

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013020\
 Data File : VD065003.D
 Acq On : 30 Jan 2020 10:14
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/31/2020 4:25:35 PM

Quant Time: Jan 30 12:35:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	462888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	665074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	598546	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	285476	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	233462	52.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.16%	
35) Dibromofluoromethane	7.92	113	230466	55.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.28%	
50) Toluene-d8	10.34	98	893026	55.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.72%	
62) 4-Bromofluorobenzene	12.64	95	281330	56.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.98%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	179474	51.467	ug/l	100
3) Chloromethane	2.21	50	248142	48.552	ug/l	98
4) Vinyl Chloride	2.36	62	279033	47.535	ug/l	100
5) Bromomethane	2.77	94	179884	45.556	ug/l	98
6) Chloroethane	2.93	64	190314	49.177	ug/l	98
7) Trichlorofluoromethane	3.27	101	440677	48.609	ug/l	98
8) Diethyl Ether	3.71	74	100615	49.162	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	219373	52.011	ug/l	99
10) Methyl Iodide	4.30	142	231175	51.635	ug/l	99
11) Tert butyl alcohol	5.24	59	59448	242.286	ug/l	97
12) 1,1-Dichloroethene	4.06	96	207288	51.445	ug/l	97
13) Acrolein	3.93	56	93688	304.589	ug/l	90
14) Allyl chloride	4.71	41	341323	53.113	ug/l	97
15) Acrylonitrile	5.43	53	225620	254.577	ug/l	99
16) Acetone	4.17	43	272648	261.293	ug/l	100
17) Carbon Disulfide	4.40	76	658673	49.670	ug/l	99
18) Methyl Acetate	4.72	43	102959	49.512	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	460416	51.140	ug/l	97
20) Methylene Chloride	4.96	84	225293	52.499	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	239544	51.600	ug/l	97
22) Diisopropyl ether	6.37	45	676000	52.782	ug/l	98
23) Vinyl Acetate	6.31	43	1971782	262.956	ug/l	99
24) 1,1-Dichloroethane	6.27	63	407896	51.872	ug/l	98
25) 2-Butanone	7.22	43	321680	268.166	ug/l	99
26) 2,2-Dichloropropane	7.21	77	377501	52.926	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	255808	51.627	ug/l	99
28) Bromochloromethane	7.56	49	172108	54.728	ug/l	97
29) Tetrahydrofuran	7.57	42	185188	250.211	ug/l	99
30) Chloroform	7.71	83	418442	51.477	ug/l	100
31) Cyclohexane	7.98	56	378483	48.927	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	385540	50.983	ug/l	99
36) 1,1-Dichloropropene	8.11	75	338928	52.848	ug/l	100
37) Ethyl Acetate	7.30	43	133133	50.257	ug/l	99
38) Carbon Tetrachloride	8.10	117	350875	51.763	ug/l	95

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013020\
 Data File : VD065003.D
 Acq On : 30 Jan 2020 10:14
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/31/2020 4:25:35 PM

Quant Time: Jan 30 12:35:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	397618	53.031	ug/l	97
40) Benzene	8.35	78	924319	52.331	ug/l	99
41) Methacrylonitrile	7.53	41	77718	54.462	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	273467	51.975	ug/l	99
43) Isopropyl Acetate	8.46	43	258278	51.328	ug/l	100
44) Trichloroethene	9.11	130	259947	52.586	ug/l	98
45) 1,2-Dichloropropane	9.39	63	221875	51.817	ug/l	98
46) Dibromomethane	9.48	93	119773	51.235	ug/l	97
47) Bromodichloromethane	9.67	83	322356	52.993	ug/l	98
48) Methyl methacrylate	9.46	41	129056	55.733	ug/l	96
49) 1,4-Dioxane	9.47	88	27302	1006.989	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	651513	258.765	ug/l	100
52) Toluene	10.41	92	601742	52.842	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	305158	52.665	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	359356	52.970	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	163560	51.942	ug/l	94
56) Ethyl methacrylate	10.67	69	202233	53.706	ug/l	100
57) 1,3-Dichloropropane	10.95	76	277826	51.440	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	335099	267.864	ug/l	100
59) 2-Hexanone	10.99	43	500292	288.072	ug/l	99
60) Dibromochloromethane	11.14	129	221709	52.679	ug/l	100
61) 1,2-Dibromoethane	11.25	107	154530	50.965	ug/l	99
64) Tetrachloroethene	10.88	164	223421	51.655	ug/l	97
65) Chlorobenzene	11.68	112	620787	51.082	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	237098	51.877	ug/l	100
67) Ethyl Benzene	11.75	91	1134758	52.595	ug/l	98
68) m/p-Xylenes	11.86	106	890891	107.247	ug/l	99
69) o-Xylene	12.19	106	390118	52.916	ug/l	99
70) Styrene	12.20	104	709392	54.016	ug/l	99
71) Bromoform	12.37	173	127811	50.307	ug/l #	100
73) Isopropylbenzene	12.48	105	1072675	54.975	ug/l	100
74) N-amyl acetate	12.30	43	230435	52.778	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	165163	50.364	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	119248m	50.327	ug/l	
77) Bromobenzene	12.77	156	255055	53.425	ug/l	100
78) n-propylbenzene	12.83	91	1275752	54.979	ug/l	99
79) 2-Chlorotoluene	12.91	91	692269	54.383	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	887143	55.481	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	56065	50.522	ug/l	96
82) 4-Chlorotoluene	13.01	91	725764	53.761	ug/l	99
83) tert-Butylbenzene	13.23	119	759520	55.973	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	879038	54.268	ug/l	100
85) sec-Butylbenzene	13.41	105	1039213	54.089	ug/l	99
86) p-Isopropyltoluene	13.53	119	976240	54.299	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	489781	53.469	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	475305	52.280	ug/l	100
89) n-Butylbenzene	13.86	91	896654	54.649	ug/l	99
90) Hexachloroethane	14.12	117	186373	53.755	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	413772	53.208	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.53	75	27167	51.766	ug/l	98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013020\
Data File : VD065003.D
Acq On : 30 Jan 2020 10:14
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
1/31/2020 4:25:35 PM

Quant Time: Jan 30 12:35:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
QLast Update : Thu Jan 23 13:45:59 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	282014	52.419	ug/l	99
94) Hexachlorobutadiene	15.28	225	175511	51.576	ug/l	98
95) Naphthalene	15.41	128	461755	53.182	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	238725	51.177	ug/l	98

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

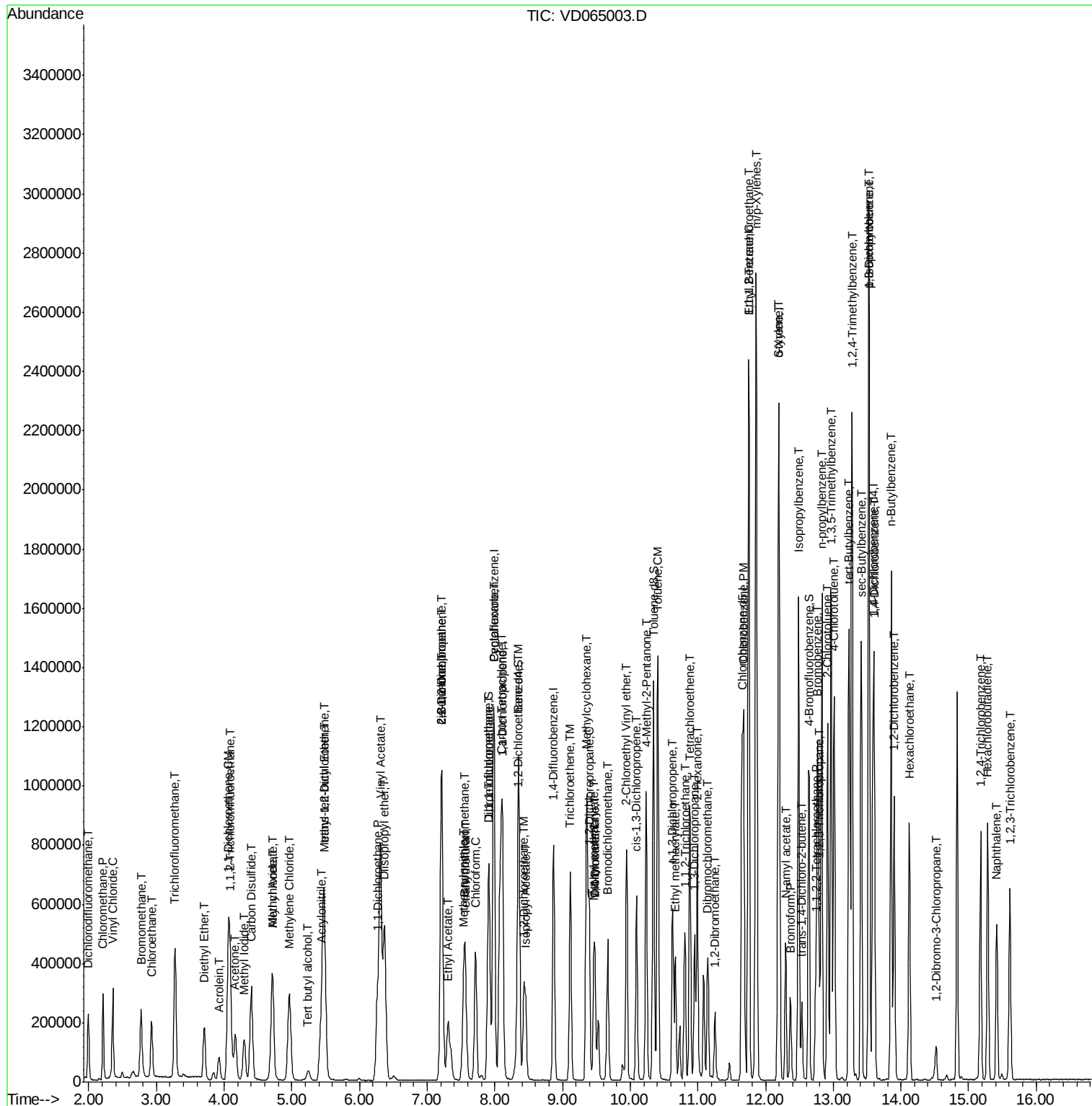
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD013020\
 Data File : VD065003.D
 Acq On : 30 Jan 2020 10:14
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

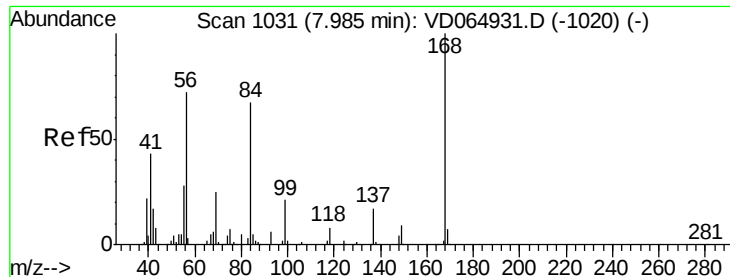
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 1/31/2020 4:25:35 PM

Quant Time: Jan 30 12:35:06 2020
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 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: VD065003.D

Acq: 30 Jan 2020 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 462888

Ion Ratio Lower Upper

168 100

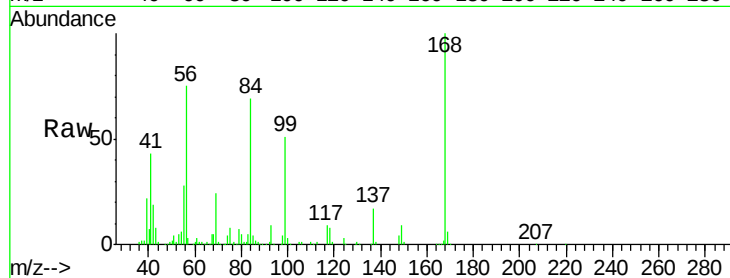
99 51.2 43.3 64.9

Manual Integrations

APPROVED

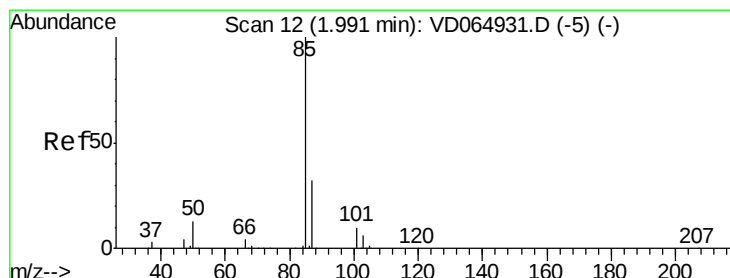
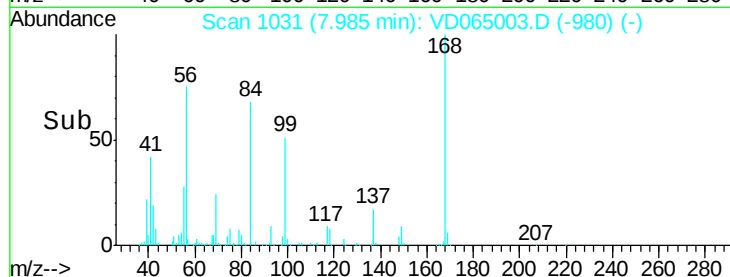
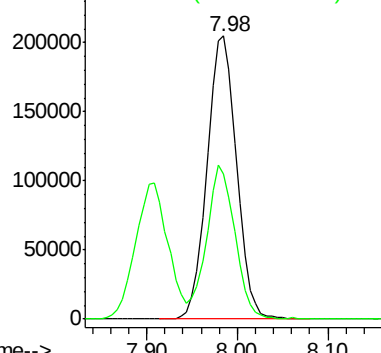
MMDadoda

1/31/2020 4:25:35 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 51.467 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065003.D

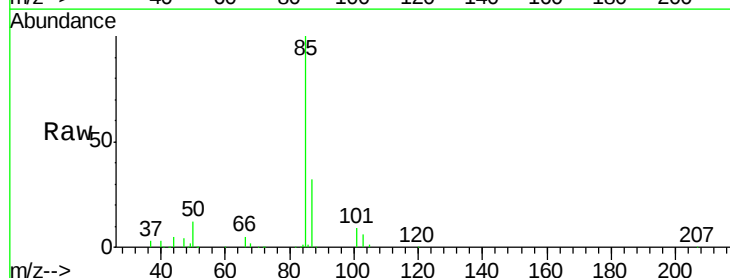
Acq: 30 Jan 2020 10:14

Tgt Ion: 85 Resp: 179474

Ion Ratio Lower Upper

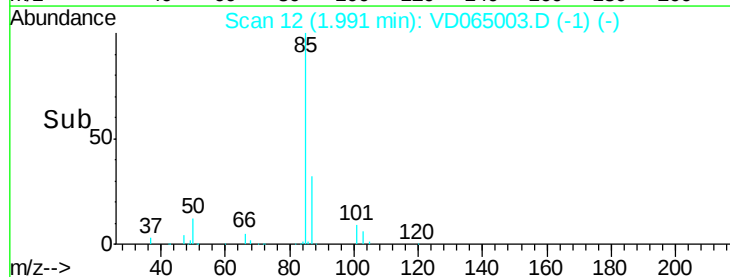
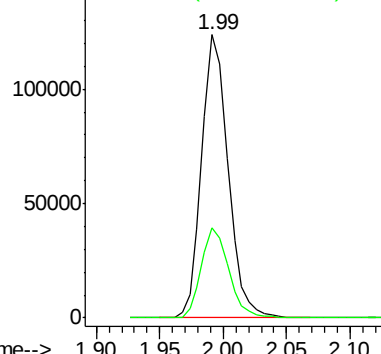
85 100

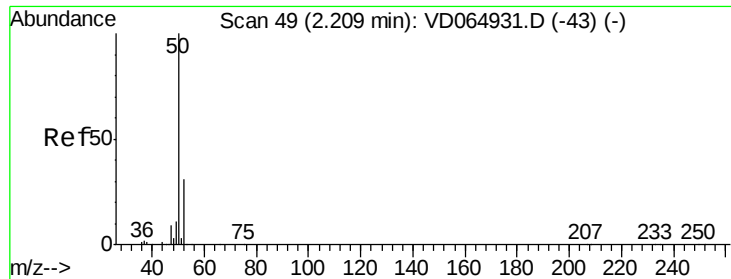
87 31.6 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.552 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 248142

Ion Ratio Lower Upper

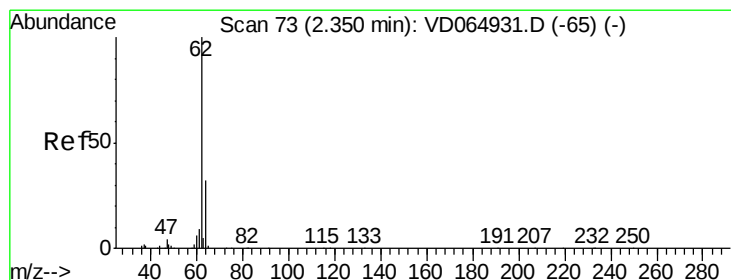
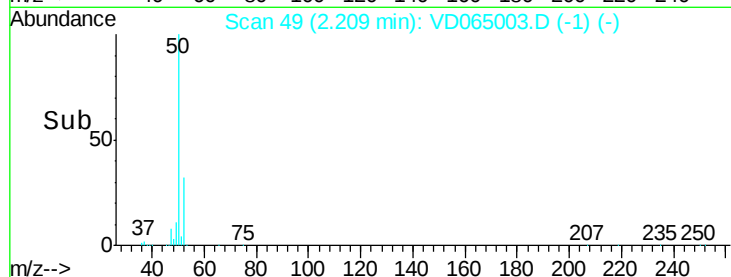
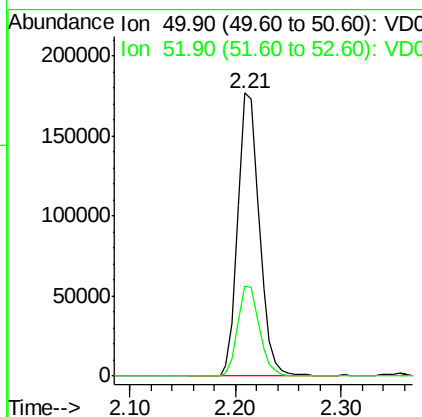
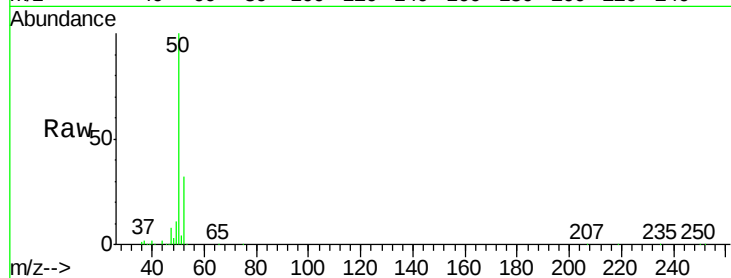
50 100

52 32.0 24.6 36.8

Manual Integrations
APPROVED

MMDadoda

1/31/2020 4:25:35 PM



#4

Vinyl Chloride

Concen: 47.535 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065003.D

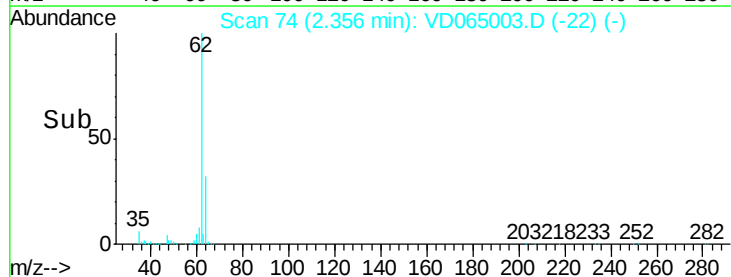
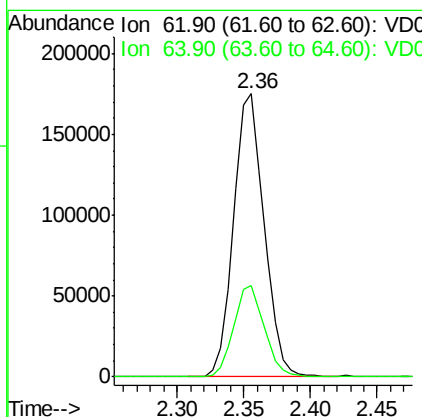
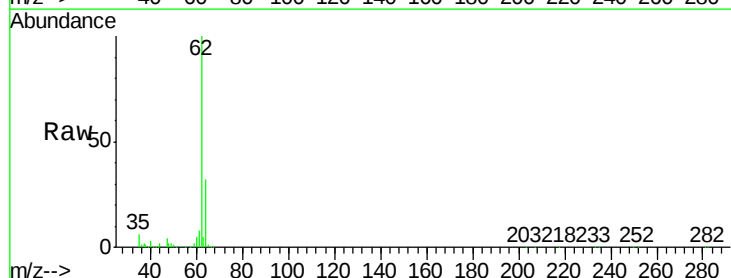
Acq: 30 Jan 2020 10:14

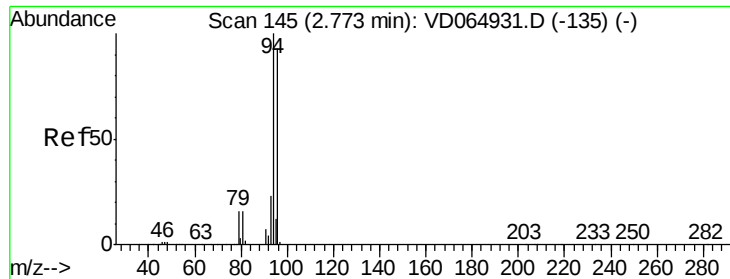
Tgt Ion: 62 Resp: 279033

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4





#5

Bromomethane

Concen: 45.556 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 179884

Ion Ratio Lower Upper

94 100

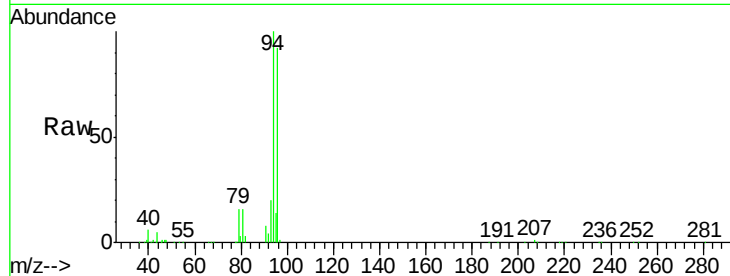
96 91.6 74.6 111.8

Manual Integrations

APPROVED

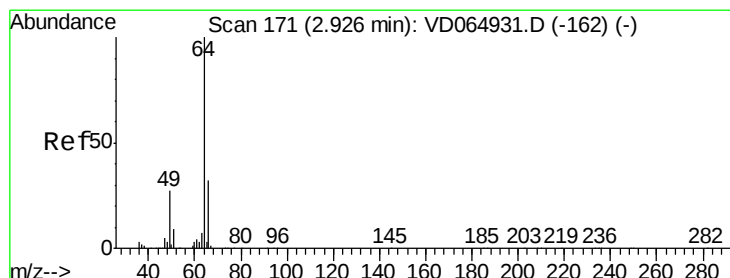
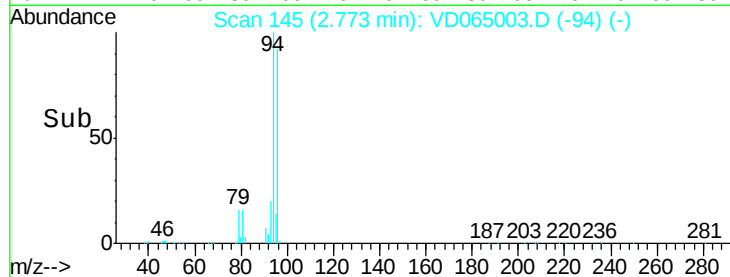
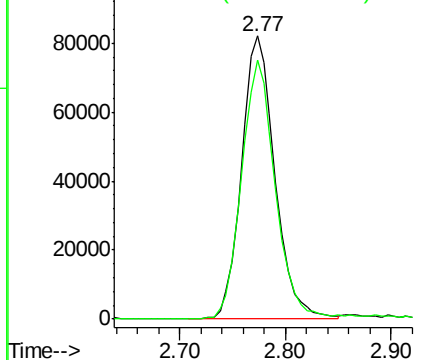
MMDadoda

1/31/2020 4:25:35 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.177 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065003.D

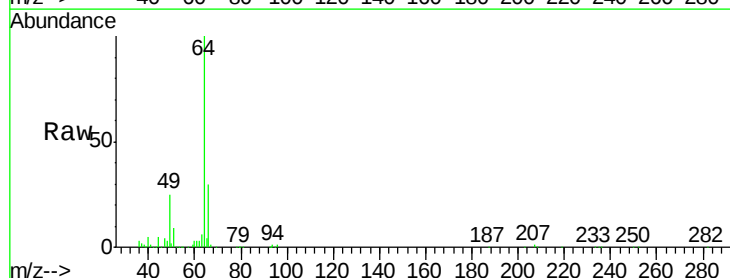
Acq: 30 Jan 2020 10:14

Tgt Ion: 64 Resp: 190314

Ion Ratio Lower Upper

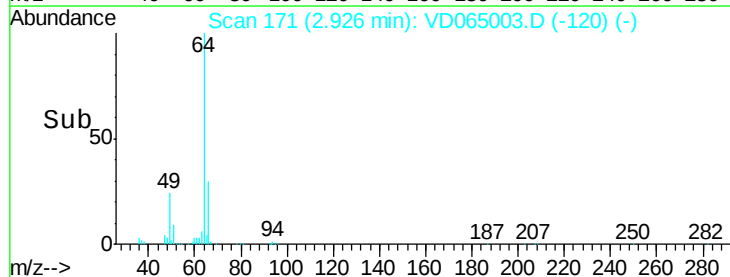
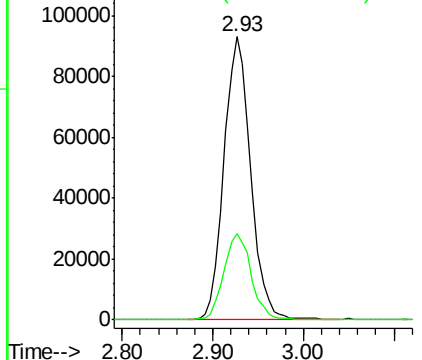
64 100

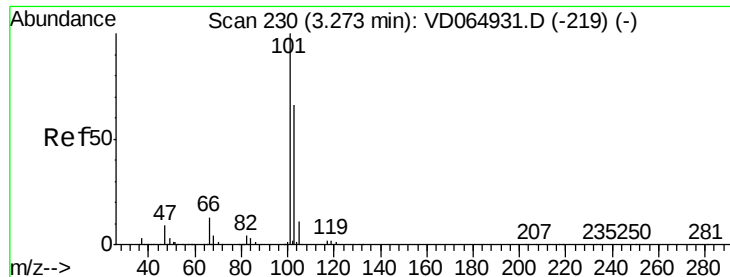
66 30.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

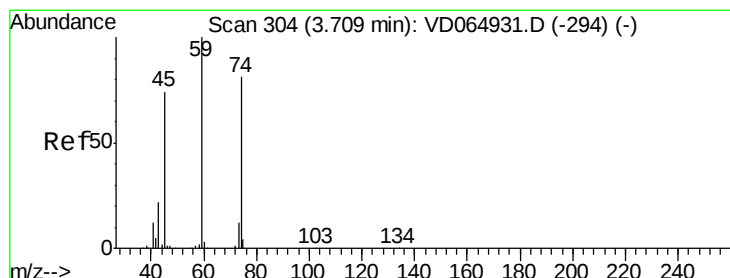
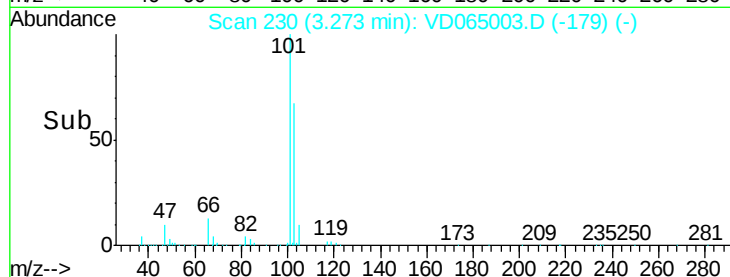
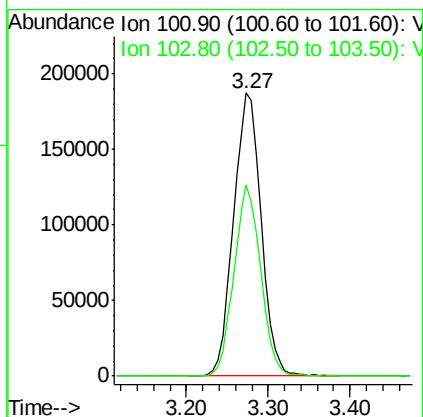
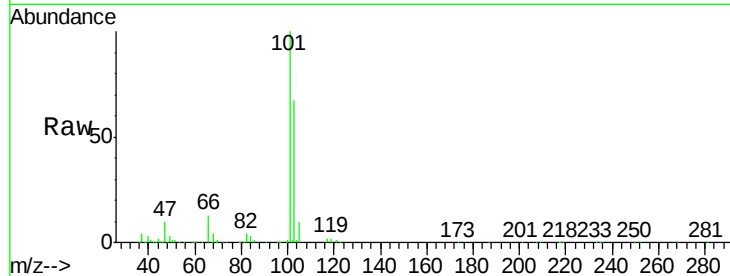
Trichlorofluoromethane
Concen: 48.609 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.4	52.5	78.7

Manual Integrations
APPROVED

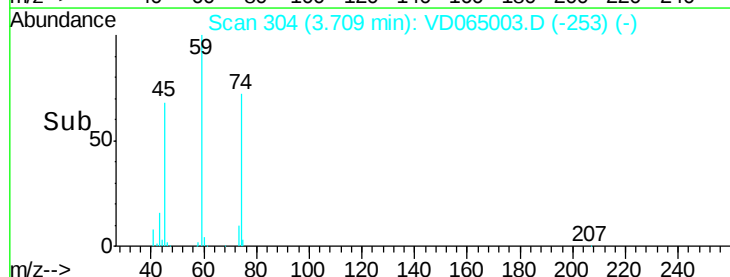
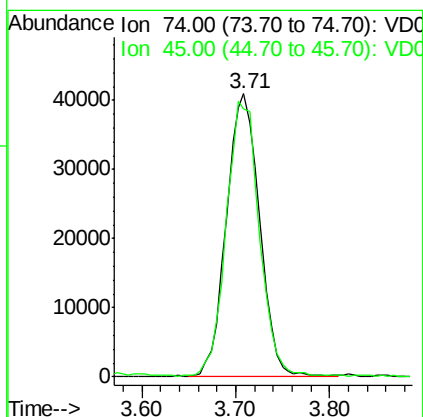
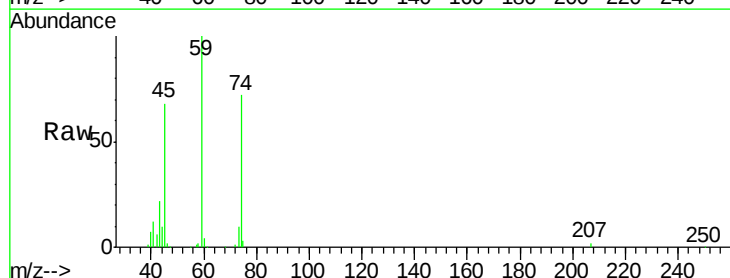
MMDadoda
1/31/2020 4:25:35 PM

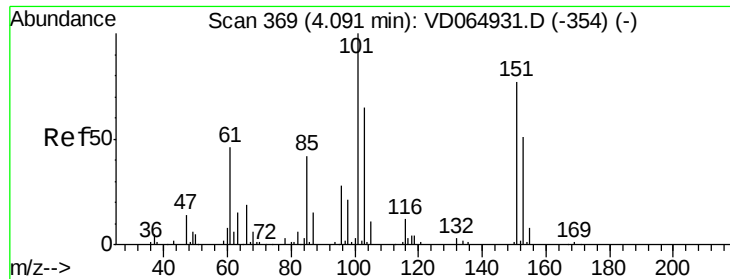


#8

Diethyl Ether
Concen: 49.162 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.6	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.011 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Instrument :

MSVOA_D

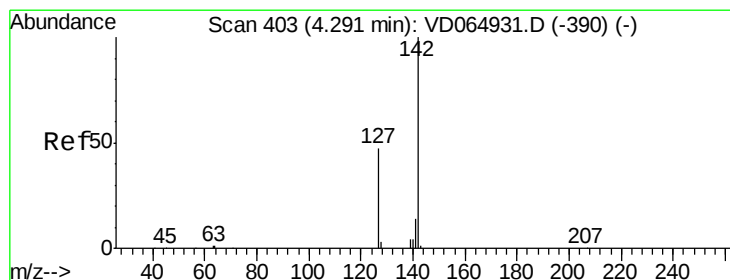
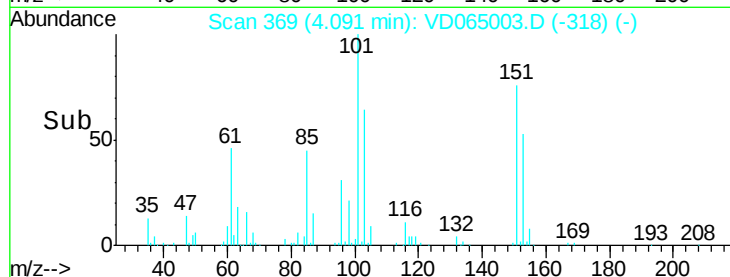
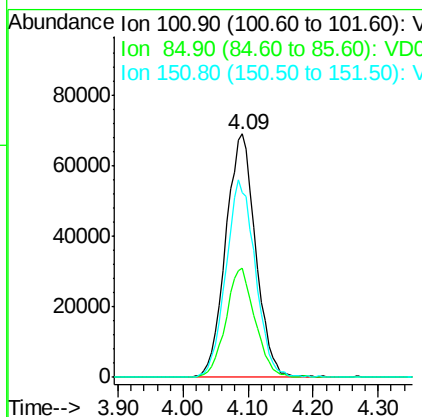
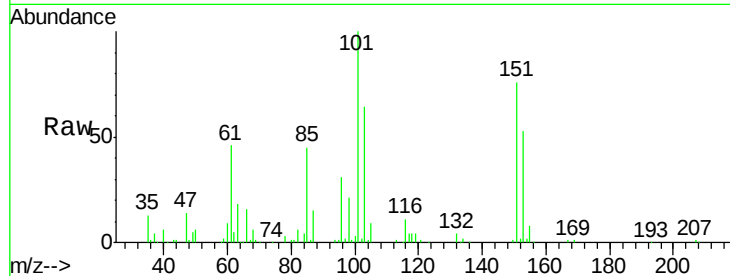
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	219373
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.0	52.4
151	79.8	64.6	96.8

Manual Integrations
APPROVED

MMDadoda
1/31/2020 4:25:35 PM



#10

Methyl Iodide

Concen: 51.635 ug/l

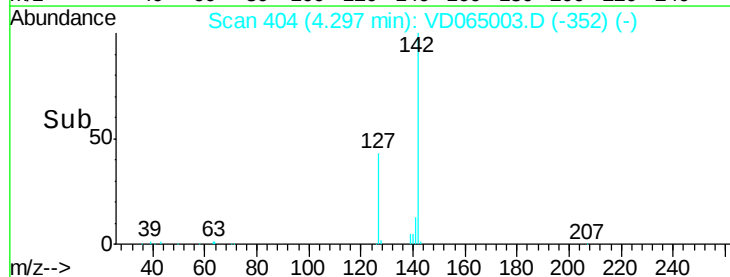
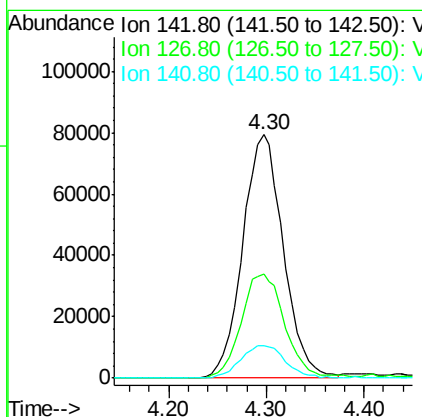
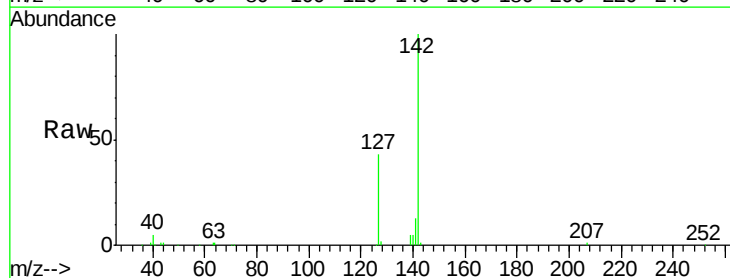
RT: 4.30 min Scan# 404

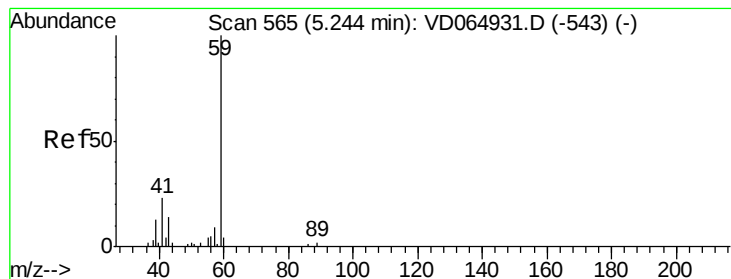
Delta R.T. 0.01 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Tgt Ion:	142	Resp:	231175
Ion Ratio	Lower	Upper	
142	100		
127	46.0	36.2	54.2
141	14.9	11.6	17.4





#11

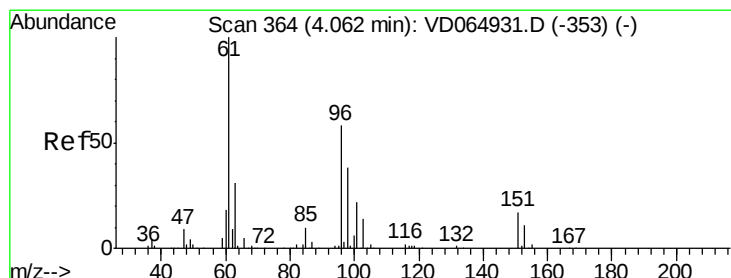
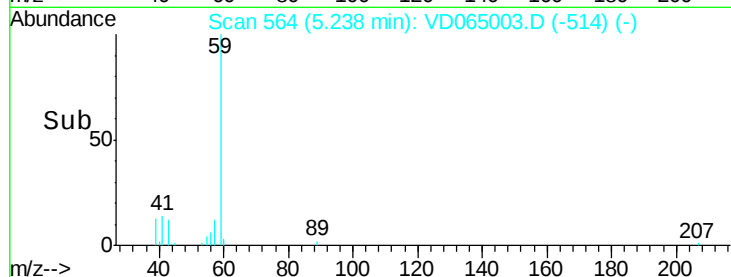
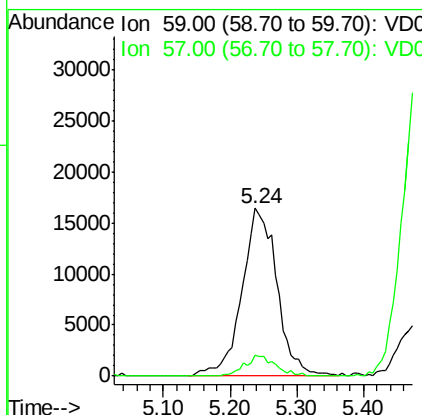
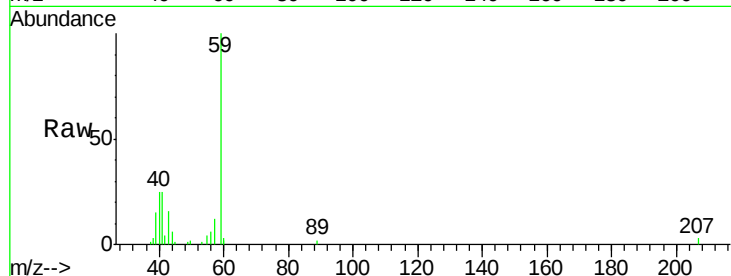
Tert butyl alcohol
Concen: 242.286 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.01 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59.00	Resp	59448
Ion Ratio	100	Lower	Upper
59	100		
57	10.8	7.7	11.5

Manual Integrations
APPROVED

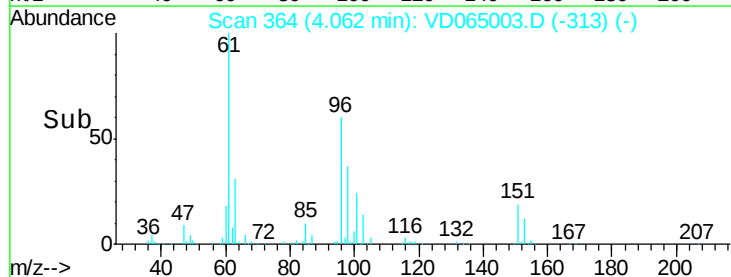
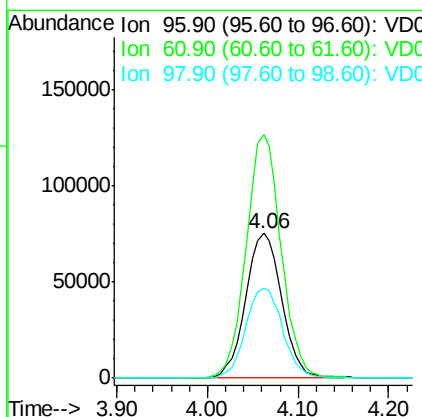
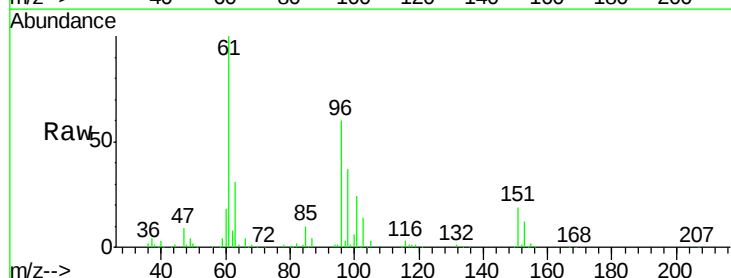
MMDadoda
1/31/2020 4:25:35 PM

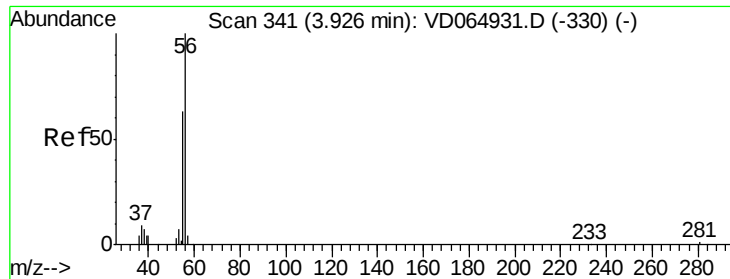


#12

1,1-Dichloroethene
Concen: 51.445 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	96	Resp	207288
Ion Ratio	100	Lower	Upper
96	100		
61	167.9	137.0	205.4
98	62.4	52.1	78.1





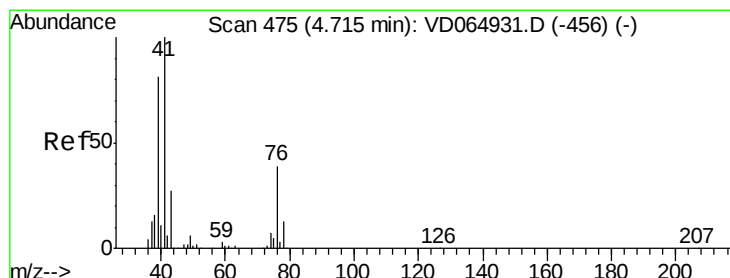
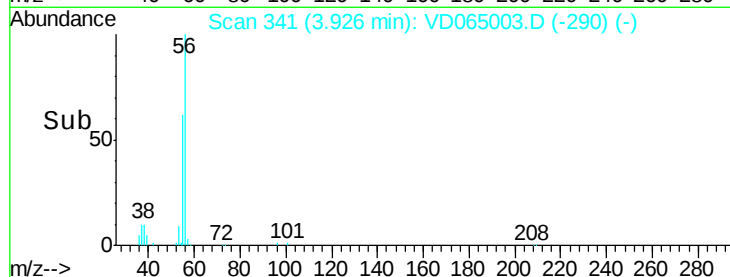
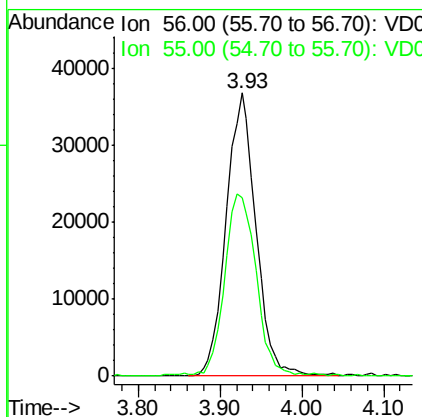
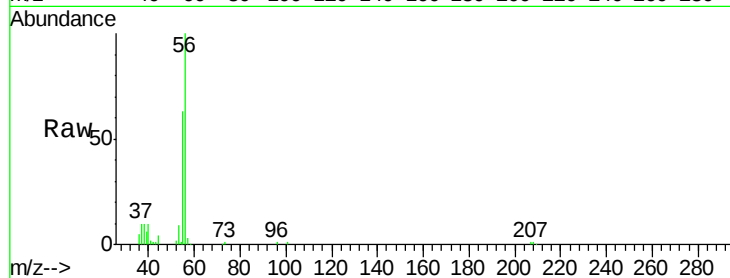
#13
Acrolein
Concen: 304.589 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	93688
Ion Ratio	100	Lower	Upper
55	66.2	59.7	89.5

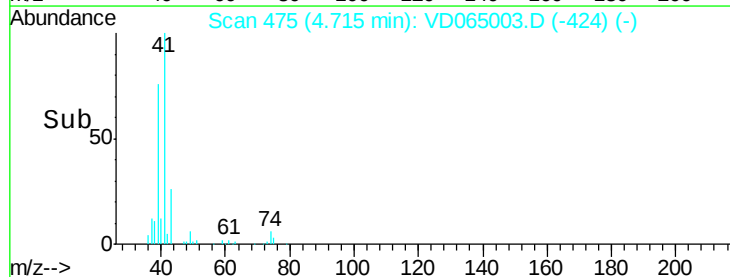
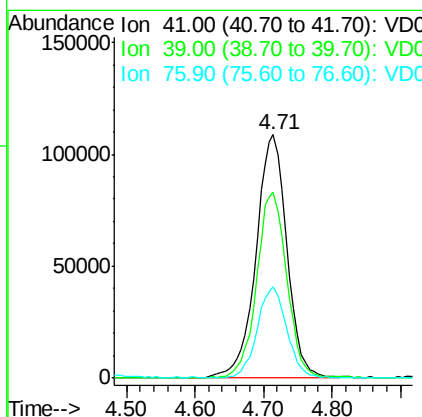
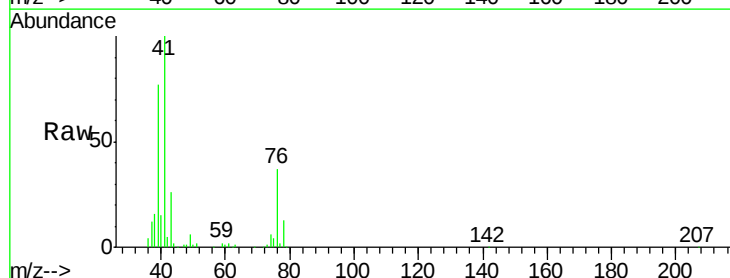
Manual Integrations
APPROVED

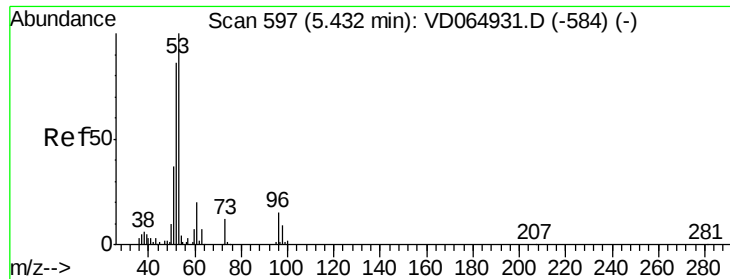
MMDadoda
1/31/2020 4:25:35 PM



#14
Allyl chloride
Concen: 53.113 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	41	Resp	341323
Ion Ratio	100	Lower	Upper
39	74.3	62.0	93.0
76	35.8	29.3	43.9





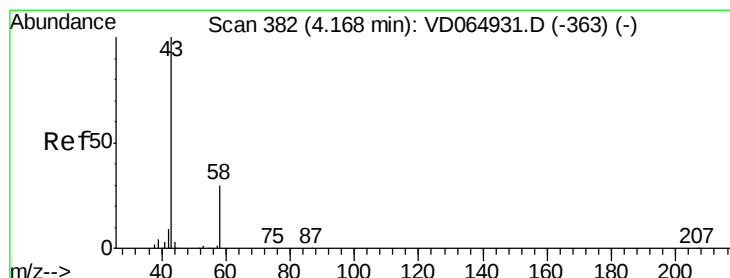
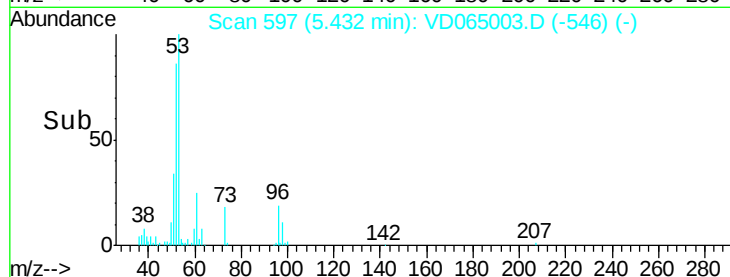
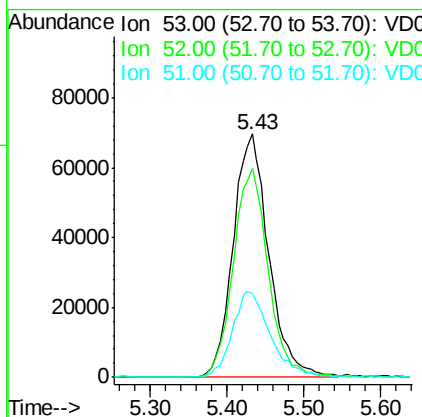
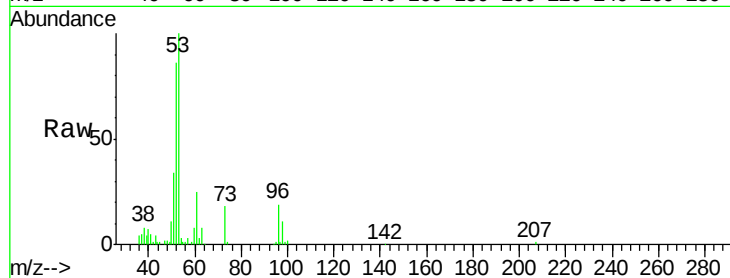
#15
Acrylonitrile
Concen: 254.577 ug/l
RT: 5.43 min Scan# 597
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.7	100.1
51	37.6	31.1	46.7

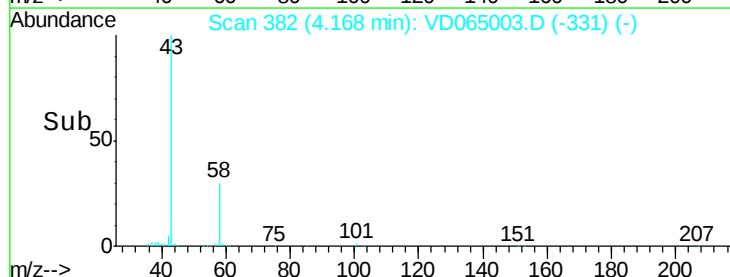
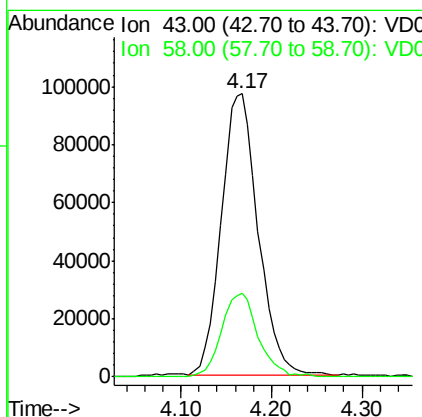
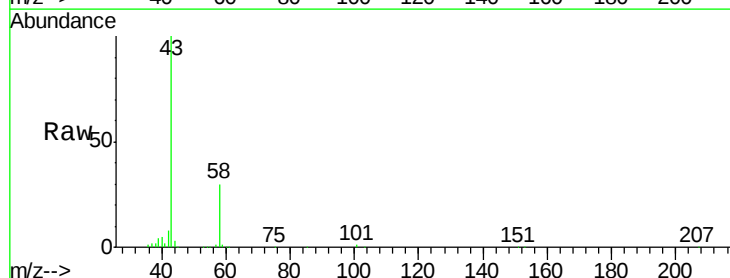
Manual Integrations
APPROVED

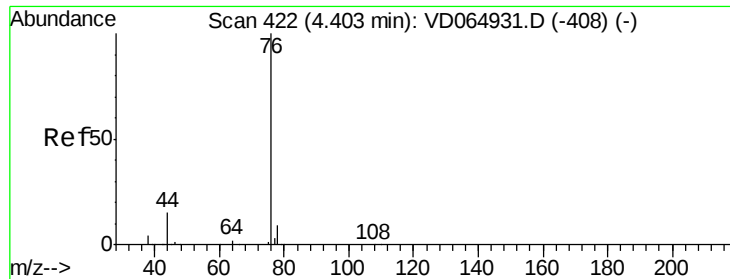
MMDadoda
1/31/2020 4:25:35 PM



#16
Acetone
Concen: 261.293 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.6	23.8	35.8





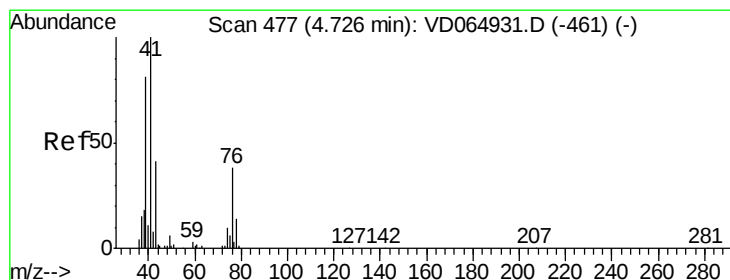
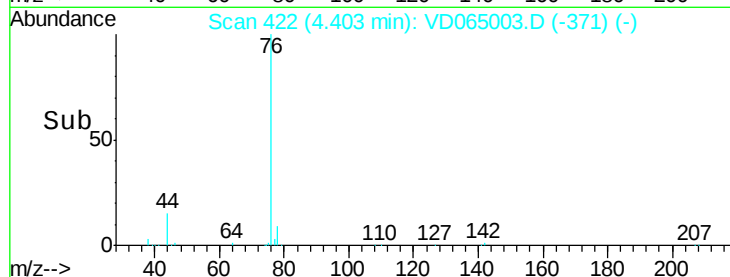
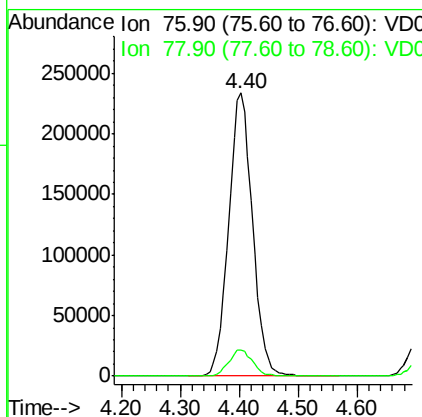
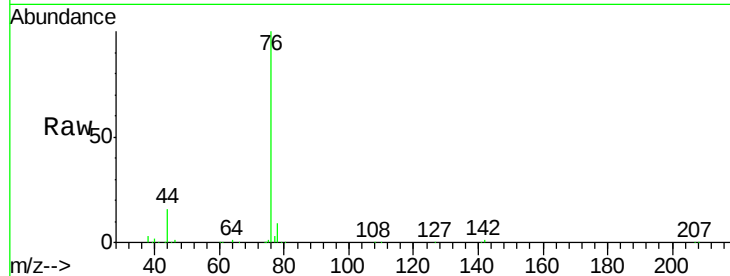
#17
Carbon Disulfide
Concen: 49.670 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 658673
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

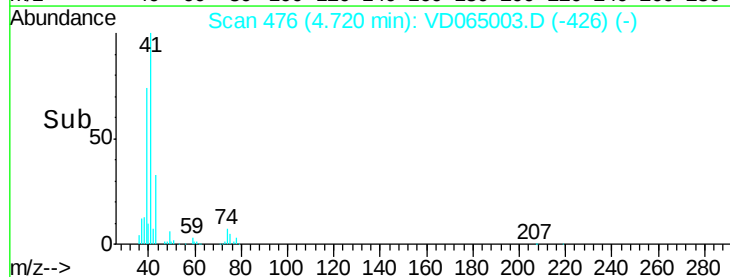
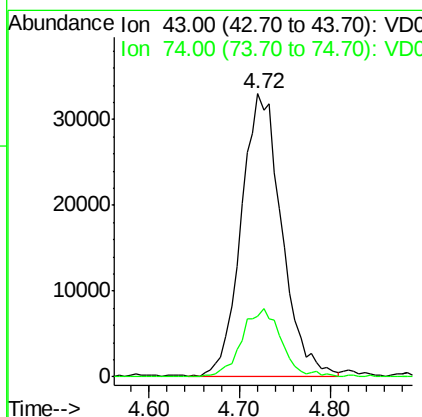
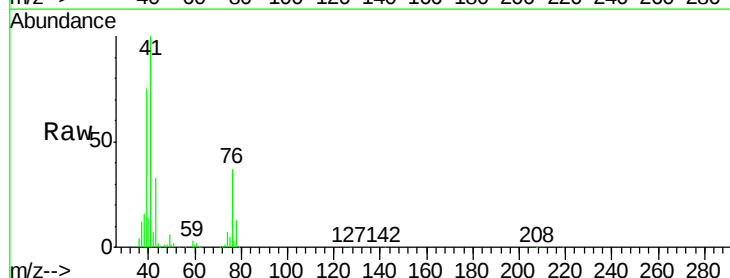
Manual Integrations
APPROVED

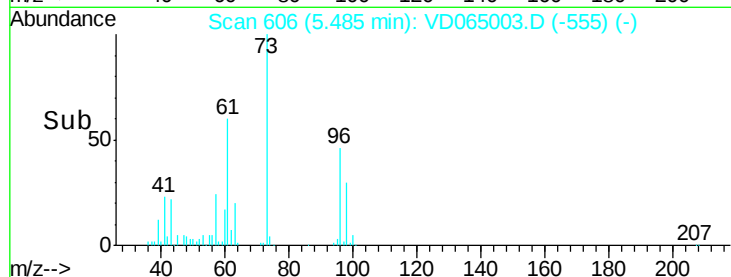
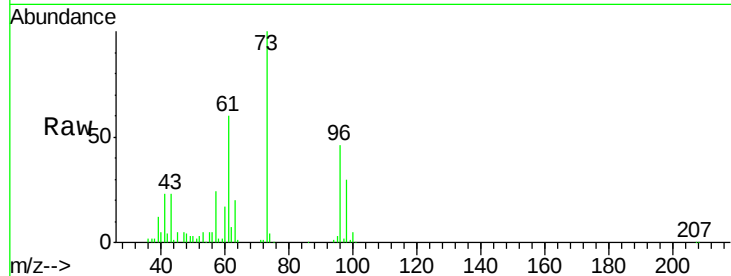
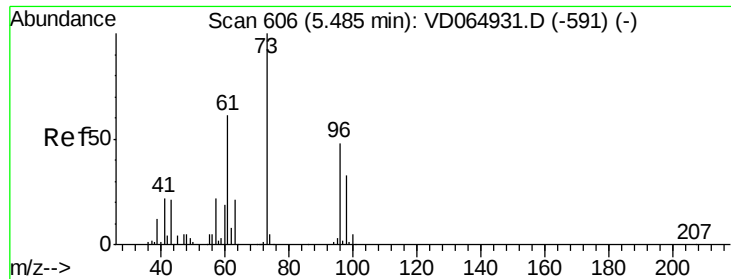
MMDadoda
1/31/2020 4:25:35 PM



#18
Methyl Acetate
Concen: 49.512 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion: 43 Resp: 102959
Ion Ratio Lower Upper
43 100
74 23.5 19.1 28.7





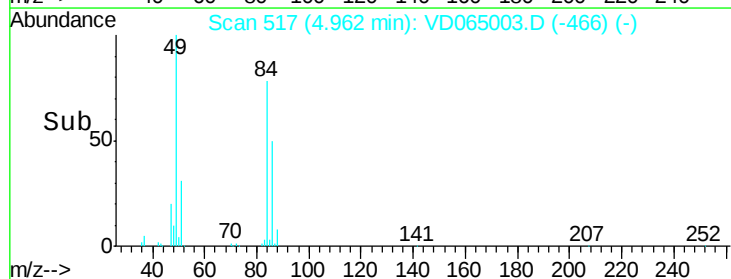
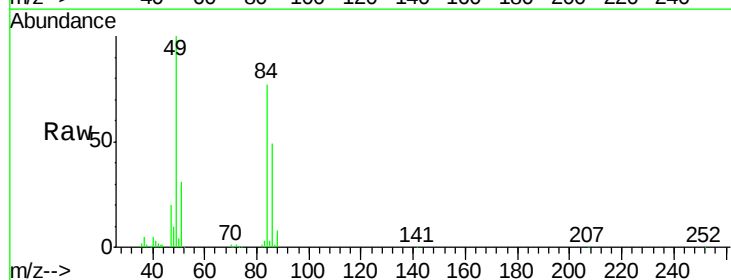
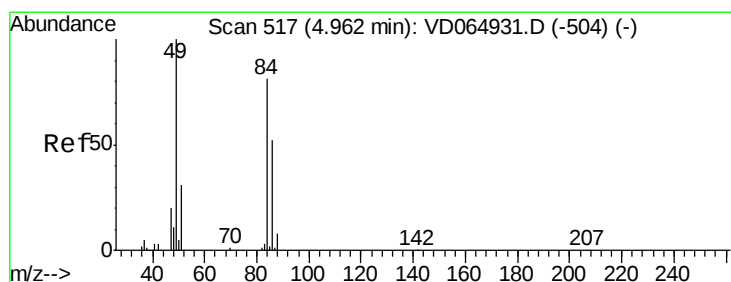
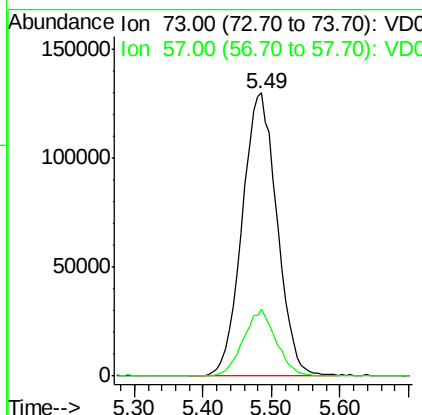
#19
Methyl tert-butyl Ether
Concen: 51.140 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tot Ion	Ratio	Lower	Upper
73	100		
57	23.9	17.9	26.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

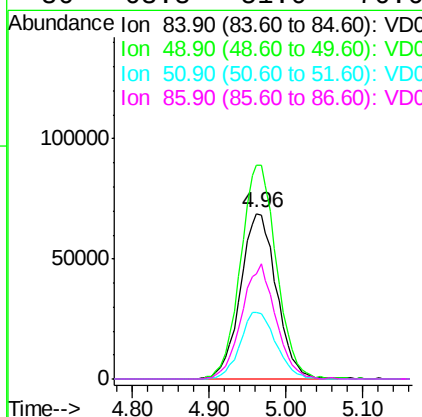
Manual Integrations
APPROVED

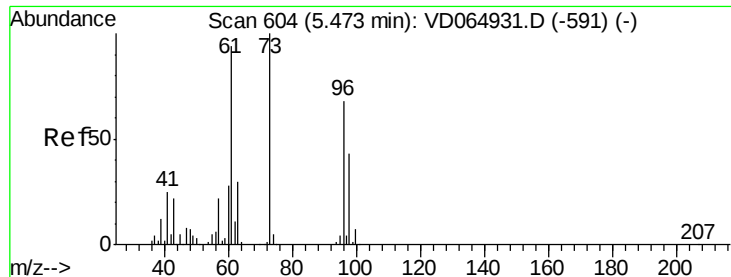
MMDadoda
1/31/2020 4:25:35 PM



#20
Methylene Chloride
Concen: 52.499 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.1	98.4	147.6
51	40.1	30.8	46.2
86	63.8	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 51.600 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Instrument :

MSVOA_D

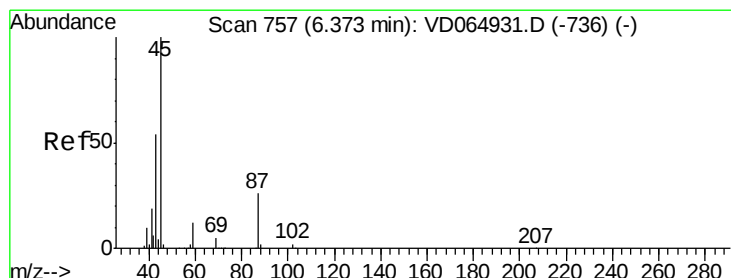
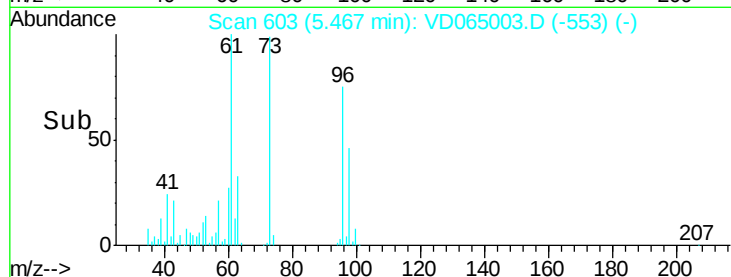
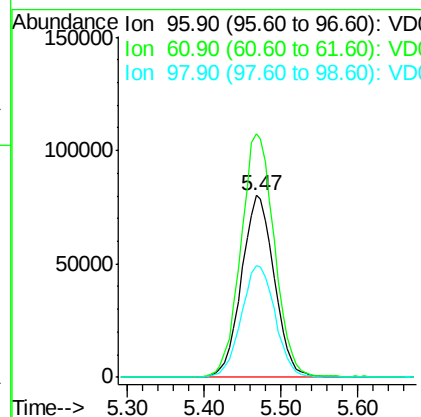
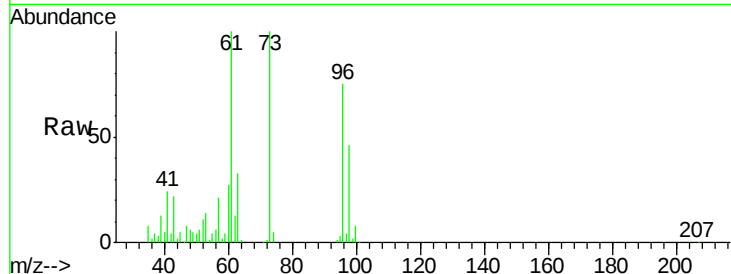
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	239544
Ion	Ratio	Lower	Upper
96	100		
61	134.0	110.4	165.6
98	61.4	50.5	75.7

Manual Integrations
APPROVED

MMDadoda
1/31/2020 4:25:35 PM



#22

Diisopropyl ether

Concen: 52.782 ug/l

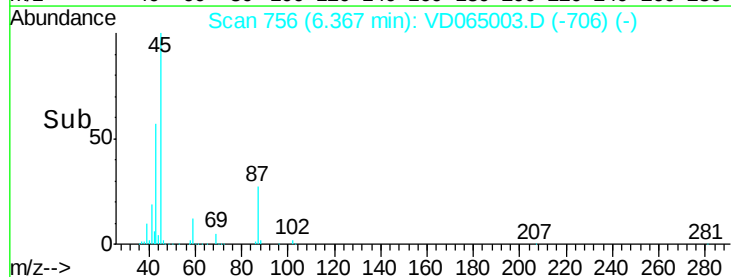
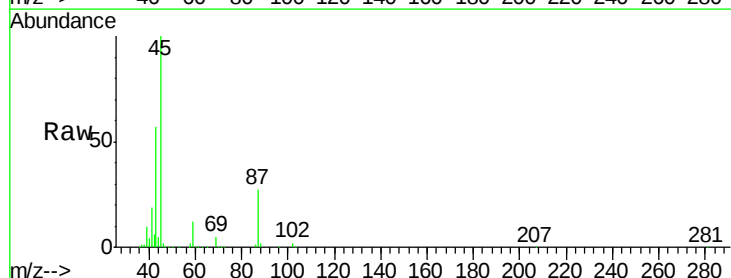
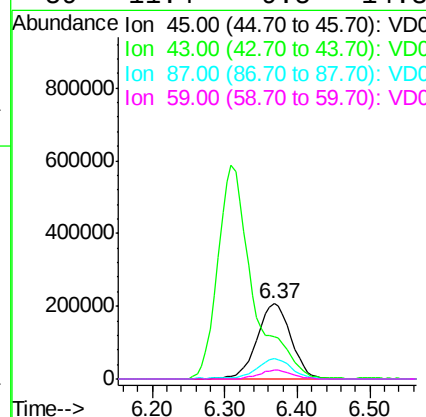
RT: 6.37 min Scan# 756

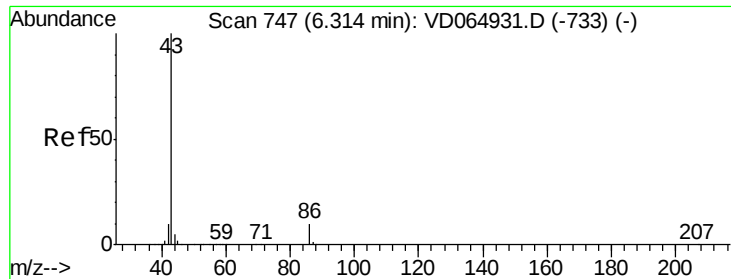
Delta R.T. -0.01 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Tgt Ion:	45	Resp:	676000
Ion	Ratio	Lower	Upper
45	100		
43	55.7	43.1	64.7
87	27.2	21.4	32.2
59	11.4	9.5	14.3





#23

Vinyl Acetate

Concen: 262.956 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1971782

Ion Ratio Lower Upper

43 100

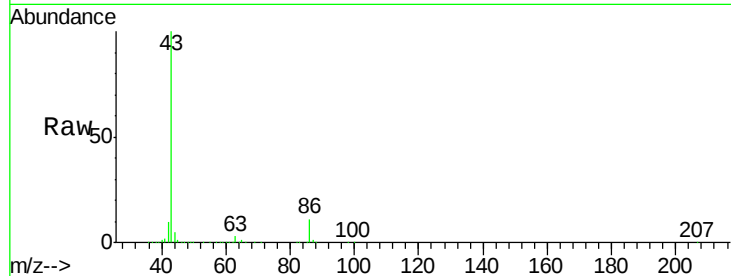
86 10.8 8.3 12.5

Manual Integrations

APPROVED

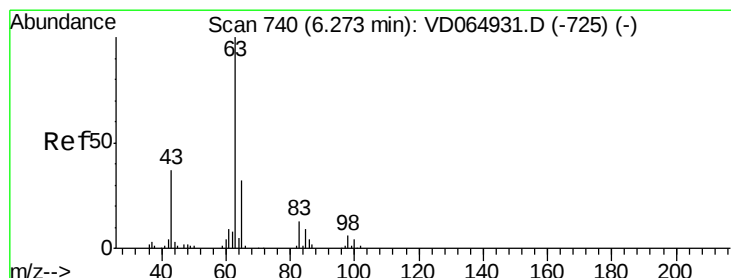
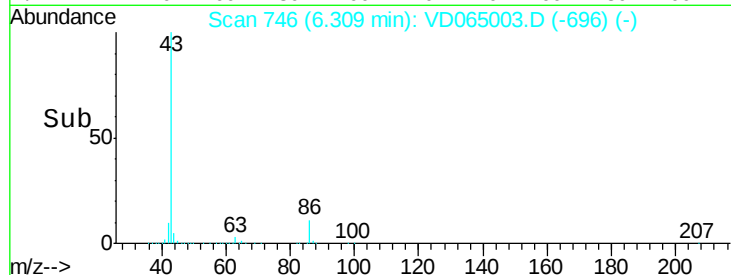
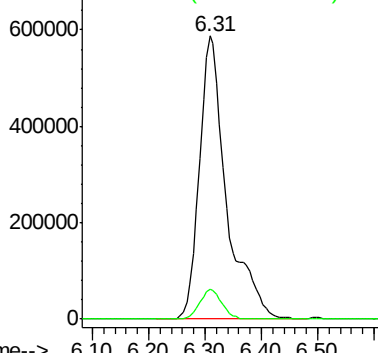
MMDadoda

1/31/2020 4:25:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.872 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

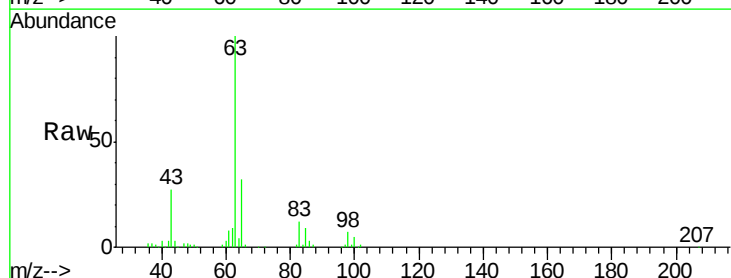
Tgt Ion: 63 Resp: 407896

Ion Ratio Lower Upper

63 100

98 7.2 3.1 9.3

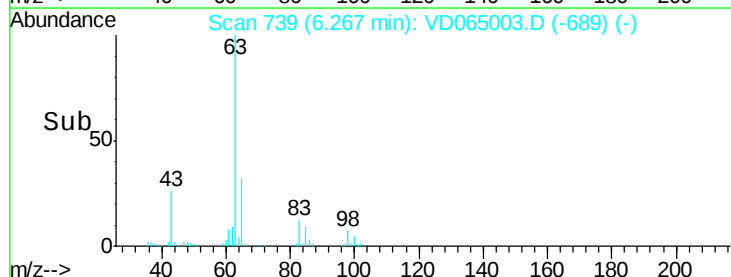
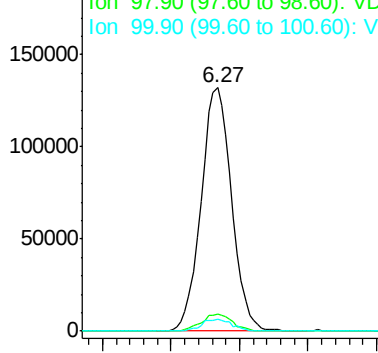
100 4.7 2.3 6.8

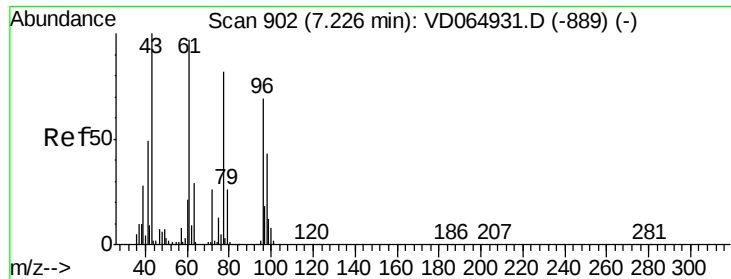


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 268.166 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 321680

Ion Ratio Lower Upper

43 100

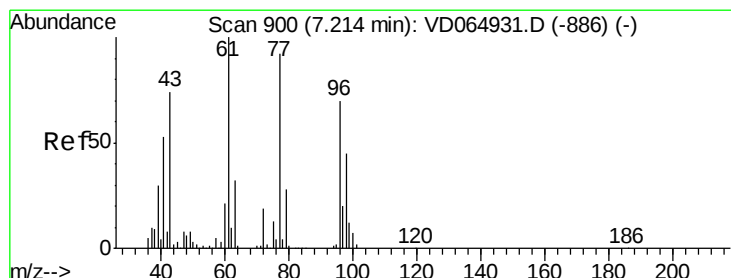
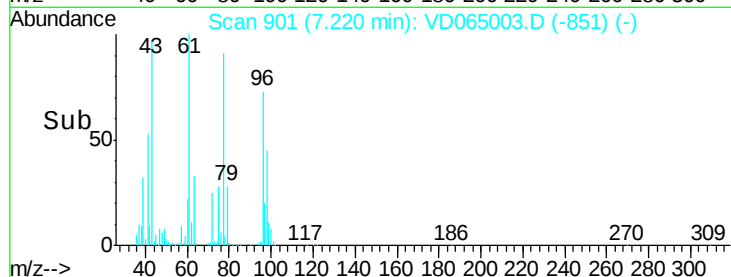
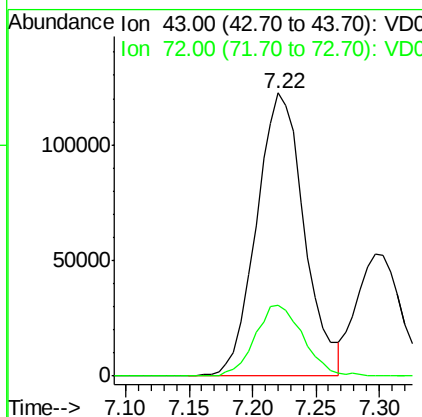
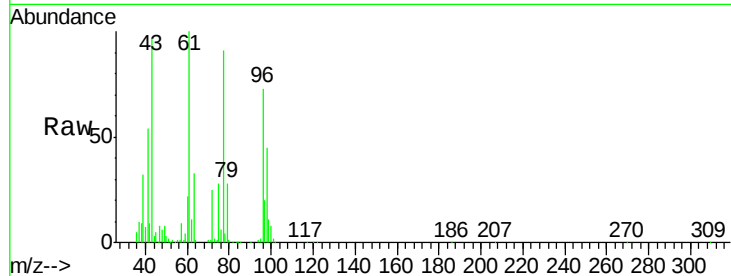
72 25.3 20.6 31.0

Manual Integrations

APPROVED

MMDadoda

1/31/2020 4:25:35 PM



#26

2,2-Dichloropropane

Concen: 52.926 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065003.D

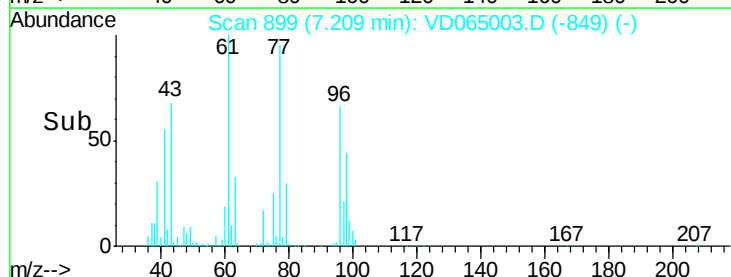
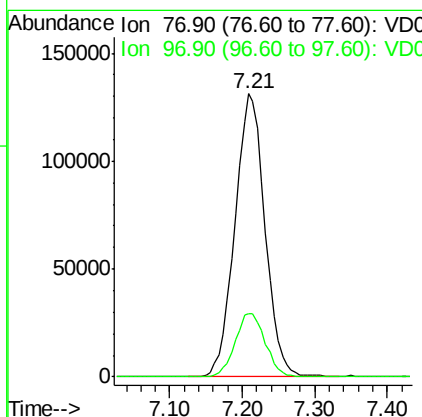
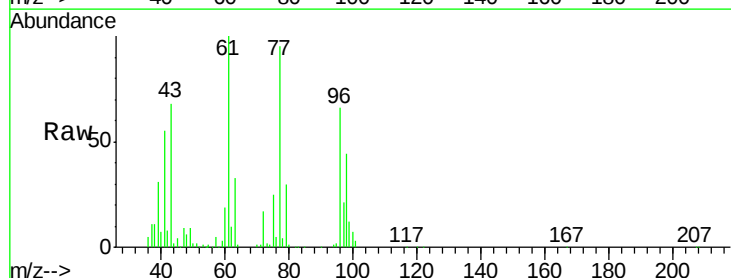
Acq: 30 Jan 2020 10:14

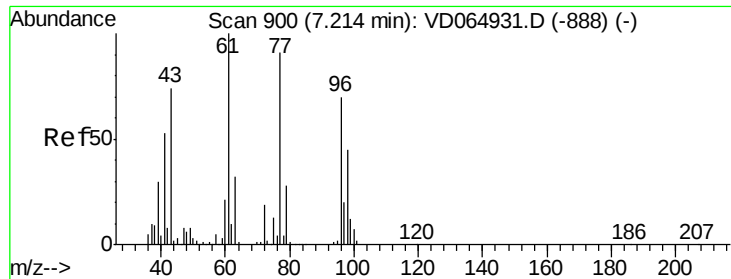
Tgt Ion: 77 Resp: 377501

Ion Ratio Lower Upper

77 100

97 22.5 11.4 34.2





#27

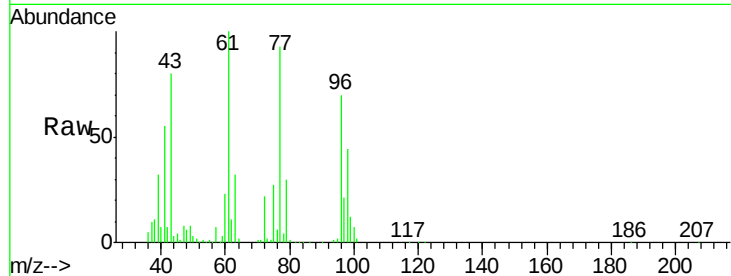
cis-1,2-Dichloroethene
Concen: 51.627 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

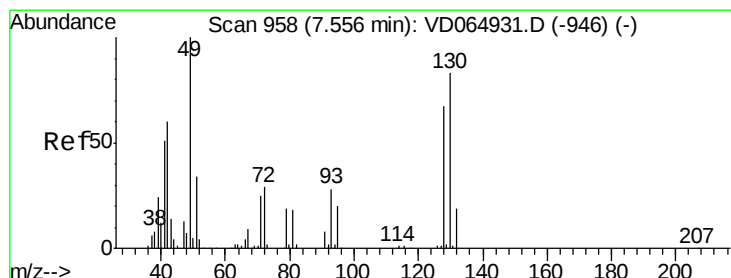
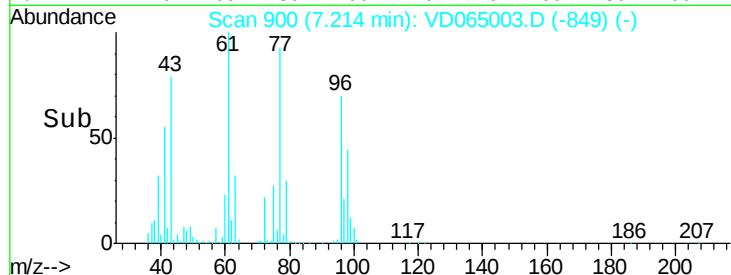
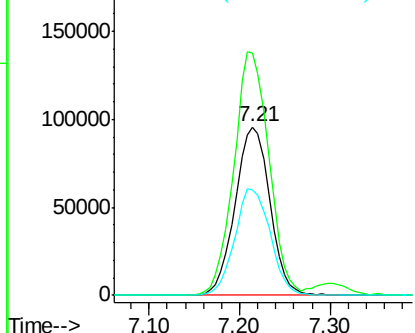
Tot Ion	Ratio	Resp	Lower	Upper
96	100	255808		
61	145.7	0.0	292.8	
98	64.4	0.0	130.0	

Manual Integrations
APPROVED

MMDadoda
1/31/2020 4:25:35 PM



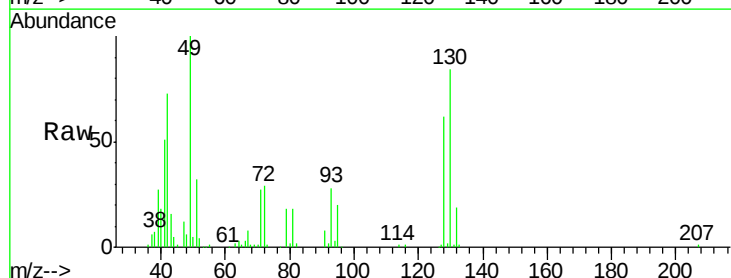
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



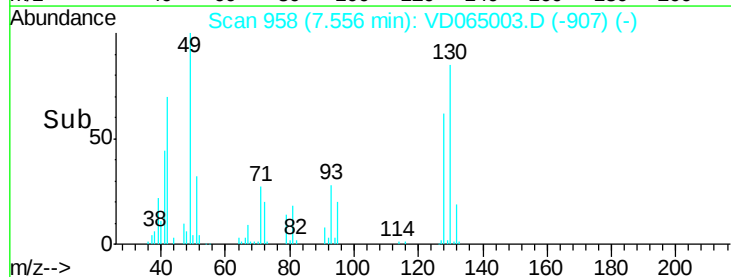
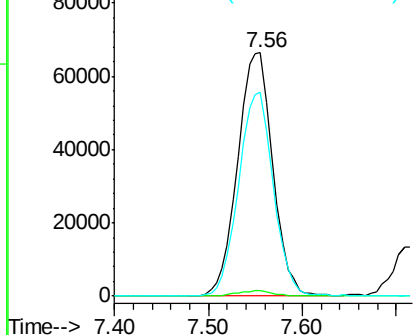
#28

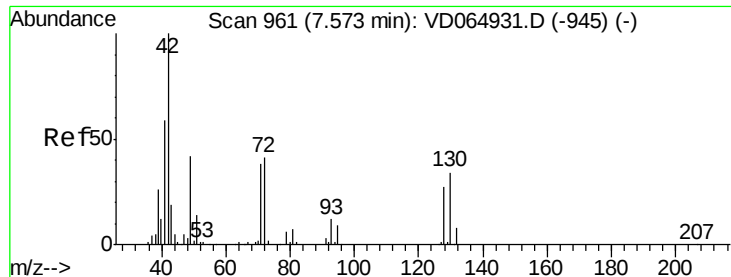
Bromochloromethane
Concen: 54.728 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	172108		
129	2.2	0.0	4.4	
130	82.7	63.8	95.8	



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





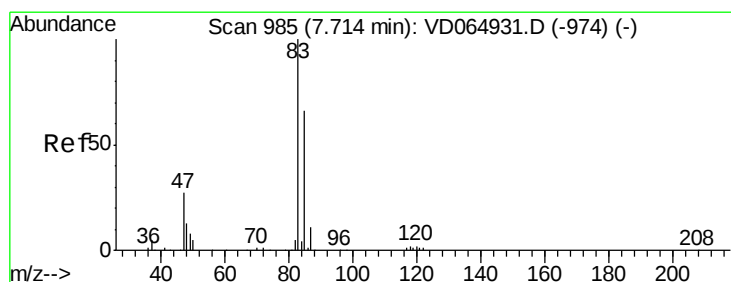
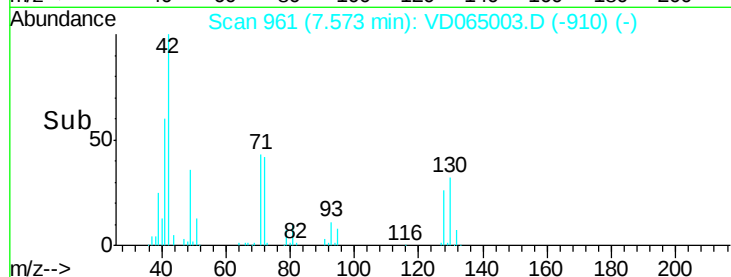
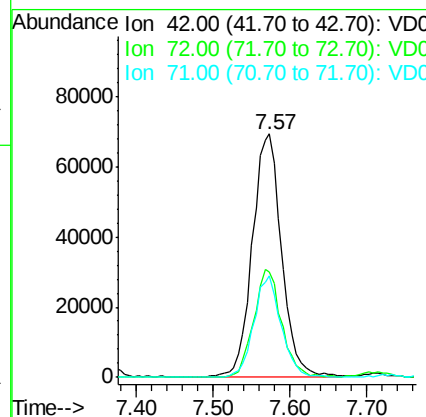
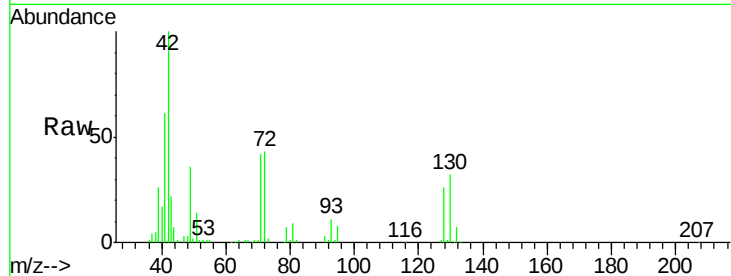
#29
Tetrahydrofuran
Concen: 250.211 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	34.0	51.0
71	39.0	31.5	47.3

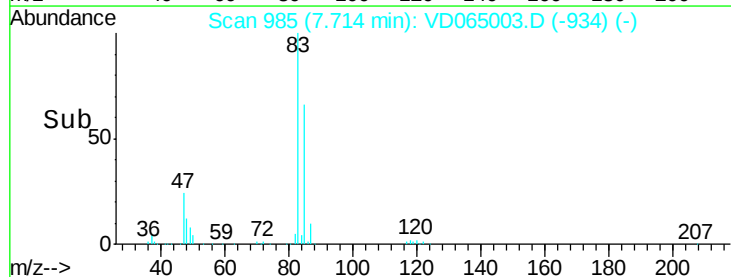
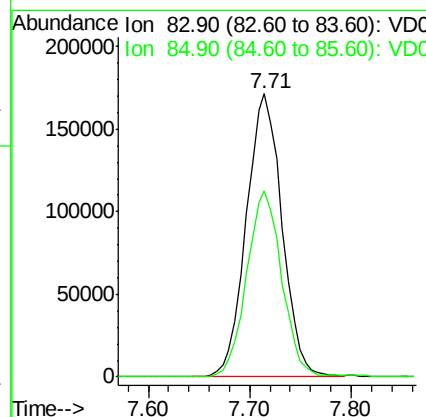
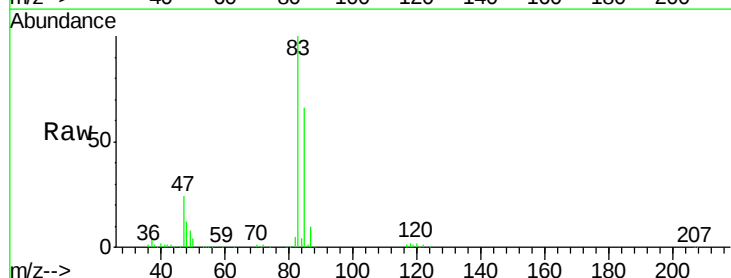
Manual Integrations
APPROVED

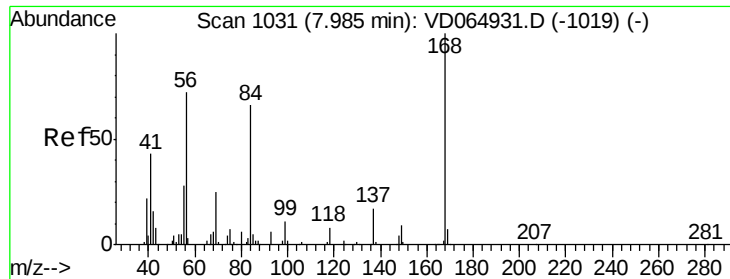
MMDadoda
1/31/2020 4:25:35 PM



#30
Chloroform
Concen: 51.477 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.6	52.4	78.6





#31

Cyclohexane

Concen: 48.927 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Instrument :

MSVOA_D

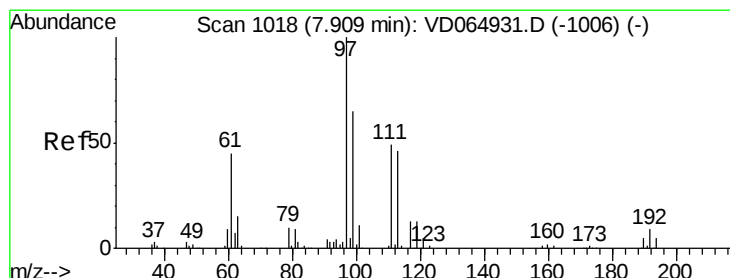
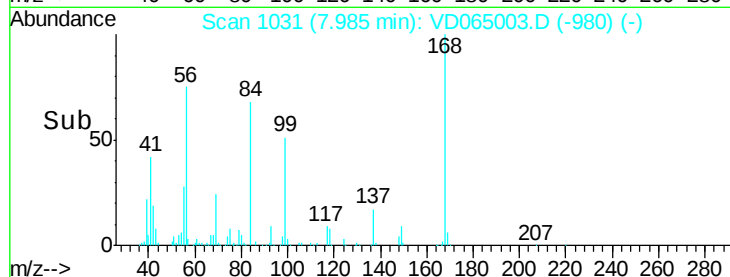
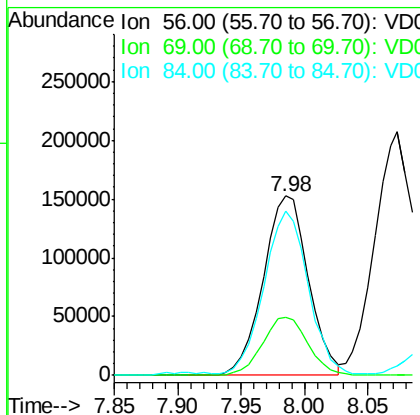
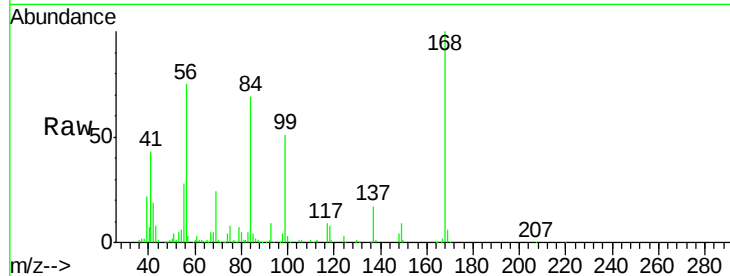
ClientSampleID :

VSTDCCC050

Tot Ion:	56	Resp:	378483
Ion	Ratio	Lower	Upper
56	100		
69	32.3	27.9	41.9
84	90.3	72.8	109.2

Manual Integrations
APPROVED

MMDadoda
1/31/2020 4:25:35 PM



#32

1,1,1-Trichloroethane

Concen: 50.983 ug/l

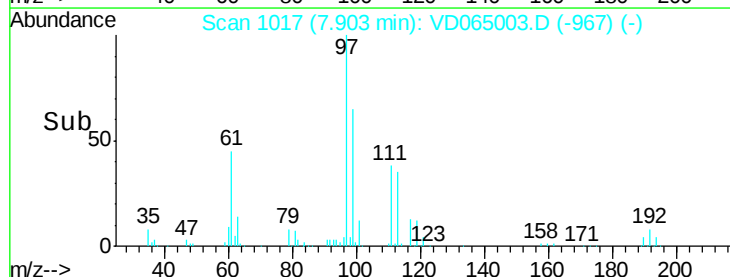
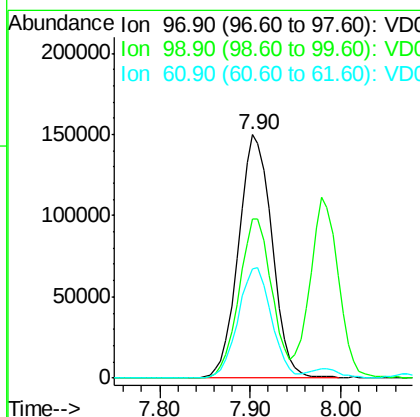
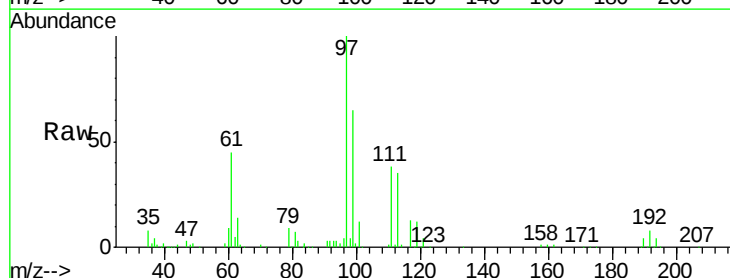
RT: 7.90 min Scan# 1017

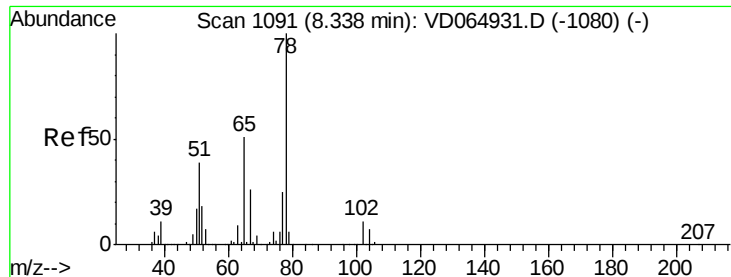
Delta R.T. -0.01 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Tgt Ion:	97	Resp:	385540
Ion	Ratio	Lower	Upper
97	100		
99	64.0	50.6	76.0
61	45.3	35.7	53.5





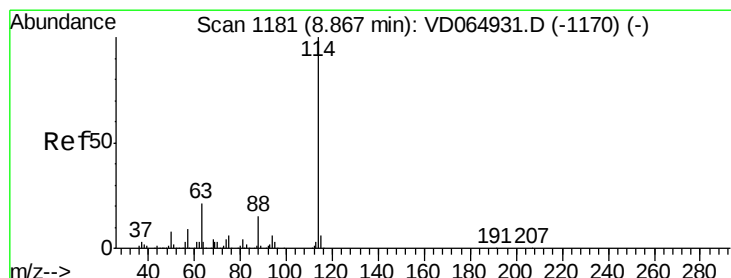
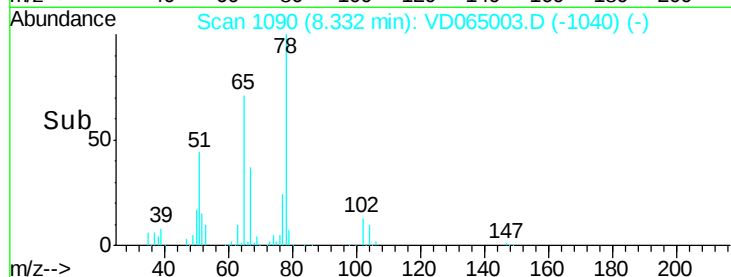
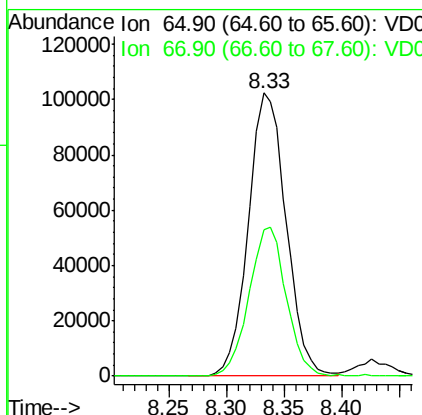
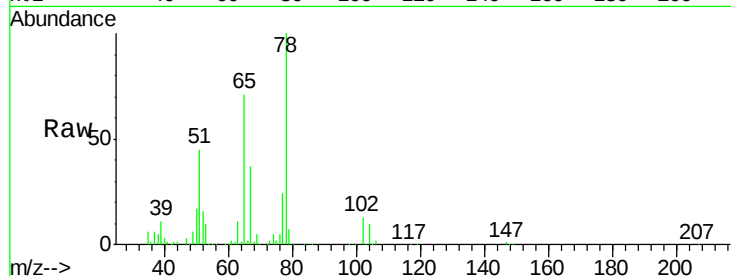
#33
 1,2-Dichloroethane-d4
 Concen: 52.580 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065003.D
 Acq: 30 Jan 2020 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	233462		
67	52.1	0.0	103.6	

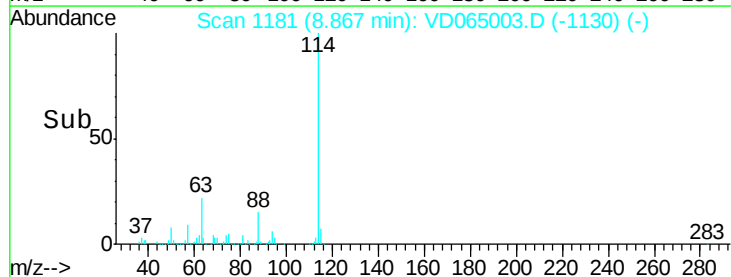
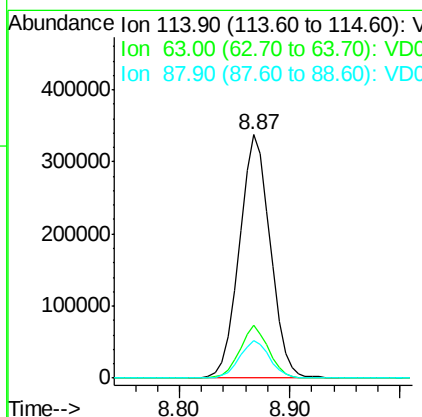
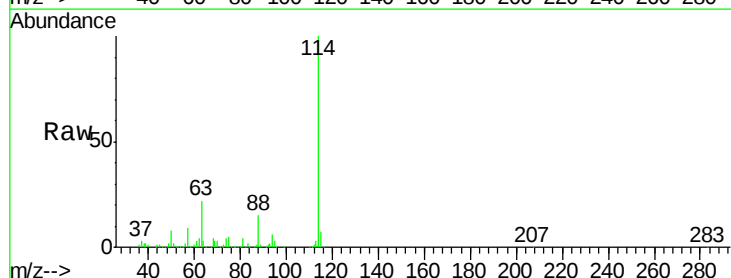
Manual Integrations
 APPROVED

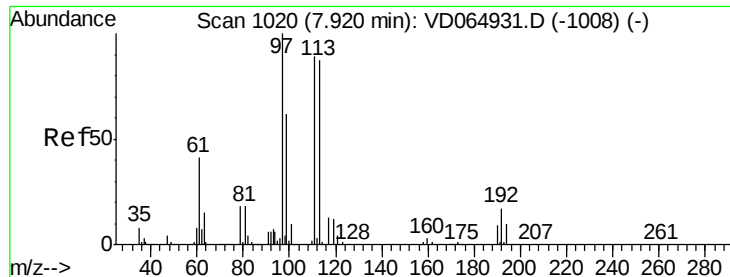
MMDadoda
 1/31/2020 4:25:35 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065003.D
 Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	665074		
63	21.8	0.0	42.0	
88	15.3	0.0	29.4	





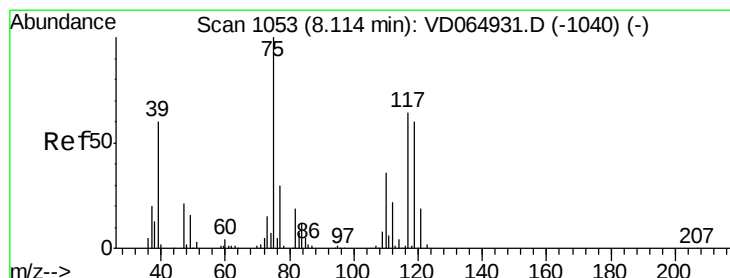
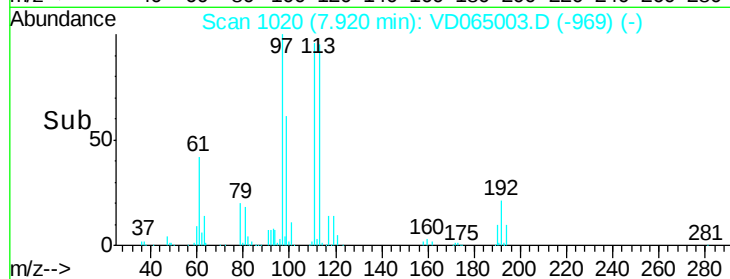
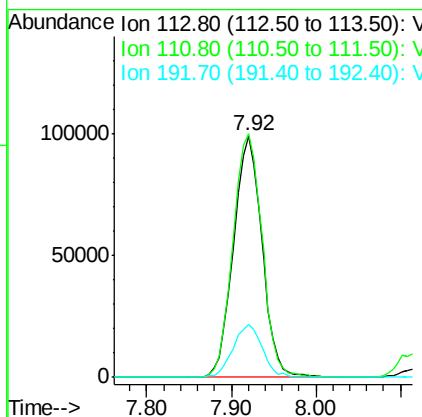
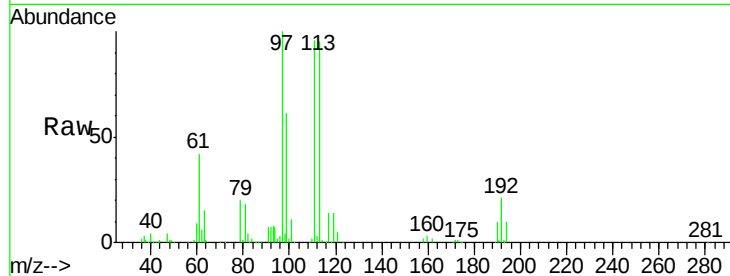
#35
Dibromofluoromethane
Concen: 55.143 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.4	123.6
192	22.3	16.9	25.3

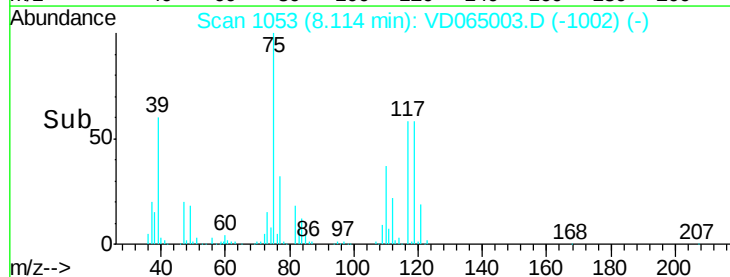
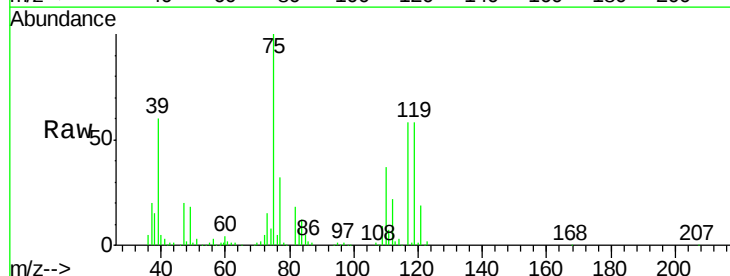
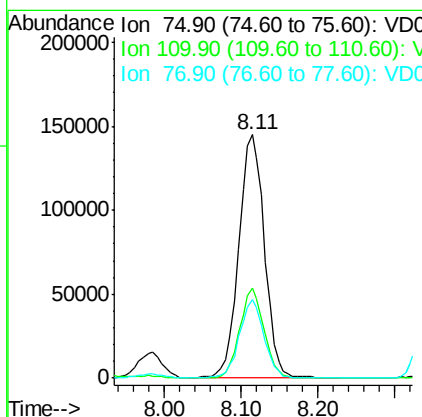
Manual Integrations
APPROVED

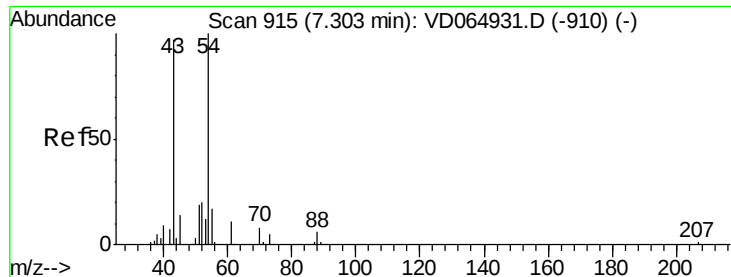
MMDadoda
1/31/2020 4:25:35 PM



#36
1,1-Dichloropropene
Concen: 52.848 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.3	52.0
77	31.0	24.7	37.1





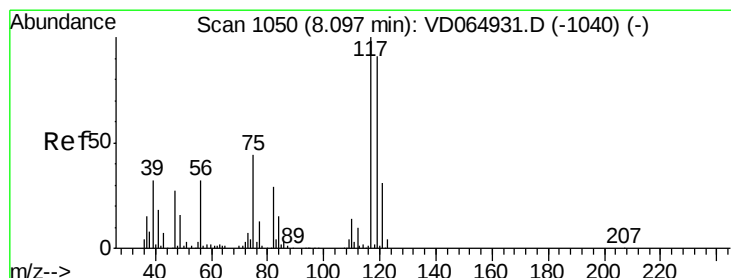
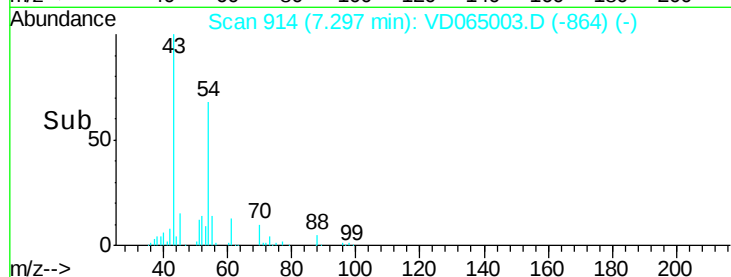
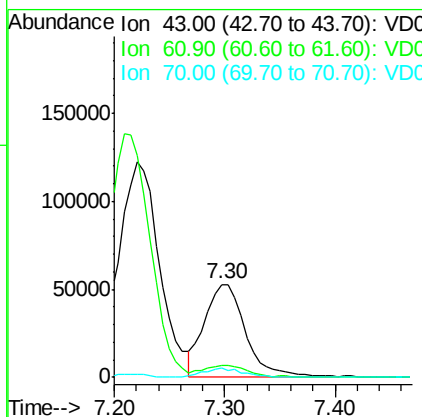
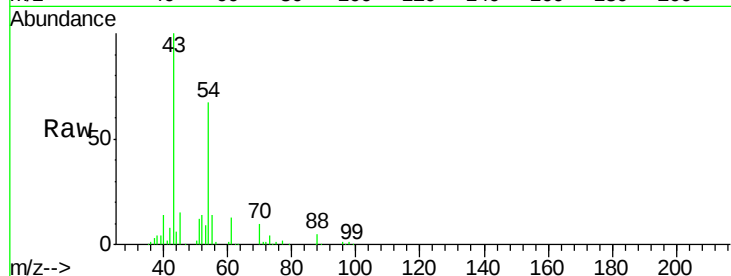
#37
Ethyl Acetate
Concen: 50.257 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.4
70	9.5	7.5	11.3

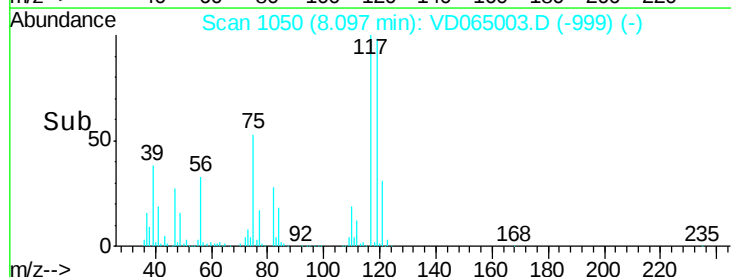
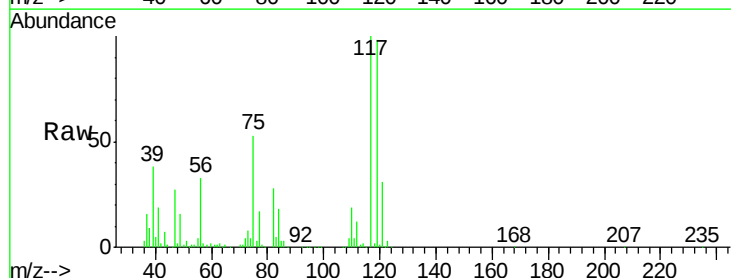
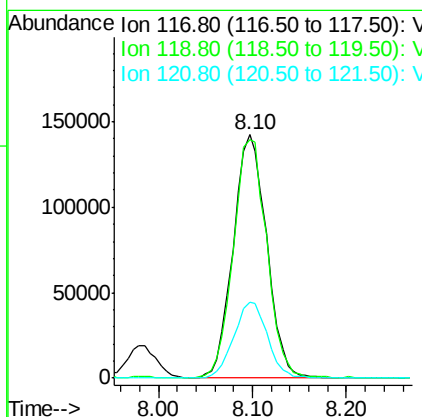
Manual Integrations
APPROVED

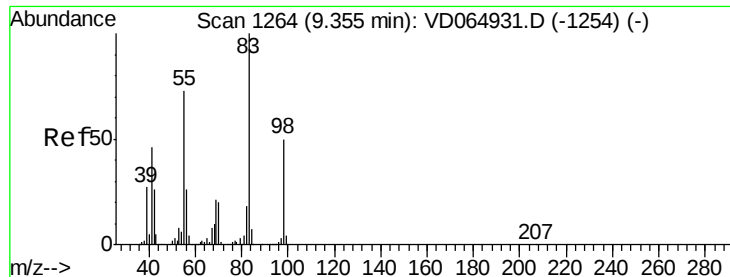
MMDadoda
1/31/2020 4:25:35 PM



#38
Carbon Tetrachloride
Concen: 51.763 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	73.2	109.8
121	31.5	24.4	36.6





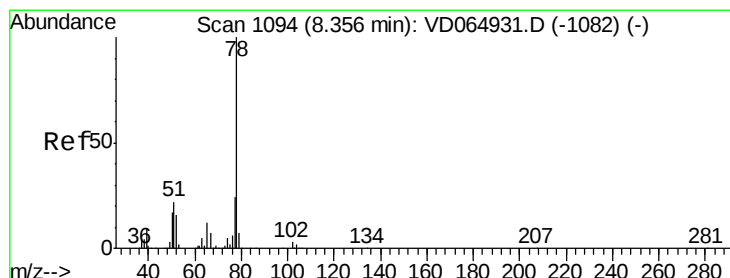
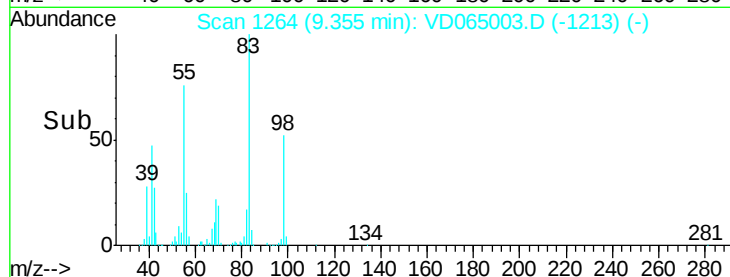
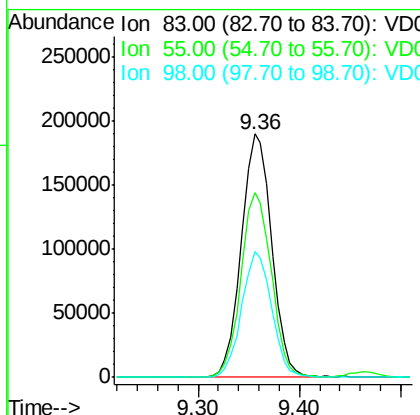
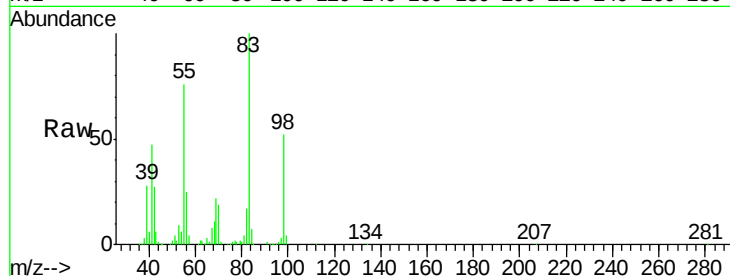
#39
Methylvlcyclohexane
Concen: 53.031 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	58.7	88.1
98	51.6	40.2	60.2

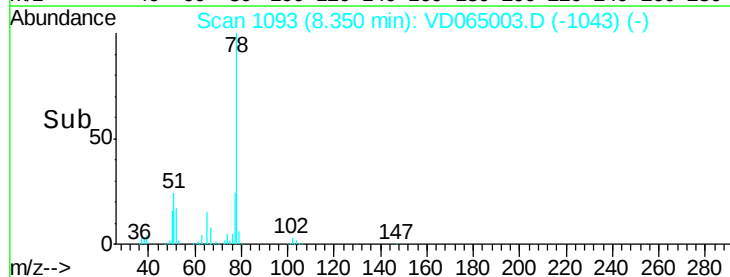
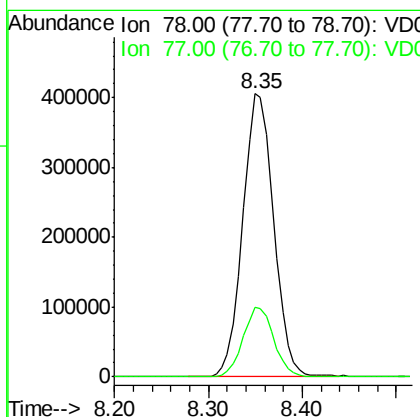
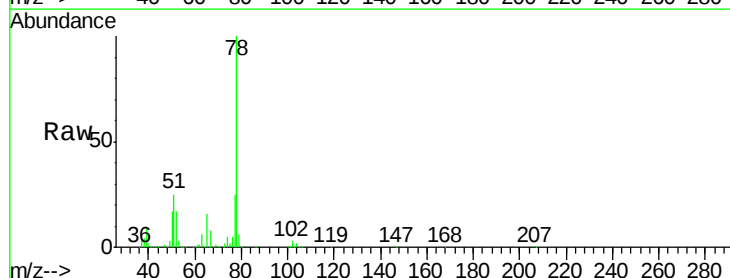
Manual Integrations
APPROVED

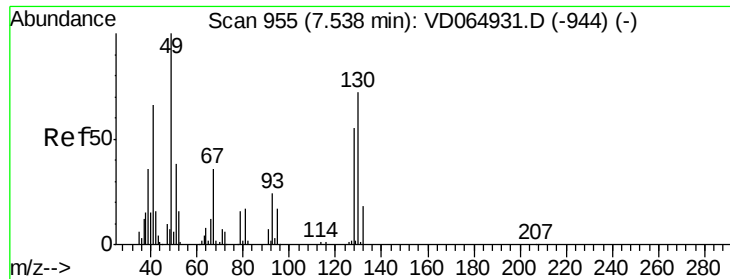
MMDadoda
1/31/2020 4:25:35 PM



#40
Benzene
Concen: 52.331 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.2	28.8





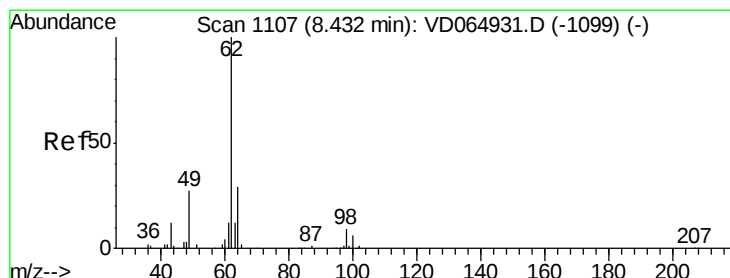
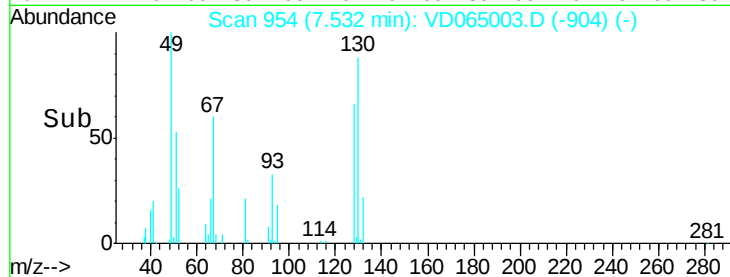
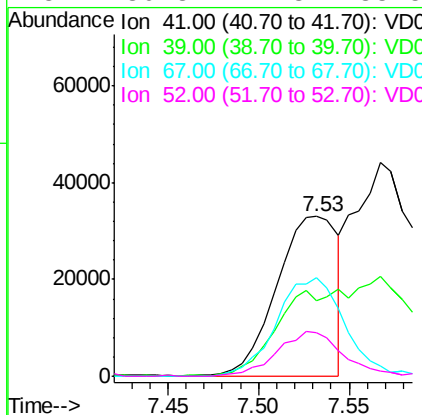
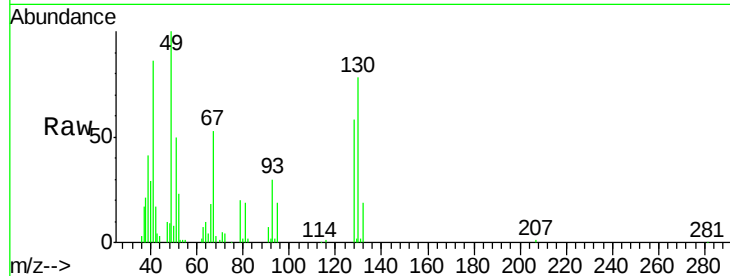
#41
Methacrylonitrile
Concen: 54.462 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	77718
Ion	Ratio	Lower	Upper
41	100		
39	38.6	49.3	73.9#
67	69.2	51.0	76.6
52	30.3	22.3	33.5

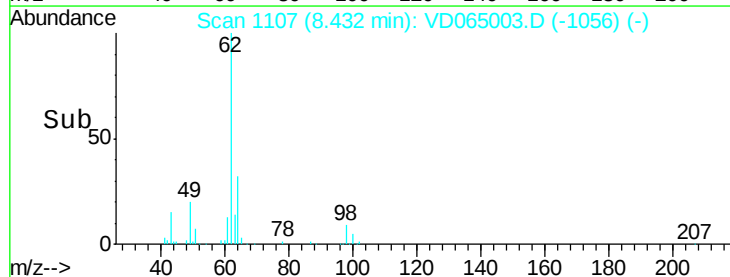
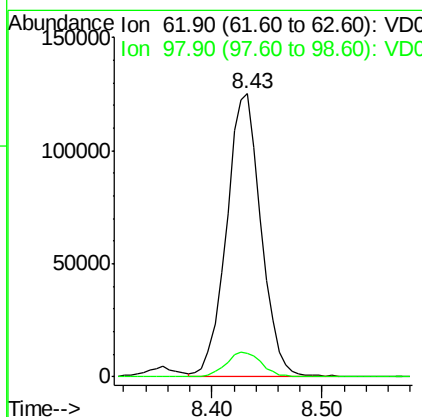
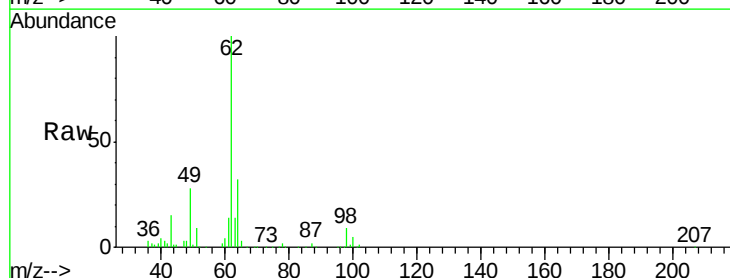
Manual Integrations
APPROVED

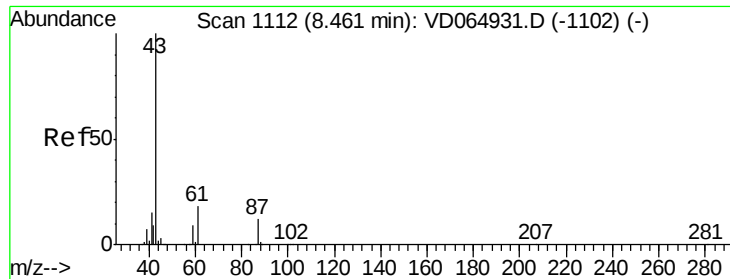
MMDadoda
1/31/2020 4:25:35 PM



#42
1,2-Dichloroethane
Concen: 51.975 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	62	Resp	273467
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.8





#43

Isopropyl Acetate

Concen: 51.328 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Instrument :

MSVOA_D

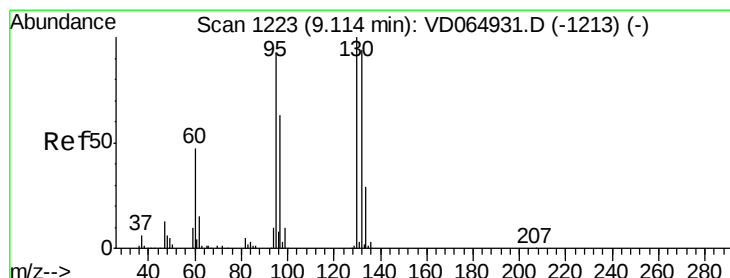
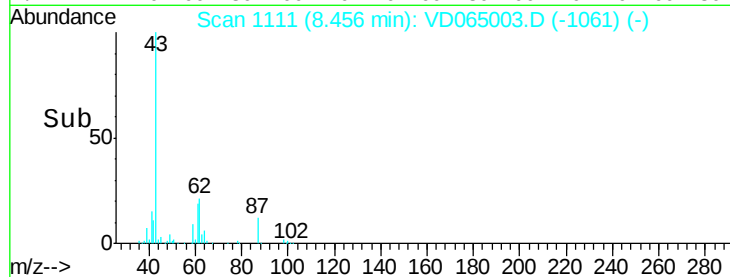
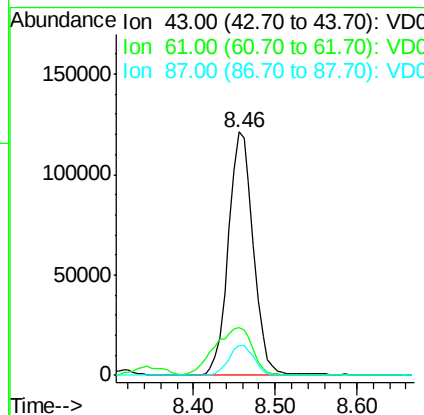
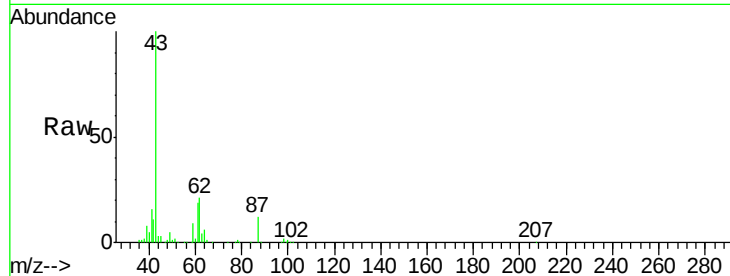
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	258278
Ion	Ratio	Lower	Upper
43	100		
61	29.6	23.8	35.6
87	12.5	10.3	15.5

Manual Integrations
APPROVED

MMDadoda
1/31/2020 4:25:35 PM



#44

Trichloroethene

Concen: 52.586 ug/l

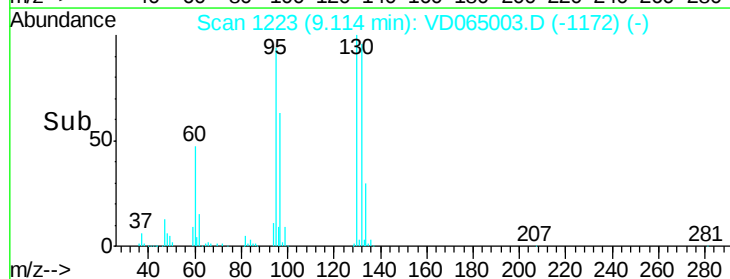
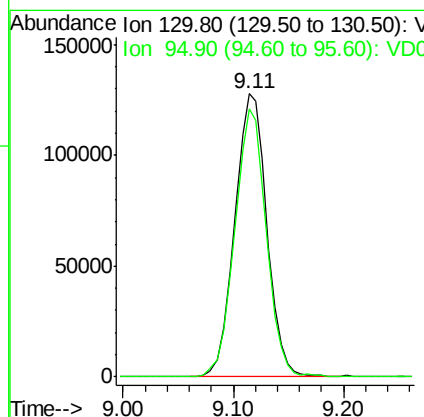
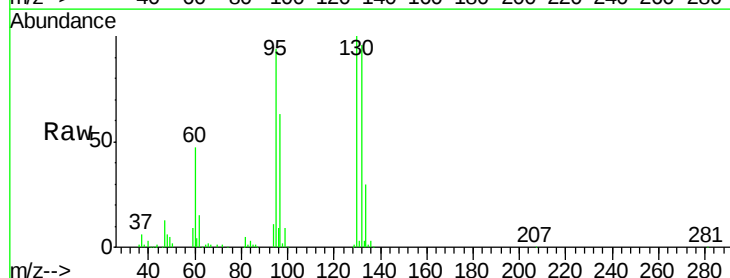
RT: 9.11 min Scan# 1223

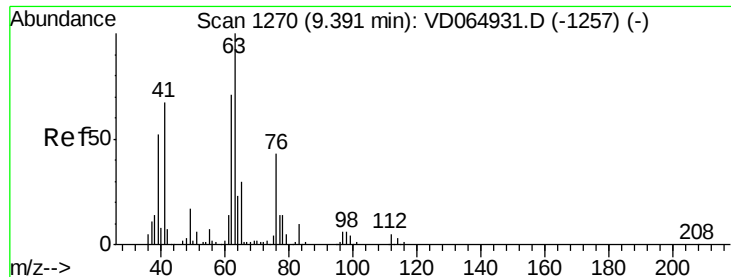
Delta R.T. 0.00 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Tgt Ion:	130	Resp:	259947
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	185.8





#45

1,2-Dichloropropane

Concen: 51.817 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 221875

Ion Ratio Lower Upper

63 100

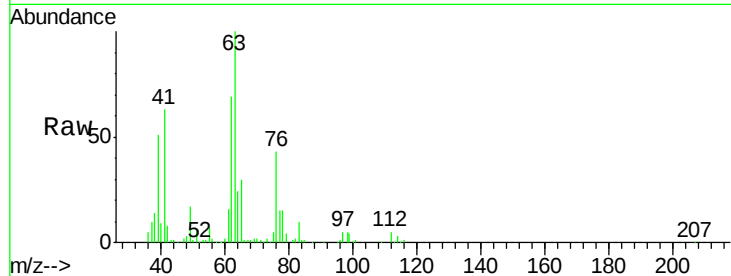
65 29.5 24.3 36.5

Manual Integrations

APPROVED

MMDadoda

1/31/2020 4:25:35 PM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

120000

100000

80000

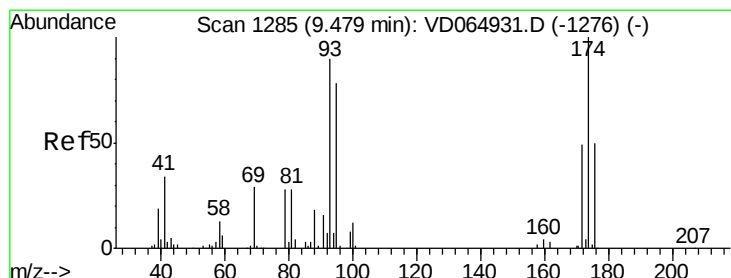
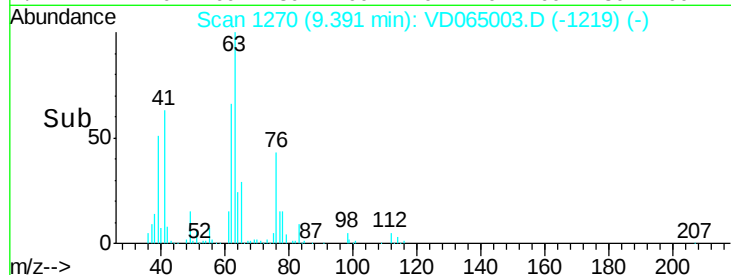
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 51.235 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

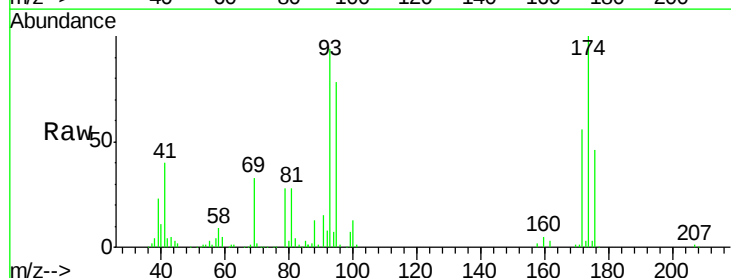
Tgt Ion: 93 Resp: 119773

Ion Ratio Lower Upper

93 100

95 81.4 67.5 101.3

174 107.9 88.4 132.6



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

80000

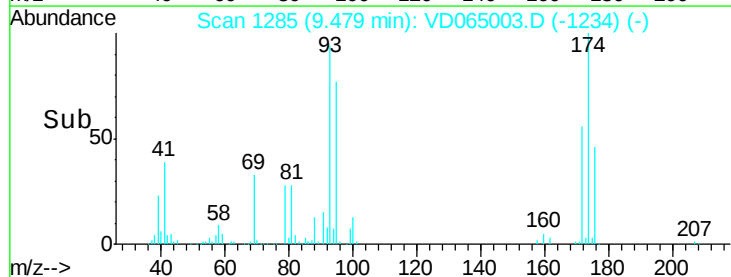
60000

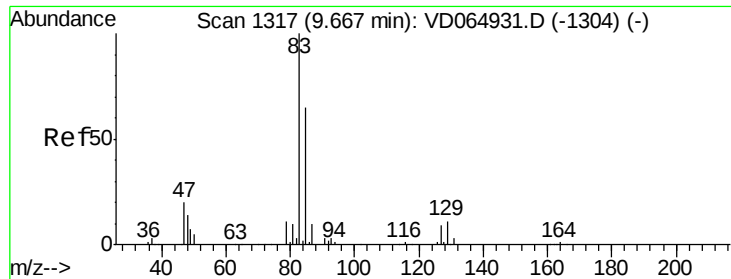
40000

20000

0

Time-->





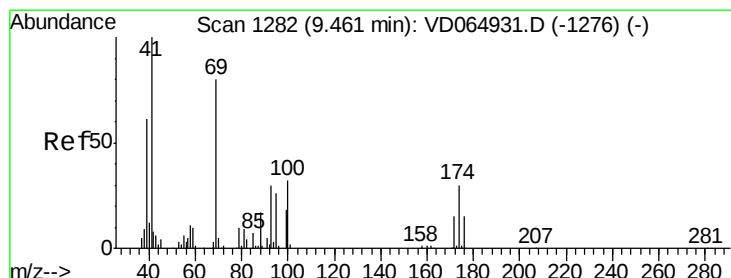
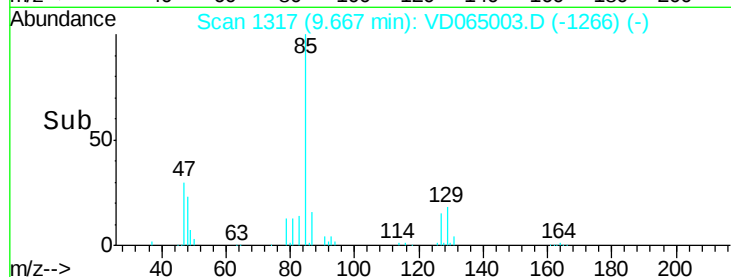
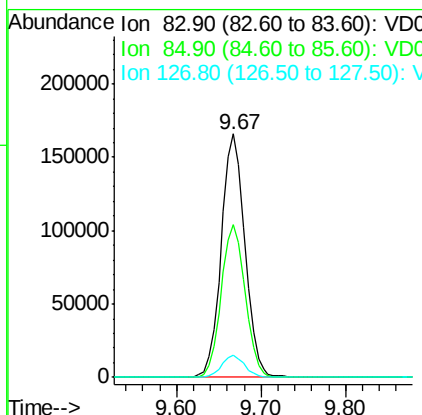
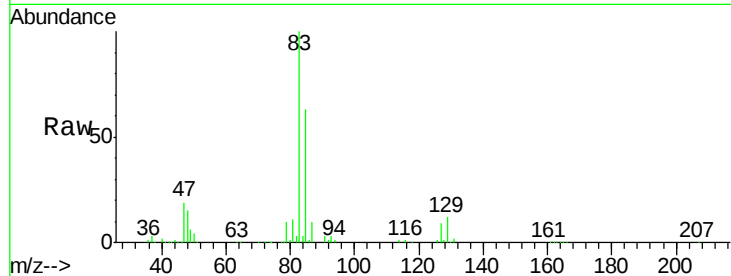
#47
Bromodichloromethane
Concen: 52.993 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	322356		
85	62.8	52.0	78.0	
127	9.3	7.3	10.9	

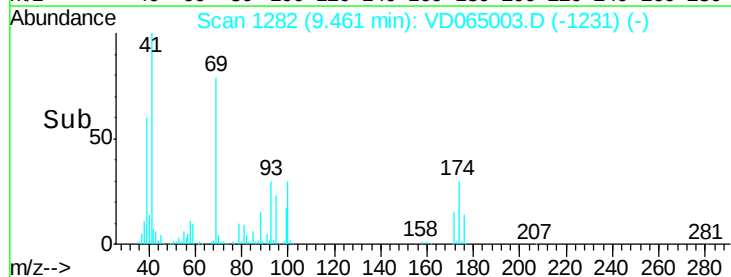
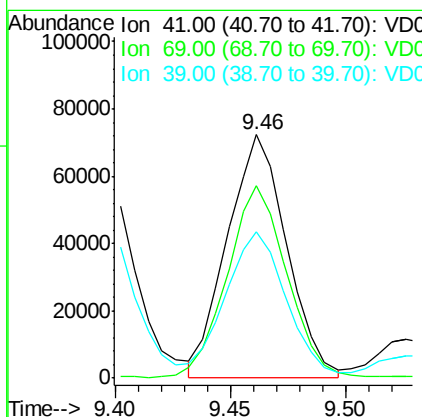
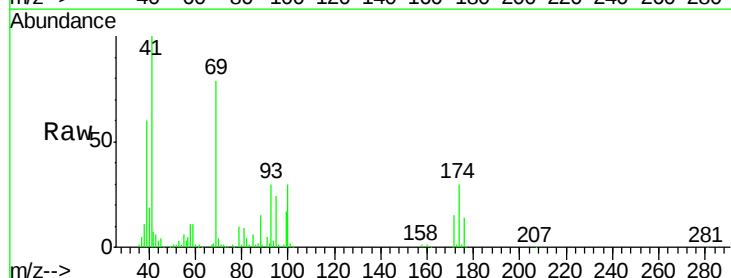
Manual Integrations
APPROVED

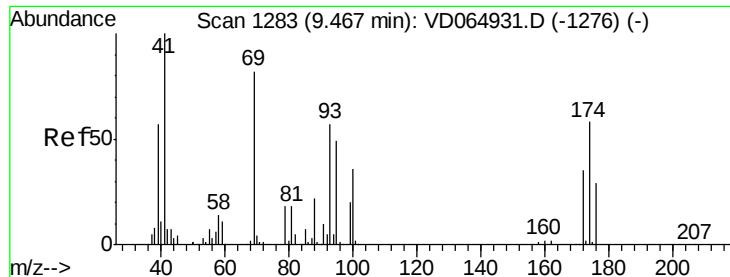
MMDadoda
1/31/2020 4:25:35 PM



#48
Methyl methacrylate
Concen: 55.733 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	129056		
69	79.2	65.8	98.8	
39	57.4	49.4	74.0	





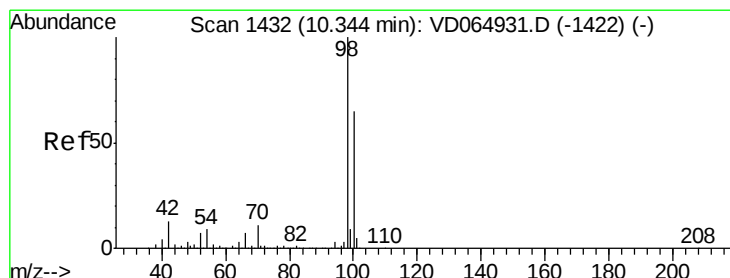
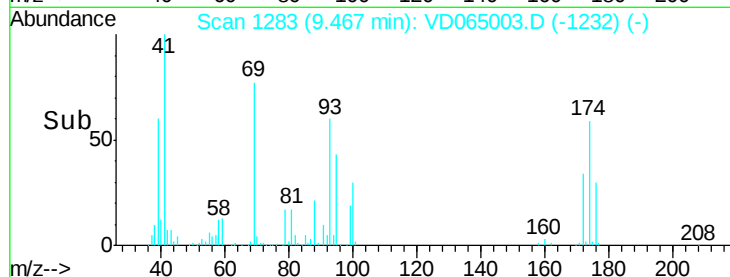
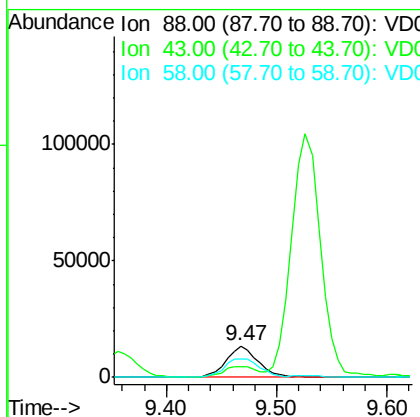
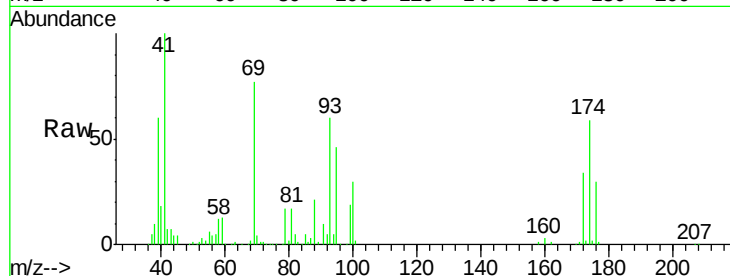
#49
1,4-Dioxane
Concen: 1006.989 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	26.2	39.4
58	65.7	50.3	75.5

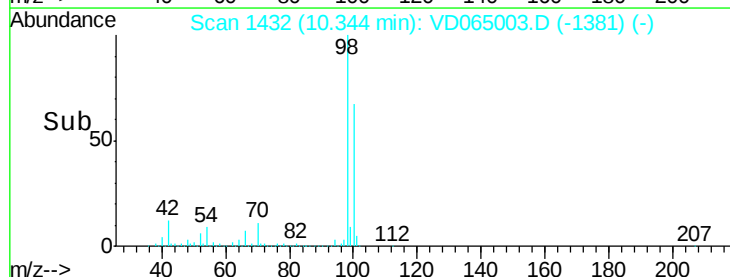
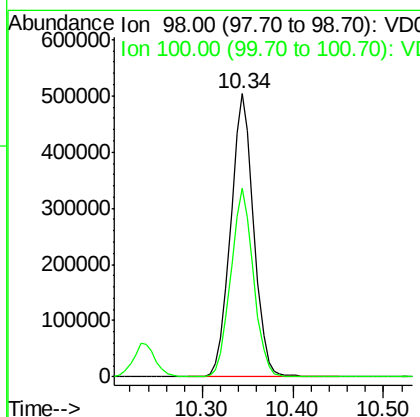
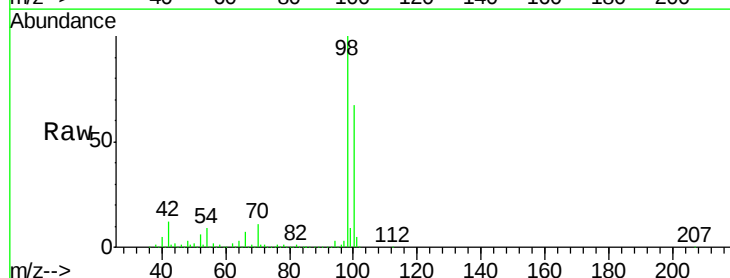
Manual Integrations
APPROVED

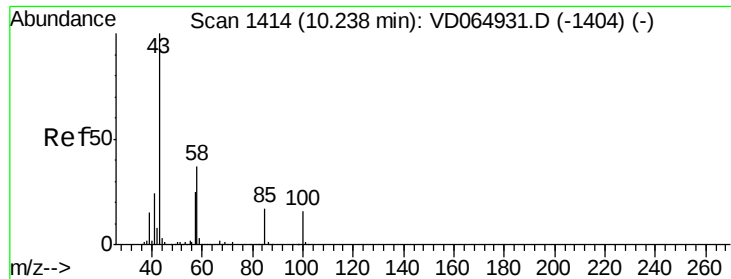
MMDadoda
1/31/2020 4:25:35 PM



#50
Toluene-d8
Concen: 55.361 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 258.765 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 651513

Ion Ratio Lower Upper

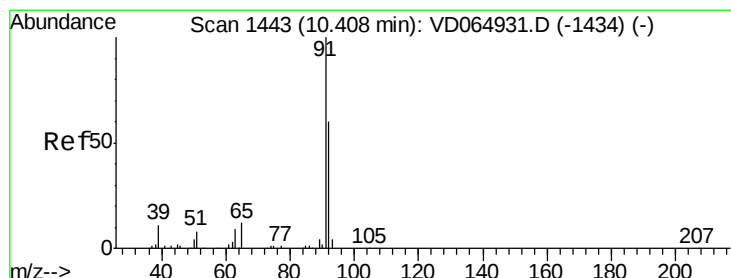
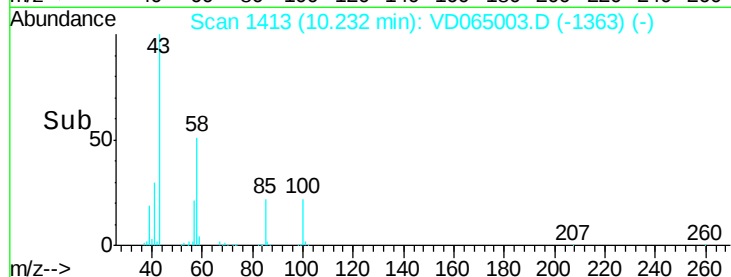
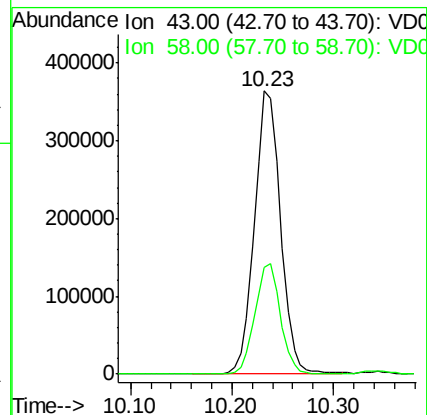
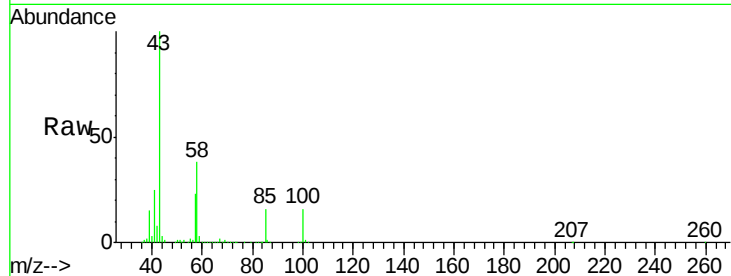
43 100

58 38.0 30.4 45.6

Manual Integrations
APPROVED

MMDadoda

1/31/2020 4:25:35 PM



#52

Toluene

Concen: 52.842 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065003.D

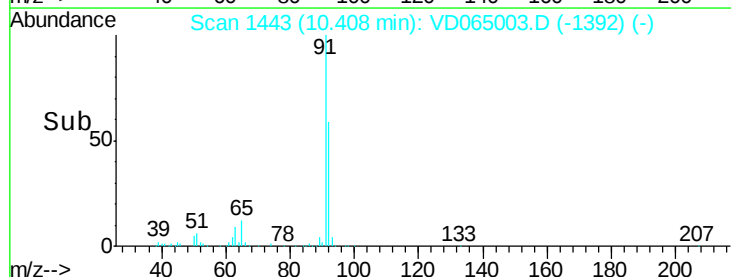
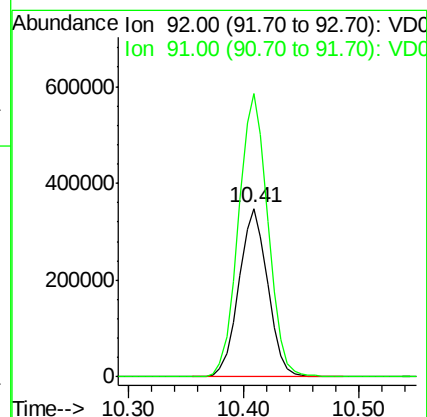
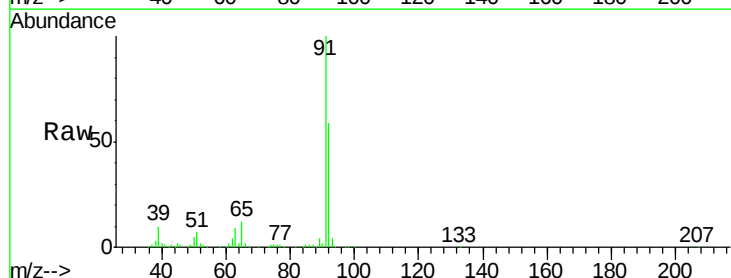
Acq: 30 Jan 2020 10:14

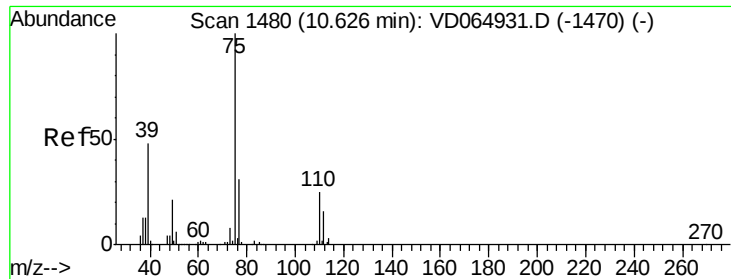
Tgt Ion: 92 Resp: 601742

Ion Ratio Lower Upper

92 100

91 171.5 136.8 205.2





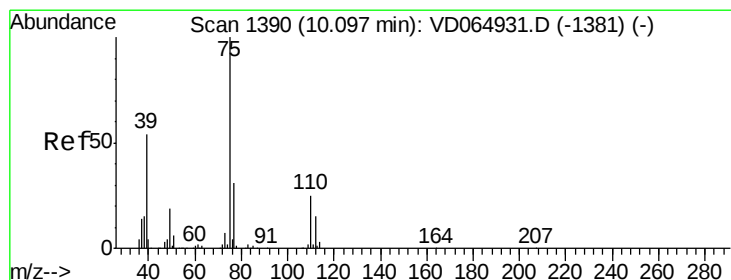
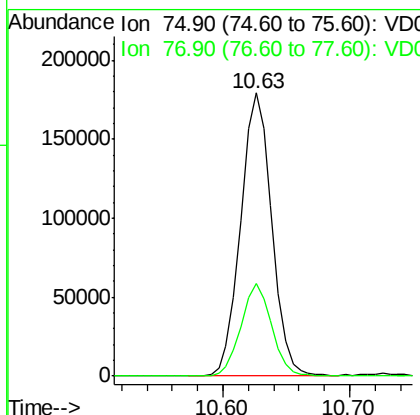
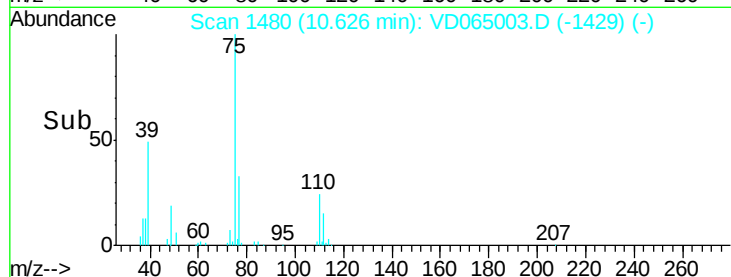
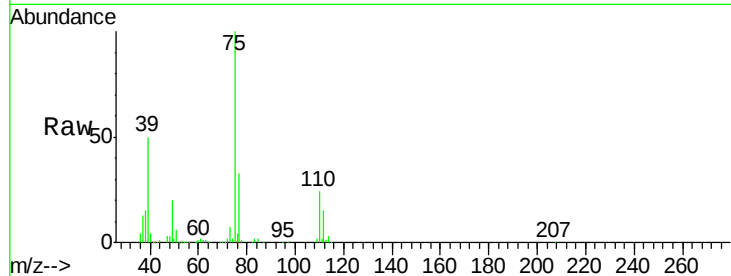
#53
t-1,3-Dichloropropene
Concen: 52.665 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.0	37.6

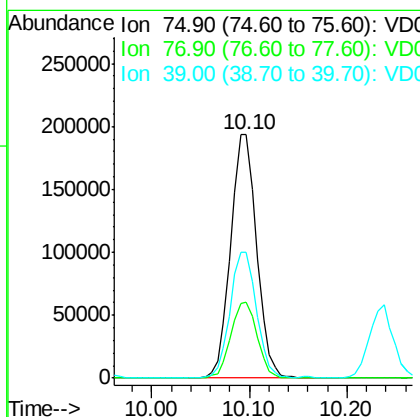
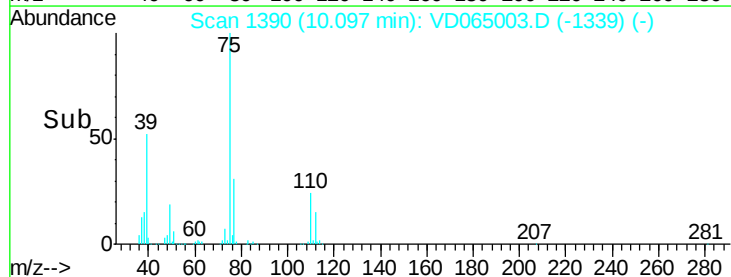
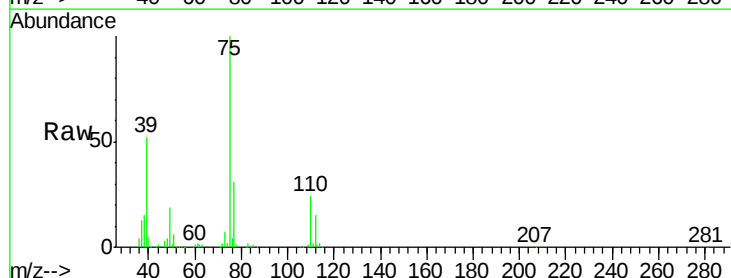
Manual Integrations
APPROVED

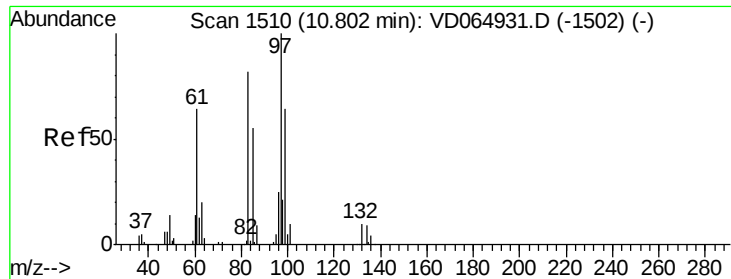
MMDadoda
1/31/2020 4:25:35 PM



#54
cis-1,3-Dichloropropene
Concen: 52.970 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.1	37.7
39	51.6	43.0	64.6





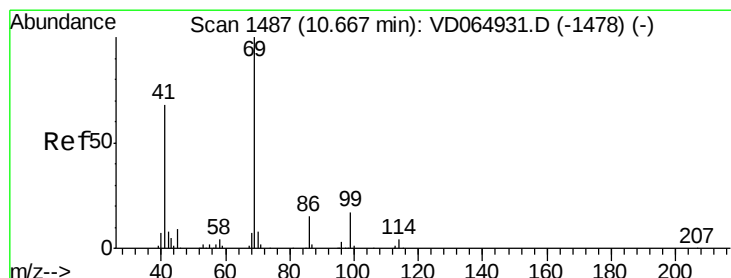
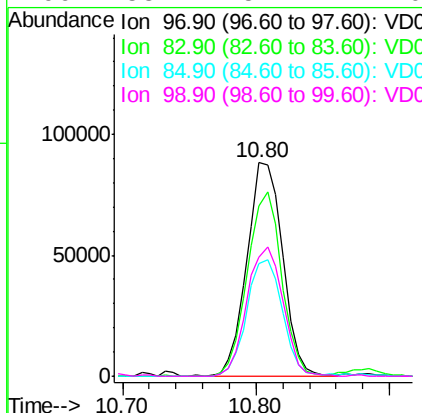
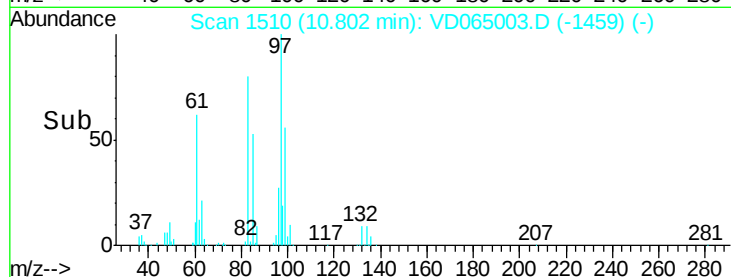
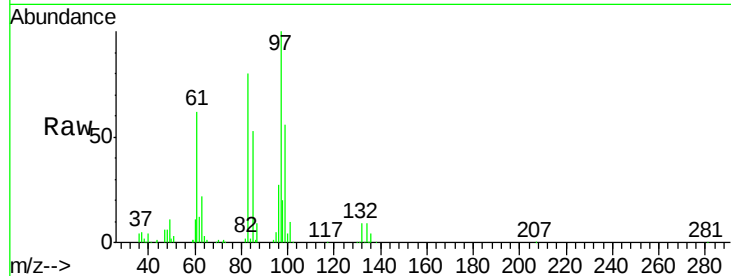
#55
 1,1,2-Trichloroethane
 Concen: 51.942 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD065003.D
 Acq: 30 Jan 2020 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	163560
Ion	Ratio	Lower	Upper
97	100		
83	79.9	66.0	99.0
85	52.7	44.4	66.6
99	55.4	51.4	77.0

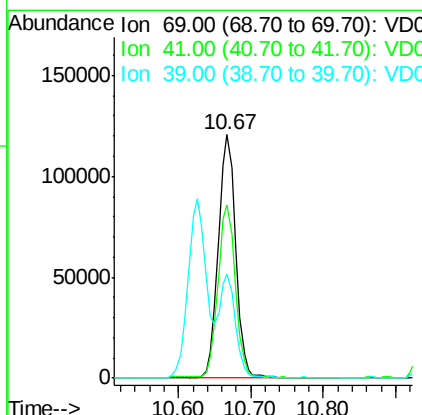
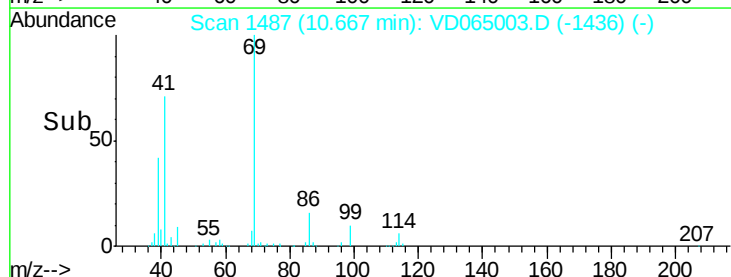
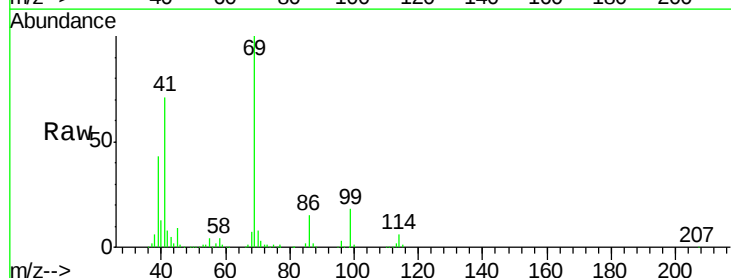
Manual Integrations
 APPROVED

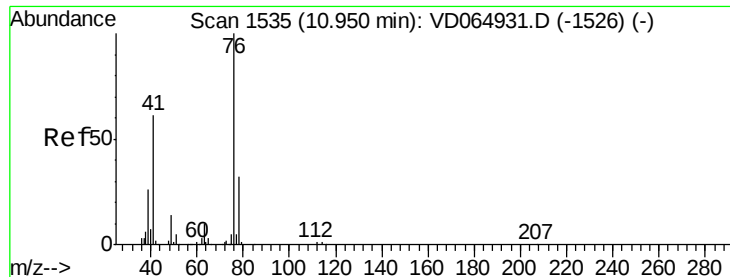
MMDadoda
 1/31/2020 4:25:35 PM



#56
 Ethyl methacrylate
 Concen: 53.706 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065003.D
 Acq: 30 Jan 2020 10:14

Tgt Ion:	69	Resp:	202233
Ion	Ratio	Lower	Upper
69	100		
41	70.5	56.4	84.6
39	37.7	30.6	46.0





#57

1,3-Dichloropropane

Concen: 51.440 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 277826

Ion Ratio Lower Upper

76 100

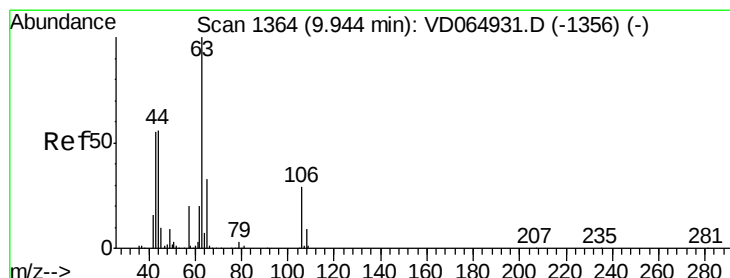
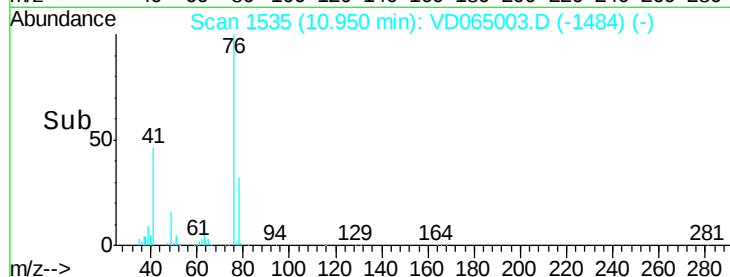
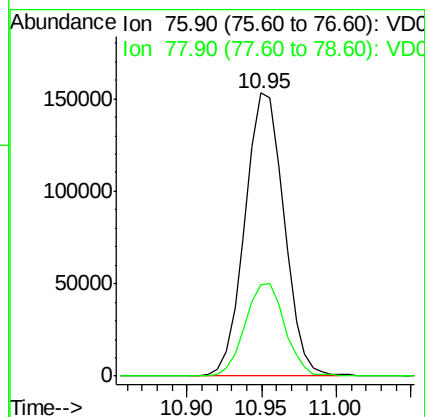
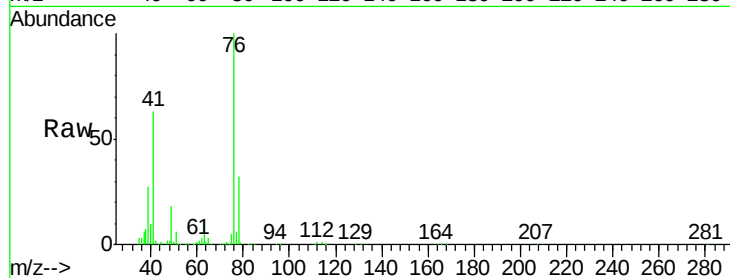
78 33.5 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

1/31/2020 4:25:35 PM



#58

2-Chloroethyl Vinyl ether

Concen: 267.864 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD065003.D

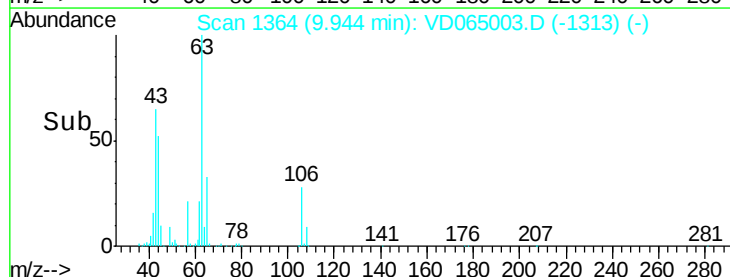
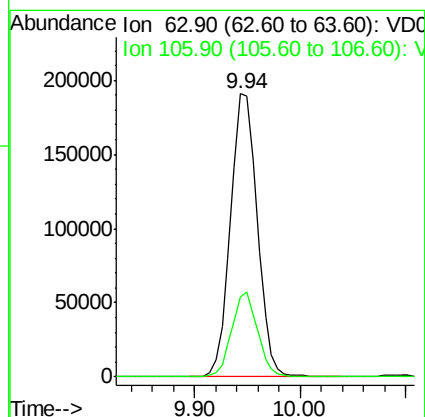
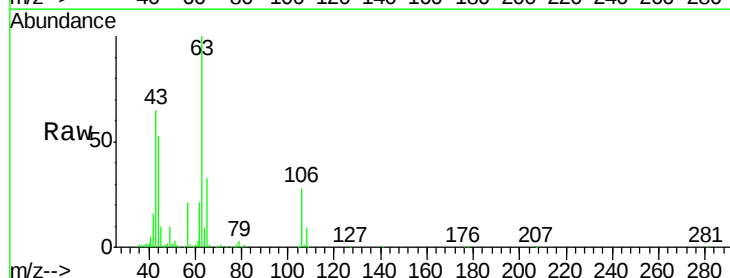
Acq: 30 Jan 2020 10:14

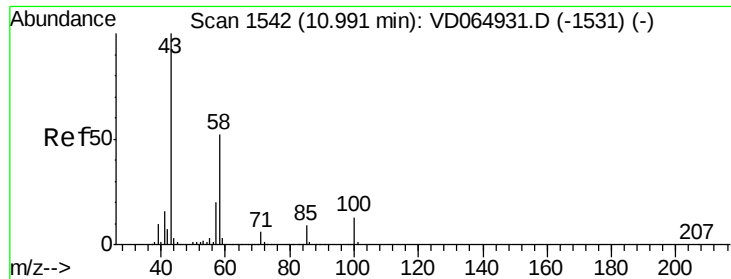
Tgt Ion: 63 Resp: 335099

Ion Ratio Lower Upper

63 100

106 28.9 23.0 34.4





#59

2-Hexanone

Concen: 288.072 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 500292

Ion Ratio Lower Upper

43 100

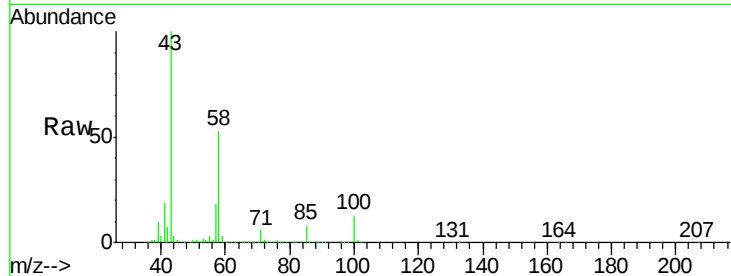
58 52.1 26.5 79.4

Manual Integrations

APPROVED

MMDadoda

1/31/2020 4:25:35 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.99

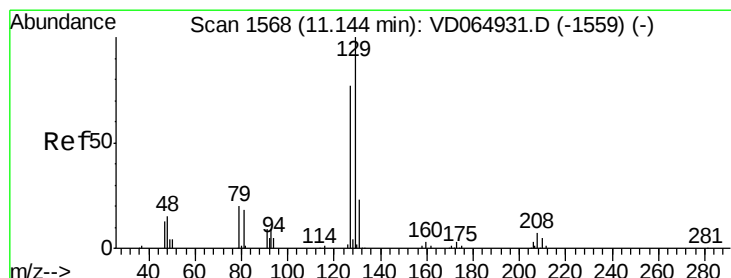
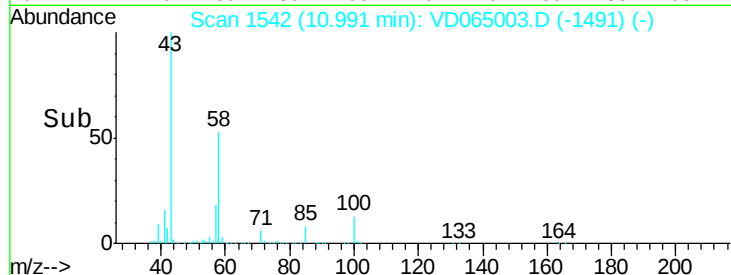
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 52.679 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD065003.D

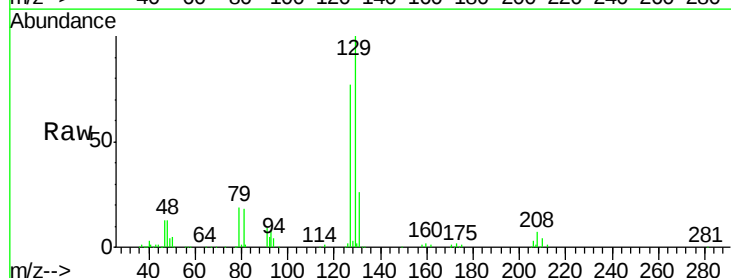
Acq: 30 Jan 2020 10:14

Tgt Ion: 129 Resp: 221709

Ion Ratio Lower Upper

129 100

127 76.3 38.2 114.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

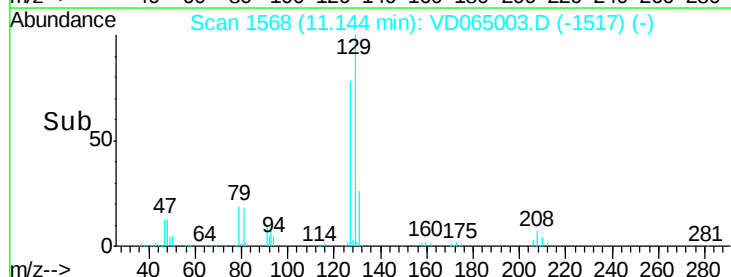
11.14

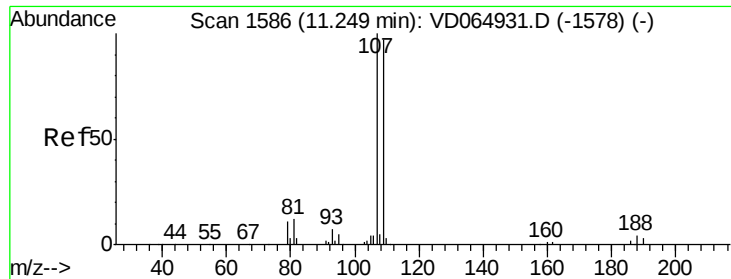
100000

50000

0

Time-->





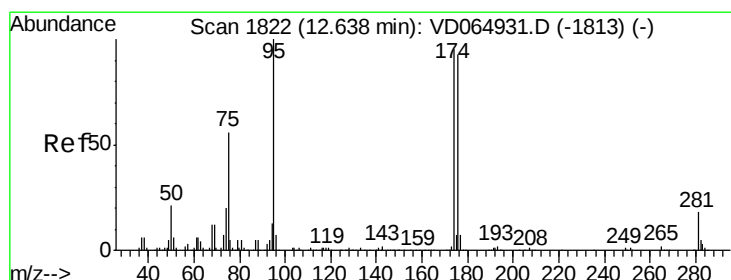
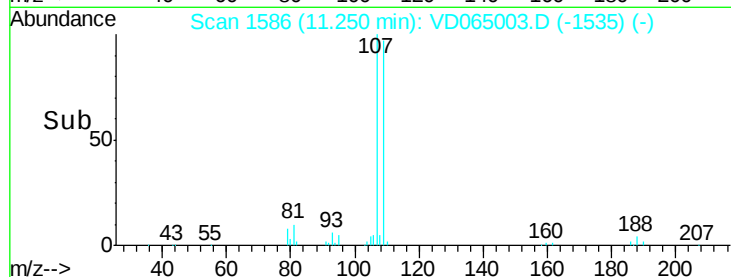
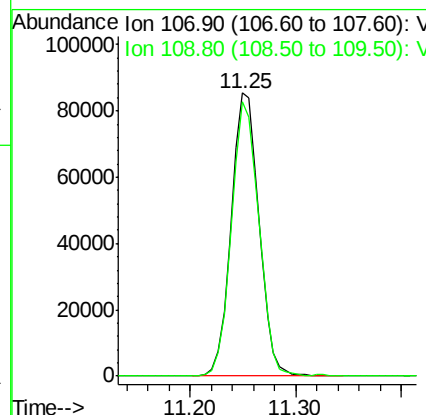
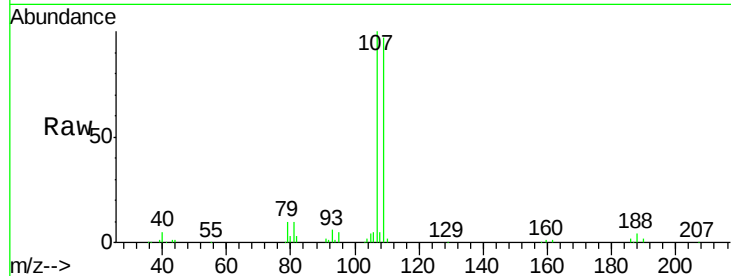
#61
 1,2-Dibromoethane
 Concen: 50.965 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065003.D
 Acq: 30 Jan 2020 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.7	77.1	115.7

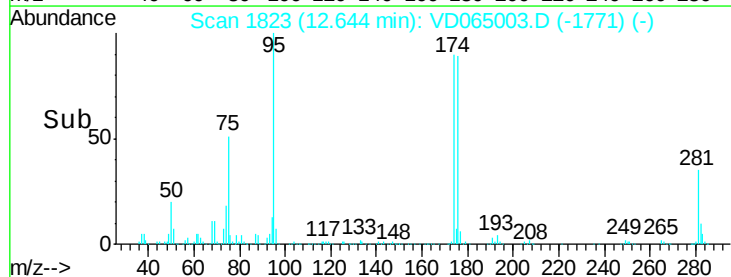
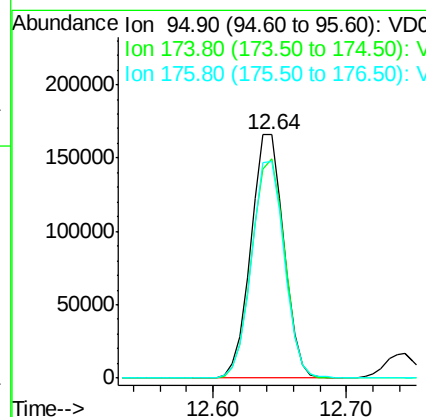
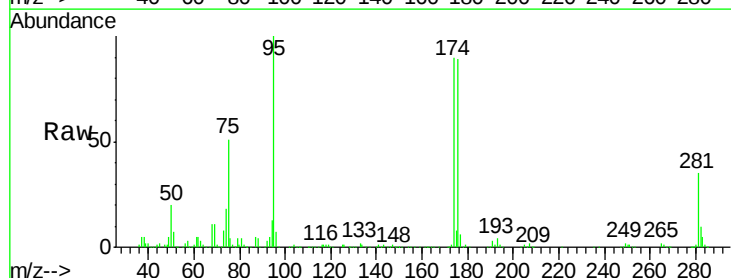
Manual Integrations
 APPROVED

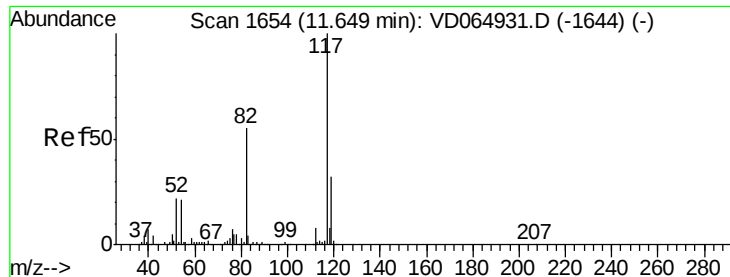
MMDadoda
 1/31/2020 4:25:35 PM



#62
 4-Bromofluorobenzene
 Concen: 56.991 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065003.D
 Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.2	0.0	186.8
176	88.8	0.0	183.4





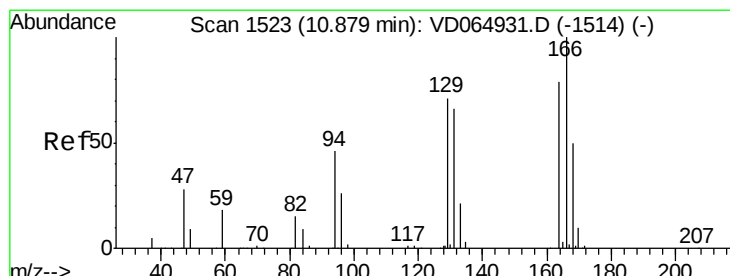
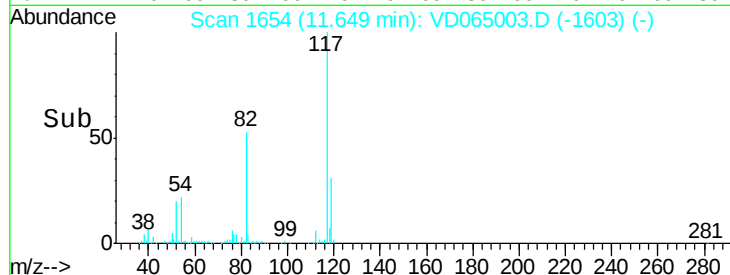
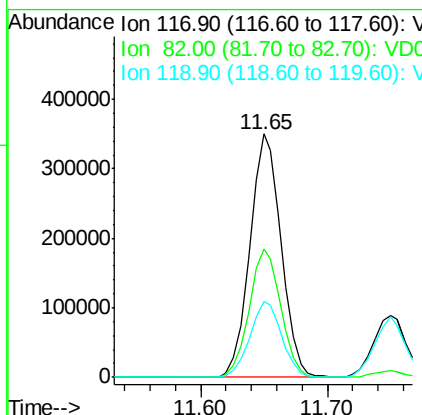
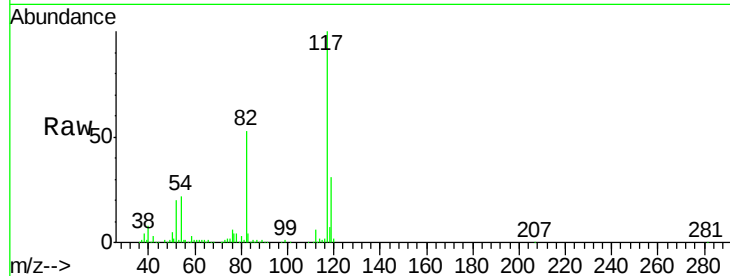
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	43.6	65.4
119	31.3	25.2	37.8

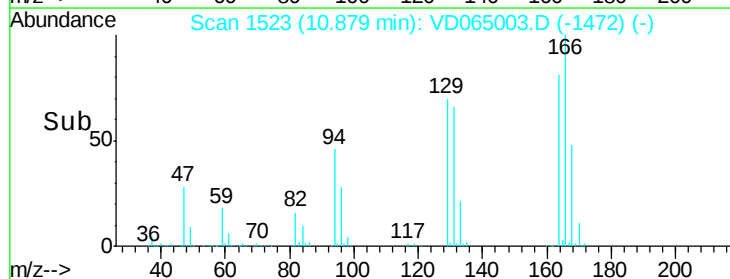
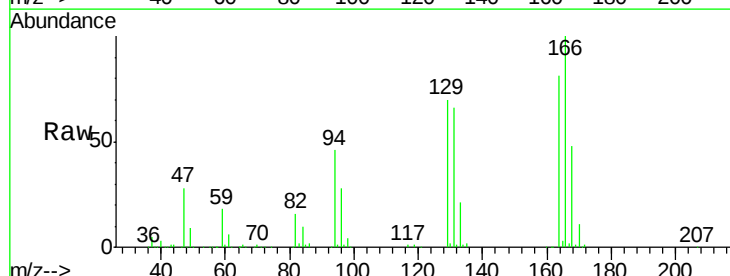
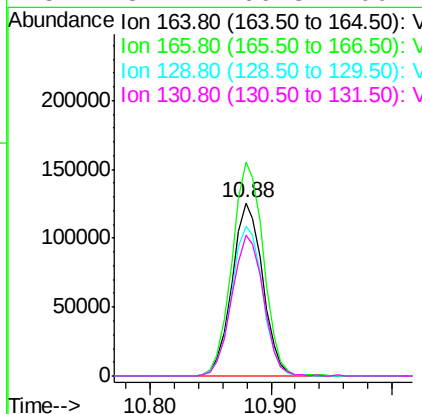
Manual Integrations
APPROVED

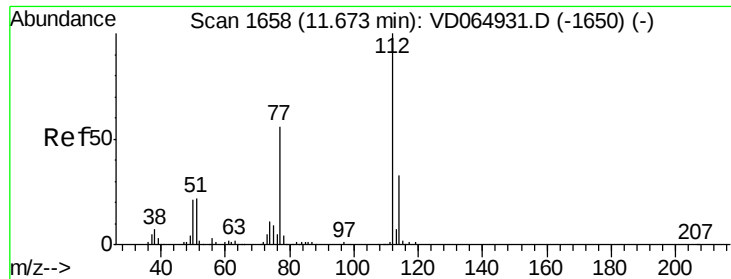
MMDadoda
1/31/2020 4:25:35 PM



#64
Tetrachloroethene
Concen: 51.655 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.5	101.4	152.2
129	86.8	71.8	107.8
131	81.4	66.8	100.2





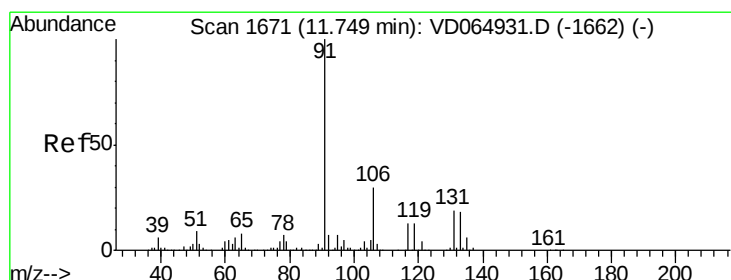
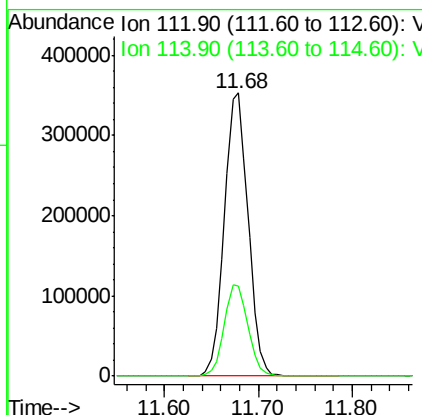
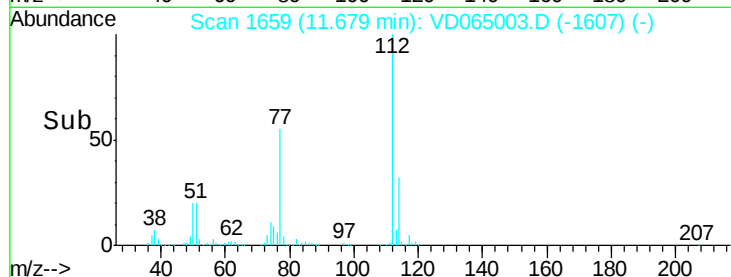
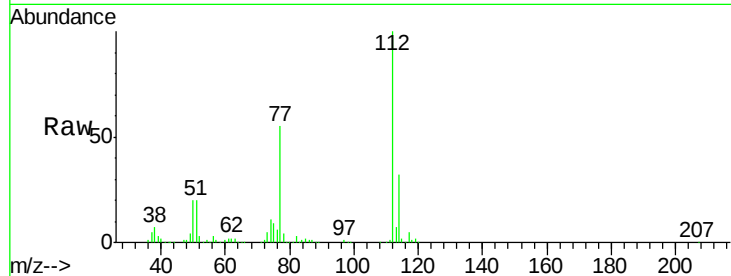
#65
Chlorobenzene
Concen: 51.082 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 620787
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4

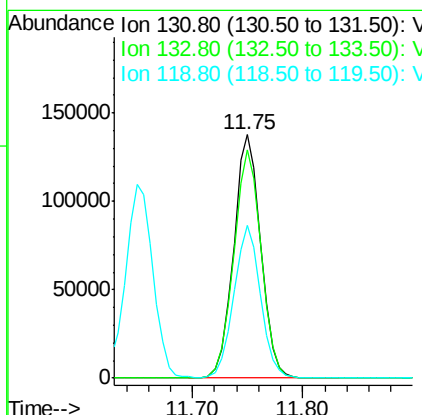
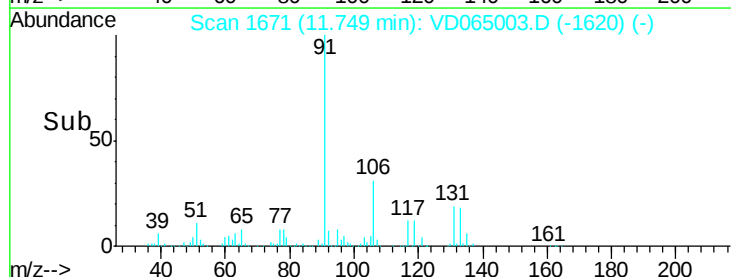
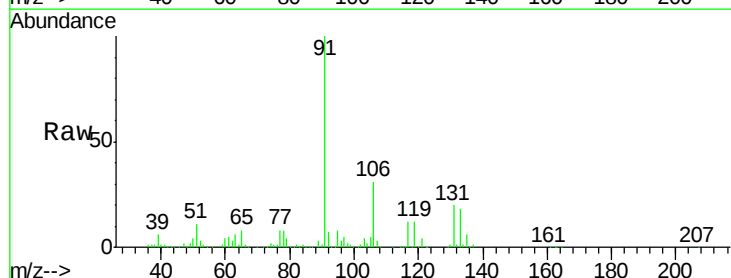
Manual Integrations
APPROVED

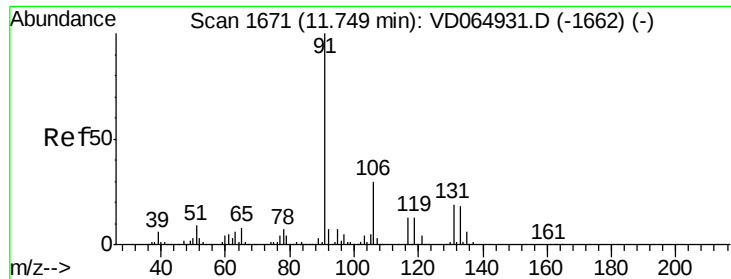
MMDadoda
1/31/2020 4:25:35 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.877 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion:131 Resp: 237098
Ion Ratio Lower Upper
131 100
133 95.0 47.5 142.5
119 62.0 31.1 93.5





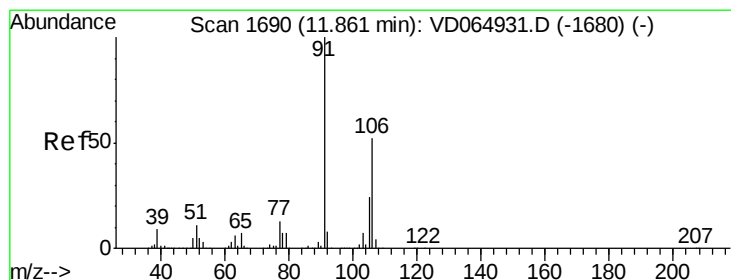
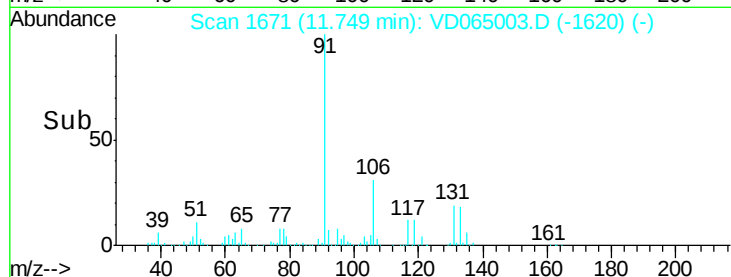
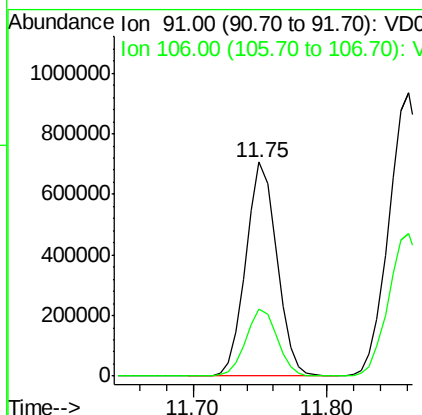
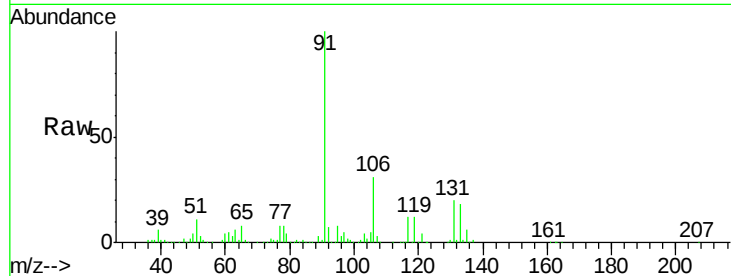
#67
Ethyl Benzene
Concen: 52.595 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1134758
Ion Ratio Lower Upper
91 100
106 31.5 24.3 36.5

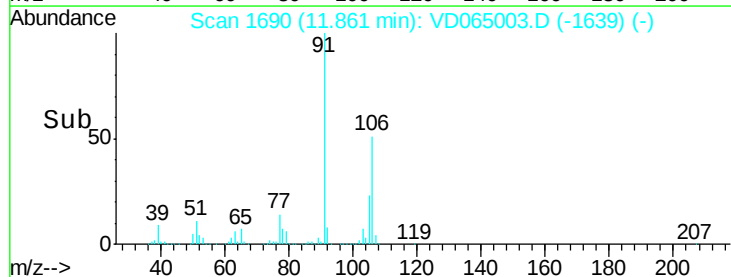
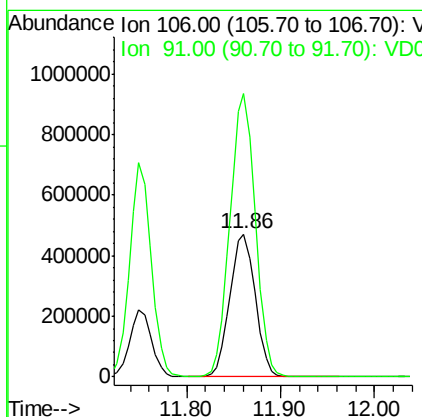
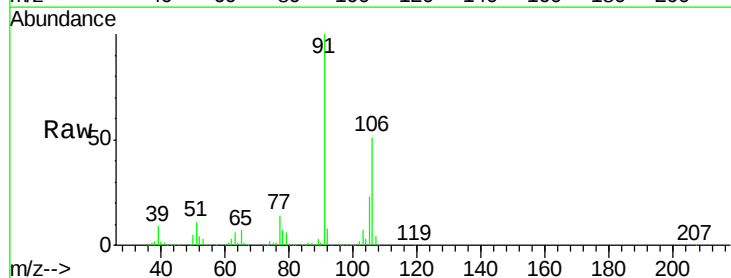
Manual Integrations
APPROVED

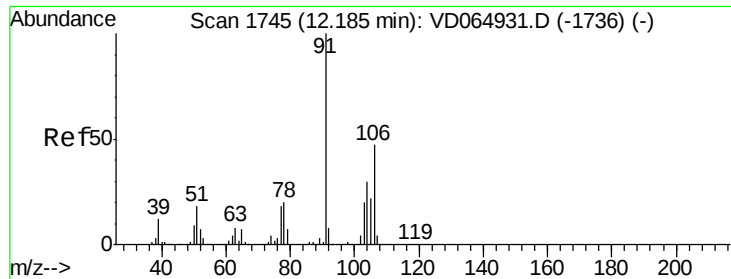
MMDadoda
1/31/2020 4:25:35 PM



#68
m/p-Xylenes
Concen: 107.247 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion: 106 Resp: 890891
Ion Ratio Lower Upper
106 100
91 196.6 159.0 238.4





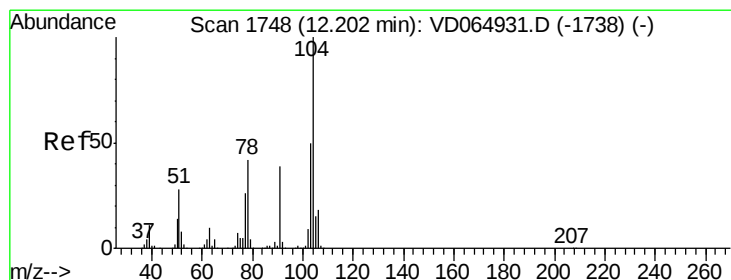
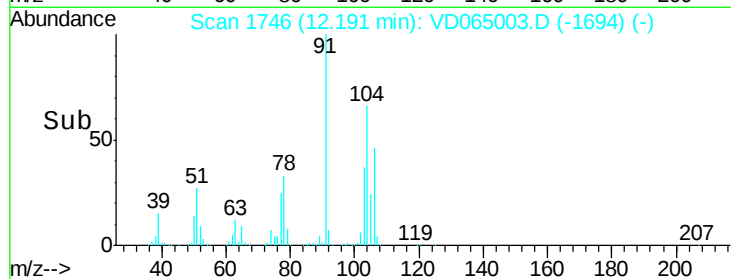
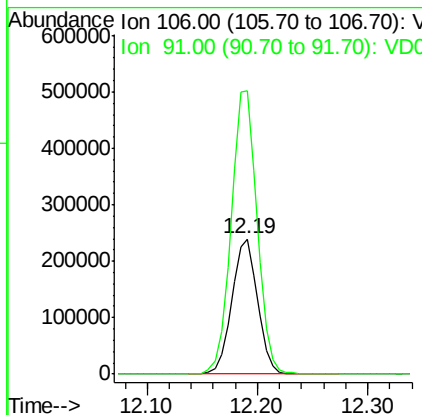
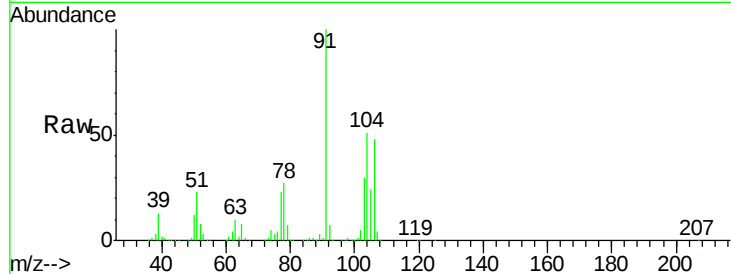
#69
o-Xylene
Concen: 52.916 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	390118		
91	212.1	106.7	319.9	

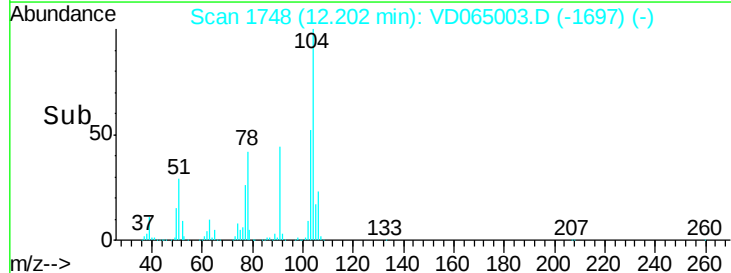
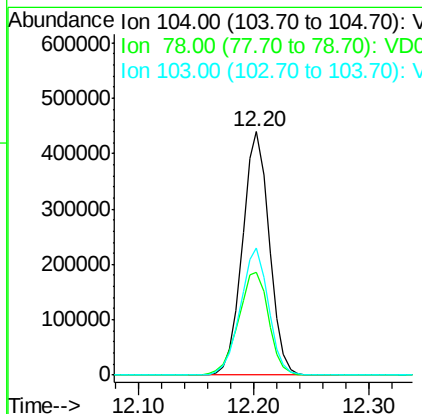
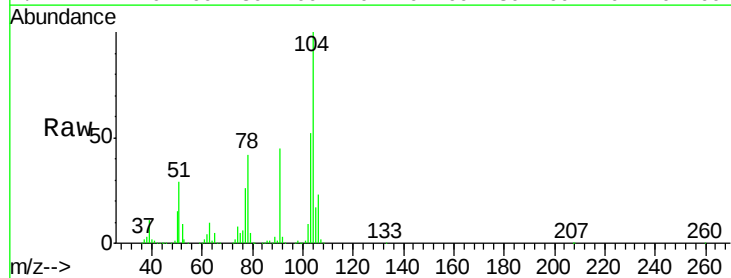
Manual Integrations
APPROVED

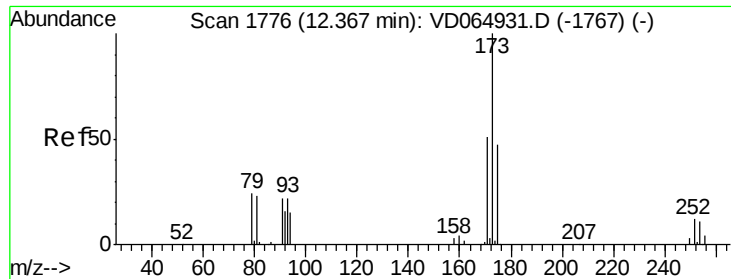
MMDadoda
1/31/2020 4:25:35 PM



#70
Styrene
Concen: 54.016 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	709392		
78	47.6	38.3	57.5	
103	54.8	43.5	65.3	





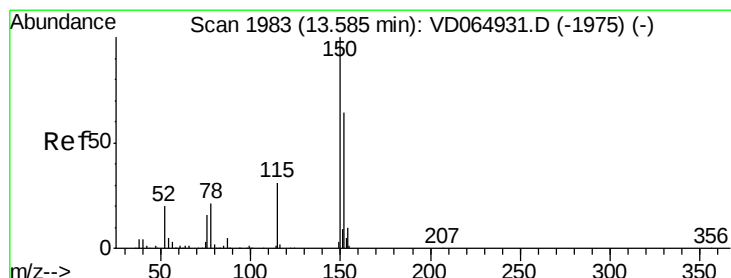
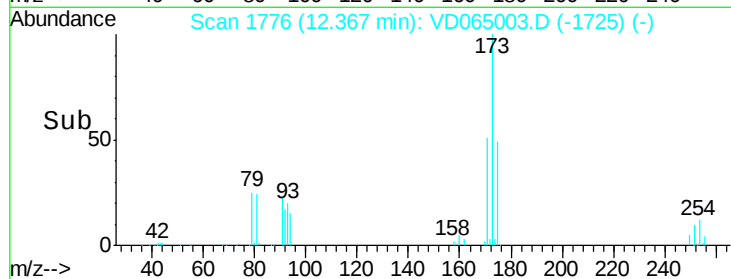
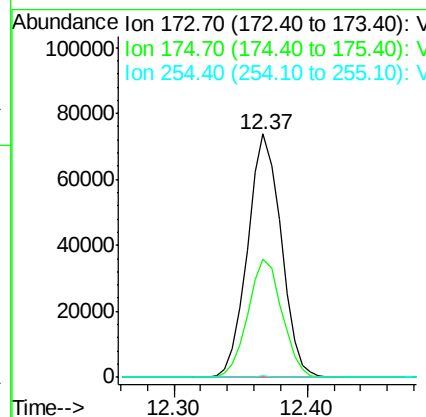
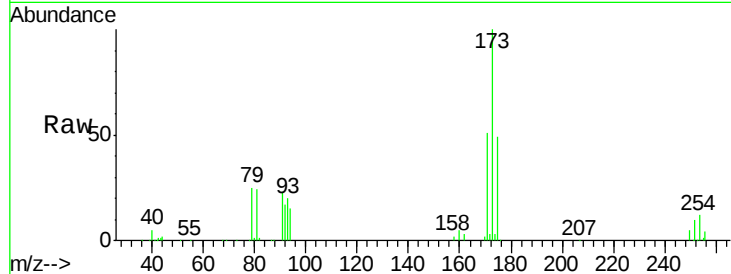
#71
Bromoform
Concen: 50.307 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.8
254	0.2	0.1	0.1#

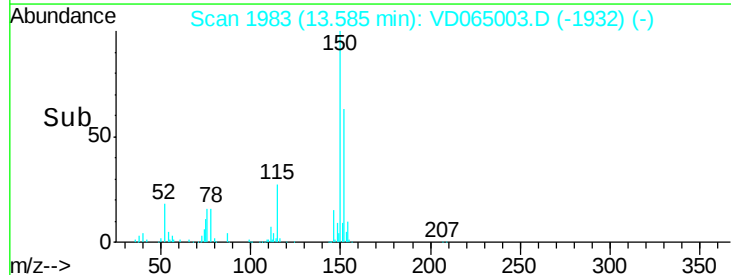
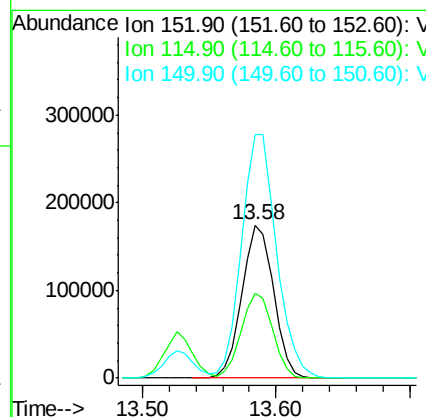
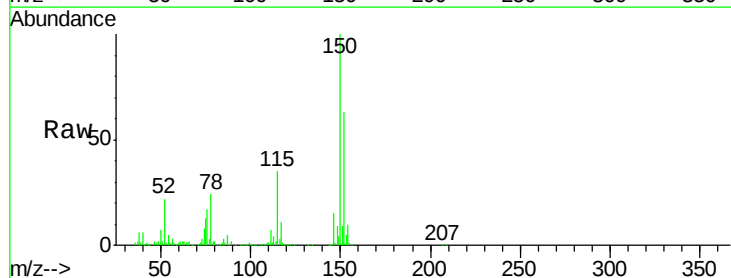
Manual Integrations
APPROVED

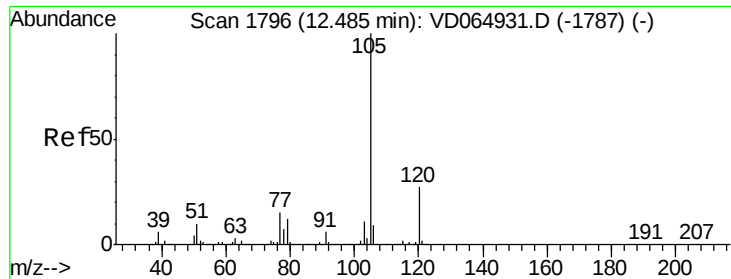
MMDadoda
1/31/2020 4:25:35 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	28.1	84.4
150	176.2	0.0	350.4





#73

Isopropylbenzene

Concen: 54.975 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1072675

Ion Ratio Lower Upper

105 100

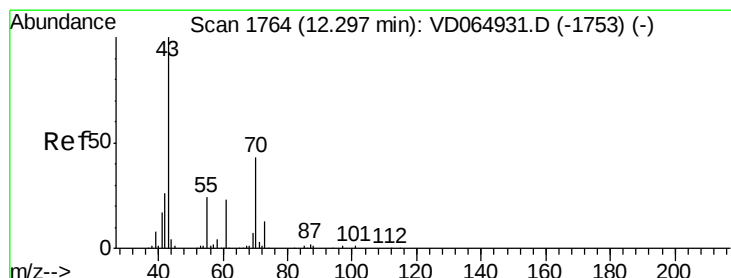
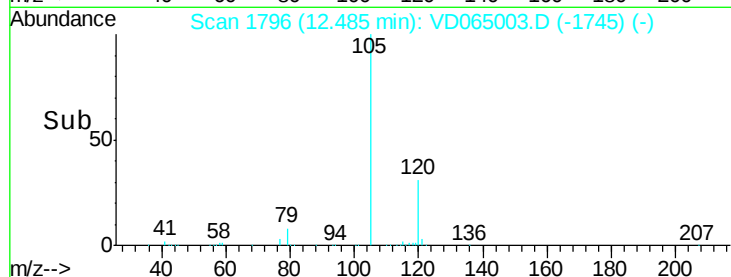
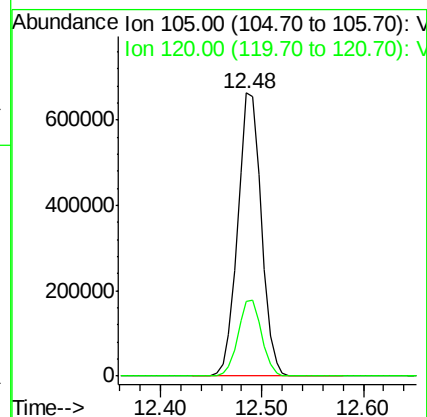
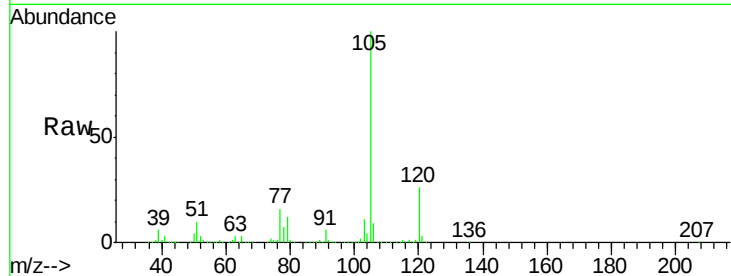
120 26.7 13.3 39.8

Manual Integrations

APPROVED

MMDadoda

1/31/2020 4:25:35 PM



#74

N-ethyl acetate

Concen: 52.778 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Tgt Ion: 43 Resp: 230435

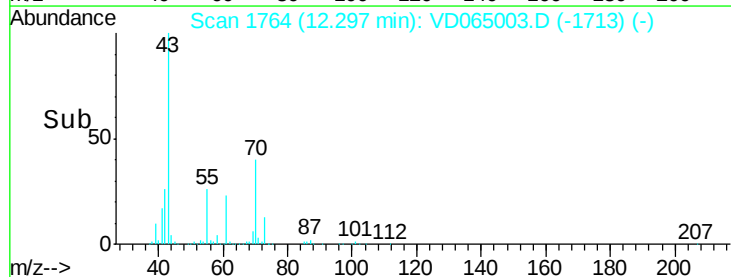
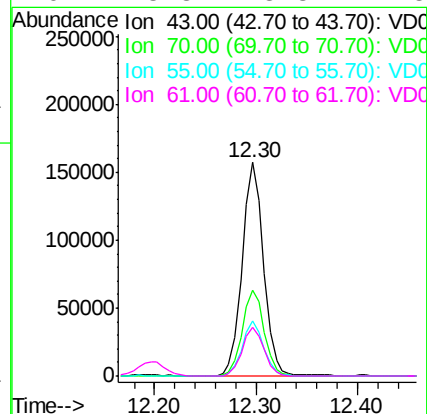
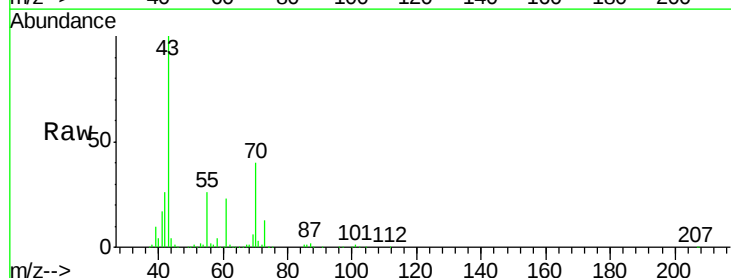
Ion Ratio Lower Upper

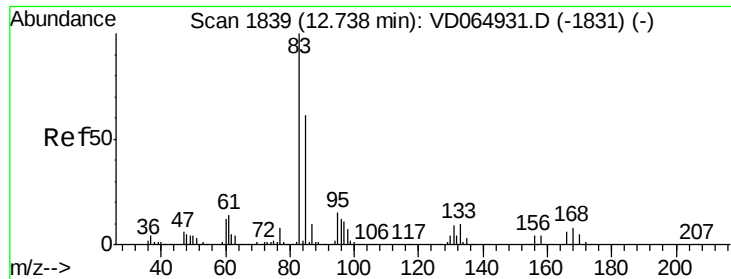
43 100

70 40.9 32.6 49.0

55 25.7 19.9 29.9

61 23.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.364 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Instrument :

MSVOA_D

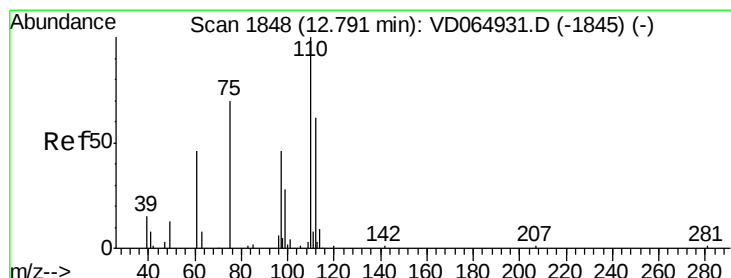
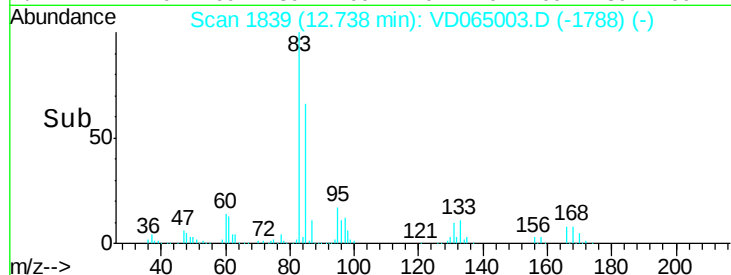
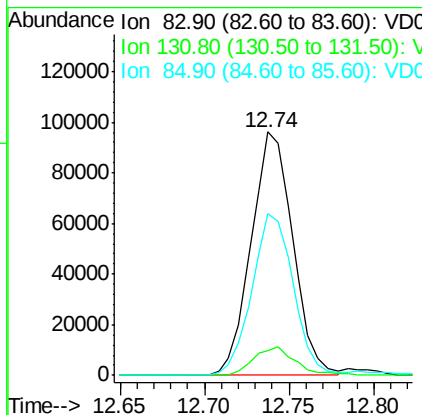
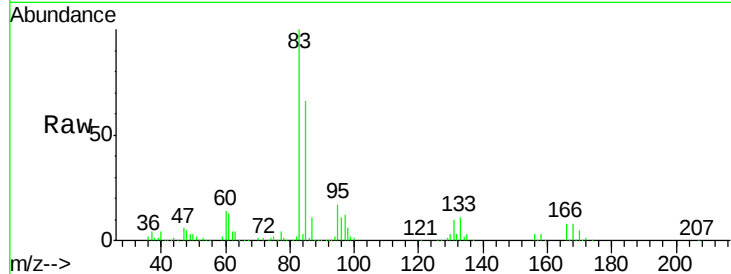
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	165163
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.5	16.4
85	66.2	31.6	94.7

Manual Integrations
APPROVED

MMDadoda
1/31/2020 4:25:35 PM



#76

1,2,3-Trichloropropane

Concen: 50.327 ug/l m

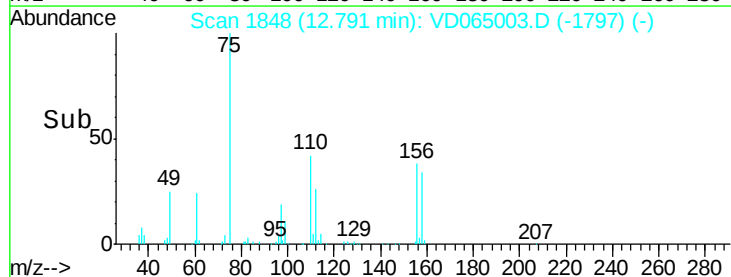
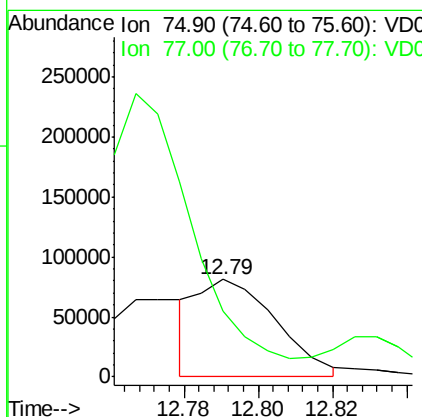
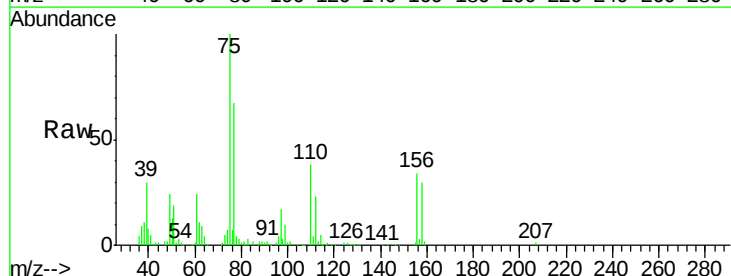
RT: 12.79 min Scan# 1848

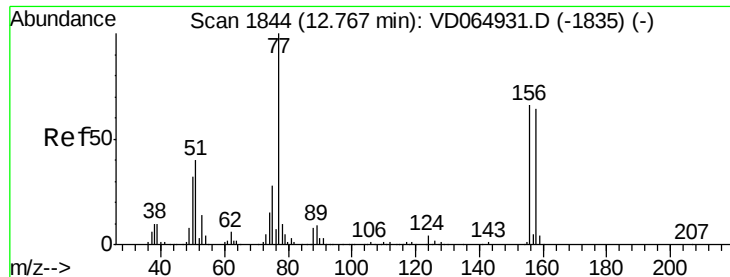
Delta R.T. 0.00 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Tgt Ion:	75	Resp:	119248
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





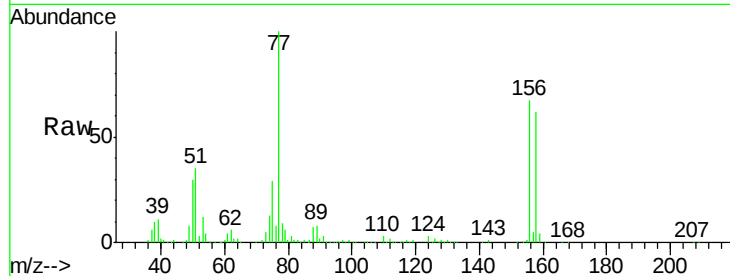
#77
Bromobenzene
Concen: 53.425 ug/l
RT: 12.77 min Scan# 1845
Delta R.T. 0.01 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

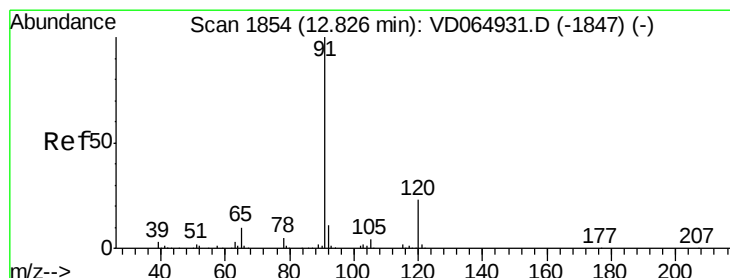
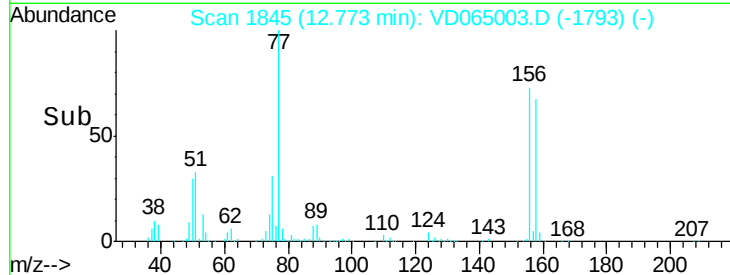
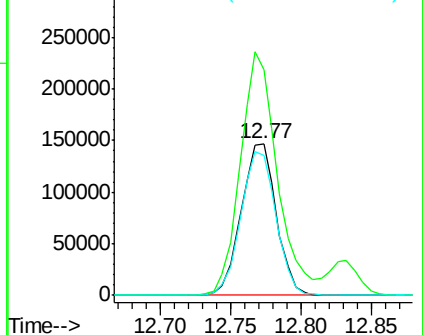
Tot Ion	Ratio	Lower	Upper
156	100		
77	168.4	84.2	252.5
158	95.2	48.1	144.4

Manual Integrations
APPROVED

MMDadoda
1/31/2020 4:25:35 PM

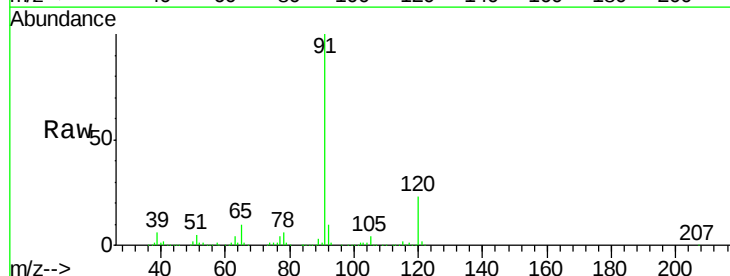


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

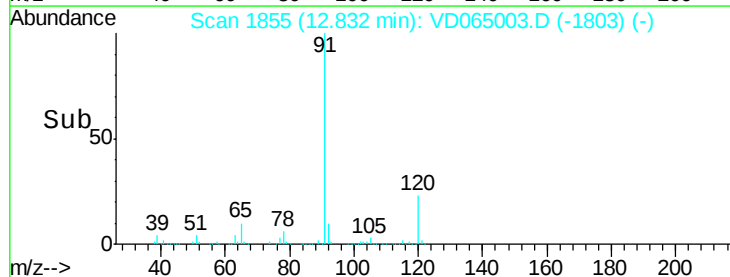
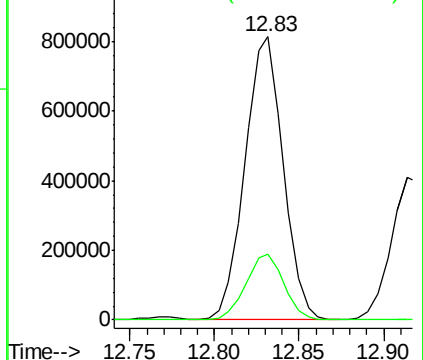


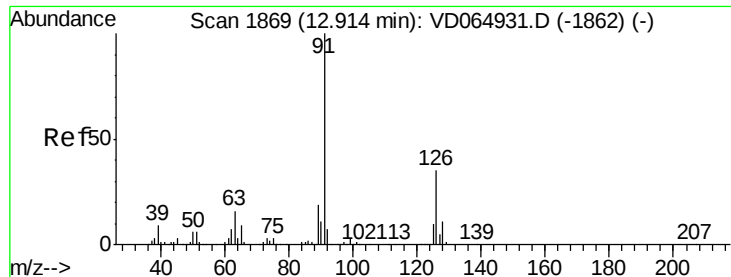
#78
n-propylbenzene
Concen: 54.979 ug/l
RT: 12.83 min Scan# 1855
Delta R.T. 0.01 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.383 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 692269

Ion Ratio Lower Upper

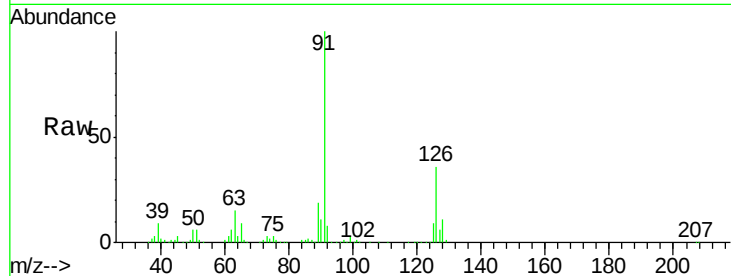
91 100

126 35.3 17.9 53.8

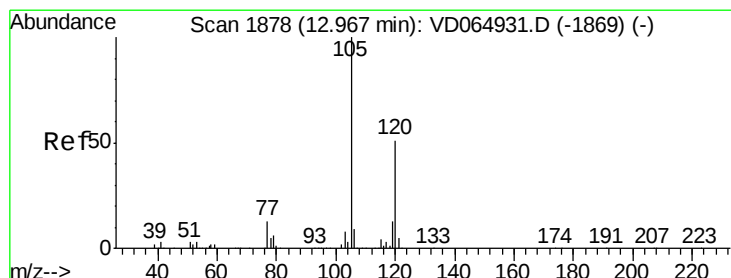
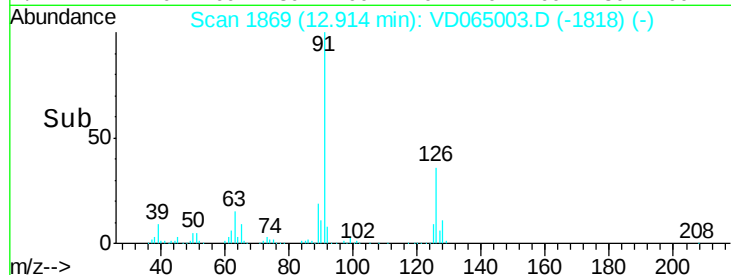
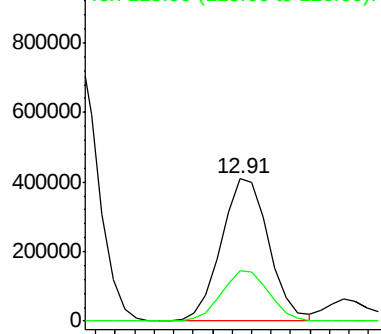
Manual Integrations
APPROVED

MMDadoda

1/31/2020 4:25:35 PM



Abundance Ion 91.00 (90.70 to 91.70): VD064931.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.481 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065003.D

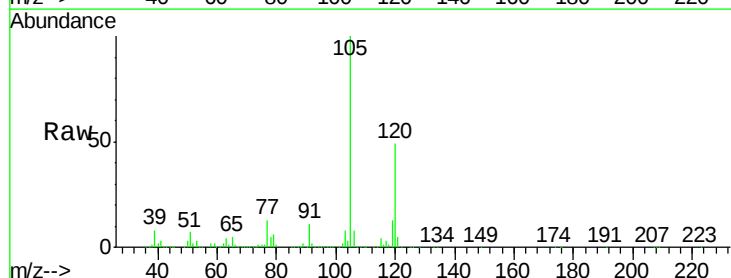
Acq: 30 Jan 2020 10:14

Tgt Ion: 105 Resp: 887143

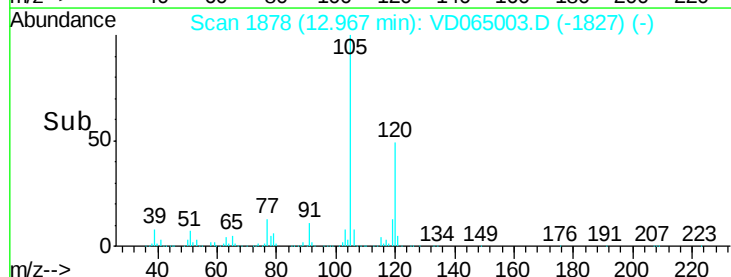
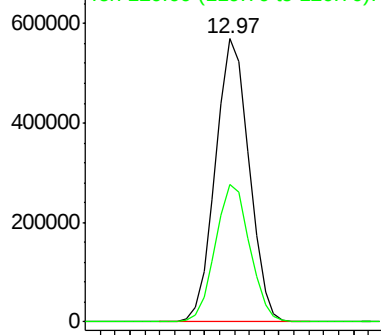
Ion Ratio Lower Upper

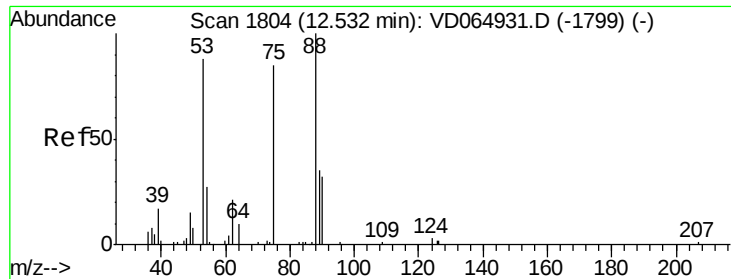
105 100

120 49.7 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VD064931.D (-1869) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.522 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Instrument :

MSVOA_D

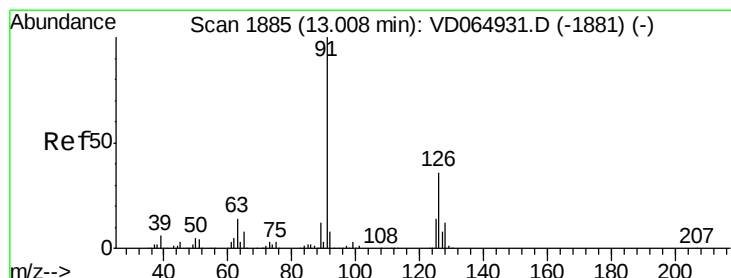
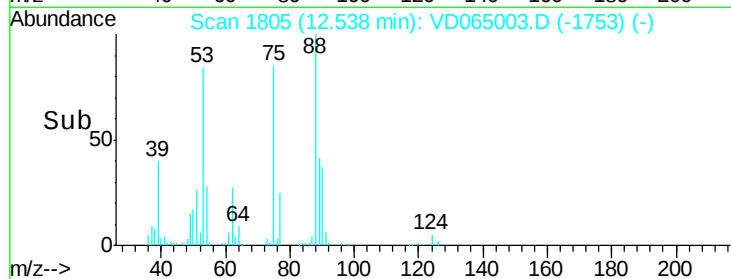
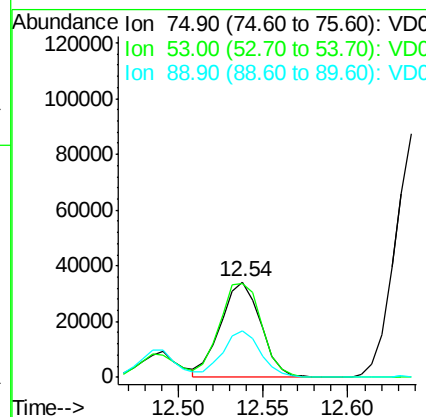
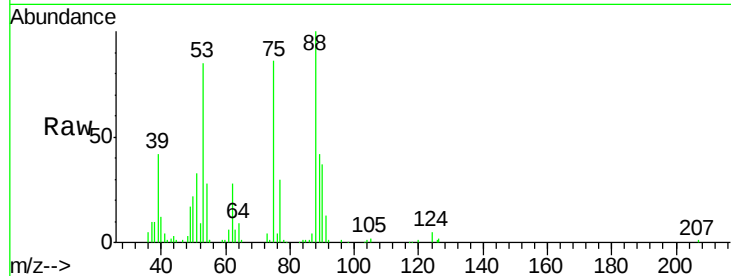
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	56065
Ion	Ratio	Lower	Upper
75	100		
53	105.3	81.0	121.4
89	47.2	36.2	54.4

Manual Integrations
APPROVED

MMDadoda
1/31/2020 4:25:35 PM



#82

4-Chlorotoluene

Concen: 53.761 ug/l

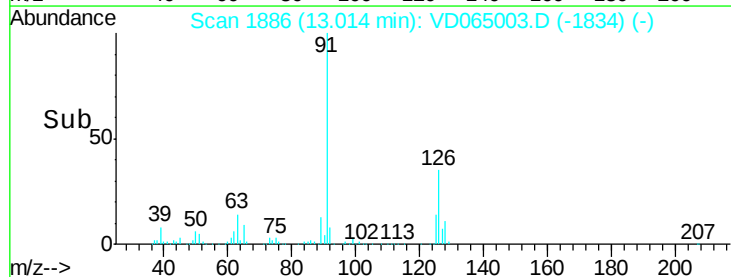
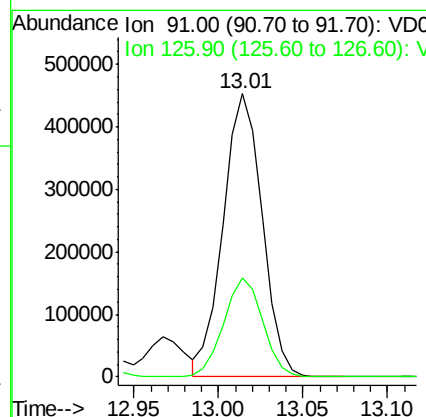
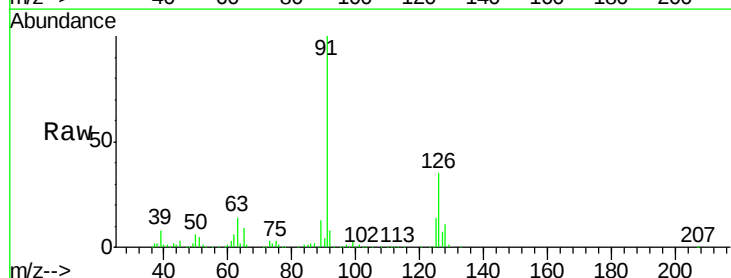
RT: 13.01 min Scan# 1886

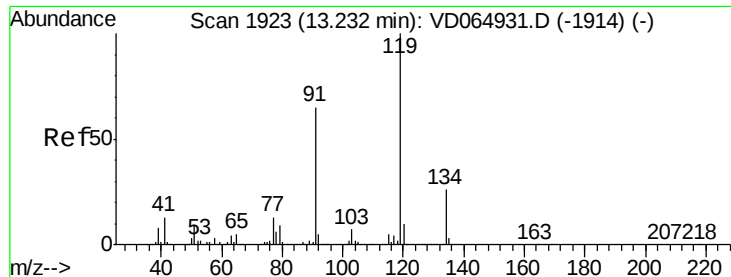
Delta R.T. 0.01 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Tgt Ion:	91	Resp:	725764
Ion	Ratio	Lower	Upper
91	100		
126	35.3	18.0	54.0





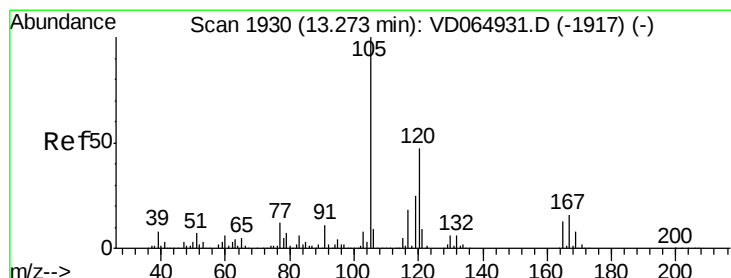
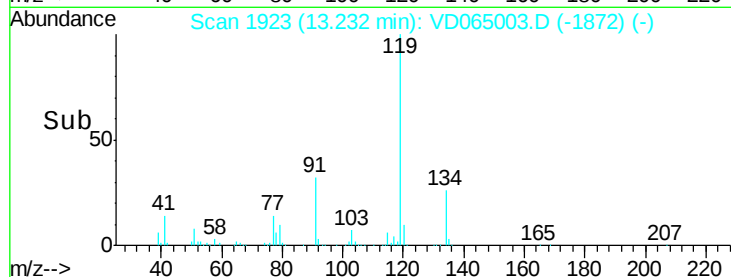
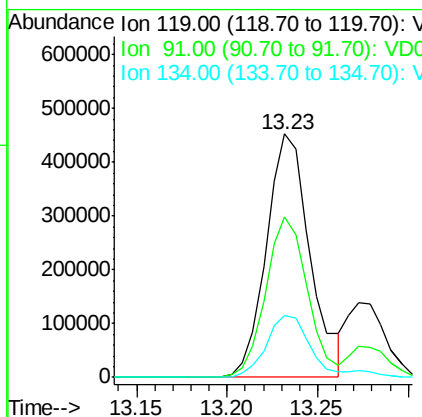
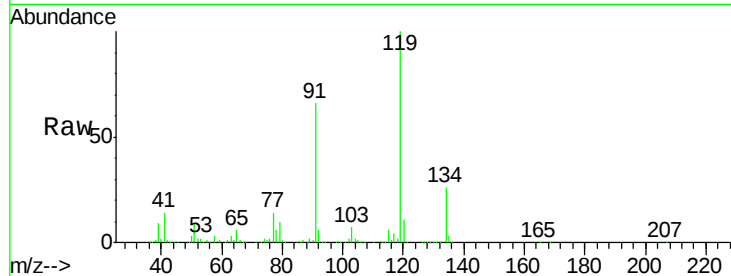
#83
tert-Butylbenzene
Concen: 55.973 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.9	32.0	96.0
134	26.9	13.9	41.6

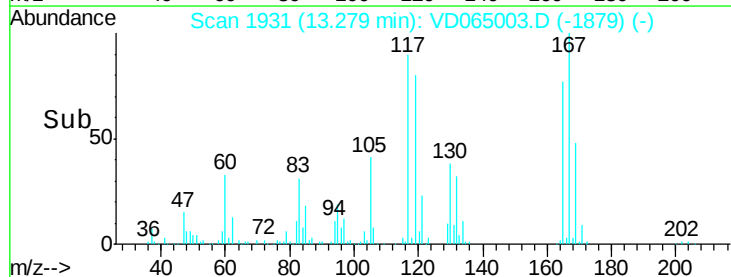
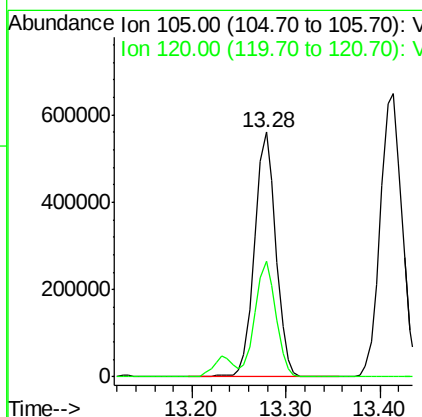
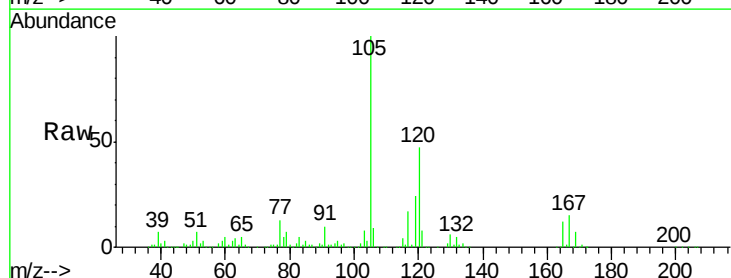
Manual Integrations
APPROVED

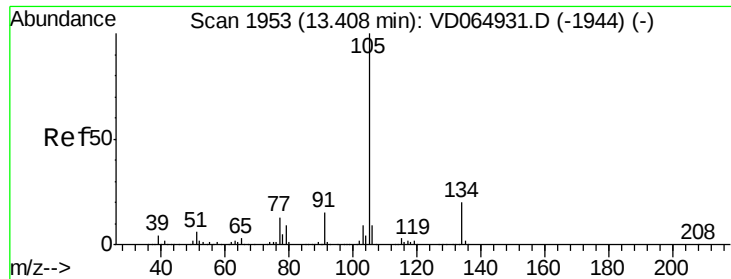
MMDadoda
1/31/2020 4:25:35 PM



#84
1,2,4-Trimethylbenzene
Concen: 54.268 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.1	69.3





#85

sec-Butylbenzene

Concen: 54.089 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1039213

Ion Ratio Lower Upper

105 100

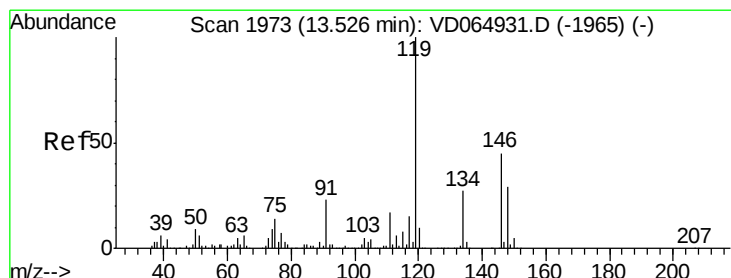
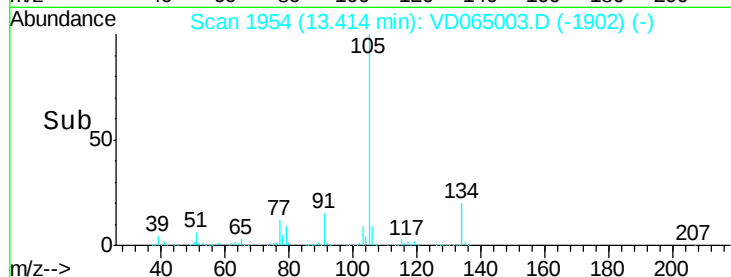
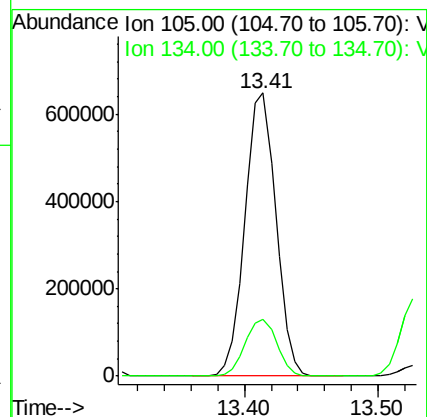
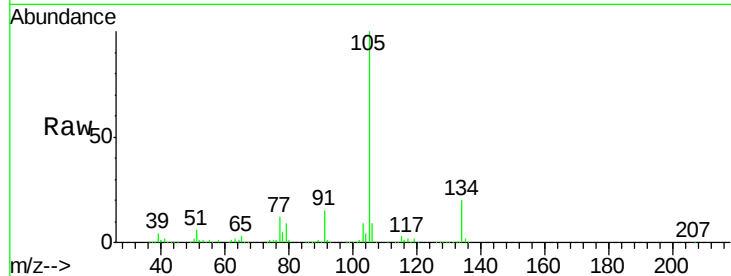
134 20.6 10.4 31.4

Manual Integrations

APPROVED

MMDadoda

1/31/2020 4:25:35 PM



#86

p-Isopropyltoluene

Concen: 54.299 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

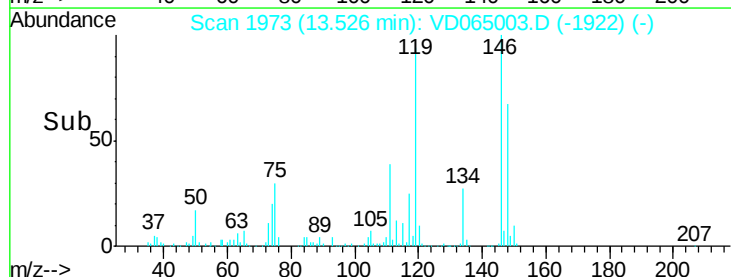
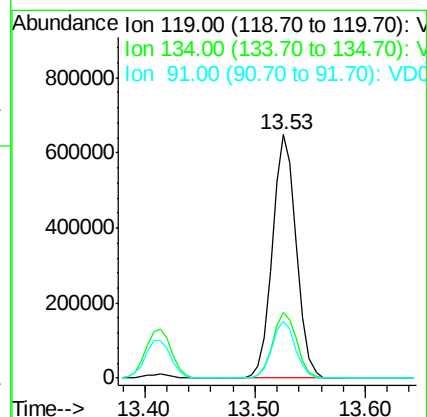
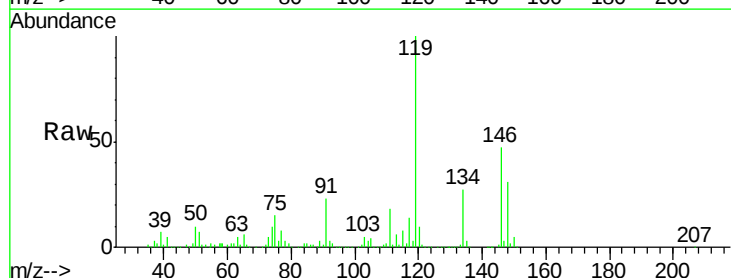
Tgt Ion:119 Resp: 976240

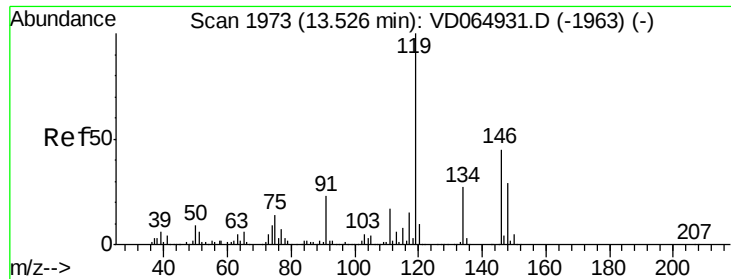
Ion Ratio Lower Upper

119 100

134 27.1 13.3 39.9

91 22.9 11.4 34.2





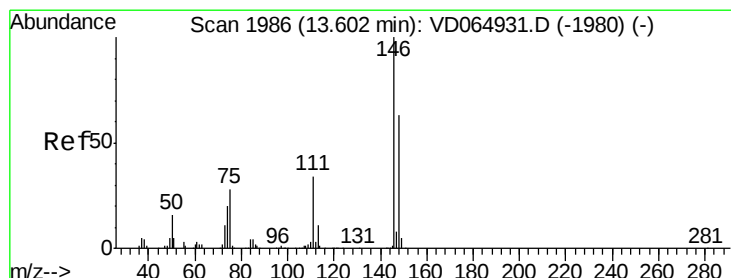
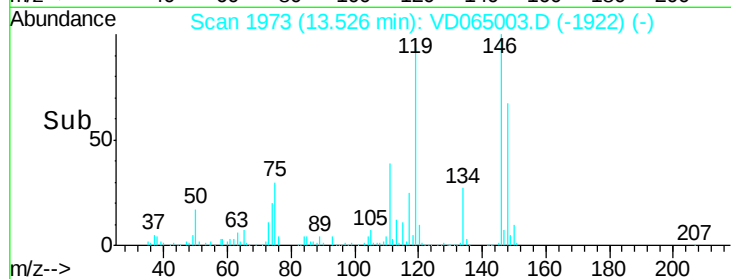
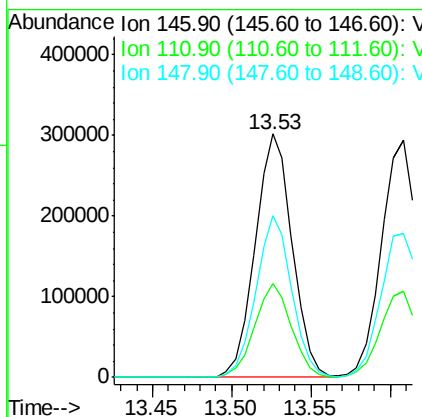
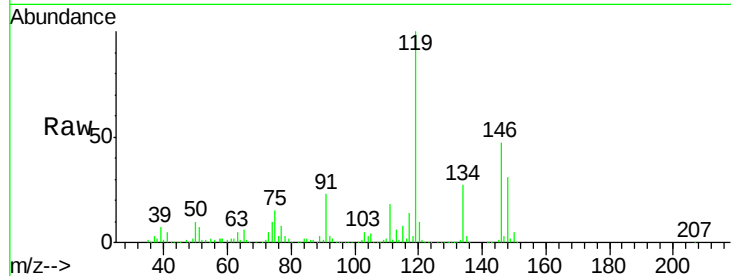
#87
 1,3-Dichlorobenzene
 Concen: 53.469 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065003.D
 Acq: 30 Jan 2020 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.9	56.9
148	64.2	32.6	97.7

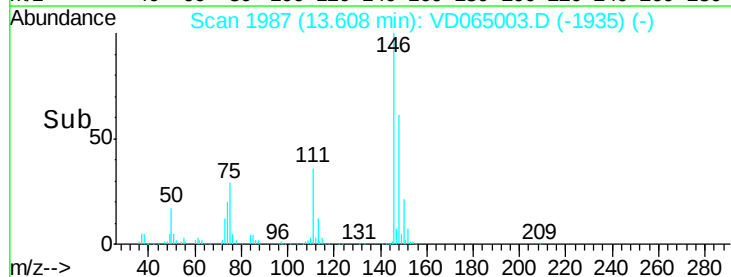
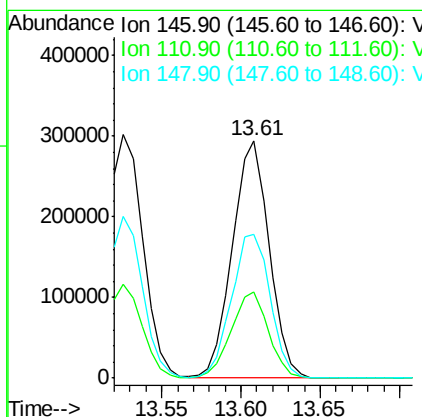
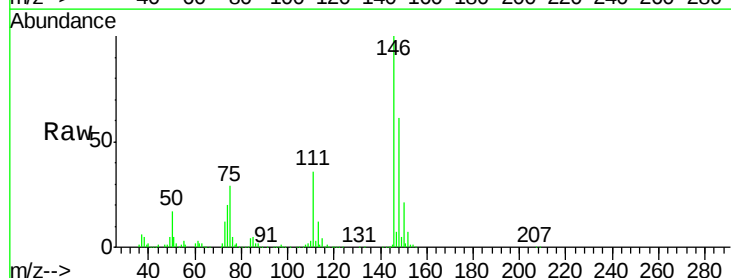
Manual Integrations
 APPROVED

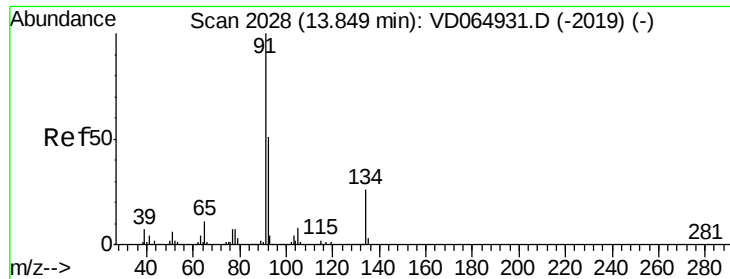
MMDadoda
 1/31/2020 4:25:35 PM



#88
 1,4-Dichlorobenzene
 Concen: 52.280 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065003.D
 Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.2	54.6
148	63.6	32.0	96.0





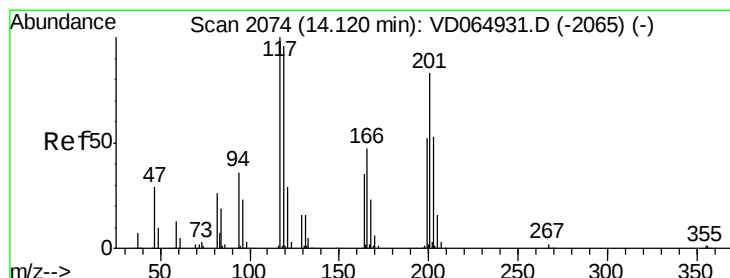
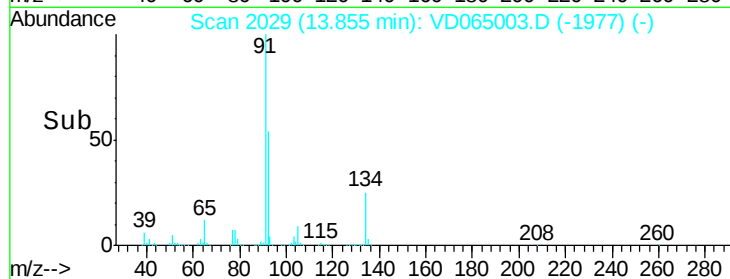
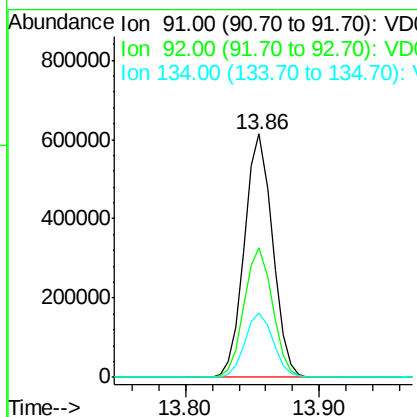
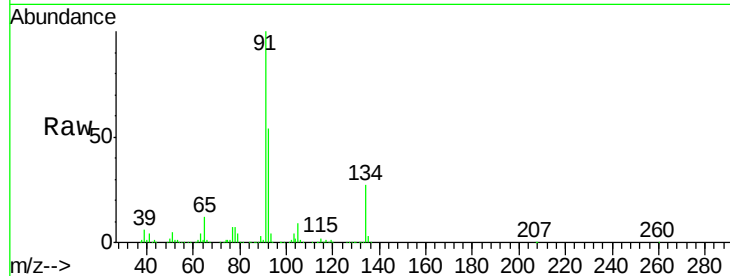
#89
n-Butylbenzene
Concen: 54.649 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.4	79.0
134	26.4	13.3	39.9

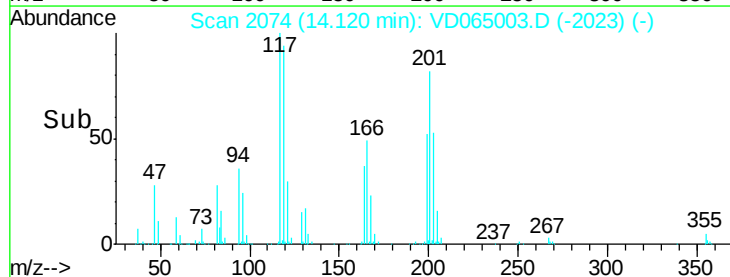
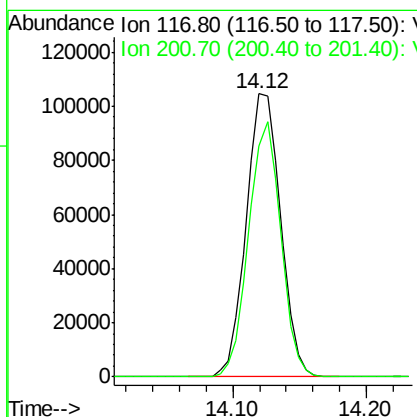
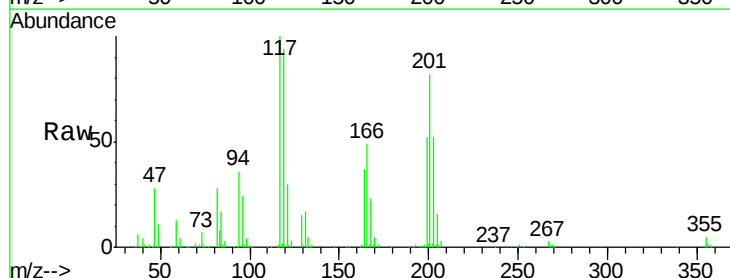
Manual Integrations
APPROVED

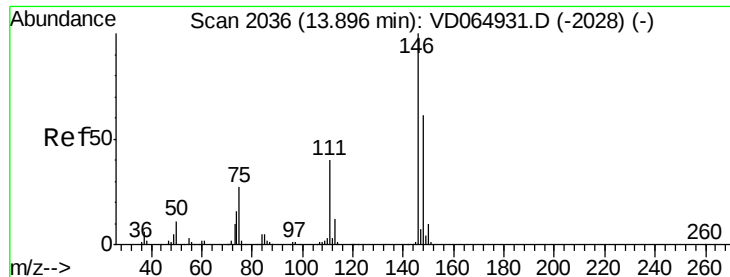
MMDadoda
1/31/2020 4:25:35 PM



#90
Hexachloroethane
Concen: 53.755 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065003.D
Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	41.1	123.3





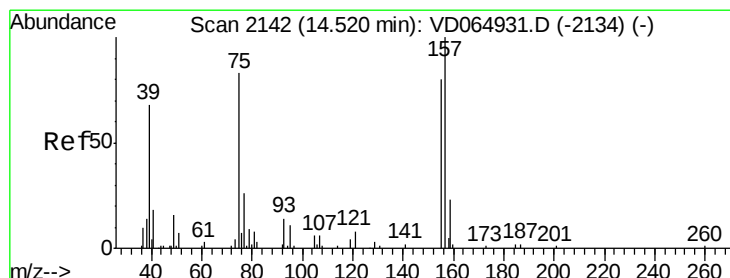
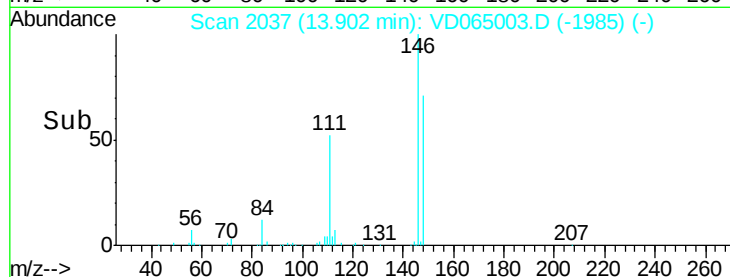
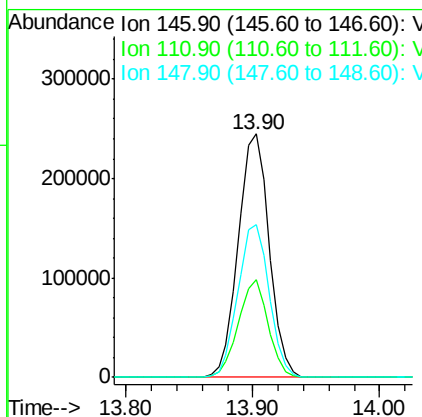
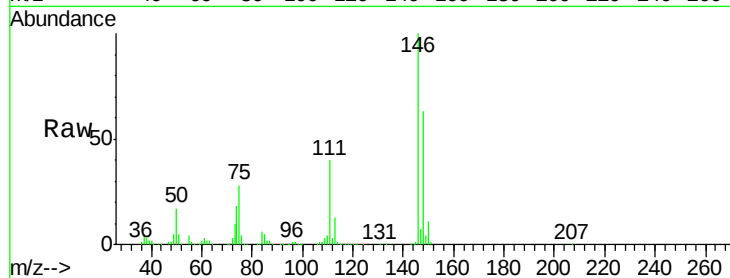
#91
 1,2-Dichlorobenzene
 Concen: 53.208 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD065003.D
 Acq: 30 Jan 2020 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	63.6	31.6	95.0

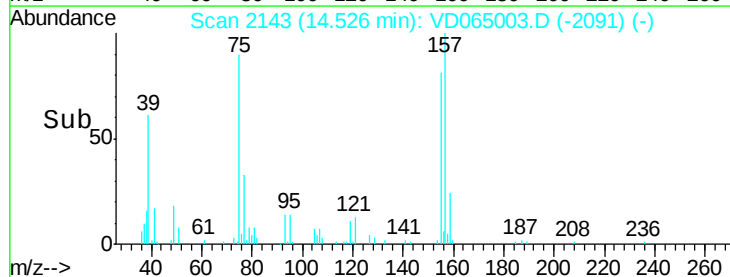
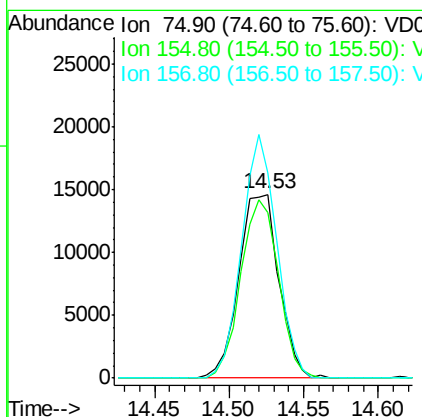
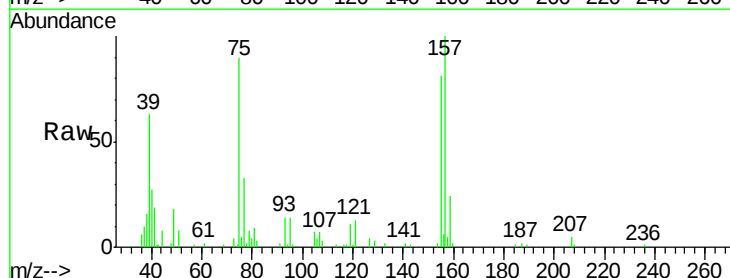
Manual Integrations
 APPROVED

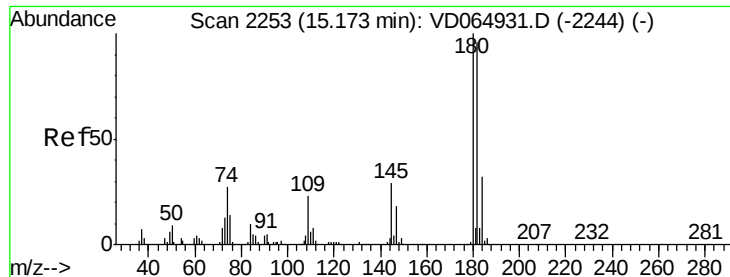
MMDadoda
 1/31/2020 4:25:35 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.766 ug/l
 RT: 14.53 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VD065003.D
 Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	44.9	134.7
157	115.5	58.9	176.6





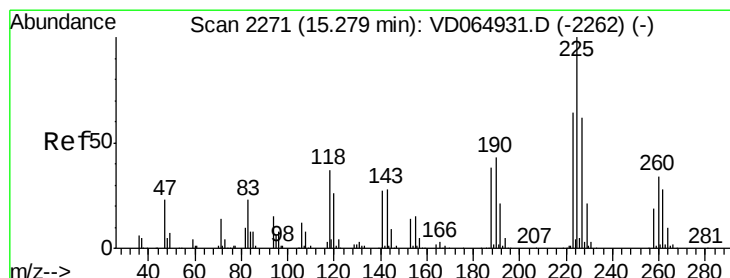
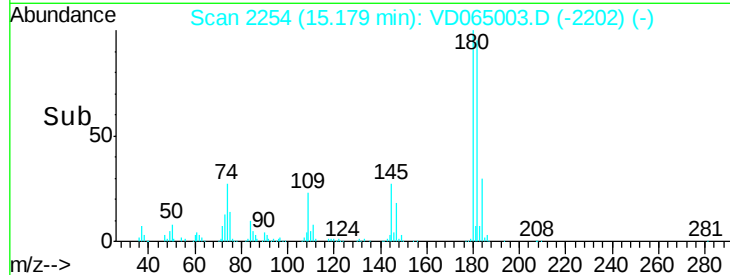
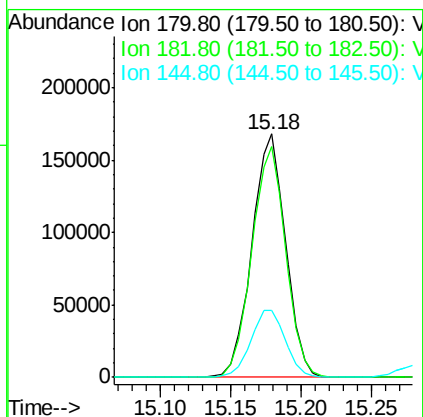
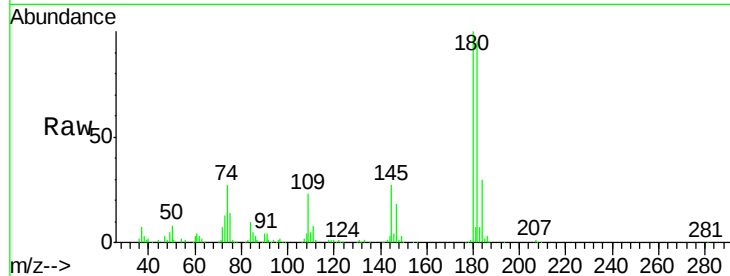
#93
 1,2,4-Trichlorobenzene
 Concen: 52.419 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065003.D
 Acq: 30 Jan 2020 10:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	282014		
182	95.3	47.1	141.4	
145	28.4	14.1	42.3	

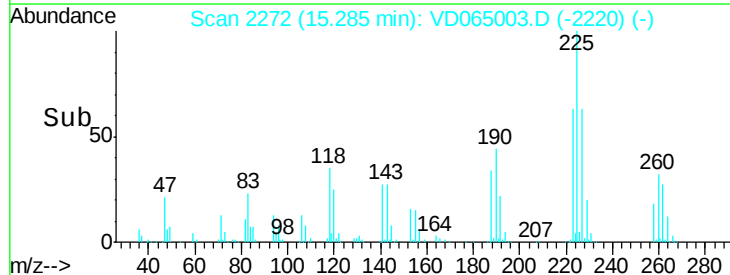
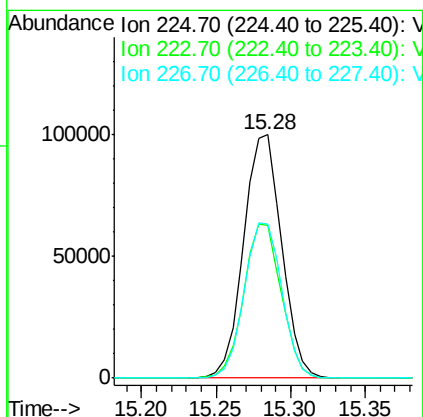
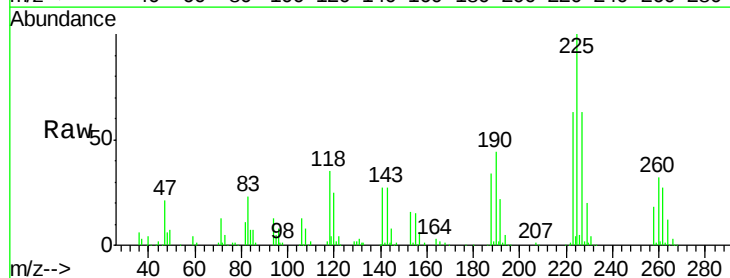
Manual Integrations
 APPROVED

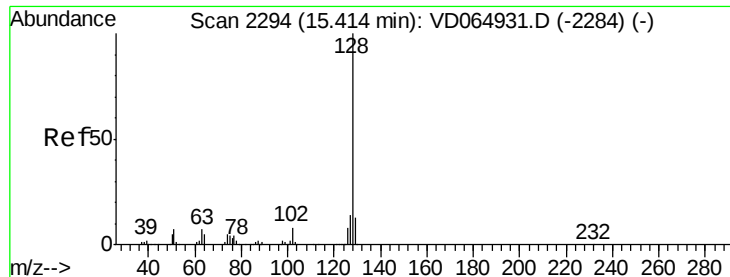
MMDadoda
 1/31/2020 4:25:35 PM



#94
 Hexachlorobutadiene
 Concen: 51.576 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065003.D
 Acq: 30 Jan 2020 10:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	175511		
223	62.6	32.4	97.2	
227	63.3	31.9	95.9	





#95

Naphthalene

Concen: 53.182 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Instrument :

MSVOA_D

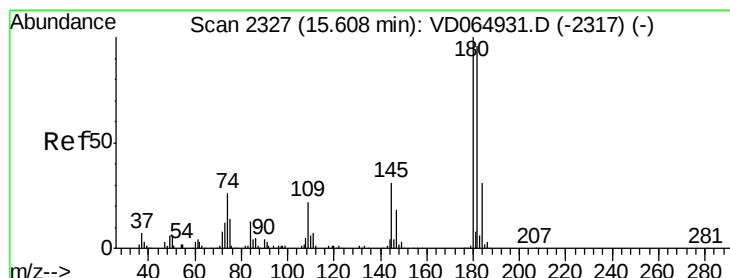
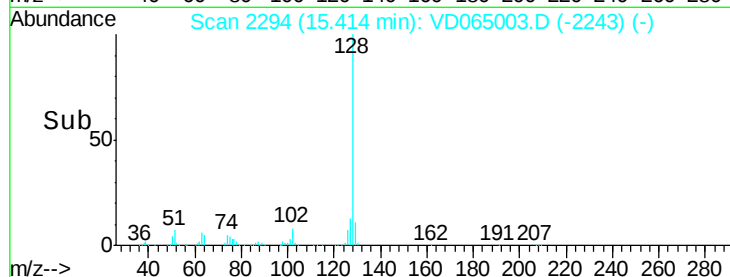
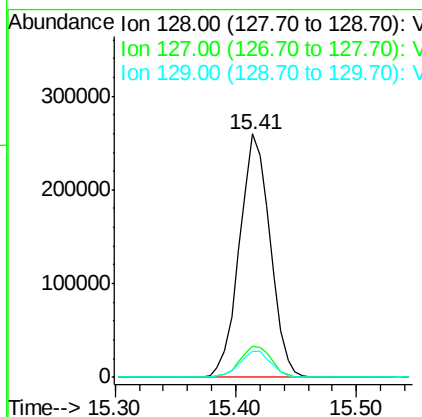
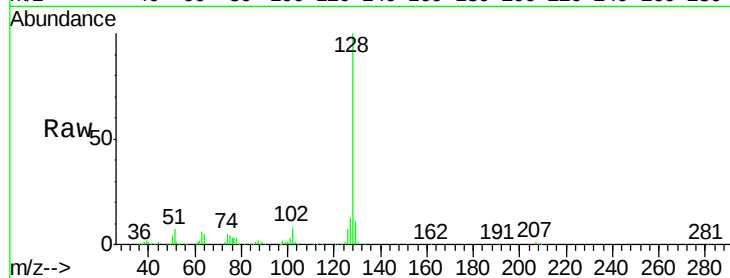
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	461755
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	11.0	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
1/31/2020 4:25:35 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.177 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065003.D

Acq: 30 Jan 2020 10:14

Tgt Ion:	180	Resp:	238725
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.3	141.8
145	30.7	14.6	43.8

