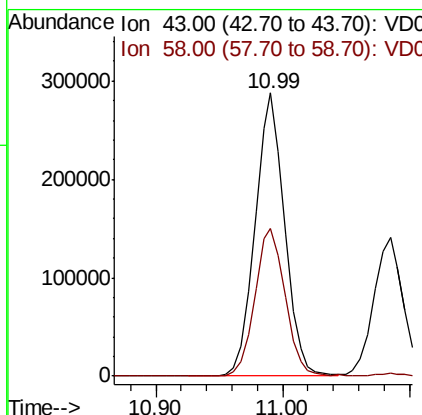
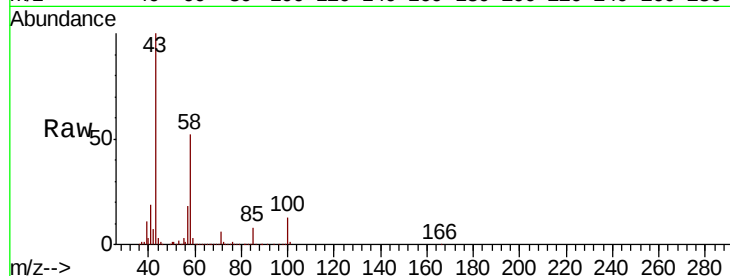
#59
2-Hexanone
Concen: 239.475 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 465939
Ion Ratio Lower Upper
43 100
58 53.8 25.9 77.7

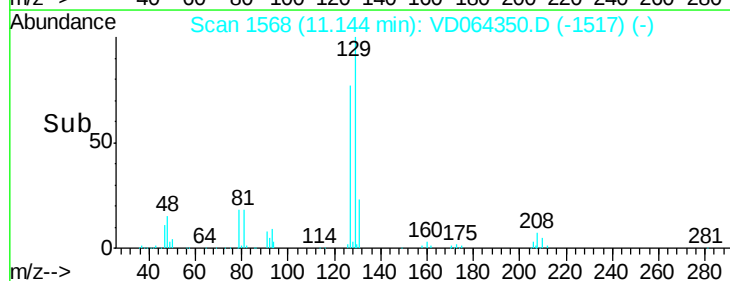
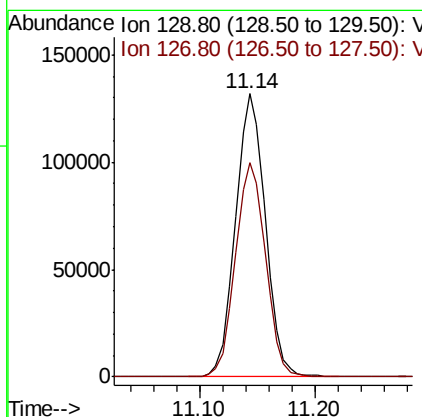
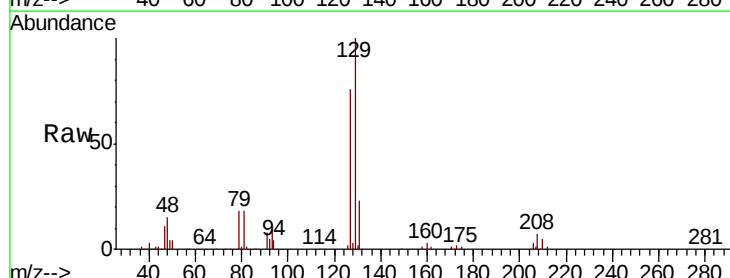
Manual Integrations
APPROVED

MMDadoda
11/26/2019 1:34:47 AM



#60
Dibromochloromethane
Concen: 53.256 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion: 129 Resp: 235709
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8





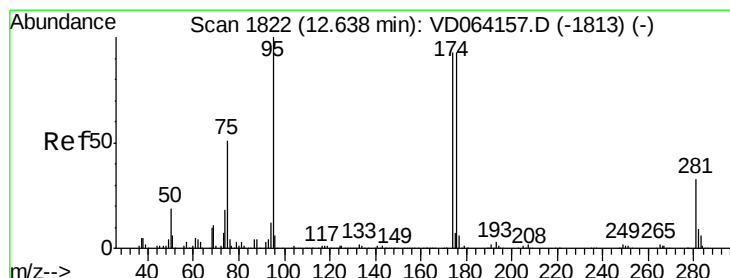
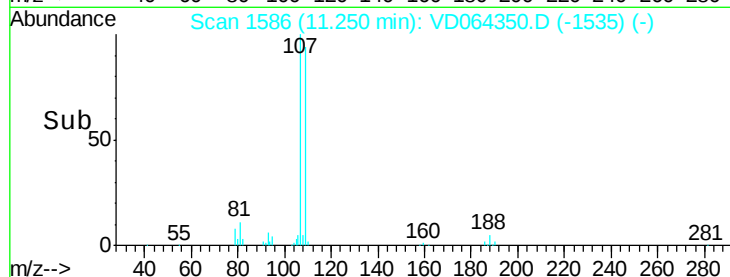
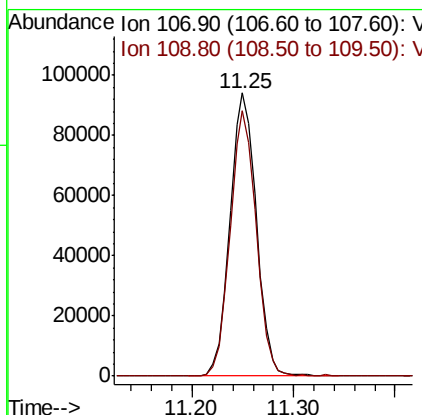
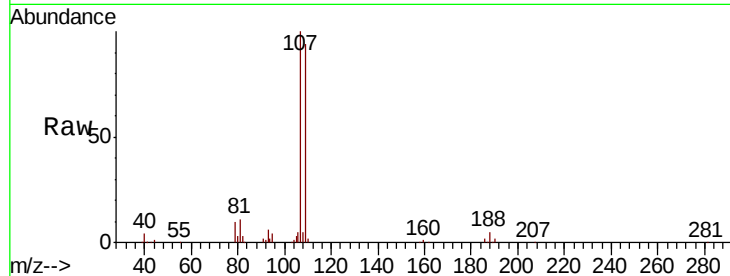
#61
 1,2-Dibromoethane
 Concen: 53.552 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	75.1	112.7

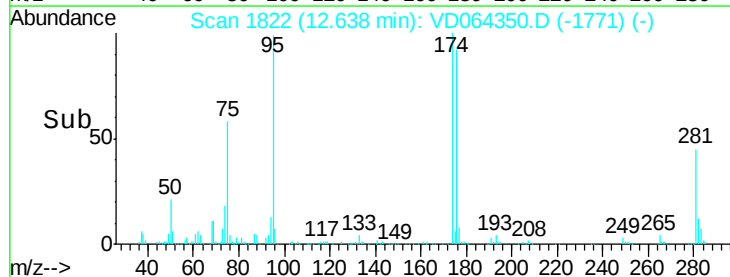
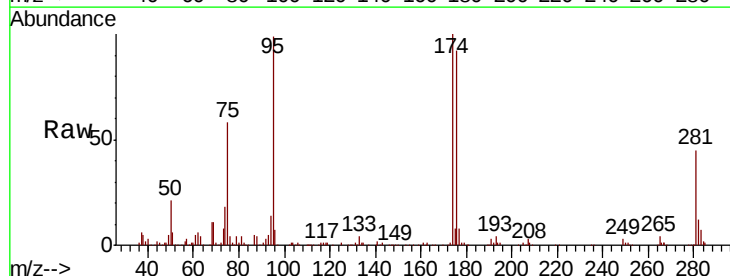
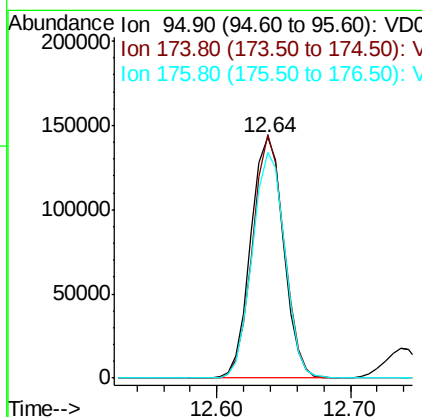
Manual Integrations
 APPROVED

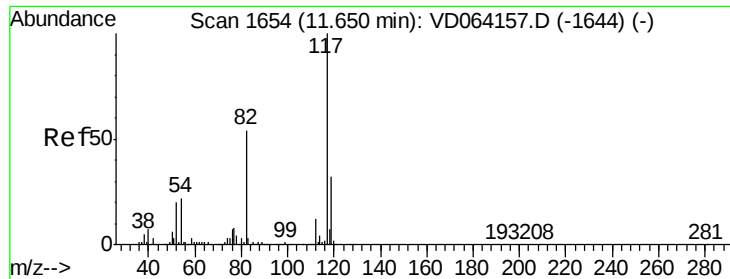
MMDadoda
 11/26/2019 1:34:47 AM



#62
 4-Bromofluorobenzene
 Concen: 45.350 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.7	0.0	183.6
176	93.1	0.0	180.2





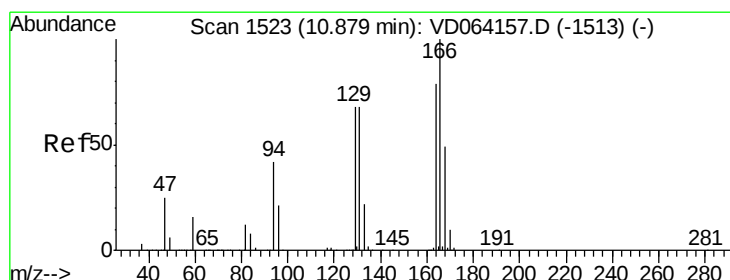
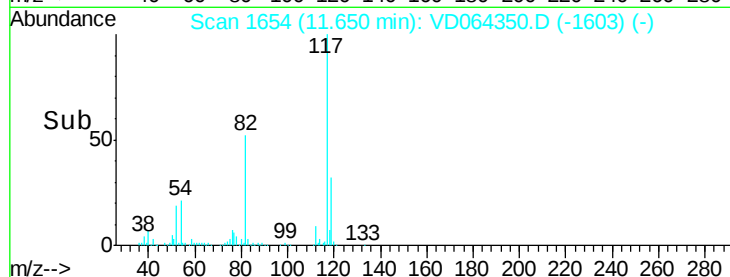
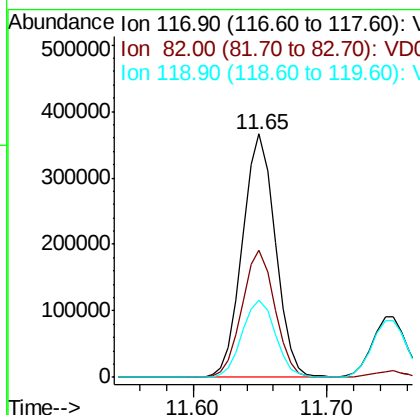
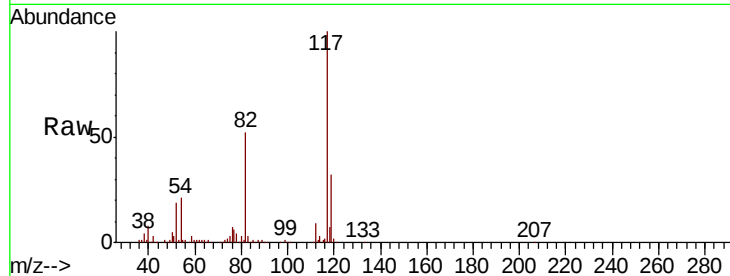
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	42.8	64.2
119	31.8	25.6	38.4

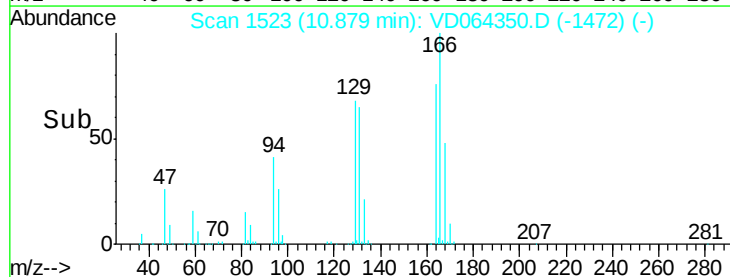
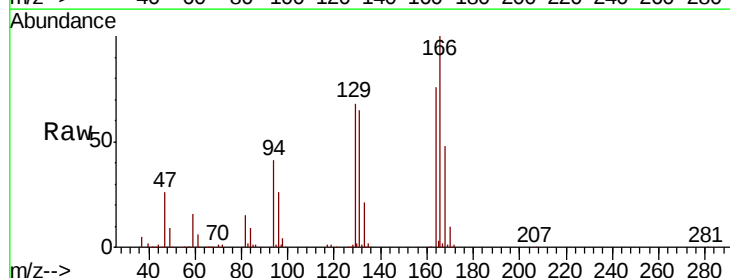
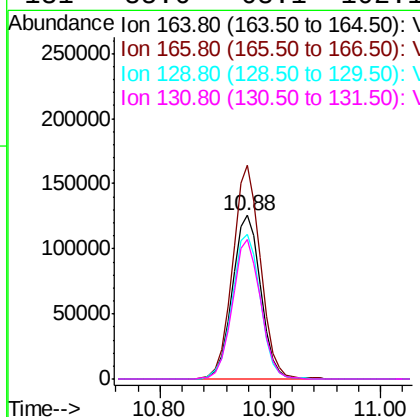
Manual Integrations
APPROVED

MMDadoda
11/26/2019 1:34:47 AM



#64
Tetrachloroethene
Concen: 47.142 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.7	100.8	151.2
129	88.8	68.7	103.1
131	85.6	68.1	102.1





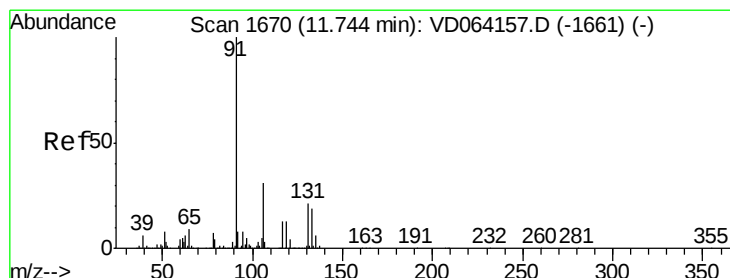
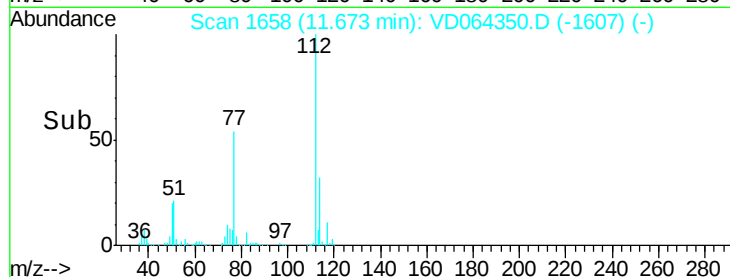
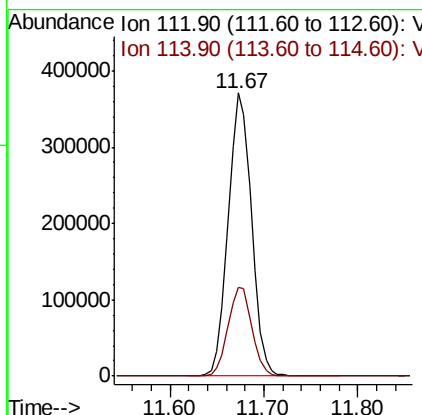
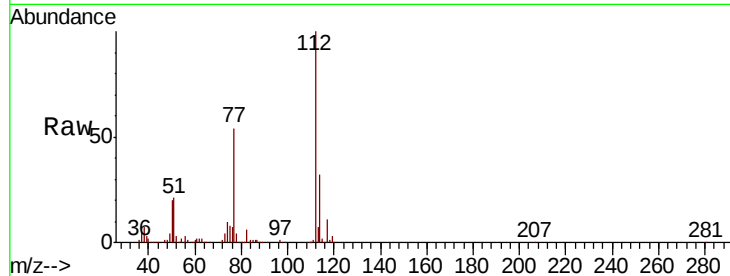
#65
Chlorobenzene
Concen: 50.306 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 639232
Ion Ratio Lower Upper
112 100
114 31.5 25.2 37.8

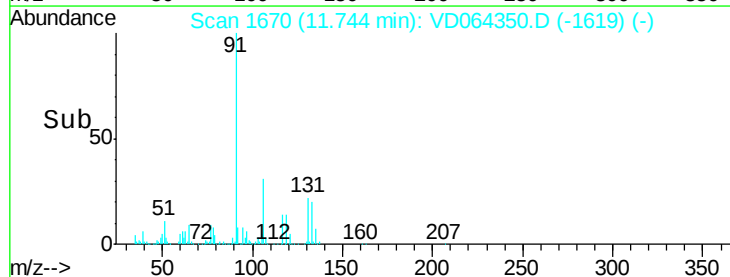
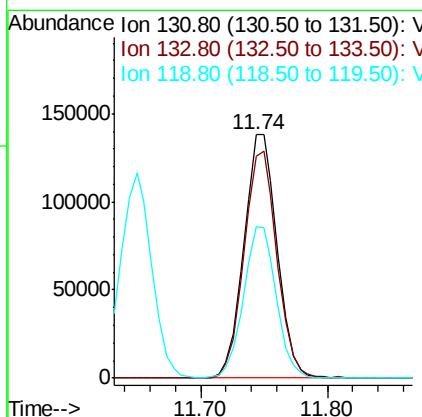
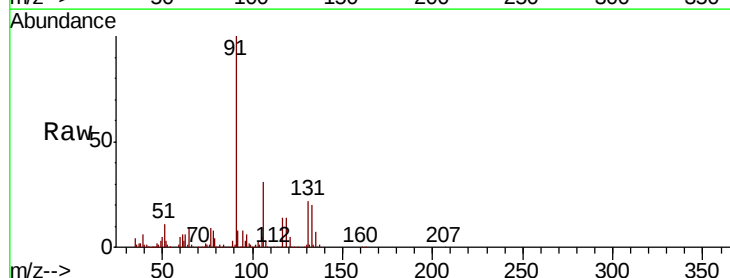
Manual Integrations
APPROVED

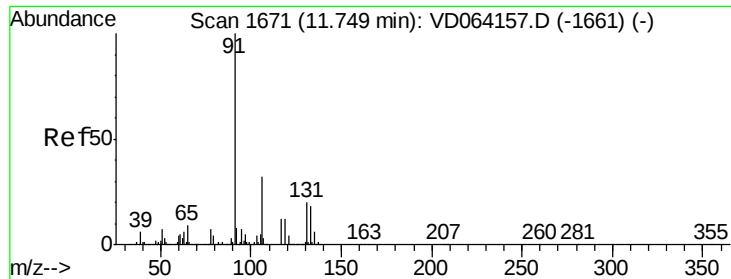
MMDadoda
11/26/2019 1:34:47 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.956 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion:131 Resp: 251035
Ion Ratio Lower Upper
131 100
133 92.6 47.3 141.9
119 61.4 31.1 93.3





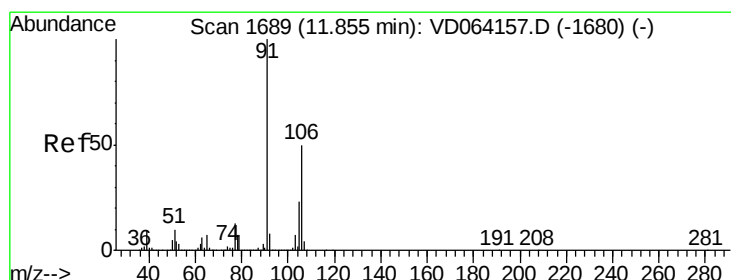
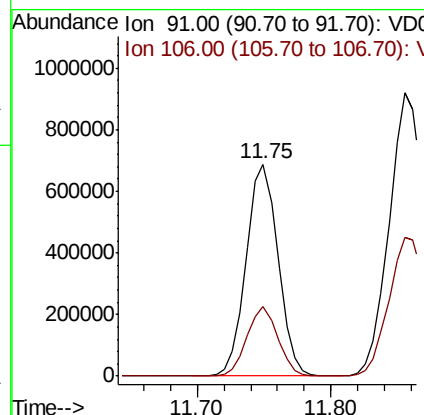
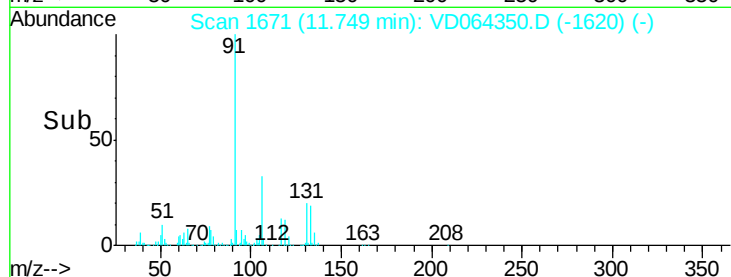
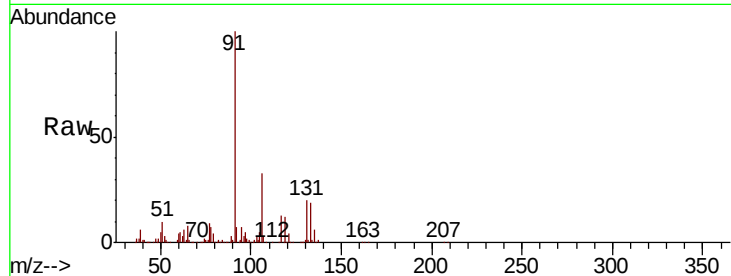
#67
Ethyl Benzene
Concen: 49.330 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1133819
Ion Ratio Lower Upper
91 100
106 32.8 25.5 38.3

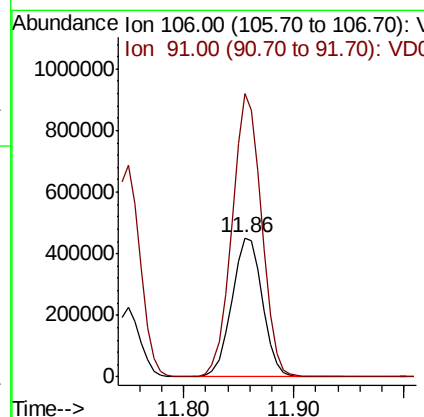
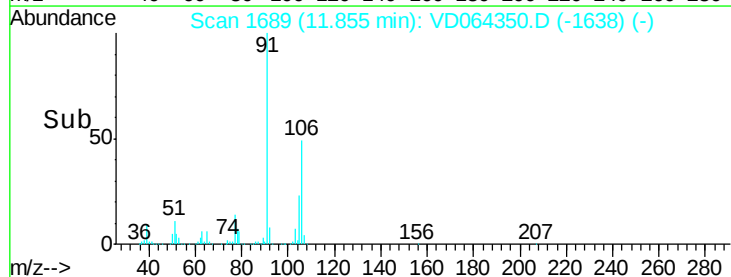
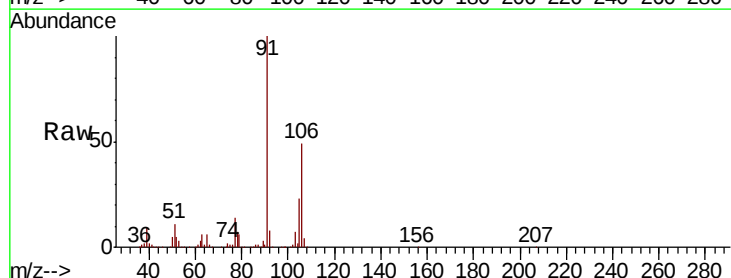
Manual Integrations
APPROVED

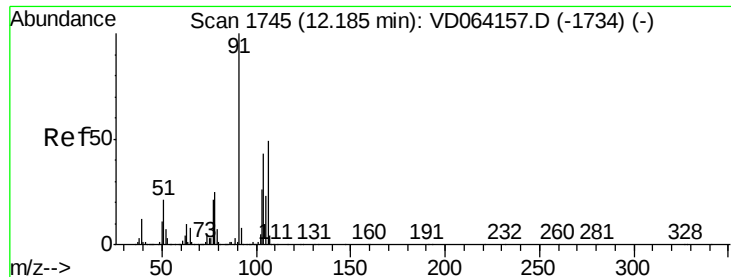
MMDadoda
11/26/2019 1:34:47 AM



#68
m/p-Xylenes
Concen: 99.310 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion: 106 Resp: 874919
Ion Ratio Lower Upper
106 100
91 196.8 160.3 240.5





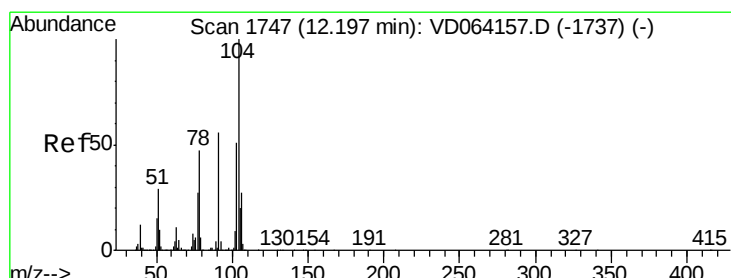
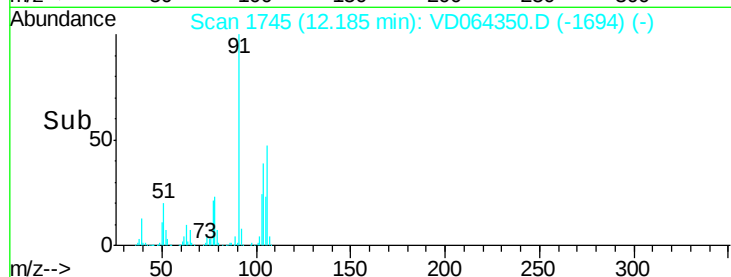
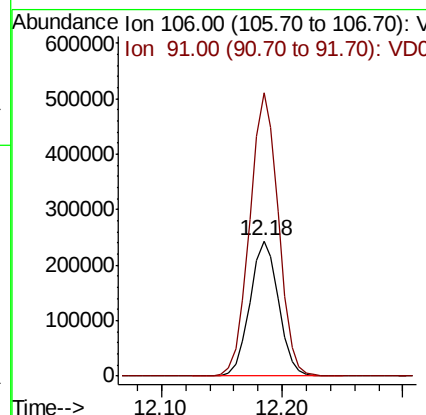
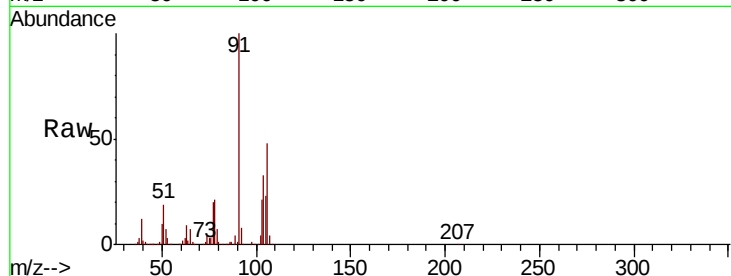
#69
o-Xylene
Concen: 49.421 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.6	105.1	315.3

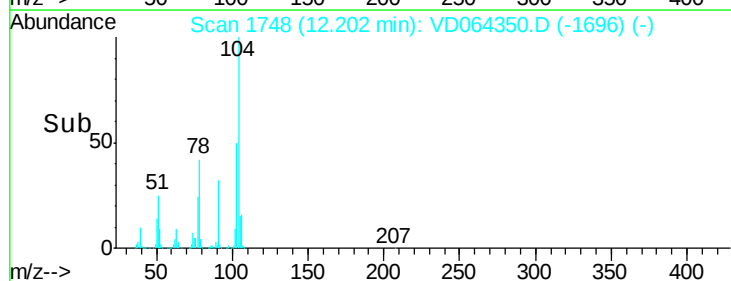
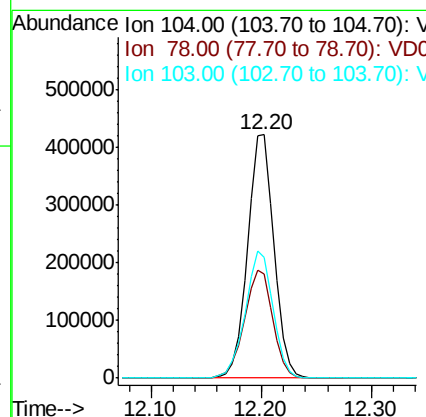
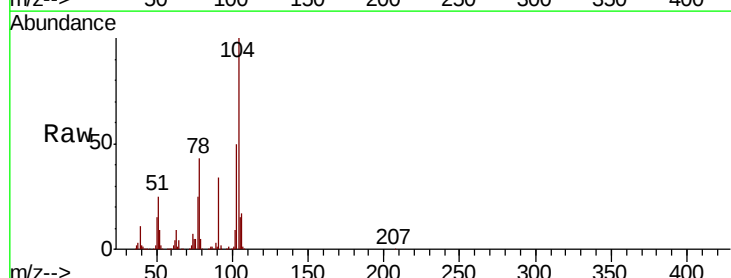
Manual Integrations
APPROVED

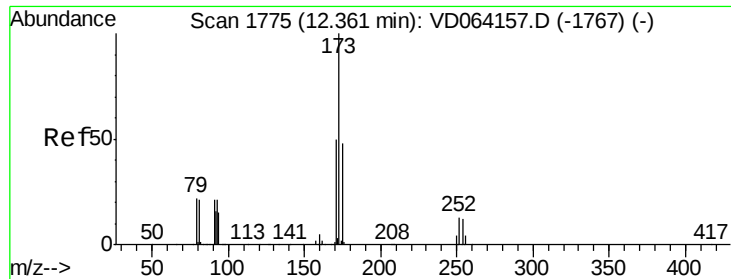
MMDadoda
11/26/2019 1:34:47 AM



#70
Styrene
Concen: 49.863 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.5	39.9	59.9
103	54.7	43.4	65.0





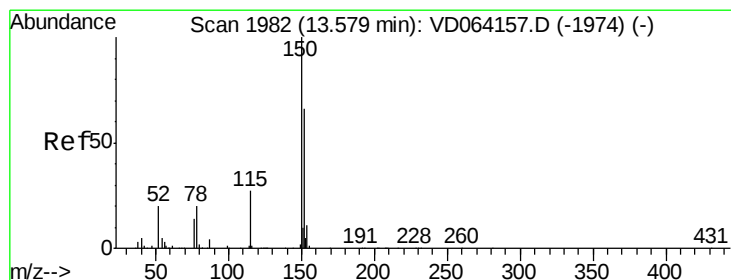
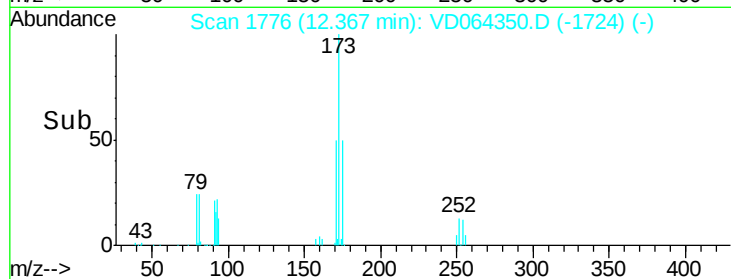
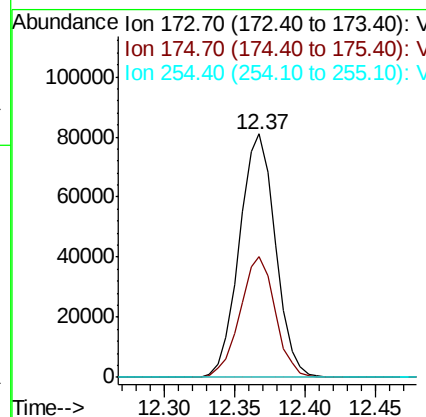
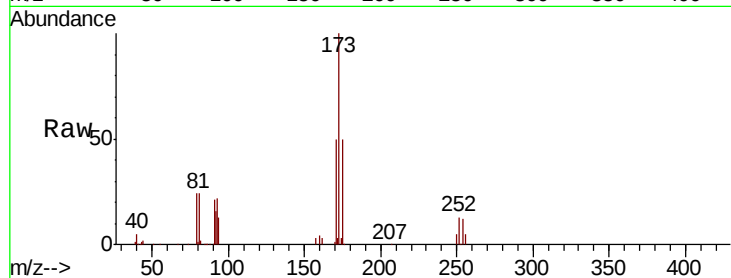
#71
Bromoform
Concen: 52.662 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.3
254	0.0	0.2	0.2

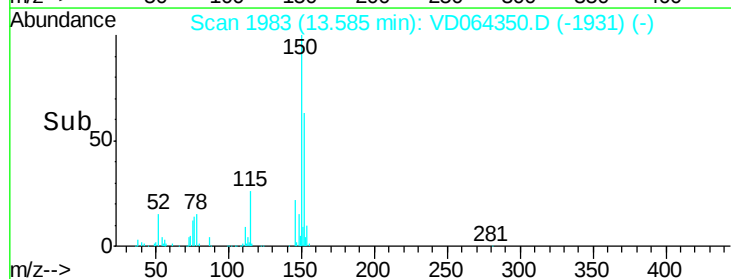
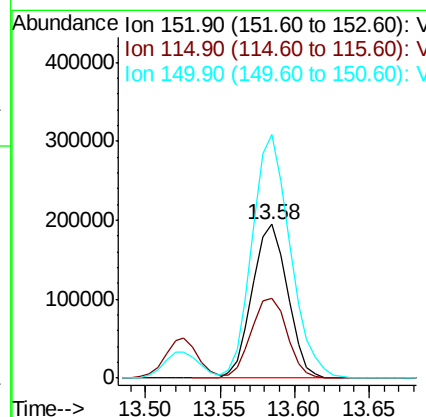
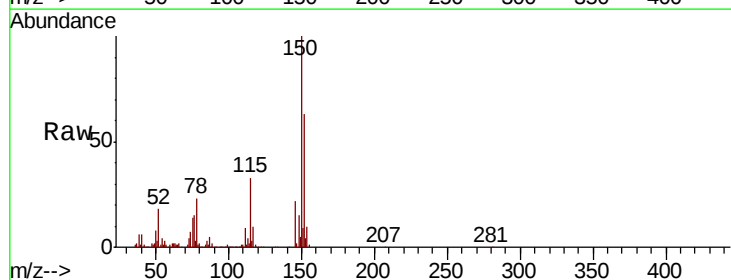
Manual Integrations
APPROVED

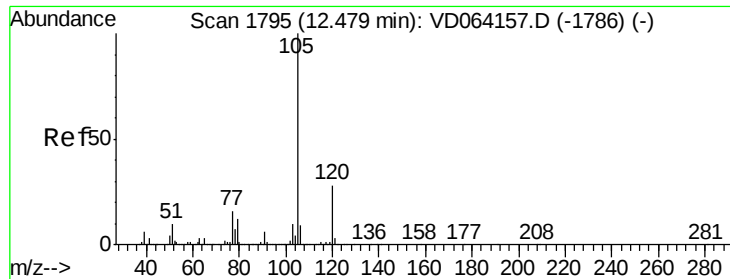
MMDadoda
11/26/2019 1:34:47 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.3	27.4	82.2
150	170.2	0.0	351.6





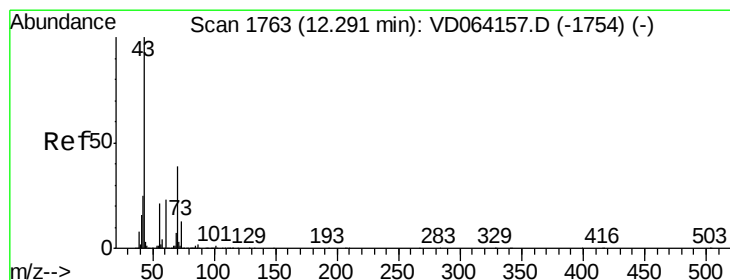
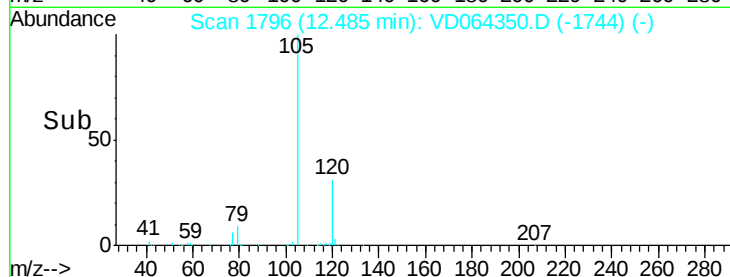
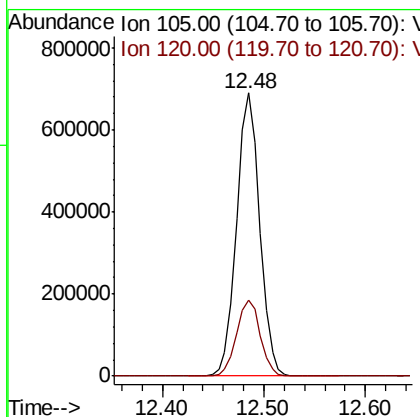
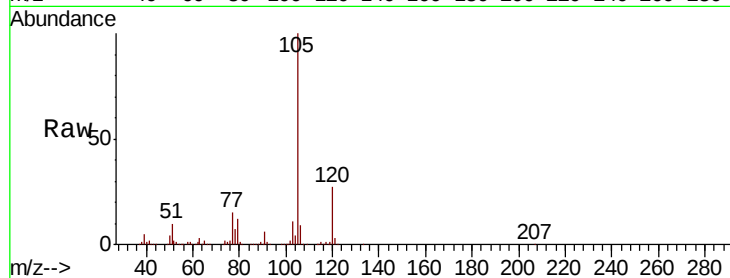
#73
Isopropylbenzene
Concen: 46.643 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 1091594
Ion Ratio Lower Upper
105 100
120 27.4 13.6 40.8

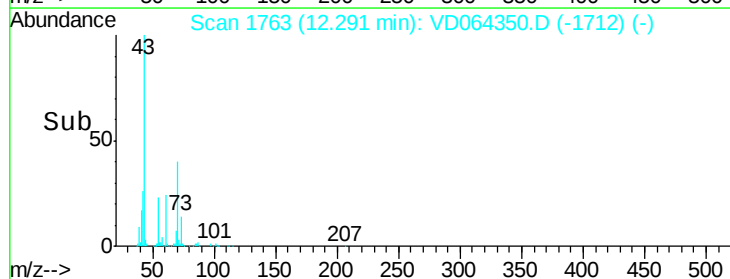
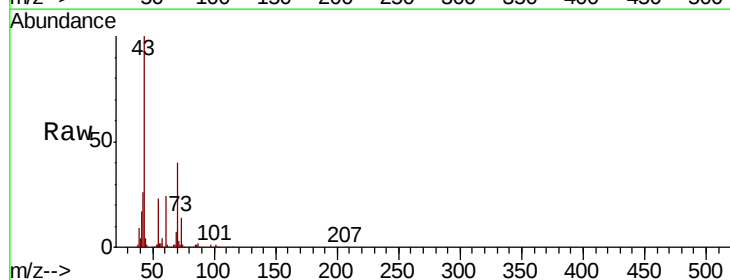
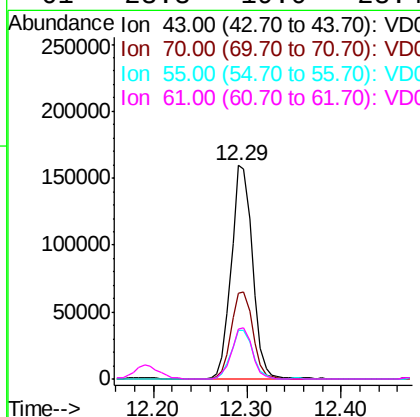
Manual Integrations
APPROVED

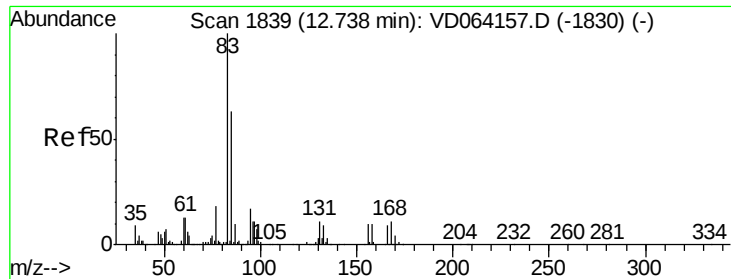
MMDadoda
11/26/2019 1:34:47 AM



#74
N-ethyl acetate
Concen: 45.534 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion: 43 Resp: 251650
Ion Ratio Lower Upper
43 100
70 41.4 32.4 48.6
55 23.2 17.9 26.9
61 23.3 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.312 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

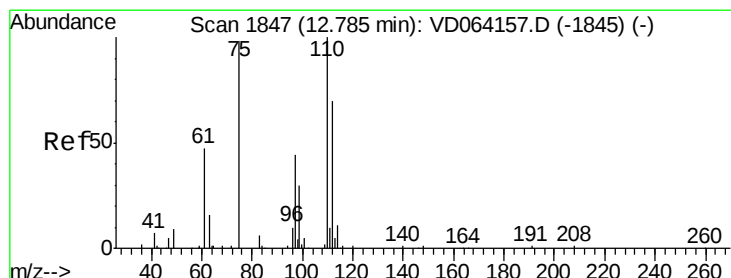
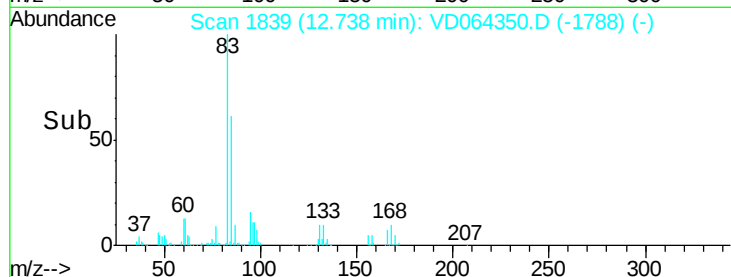
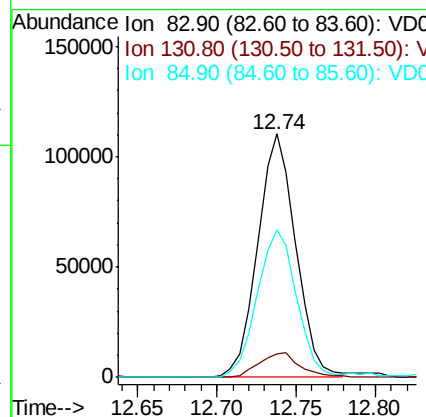
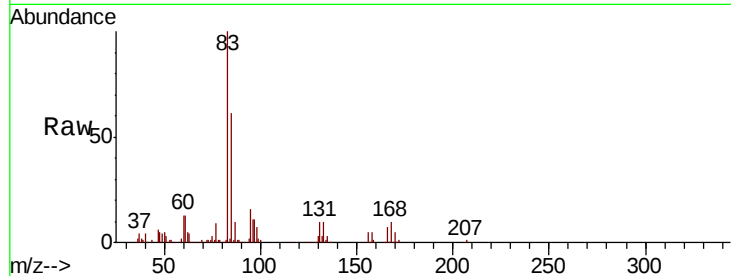
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	184477
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.9	17.7
85	62.7	32.5	97.5

Manual Integrations
APPROVED

MMDadoda
11/26/2019 1:34:47 AM



#76

1,2,3-Trichloropropane

Concen: 55.087 ug/l m

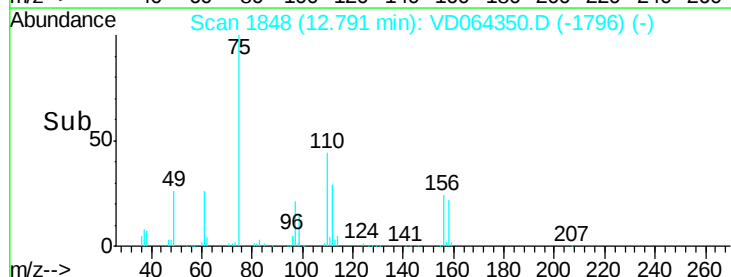
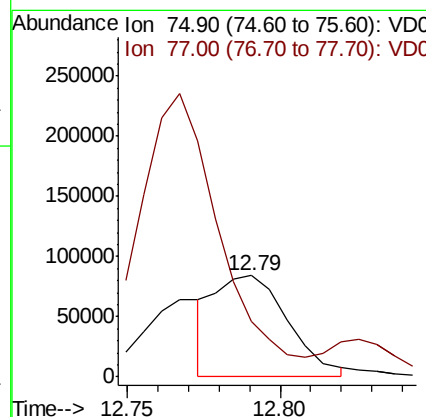
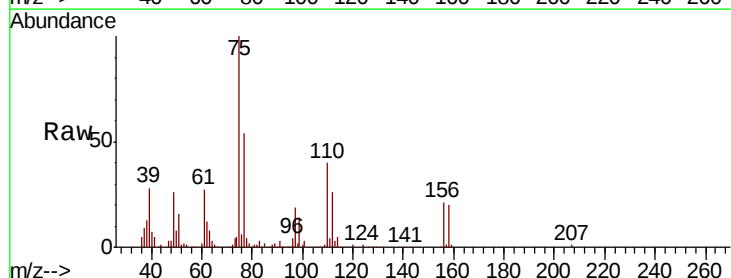
RT: 12.79 min Scan# 1848

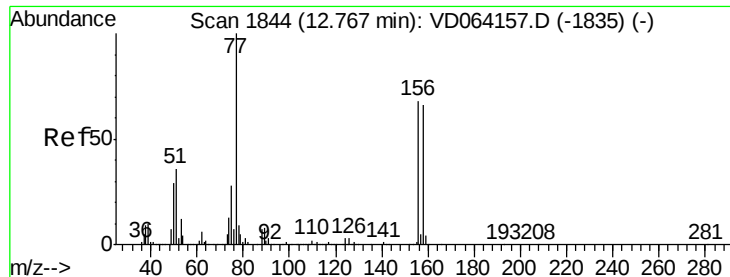
Delta R.T. 0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Tgt Ion:	75	Resp:	141476
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.435 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:156 Resp: 281069

Ion Ratio Lower Upper

156 100

77 156.8 81.2 243.4

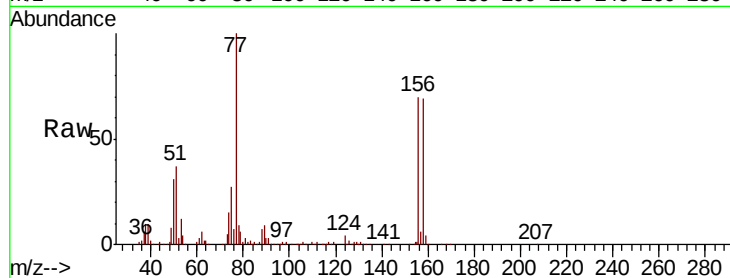
158 97.5 48.4 145.2

Manual Integrations

APPROVED

MMDadoda

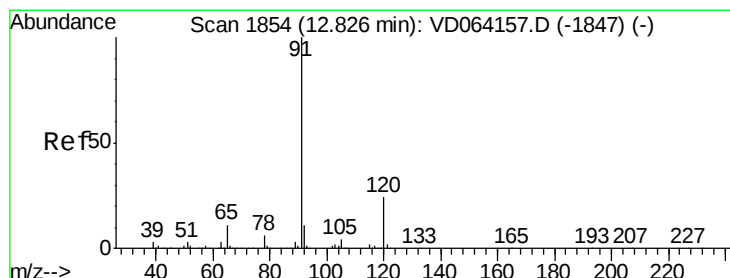
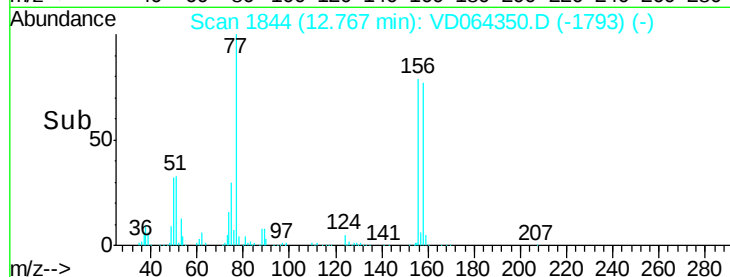
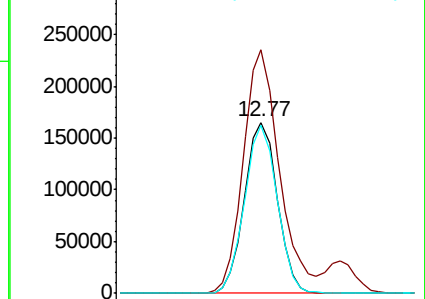
11/26/2019 1:34:47 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 46.994 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064350.D

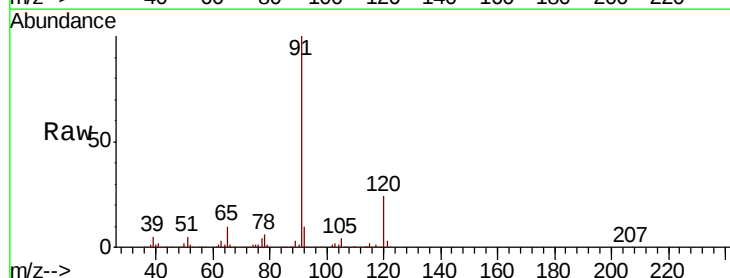
Acq: 22 Nov 2019 17:20

Tgt Ion: 91 Resp: 1256564

Ion Ratio Lower Upper

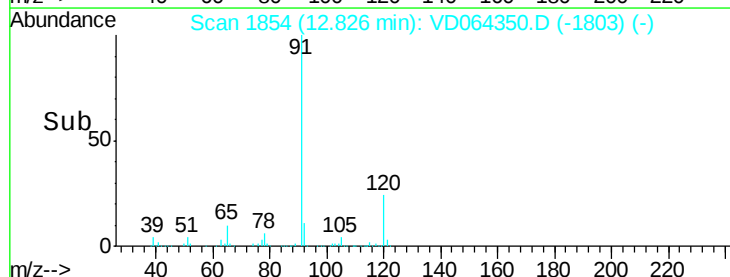
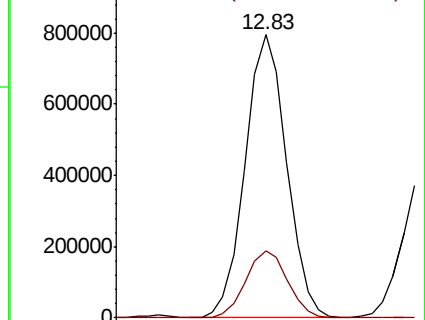
91 100

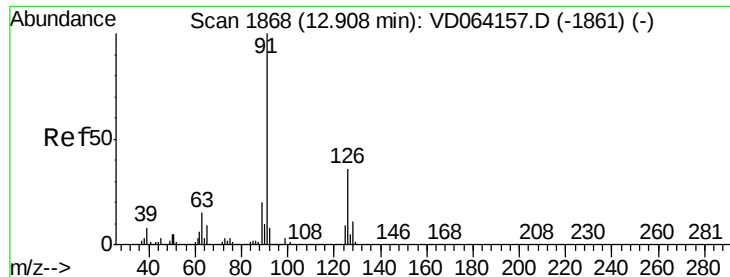
120 24.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.086 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064350.D

Acq: 22 Nov 2019 17:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 695720

Ion Ratio Lower Upper

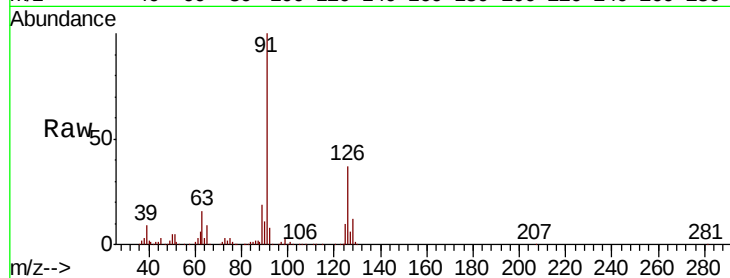
91 100

126 36.4 17.7 53.1

Manual Integrations
APPROVED

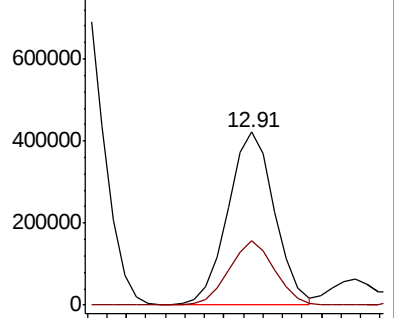
MMDadoda

11/26/2019 1:34:47 AM

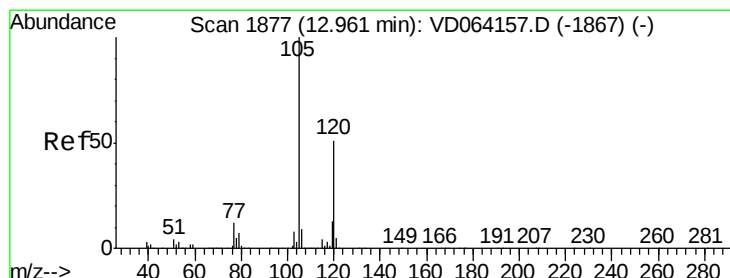
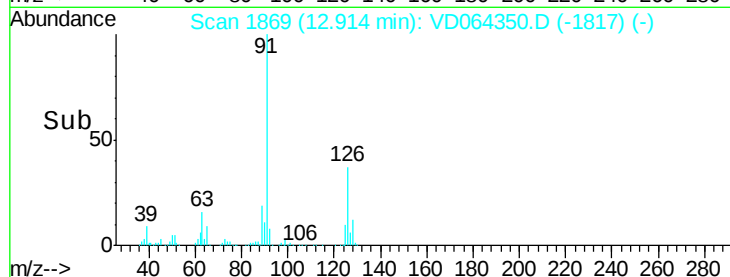


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 46.962 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064350.D

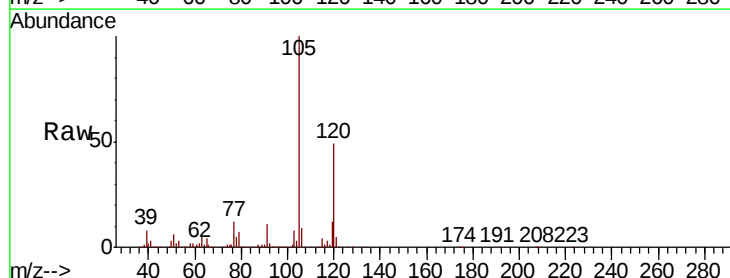
Acq: 22 Nov 2019 17:20

Tgt Ion: 105 Resp: 903105

Ion Ratio Lower Upper

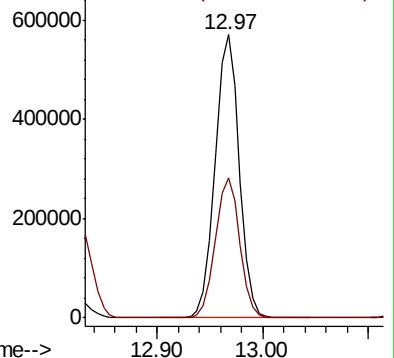
105 100

120 50.0 25.4 76.4

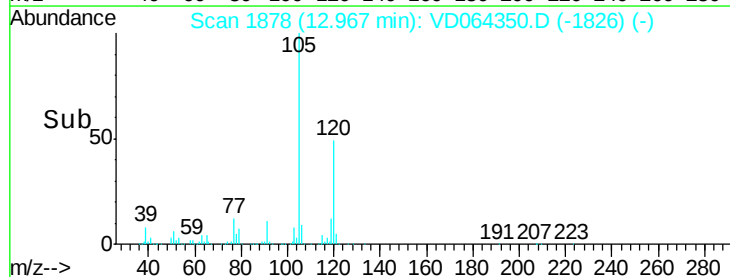


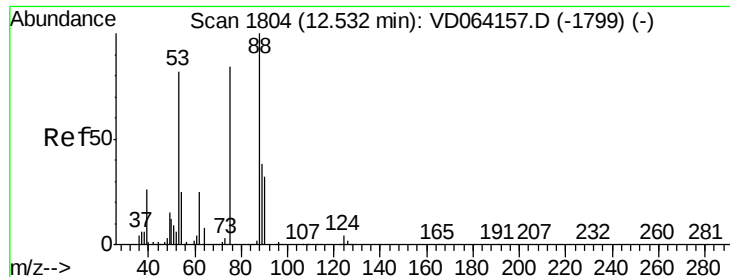
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





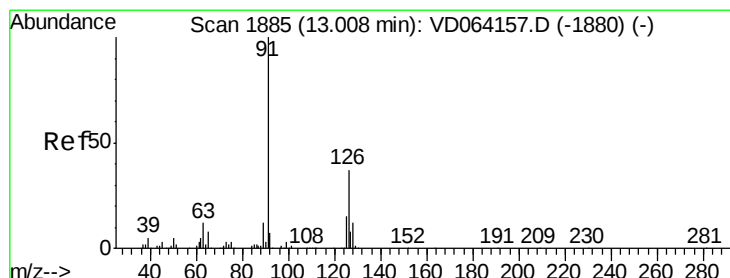
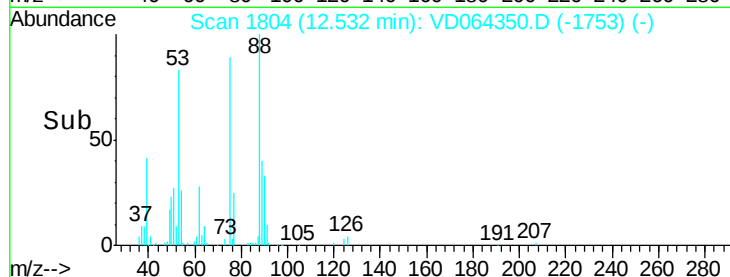
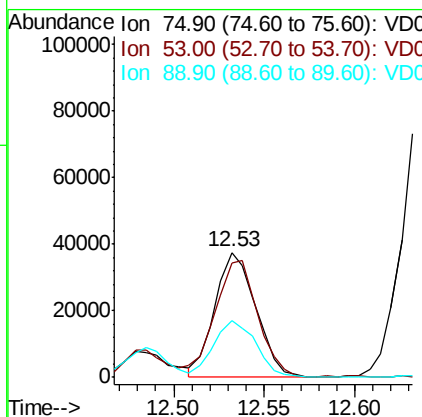
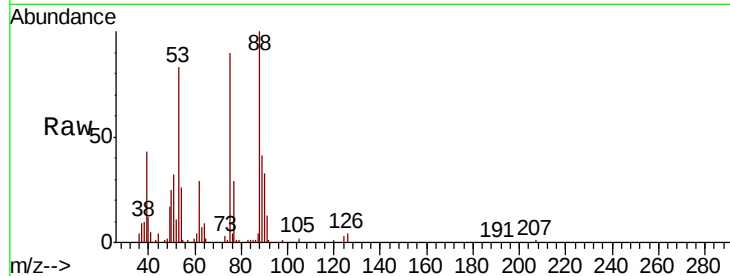
#81
trans-1,4-Dichloro-2-butene
Concen: 45.897 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.0	79.4	119.0
89	46.7	36.6	55.0

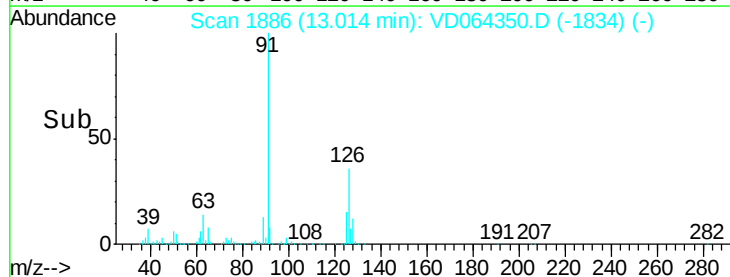
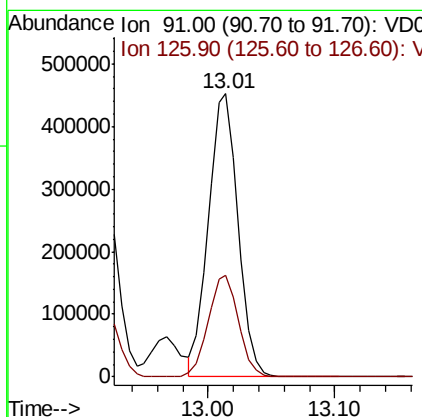
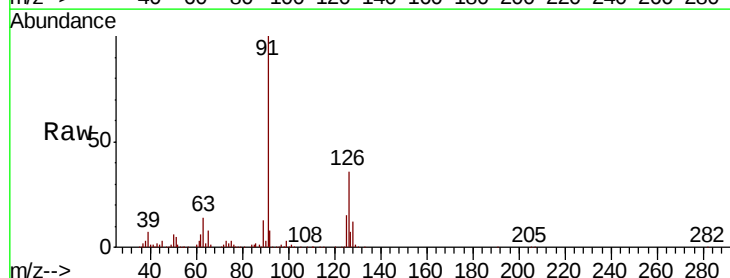
Manual Integrations
APPROVED

MMDadoda
11/26/2019 1:34:47 AM



#82
4-Chlorotoluene
Concen: 46.690 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.6	17.8	53.4





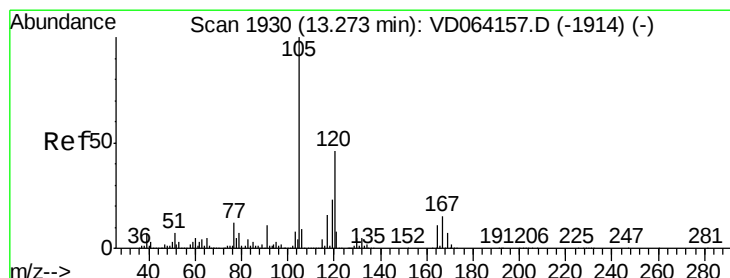
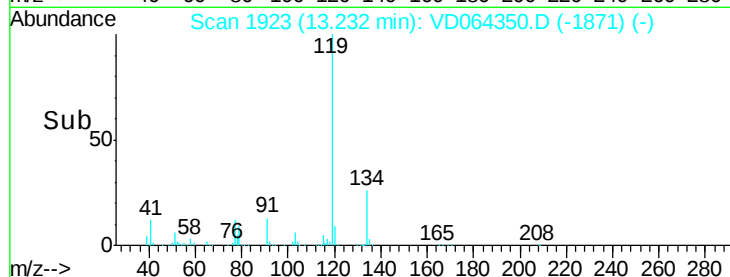
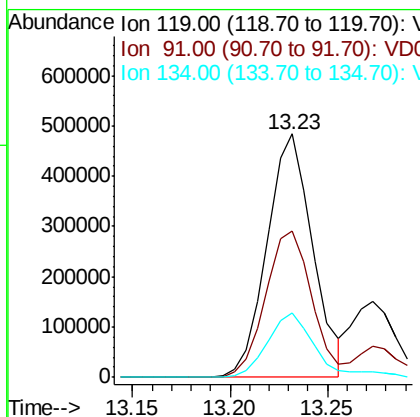
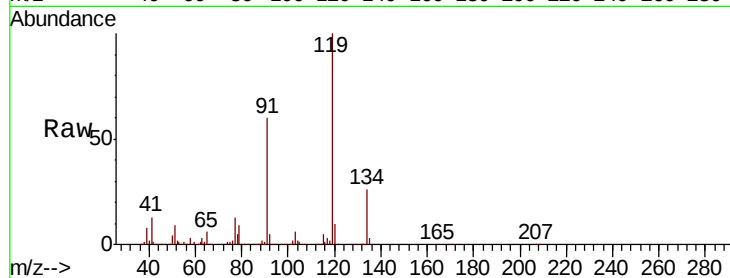
#83
 tert-Butylbenzene
 Concen: 46.371 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.6	31.8	95.4
134	27.7	13.7	41.0

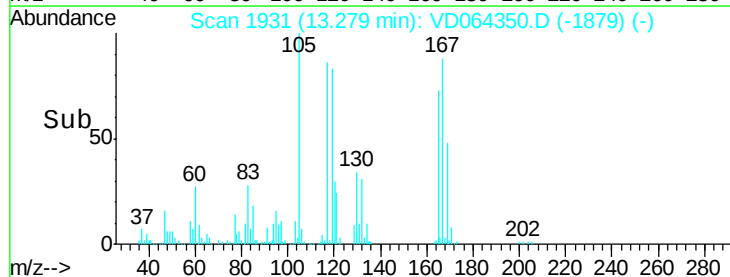
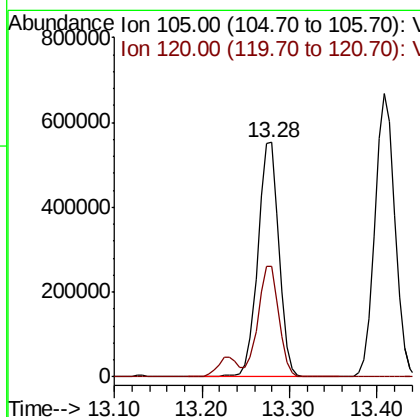
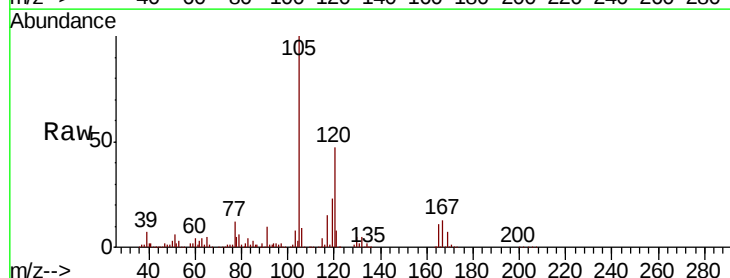
Manual Integrations
 APPROVED

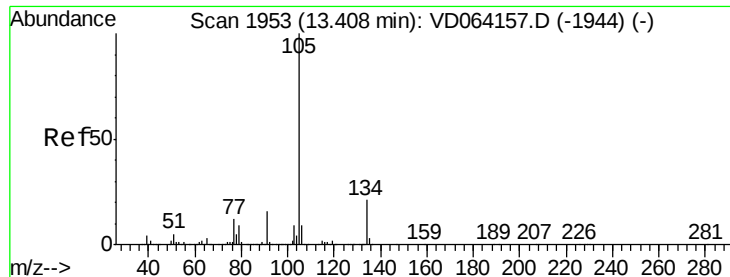
MMDadoda
 11/26/2019 1:34:47 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 48.114 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.3	69.8





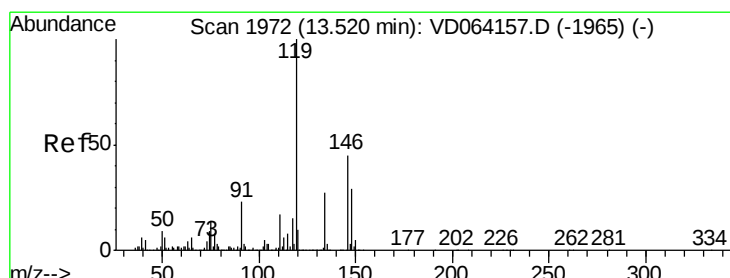
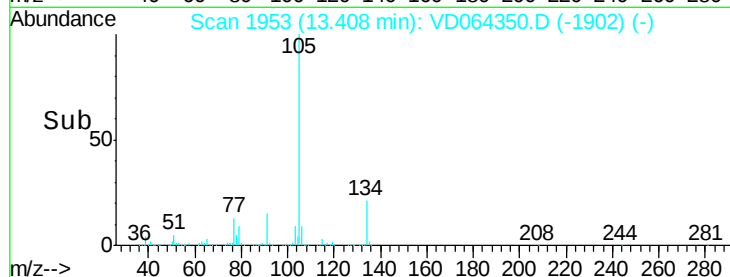
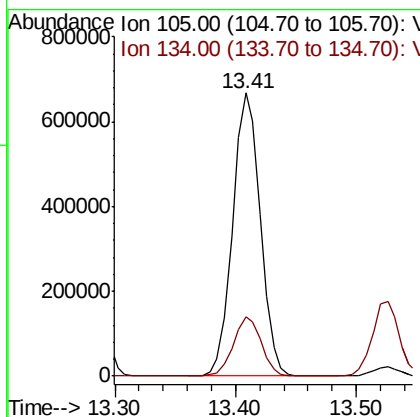
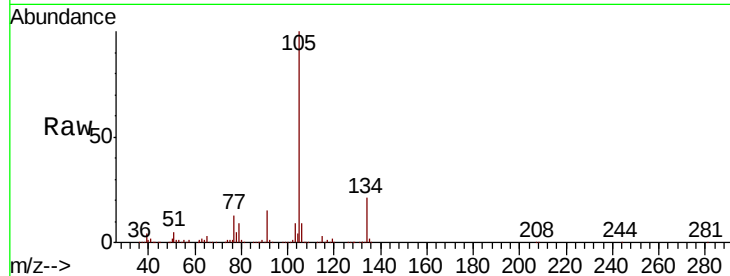
#85
 sec-Butylbenzene
 Concen: 46.696 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1063490
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.7 31.9

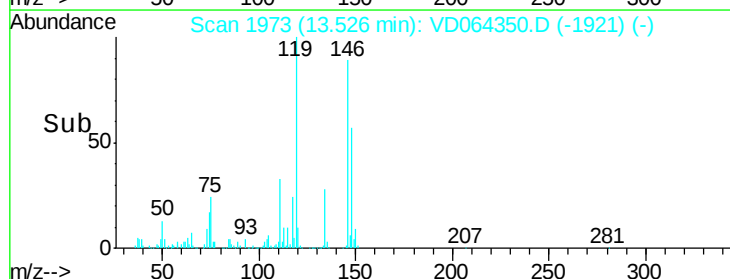
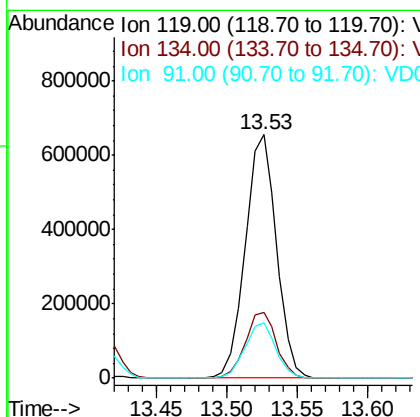
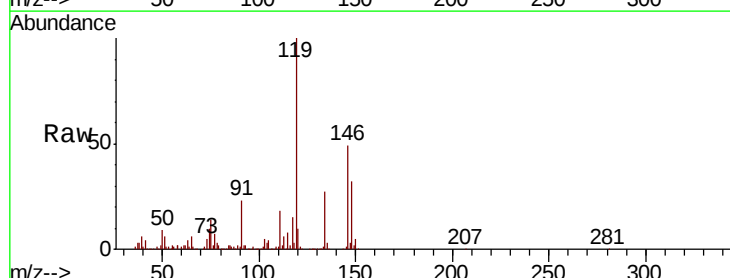
Manual Integrations
 APPROVED

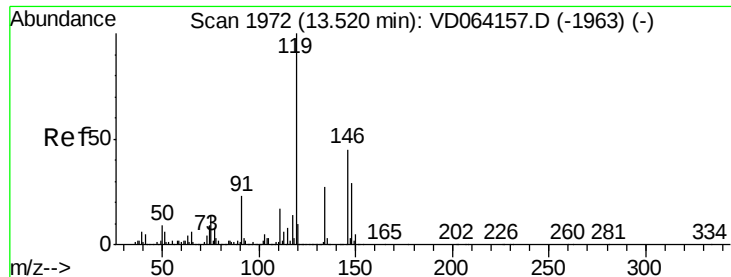
MMDadoda
 11/26/2019 1:34:47 AM



#86
 p-Isopropyltoluene
 Concen: 46.661 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Tgt Ion:119 Resp: 1010313
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.5 40.5
 91 22.6 11.5 34.4





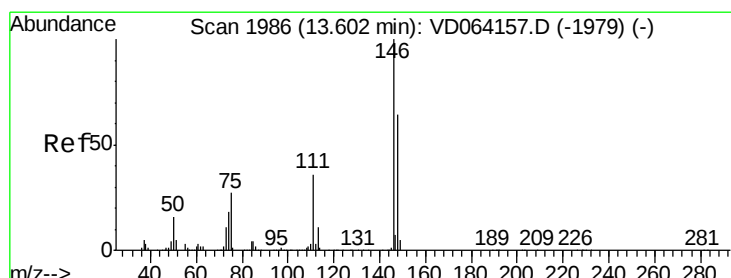
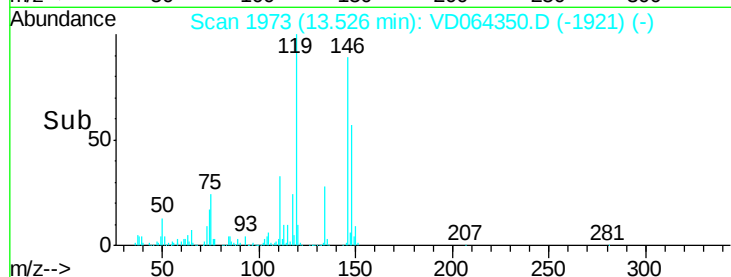
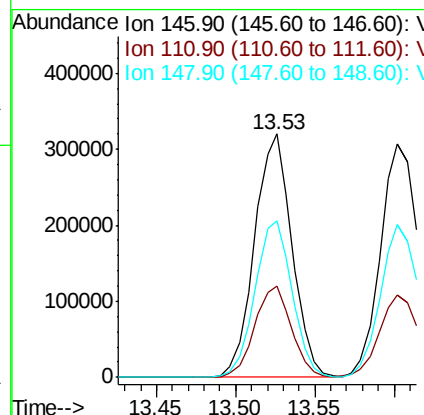
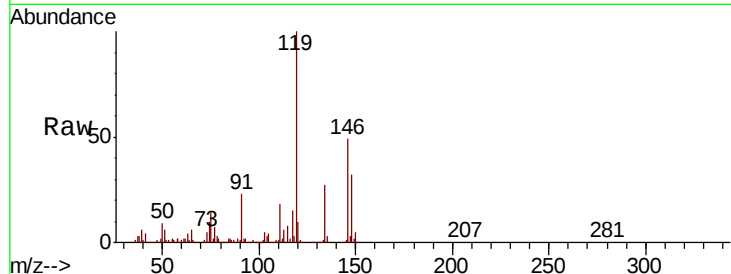
#87
 1,3-Dichlorobenzene
 Concen: 49.693 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.9	56.9
148	64.0	32.1	96.5

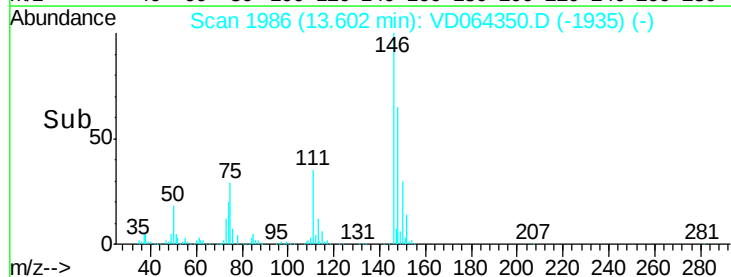
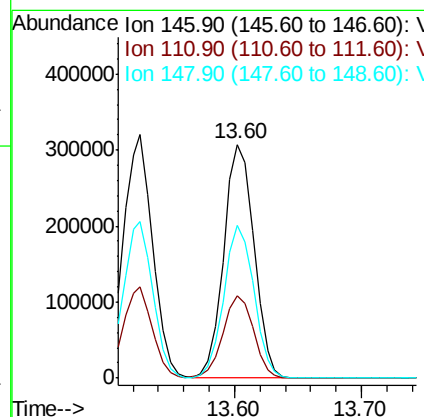
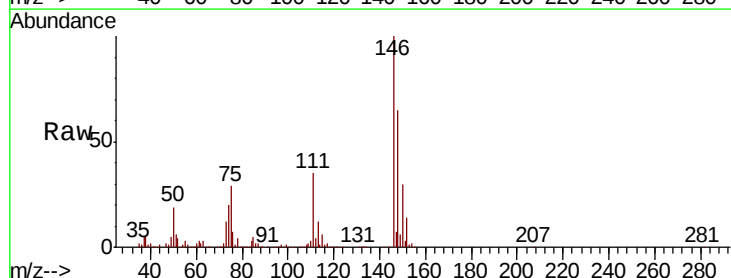
Manual Integrations
 APPROVED

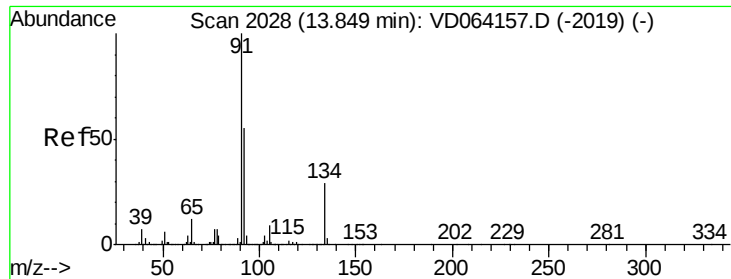
MMDadoda
 11/26/2019 1:34:47 AM



#88
 1,4-Dichlorobenzene
 Concen: 49.506 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.1	54.4
148	64.9	31.9	95.7





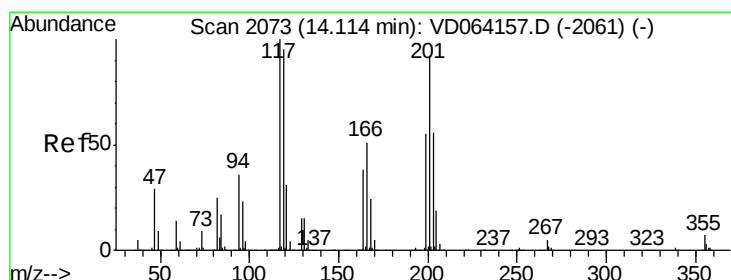
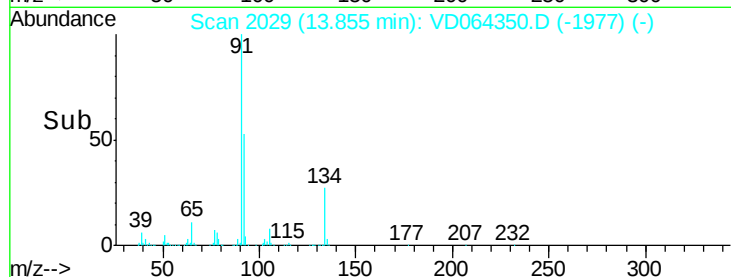
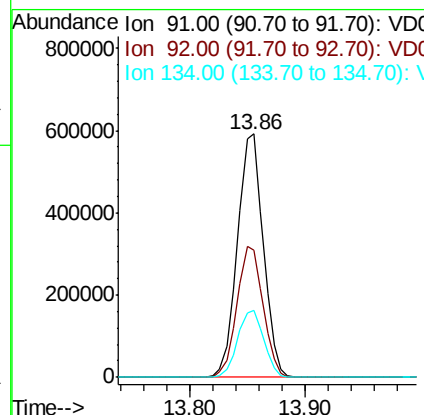
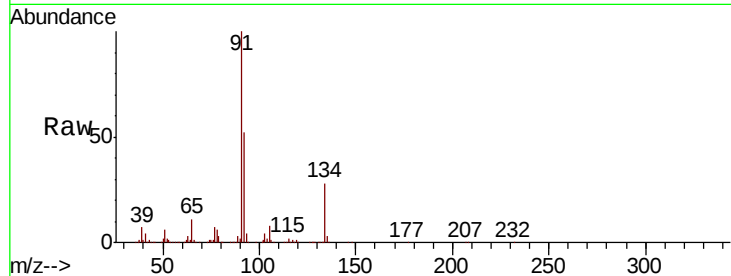
#89
n-Butylbenzene
Concen: 47.010 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.3	81.8
134	27.7	14.1	42.4

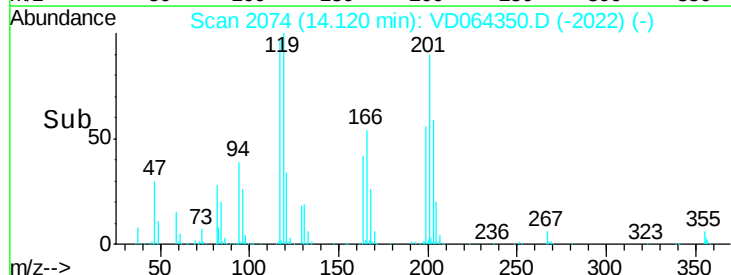
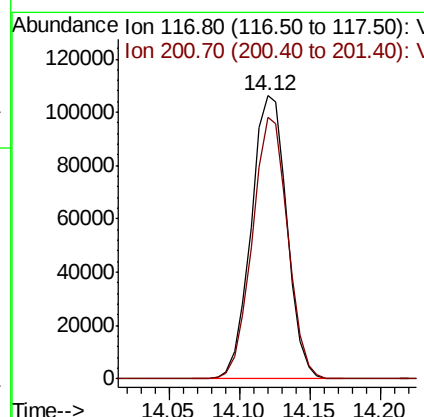
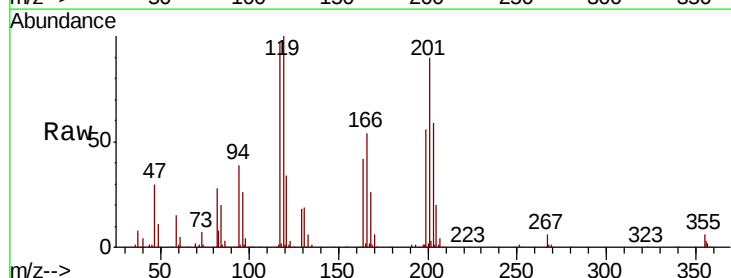
Manual Integrations
APPROVED

MMDadoda
11/26/2019 1:34:47 AM



#90
Hexachloroethane
Concen: 47.180 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.5	45.8	137.4





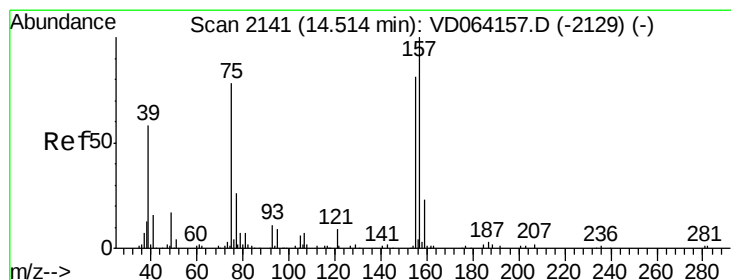
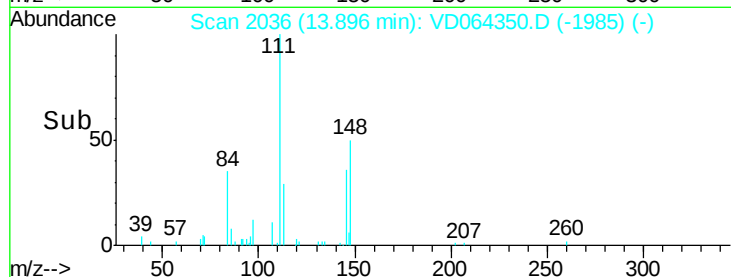
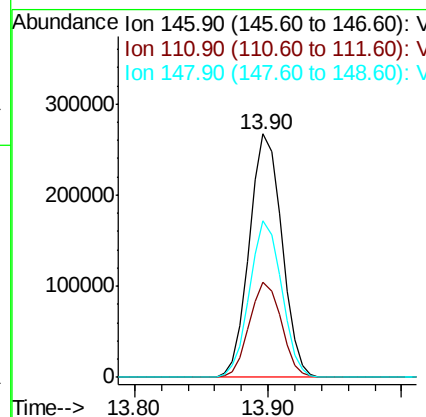
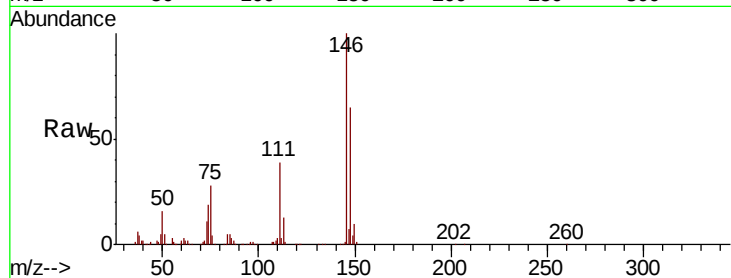
#91
 1,2-Dichlorobenzene
 Concen: 50.187 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	63.8	32.3	96.8

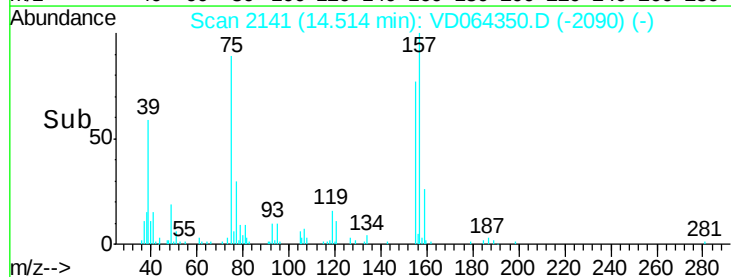
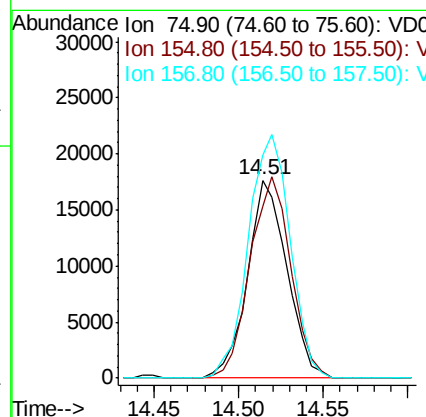
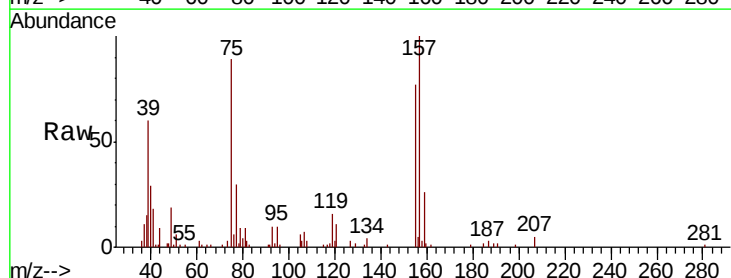
Manual Integrations
 APPROVED

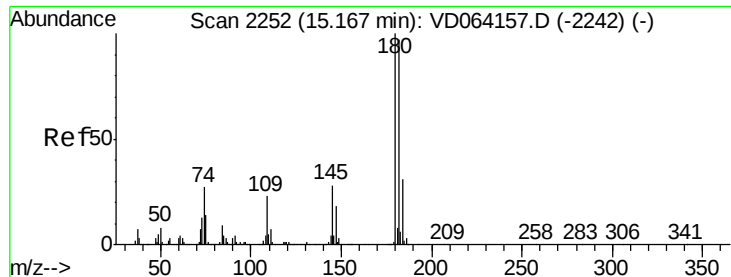
MMDadoda
 11/26/2019 1:34:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.478 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.2	48.0	144.0
157	131.1	61.5	184.4





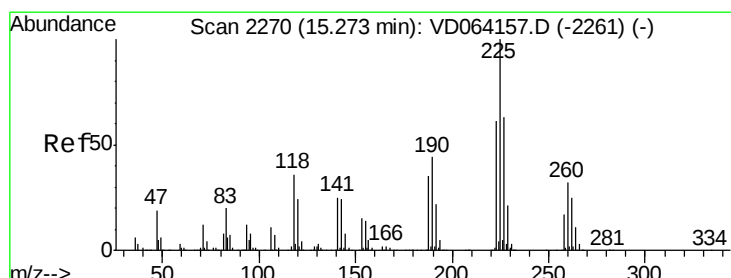
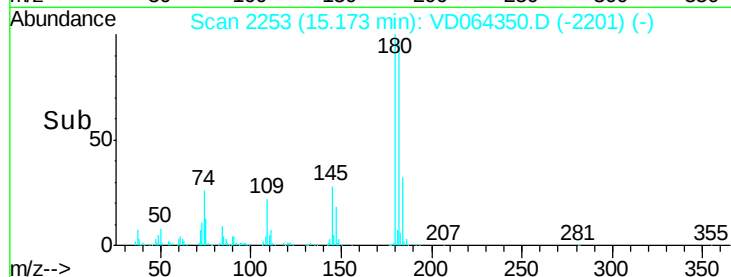
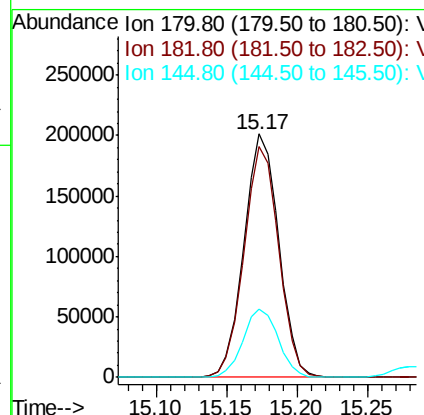
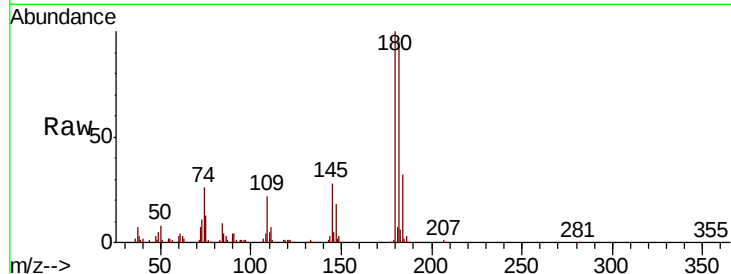
#93
 1,2,4-Trichlorobenzene
 Concen: 50.425 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.5	142.5
145	28.4	14.2	42.6

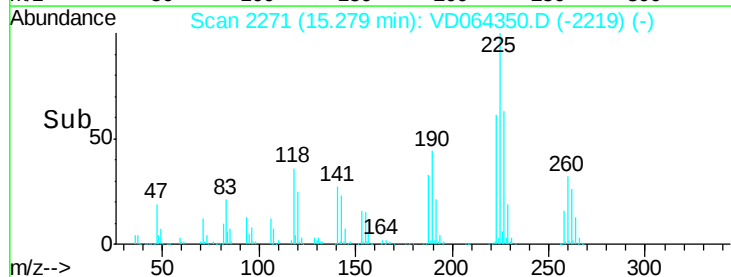
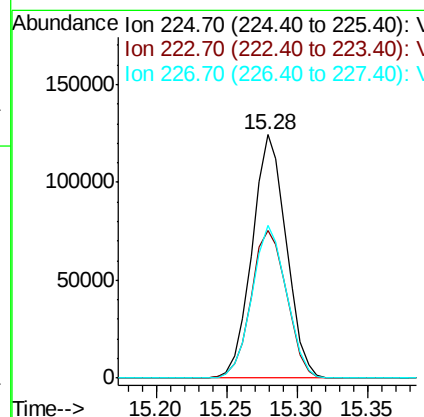
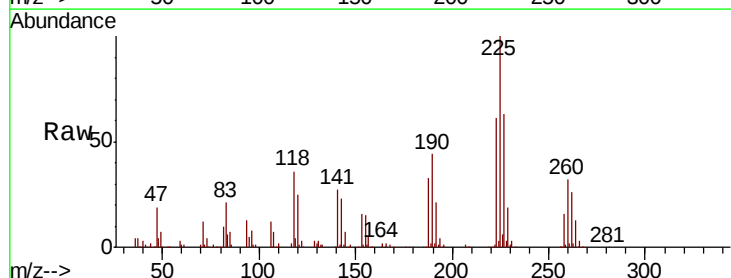
Manual Integrations
 APPROVED

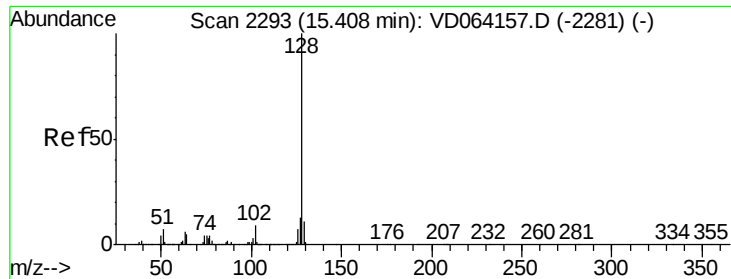
MMDadoda
 11/26/2019 1:34:47 AM



#94
 Hexachlorobutadiene
 Concen: 47.543 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064350.D
 Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.1	93.3
227	63.4	31.5	94.5





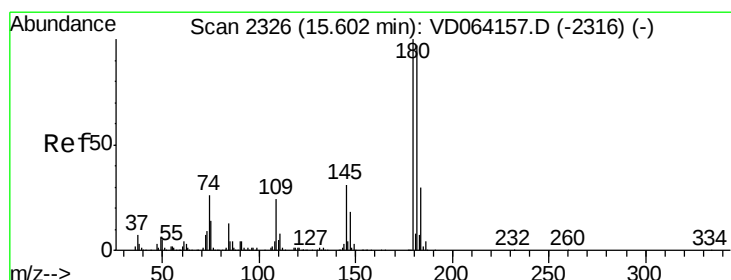
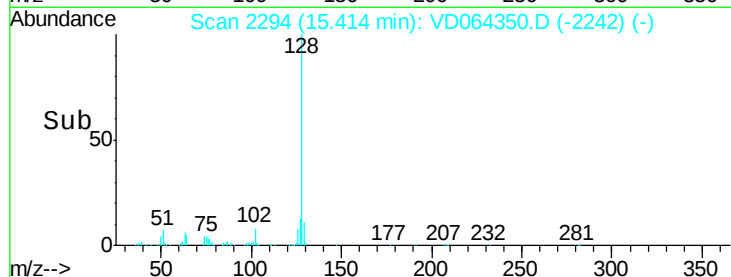
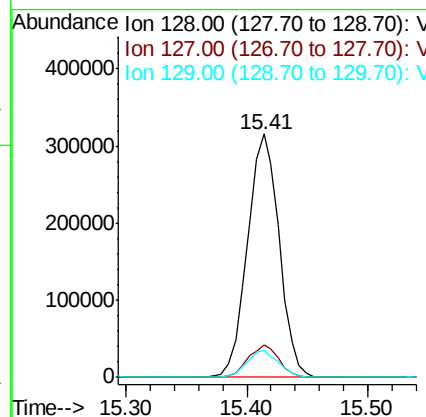
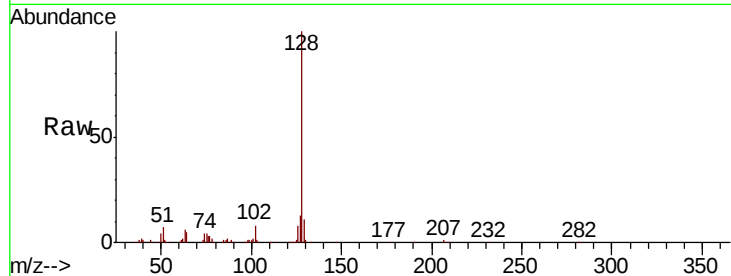
#95
Naphthalene
Concen: 51.078 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/26/2019 1:34:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.377 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064350.D
Acq: 22 Nov 2019 17:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.3	144.9
145	29.8	15.3	45.8

