

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021020\
 Data File : VD065124.D
 Acq On : 10 Feb 2020 10:41
 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
 2/11/2020 6:09:26 PM

Quant Time: Feb 11 08:14:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	522502	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	742678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	661005	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	319884	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	234605	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	
35) Dibromofluoromethane	7.92	113	238741	57.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.24%	
50) Toluene-d8	10.34	98	955587	57.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.88%	
62) 4-Bromofluorobenzene	12.64	95	291069	55.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	221325	50.902	ug/l	97
3) Chloromethane	2.21	50	258586	50.521	ug/l	96
4) Vinyl Chloride	2.35	62	280330	51.788	ug/l	100
5) Bromomethane	2.77	94	171672	48.912	ug/l	97
6) Chloroethane	2.93	64	168188	50.089	ug/l	97
7) Trichlorofluoromethane	3.27	101	399566	50.722	ug/l	99
8) Diethyl Ether	3.71	74	102355	45.260	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	239598	49.753	ug/l	100
10) Methyl Iodide	4.30	142	268055	48.767	ug/l	98
11) Tert butyl alcohol	5.25	59	57225	210.907	ug/l	97
12) 1,1-Dichloroethene	4.06	96	225488	48.889	ug/l	99
13) Acrolein	3.92	56	78969	236.628	ug/l	97
14) Allyl chloride	4.71	41	369917	48.258	ug/l	98
15) Acrylonitrile	5.43	53	234283	236.961	ug/l	98
16) Acetone	4.16	43	308040	277.443	ug/l	99
17) Carbon Disulfide	4.40	76	744242	50.257	ug/l	98
18) Methyl Acetate	4.72	43	103231	44.502	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	463120	45.408	ug/l	98
20) Methylene Chloride	4.96	84	237682	48.500	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	253528	48.585	ug/l	96
22) Diisopropyl ether	6.37	45	714581	49.422	ug/l	97
23) Vinyl Acetate	6.31	43	1968823	244.299	ug/l	100
24) 1,1-Dichloroethane	6.27	63	431026	49.251	ug/l	98
25) 2-Butanone	7.22	43	329809	249.025	ug/l	97
26) 2,2-Dichloropropane	7.21	77	392006	49.973	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	266127	48.006	ug/l	100
28) Bromochloromethane	7.55	49	168977	50.935	ug/l	100
29) Tetrahydrofuran	7.57	42	187462	234.060	ug/l	98
30) Chloroform	7.71	83	432515	49.634	ug/l	94
31) Cyclohexane	7.99	56	419730	47.512	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	402972	49.643	ug/l	99
36) 1,1-Dichloropropene	8.11	75	360202	52.159	ug/l	99
37) Ethyl Acetate	7.30	43	132927	47.116	ug/l	100
38) Carbon Tetrachloride	8.10	117	372396	52.799	ug/l	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021020\
 Data File : VD065124.D
 Acq On : 10 Feb 2020 10:41
 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
 2/11/2020 6:09:26 PM

Quant Time: Feb 11 08:14:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	444782	52.180	ug/l	99
40) Benzene	8.36	78	988720	51.846	ug/l	98
41) Methacrylonitrile	7.53	41	77004	49.543	ug/l	94
42) 1,2-Dichloroethane	8.43	62	263989	48.583	ug/l	99
43) Isopropyl Acetate	8.46	43	249430	46.218	ug/l	100
44) Trichloroethene	9.11	130	272623	49.805	ug/l	99
45) 1,2-Dichloropropane	9.39	63	239823	52.452	ug/l	97
46) Dibromomethane	9.48	93	118888	49.482	ug/l	99
47) Bromodichloromethane	9.67	83	322912	51.008	ug/l	97
48) Methyl methacrylate	9.46	41	119766	46.118	ug/l	97
49) 1,4-Dioxane	9.47	88	25959	912.208	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	649430	244.475	ug/l	99
52) Toluene	10.41	92	631804	51.909	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	308588	50.065	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	373470	50.661	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	164783	50.002	ug/l	96
56) Ethyl methacrylate	10.67	69	207716	49.815	ug/l	98
57) 1,3-Dichloropropane	10.95	76	284961	49.174	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	308244	227.051	ug/l	100
59) 2-Hexanone	10.99	43	511847	272.026	ug/l	100
60) Dibromochloromethane	11.14	129	217661	50.992	ug/l	99
61) 1,2-Dibromoethane	11.25	107	158794	49.313	ug/l	100
64) Tetrachloroethene	10.88	164	236680	49.831	ug/l	96
65) Chlorobenzene	11.68	112	642372	50.245	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	238421	50.528	ug/l	99
67) Ethyl Benzene	11.75	91	1196702	51.521	ug/l	99
68) m/p-Xylenes	11.86	106	919268	103.692	ug/l	100
69) o-Xylene	12.19	106	405824	50.833	ug/l	99
70) Styrene	12.20	104	723973	52.177	ug/l	99
71) Bromoform	12.37	173	127091	50.040	ug/l #	100
73) Isopropylbenzene	12.48	105	1129650	51.452	ug/l	100
74) N-amyl acetate	12.30	43	224996	47.148	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	170062	49.215	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	118054m	48.745	ug/l	
77) Bromobenzene	12.77	156	259336	49.025	ug/l	99
78) n-propylbenzene	12.83	91	1337268	52.009	ug/l	100
79) 2-Chlorotoluene	12.91	91	722103	50.384	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	918844	51.155	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	57242	47.269	ug/l	99
82) 4-Chlorotoluene	13.01	91	764137	50.765	ug/l	100
83) tert-Butylbenzene	13.23	119	774856	50.002	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	911495	51.115	ug/l	99
85) sec-Butylbenzene	13.41	105	1098456	51.900	ug/l	99
86) p-Isopropyltoluene	13.53	119	1029105	52.332	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	499852	50.468	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	484474	49.147	ug/l	99
89) n-Butylbenzene	13.86	91	966374	53.242	ug/l	99
90) Hexachloroethane	14.12	117	193218	51.889	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	417887	49.260	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27091	48.027	ug/l	99

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021020\
Data File : VD065124.D
Acq On : 10 Feb 2020 10:41
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
2/11/2020 6:09:26 PM

Quant Time: Feb 11 08:14:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	286061	47.179	ug/l	99
94) Hexachlorobutadiene	15.28	225	178612	47.909	ug/l	98
95) Naphthalene	15.41	128	472511	46.886	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	243010	46.856	ug/l	100

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

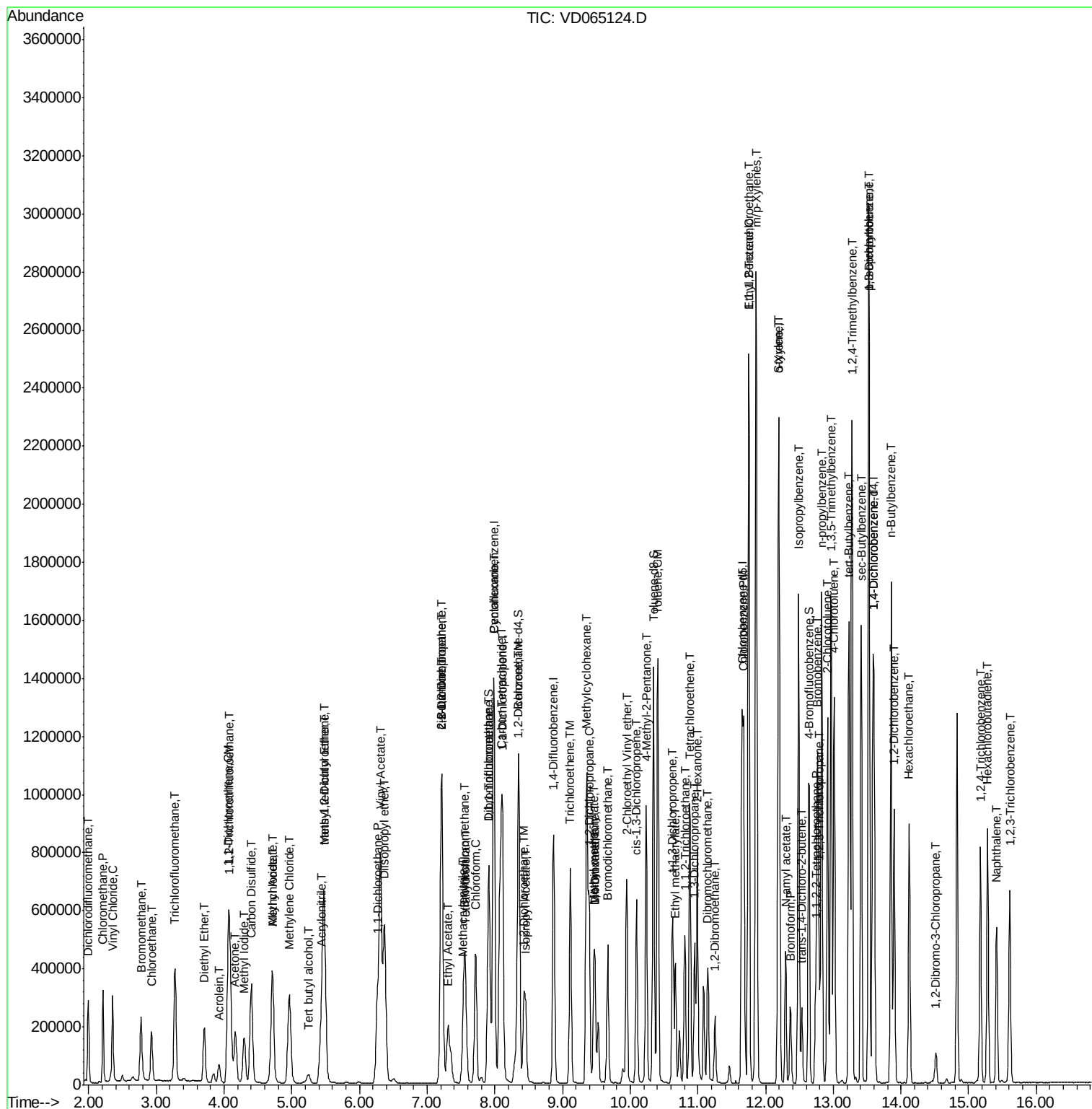
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021020\
Data File : VD065124.D
Acq On : 10 Feb 2020 10:41
Operator : VA/SY
Sample : VSTDCCC050
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 2 Sample Multiplier: 1

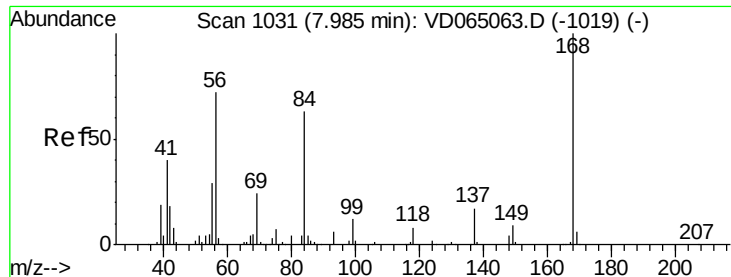
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

MMDadoda
2/11/2020 6:09:26 PM

Quant Time: Feb 11 08:14:11 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 522502

Ion Ratio Lower Upper

168 100

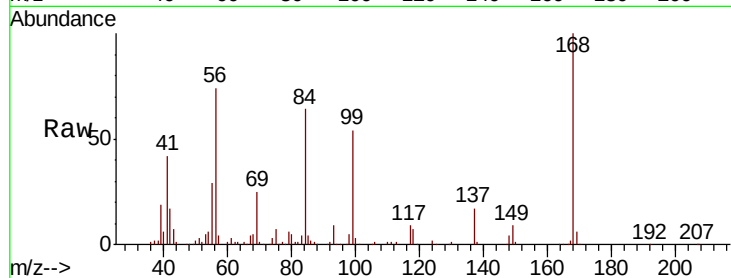
99 53.4 41.0 61.6

Manual Integrations

APPROVED

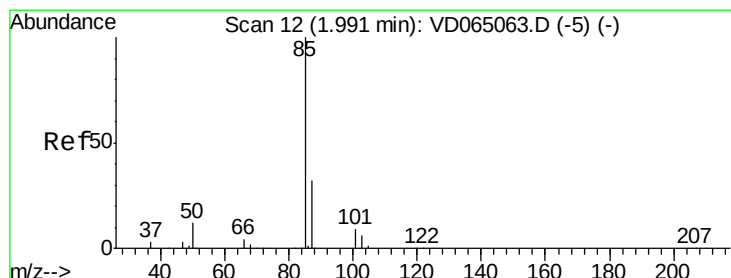
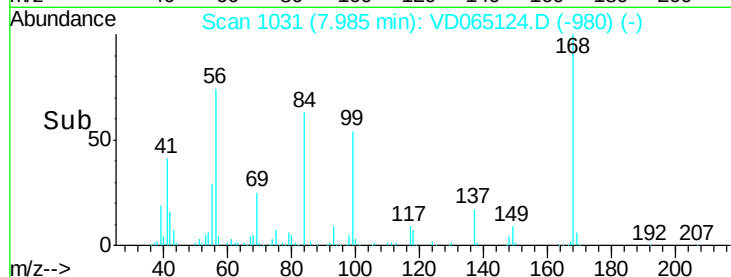
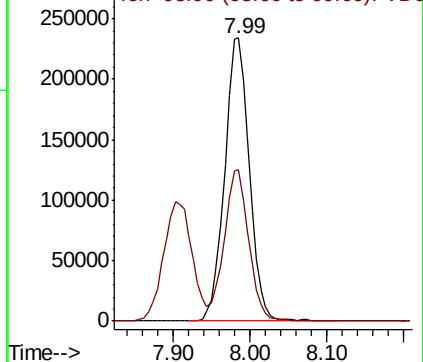
MMDadoda

2/11/2020 6:09:26 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 50.902 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065124.D

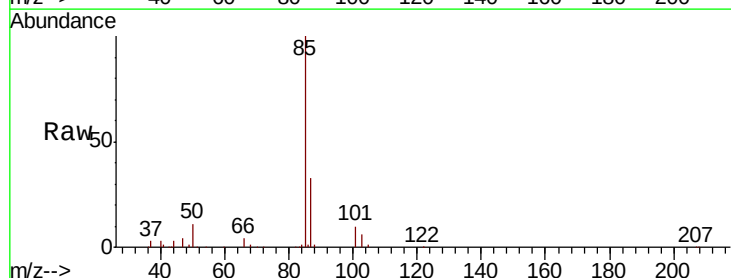
Acq: 10 Feb 2020 10:41

Tgt Ion: 85 Resp: 221325

Ion Ratio Lower Upper

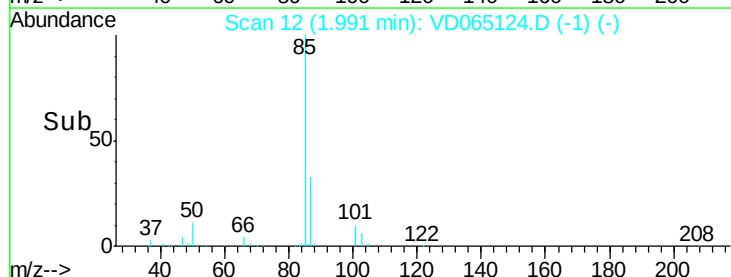
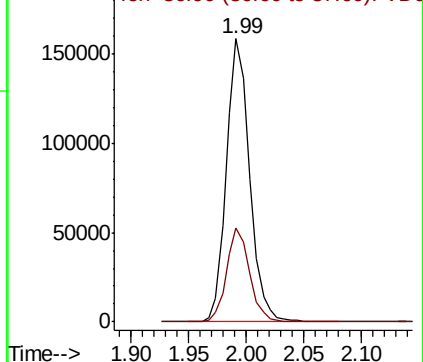
85 100

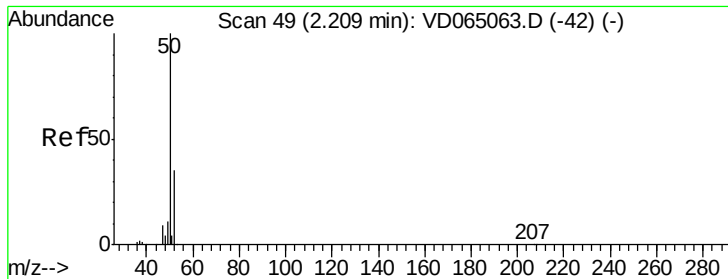
87 33.1 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.521 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 258586

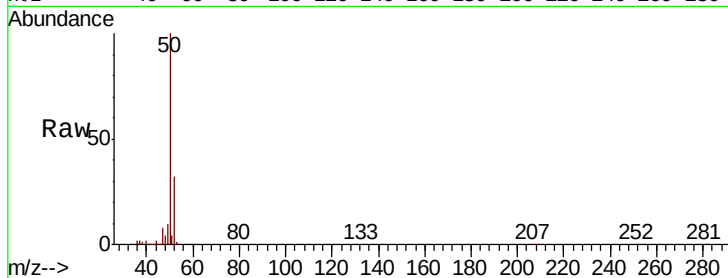
Ion Ratio Lower Upper

50 100

52 32.3 27.8 41.6

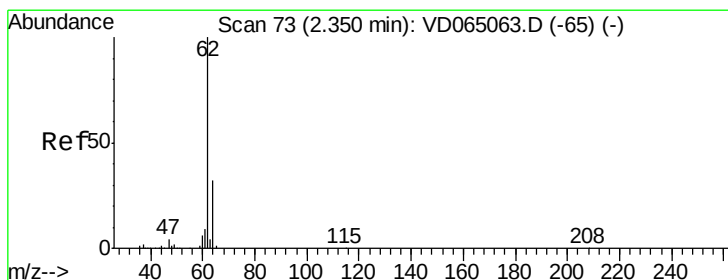
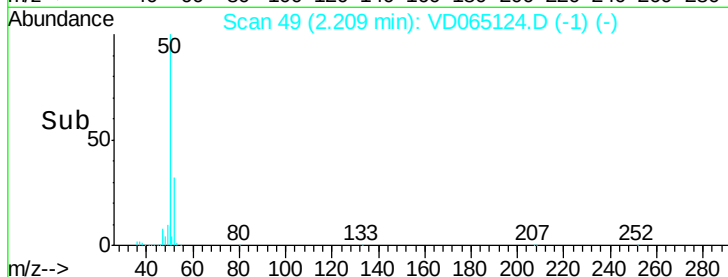
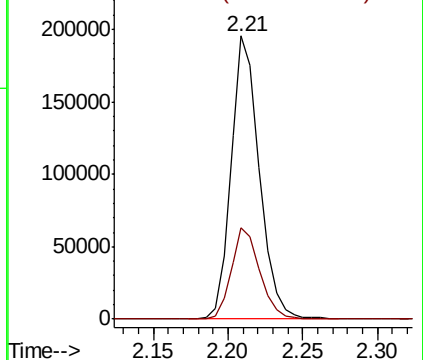
Manual Integrations
APPROVED

MMDadoda
2/11/2020 6:09:26 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.788 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065124.D

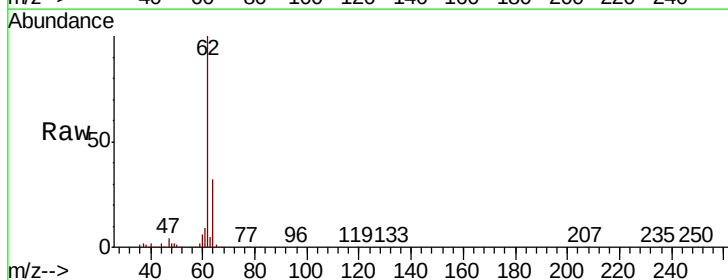
Acq: 10 Feb 2020 10:41

Tgt Ion: 62 Resp: 280330

Ion Ratio Lower Upper

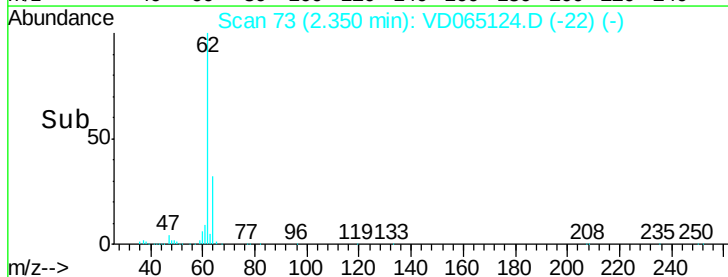
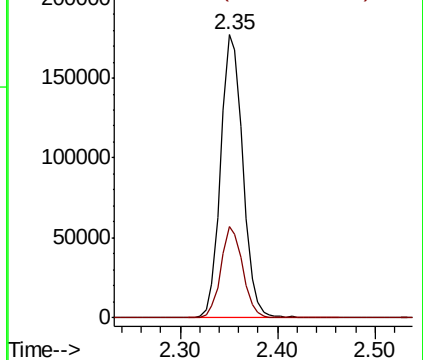
62 100

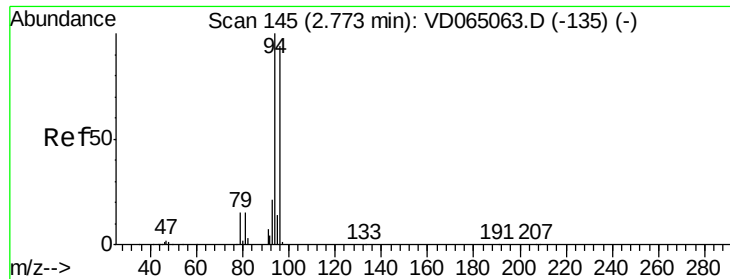
64 32.4 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 48.912 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 171672

Ion Ratio Lower Upper

94 100

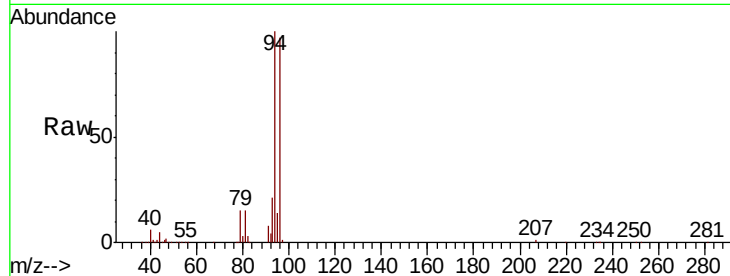
96 96.8 75.4 113.0

Manual Integrations

APPROVED

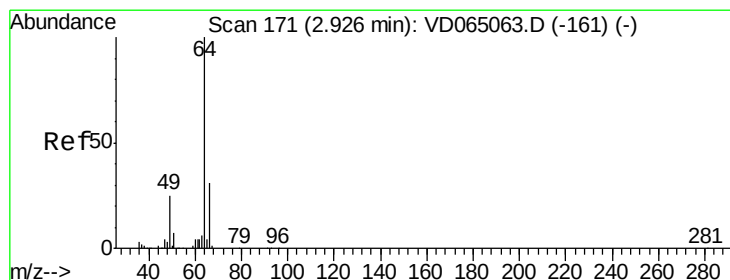
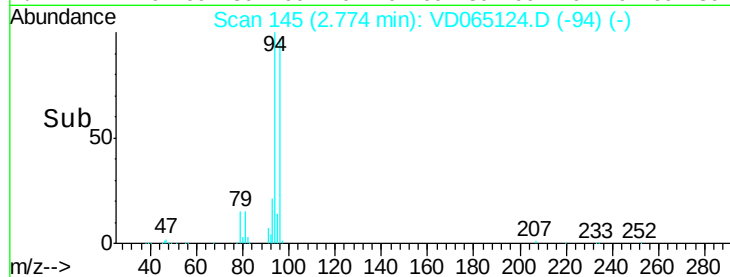
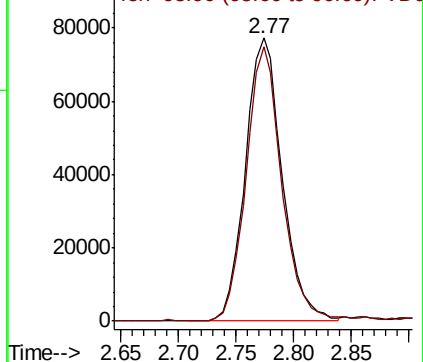
MMDadoda

2/11/2020 6:09:26 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.089 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065124.D

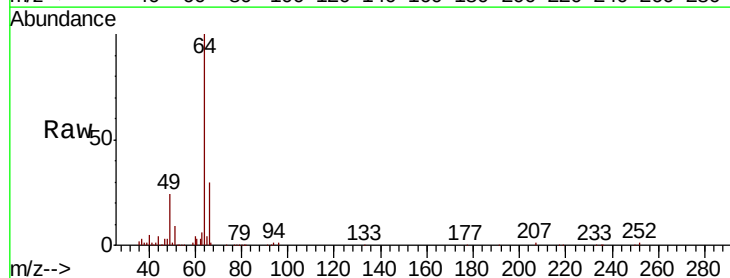
Acq: 10 Feb 2020 10:41

Tgt Ion: 64 Resp: 168188

Ion Ratio Lower Upper

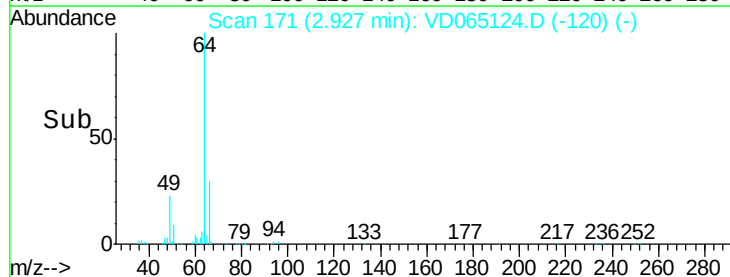
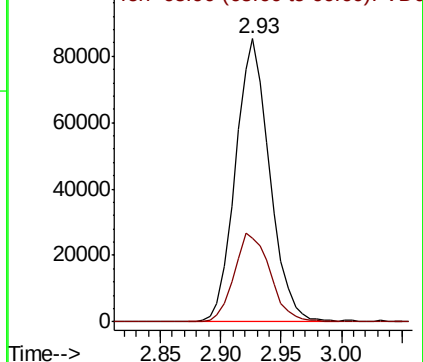
64 100

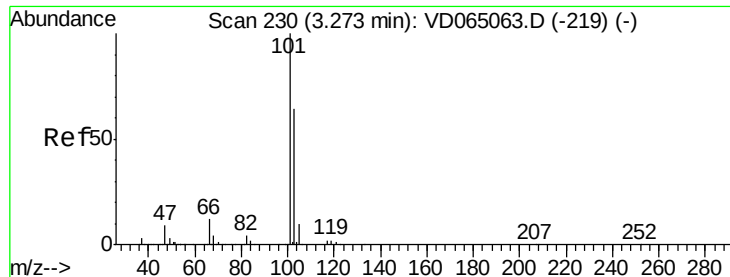
66 29.6 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

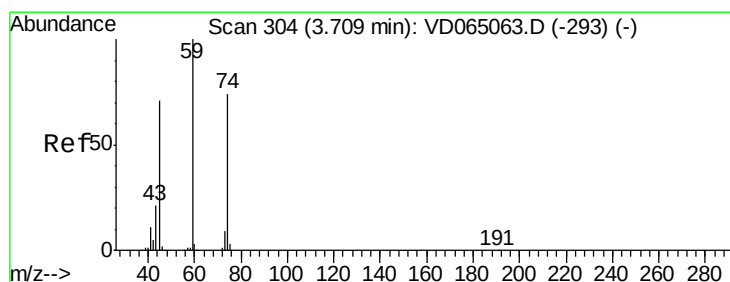
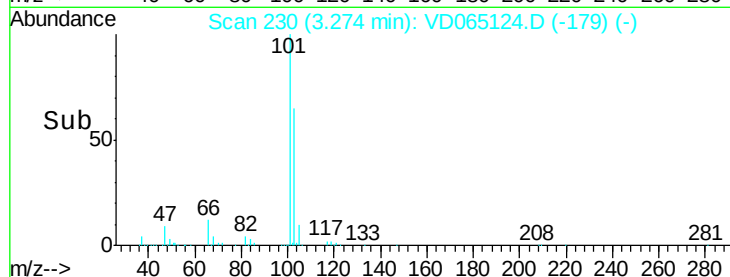
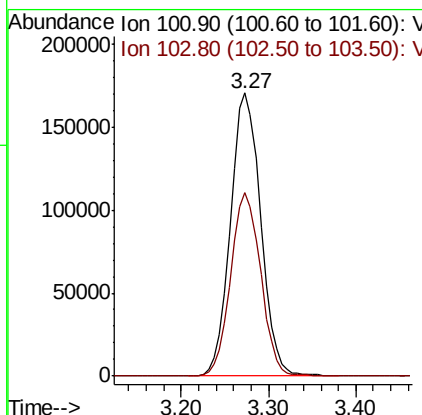
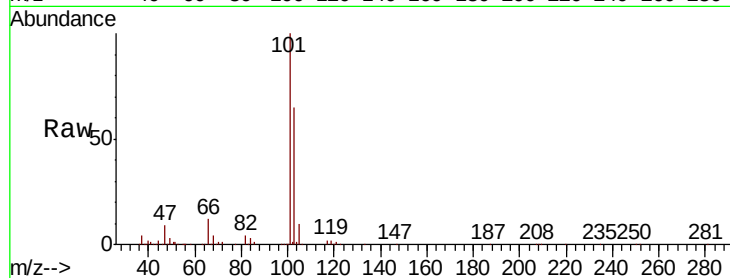
Trichlorofluoromethane
Concen: 50.722 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.7	51.0	76.6

Manual Integrations
APPROVED

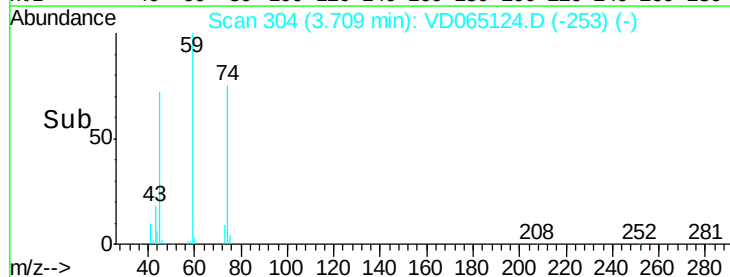
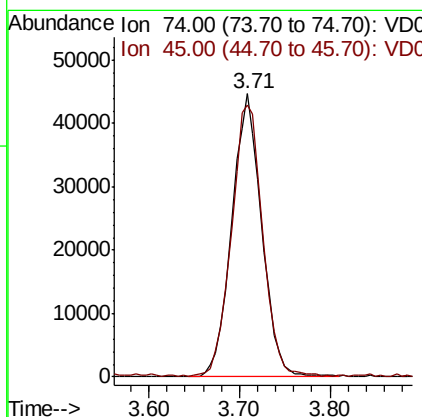
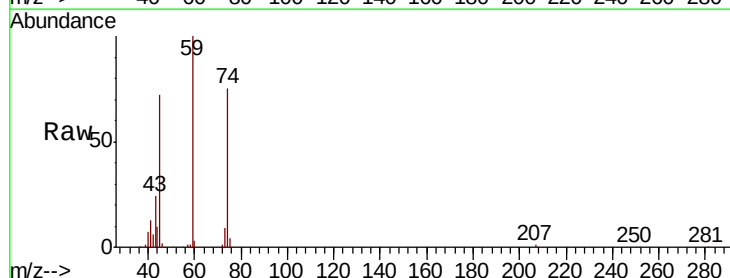
MMDadoda
2/11/2020 6:09:26 PM

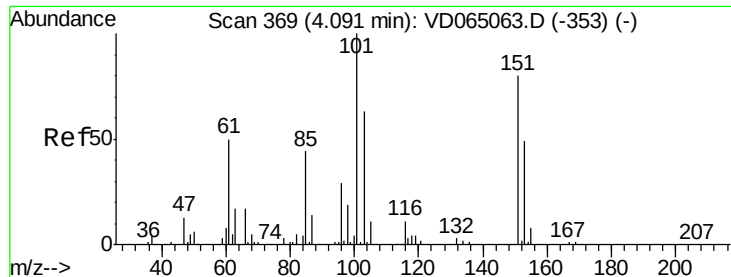


#8

Diethyl Ether
Concen: 45.260 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.9	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.753 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Instrument :

MSVOA_D

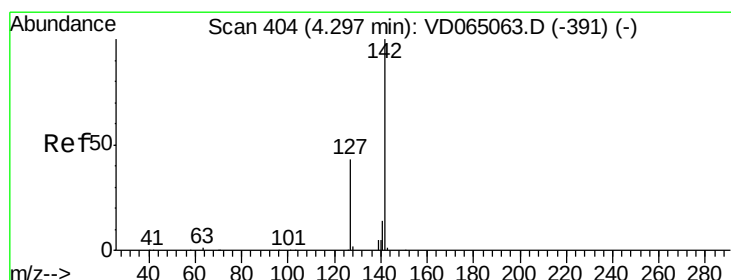
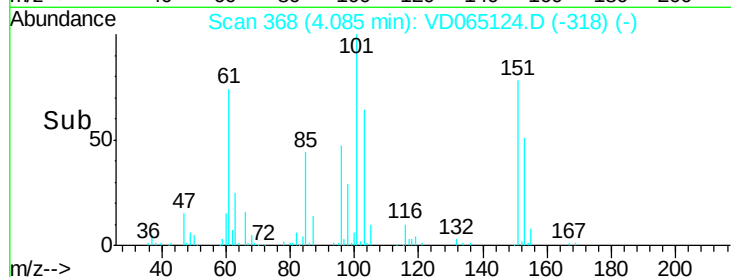
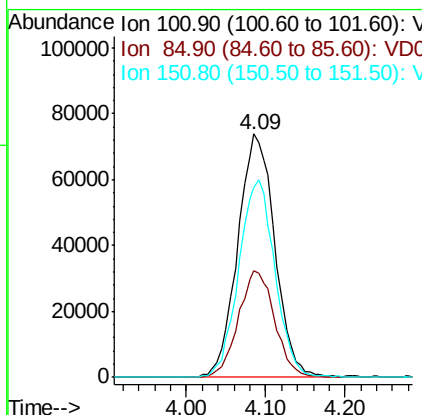
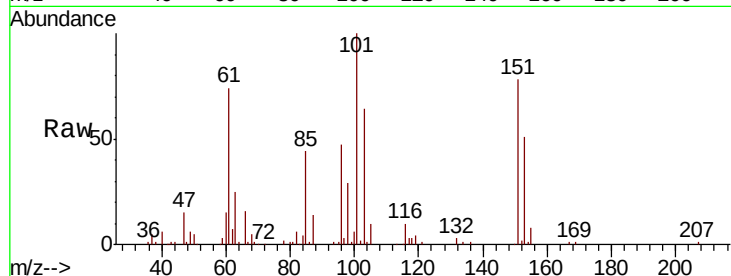
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	239598
Ion Ratio	Lower	Upper	
101	100		
85	42.8	34.0	51.0
151	79.5	64.0	96.0

Manual Integrations
APPROVED

MMDadoda
2/11/2020 6:09:26 PM



#10

Methyl Iodide

Concen: 48.767 ug/l

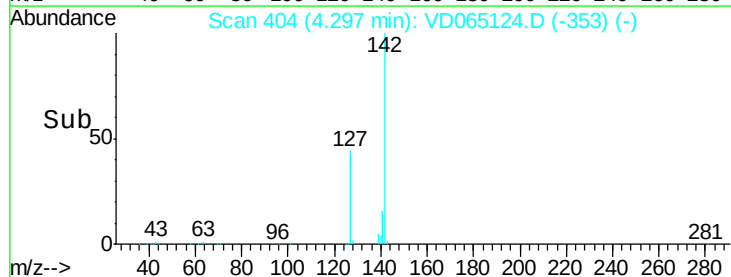
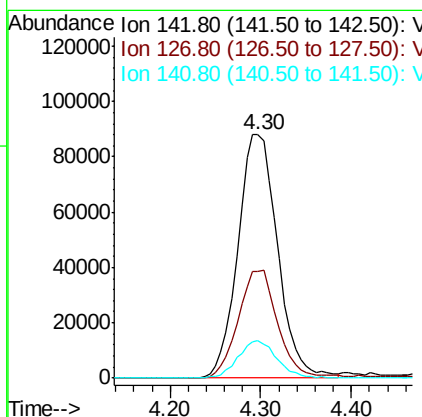
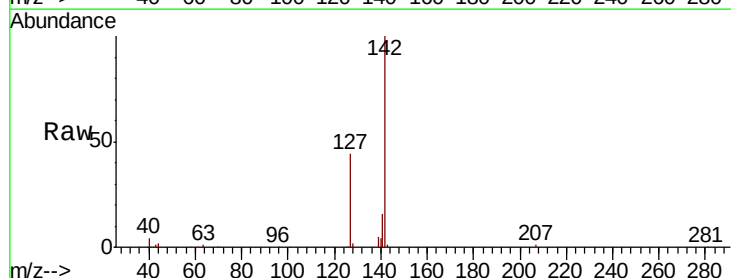
RT: 4.30 min Scan# 404

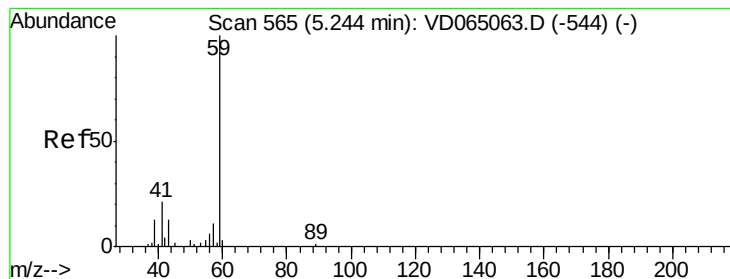
Delta R.T. 0.00 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Tgt Ion:	142	Resp:	268055
Ion Ratio	Lower	Upper	
142	100		
127	43.6	34.0	51.0
141	15.1	11.6	17.4





#11

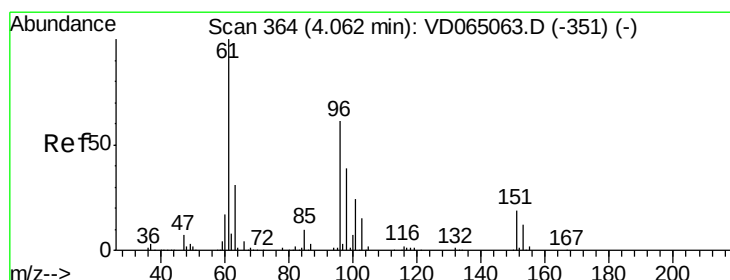
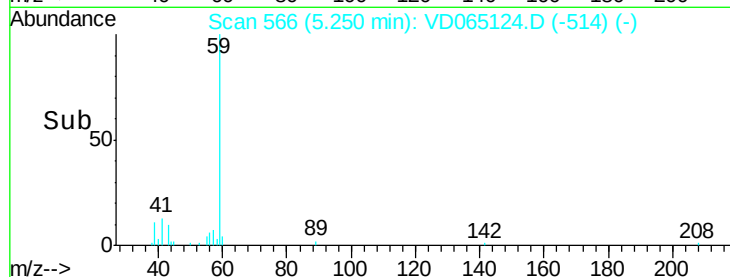
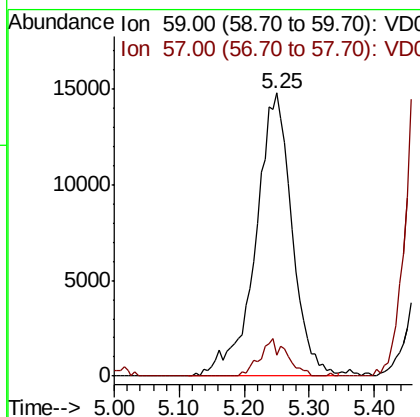
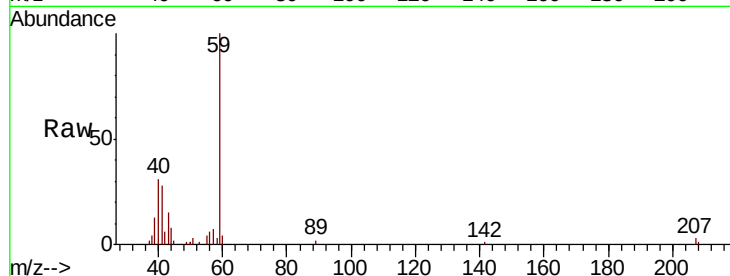
Tert butyl alcohol
Concen: 210.907 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.8	13.2

Manual Integrations
APPROVED

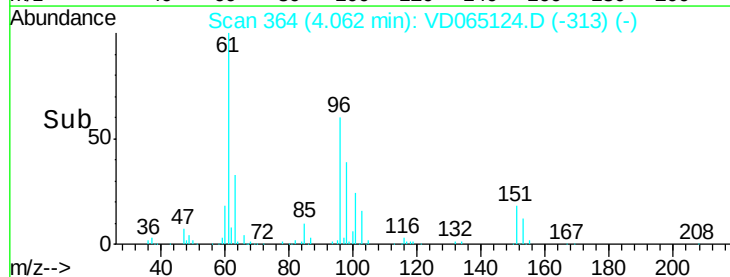
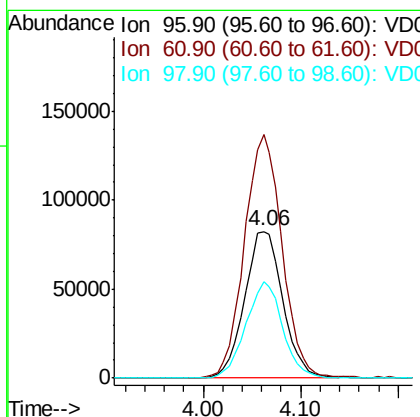
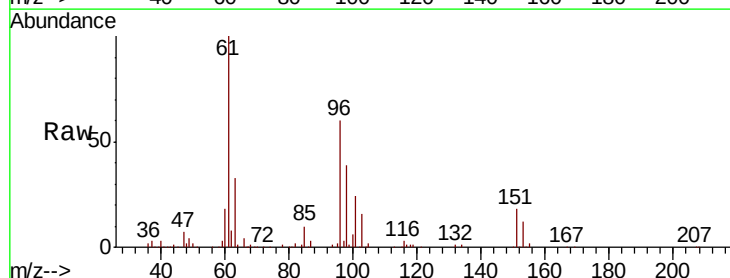
MMDadoda
2/11/2020 6:09:26 PM

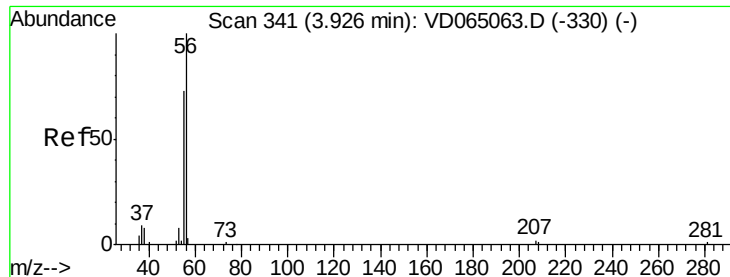


#12

1,1-Dichloroethene
Concen: 48.889 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.0	131.4	197.2
98	65.4	51.1	76.7





#13

Acrolein

Concen: 236.628 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 78969

Ion Ratio Lower Upper

56 100

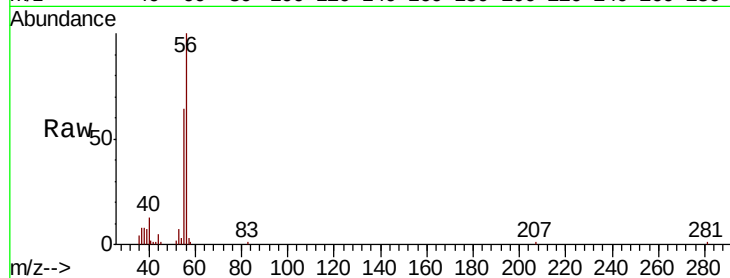
55 70.4 58.2 87.2

Manual Integrations

APPROVED

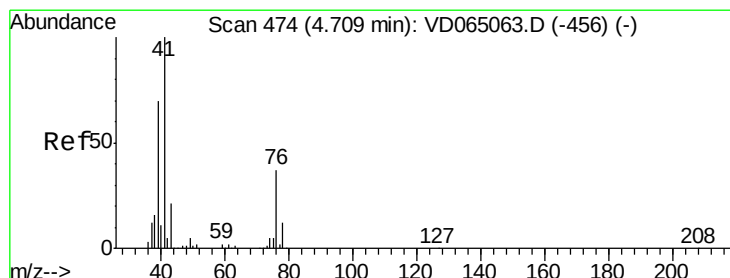
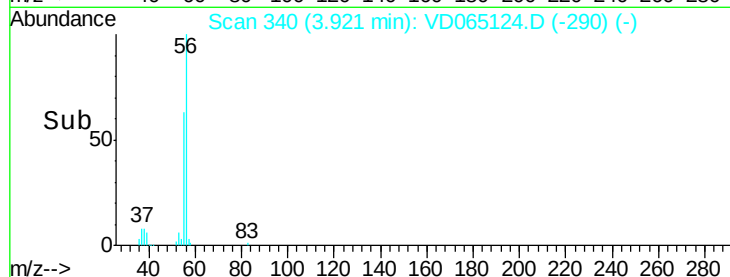
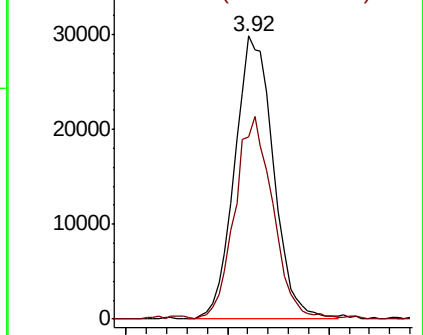
MMDadoda

2/11/2020 6:09:26 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 48.258 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

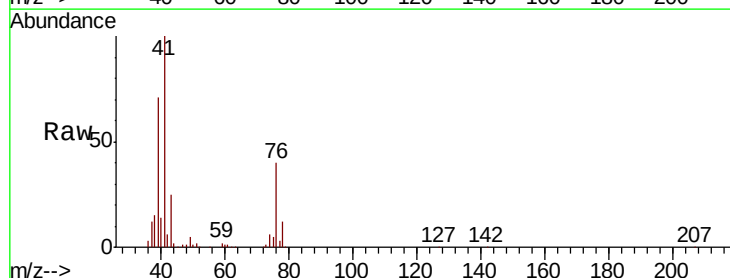
Tgt Ion: 41 Resp: 369917

Ion Ratio Lower Upper

41 100

39 70.3 57.1 85.7

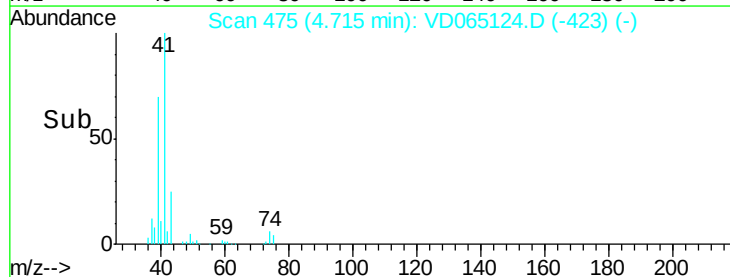
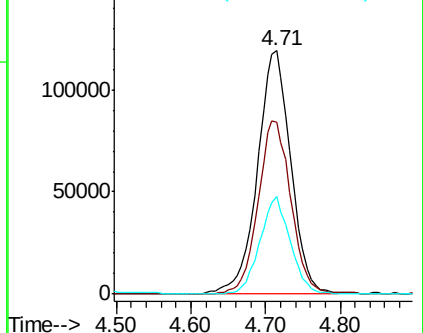
76 36.8 28.0 42.0

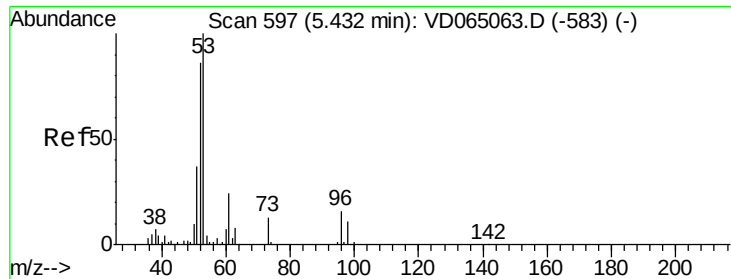


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 236.961 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Instrument :

MSVOA_D

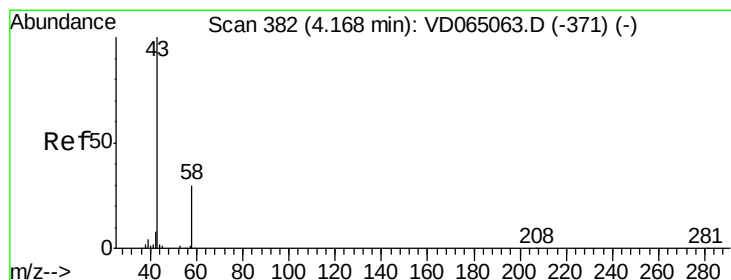
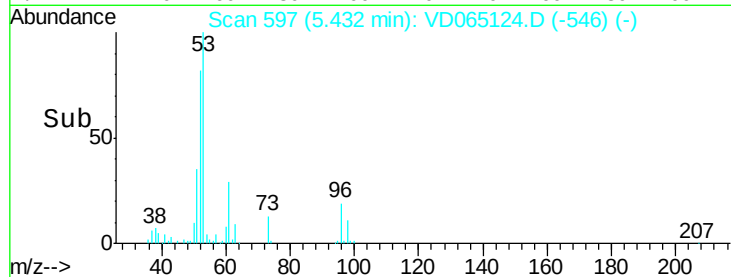
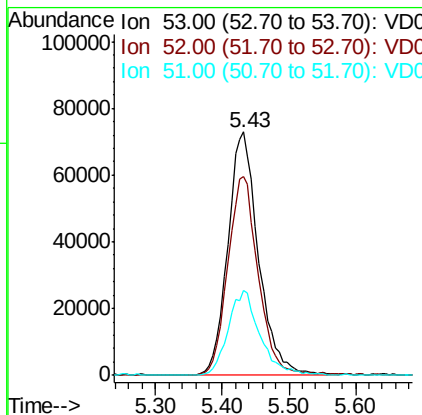
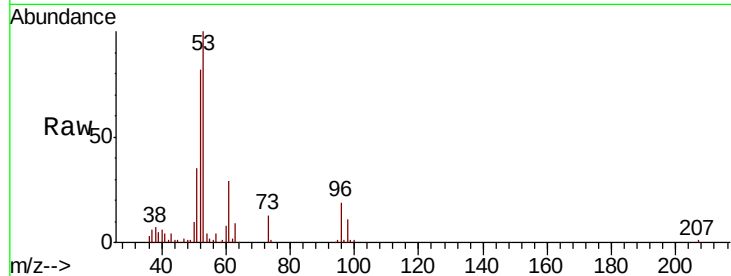
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	234283
Ion Ratio	Lower	Upper	
53	100		
52	81.0	66.2	99.2
51	36.3	30.4	45.6

Manual Integrations
APPROVED

MMDadoda
2/11/2020 6:09:26 PM



#16

Acetone

Concen: 277.443 ug/l

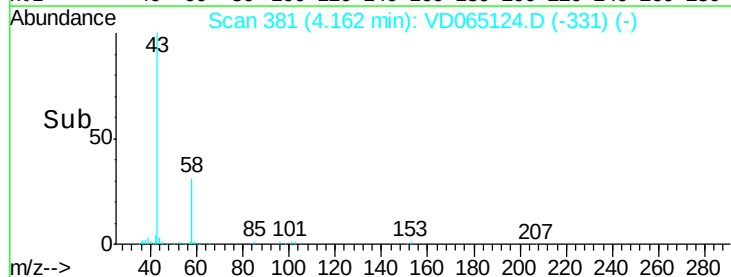
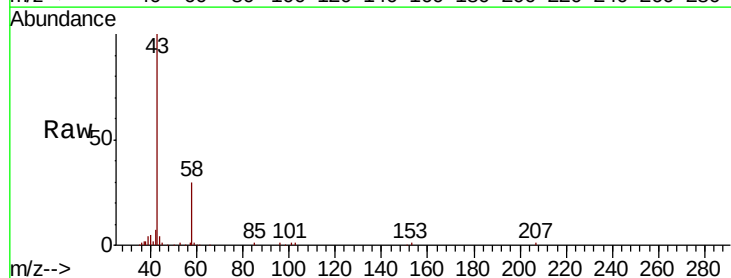
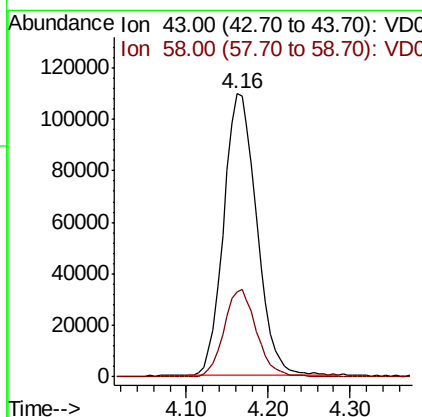
RT: 4.16 min Scan# 381

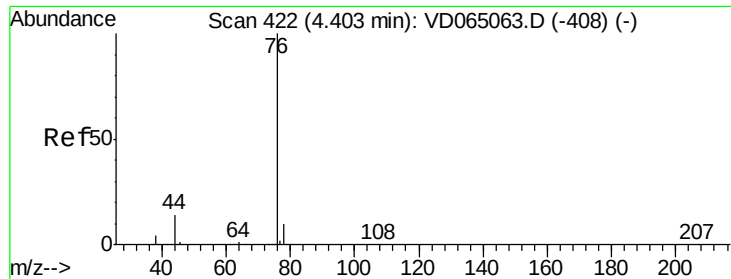
Delta R.T. -0.01 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Tgt Ion:	43	Resp:	308040
Ion Ratio	Lower	Upper	
43	100		
58	30.2	23.5	35.3





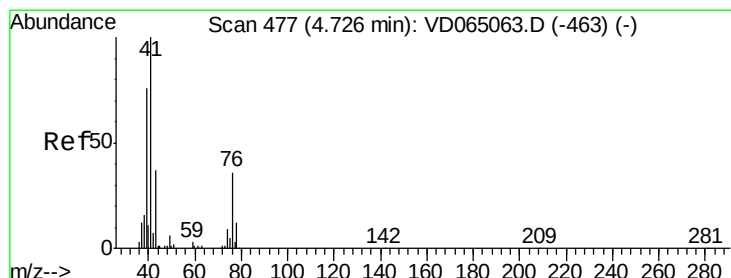
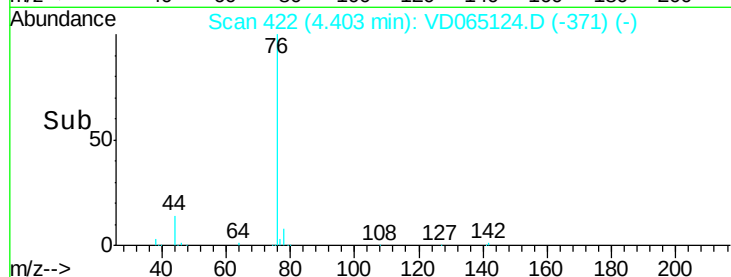
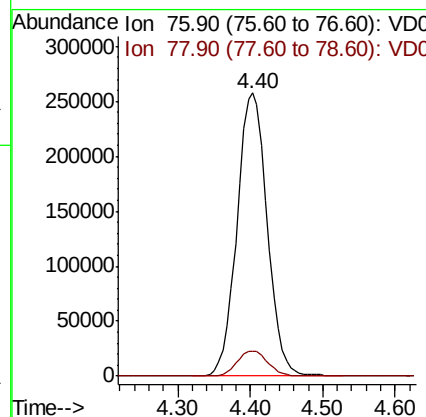
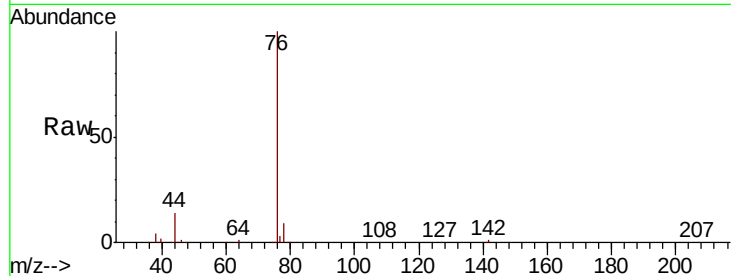
#17
Carbon Disulfide
Concen: 50.257 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.6	11.4

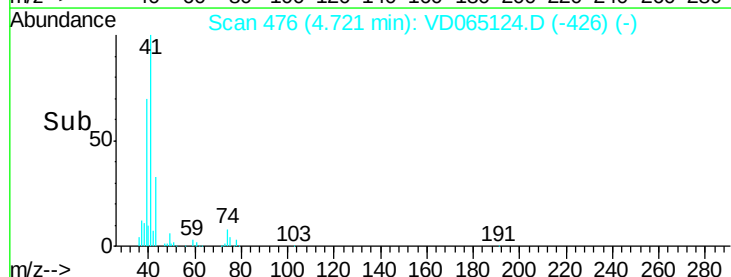
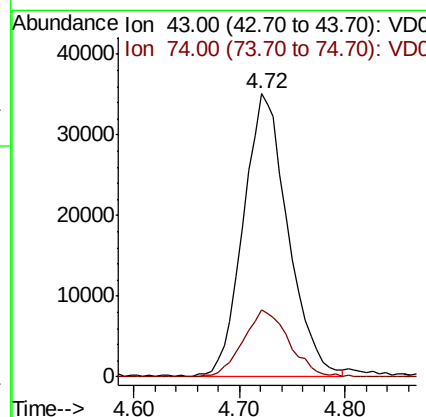
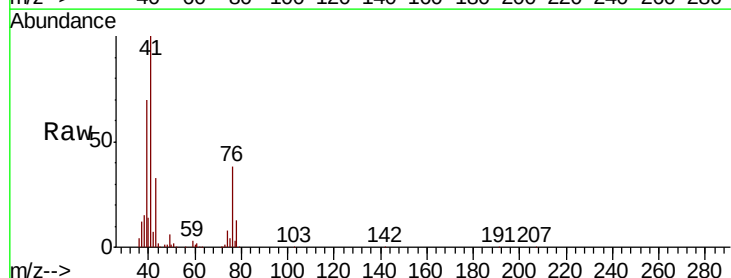
Manual Integrations
APPROVED

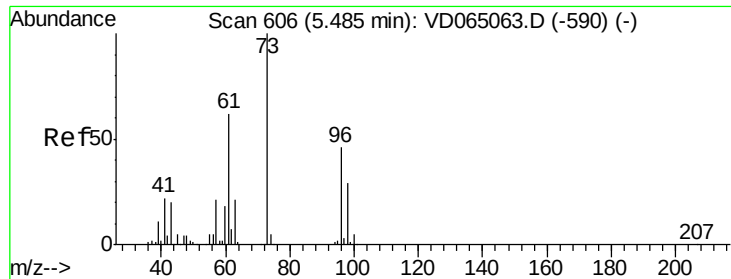
MMDadoda
2/11/2020 6:09:26 PM



#18
Methyl Acetate
Concen: 44.502 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	18.7	28.1





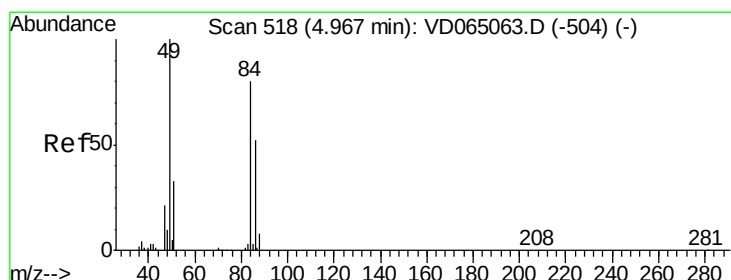
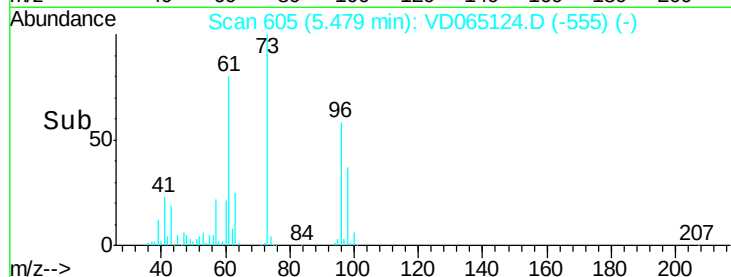
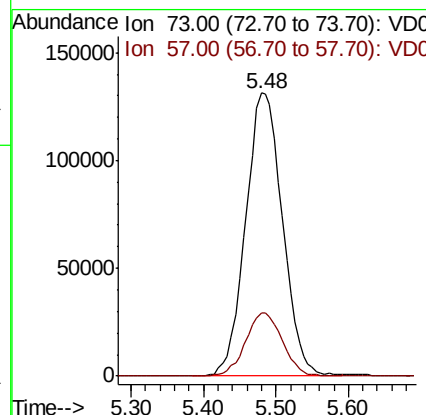
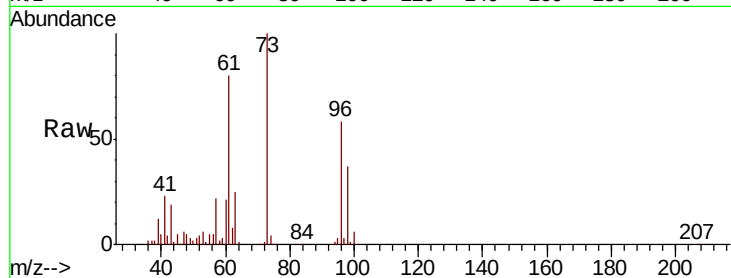
#19
Methyl tert-butyl Ether
Concen: 45.408 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 463120
Ion Ratio Lower Upper
73 100
57 22.2 16.8 25.2

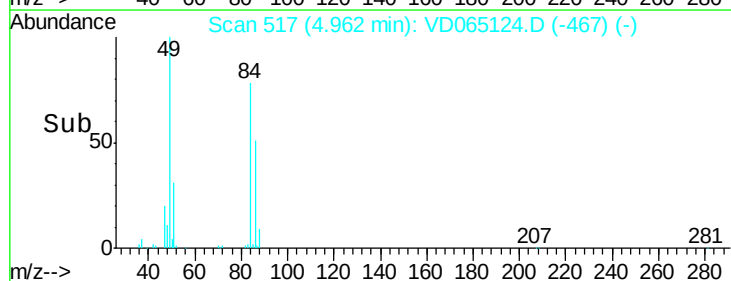
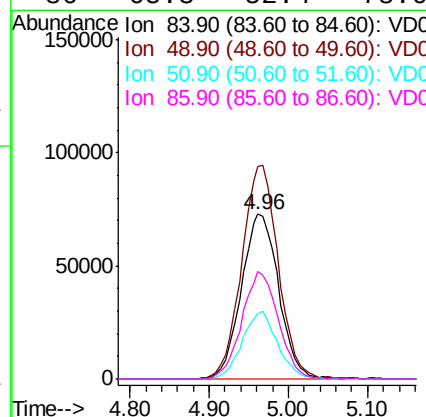
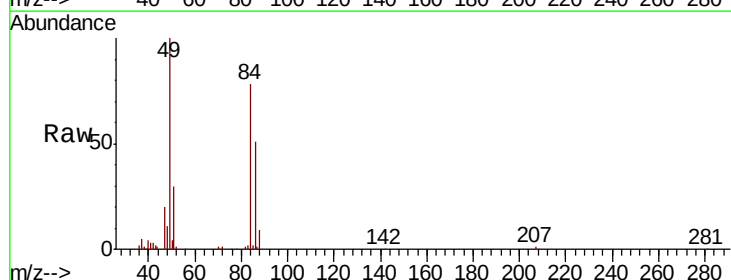
Manual Integrations
APPROVED

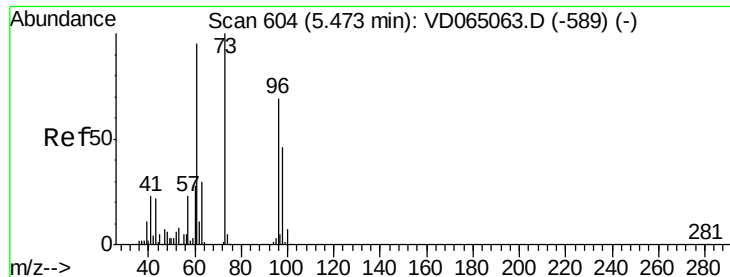
MMDadoda
2/11/2020 6:09:26 PM



#20
Methylene Chloride
Concen: 48.500 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion: 84 Resp: 237682
Ion Ratio Lower Upper
84 100
49 128.9 100.4 150.6
51 39.2 32.7 49.1
86 65.3 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 48.585 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Instrument :

MSVOA_D

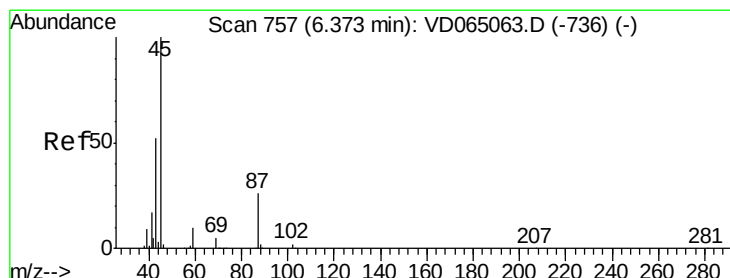
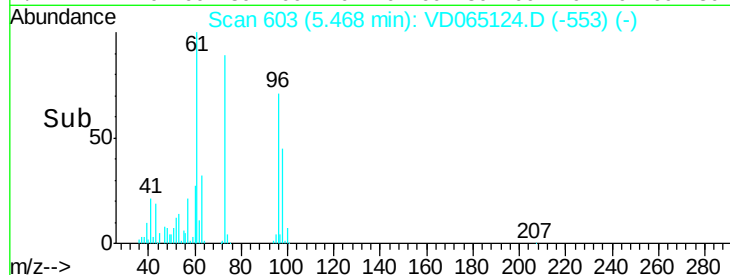
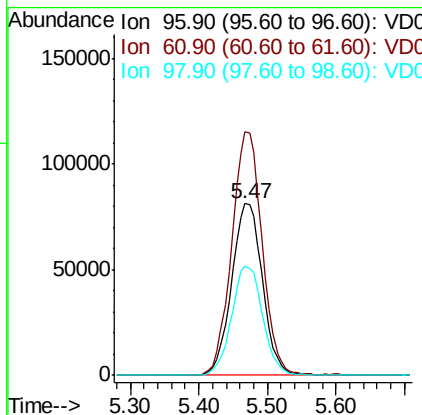
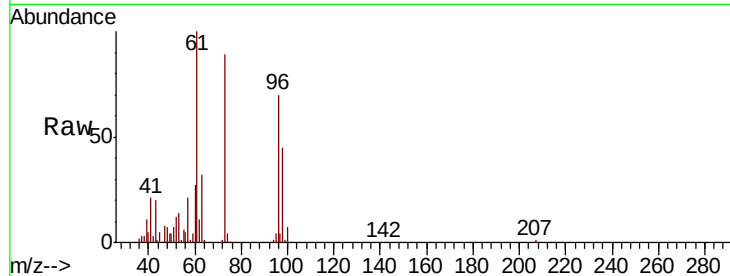
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	253528
Ion	Ratio	Lower	Upper
96	100		
61	142.1	109.5	164.3
98	63.6	53.7	80.5

Manual Integrations
APPROVED

MMDadoda
2/11/2020 6:09:26 PM



#22

Diisopropyl ether

Concen: 49.422 ug/l

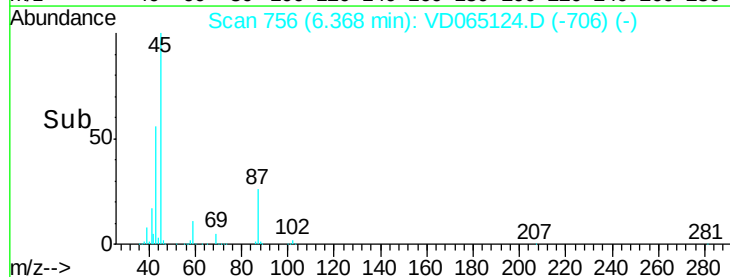
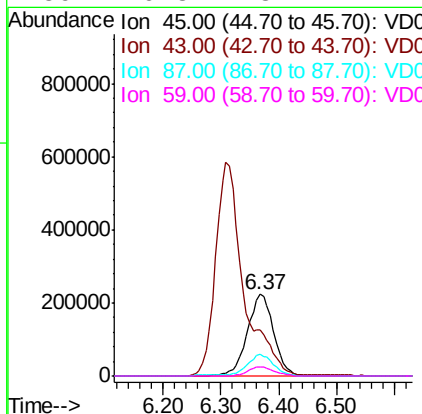
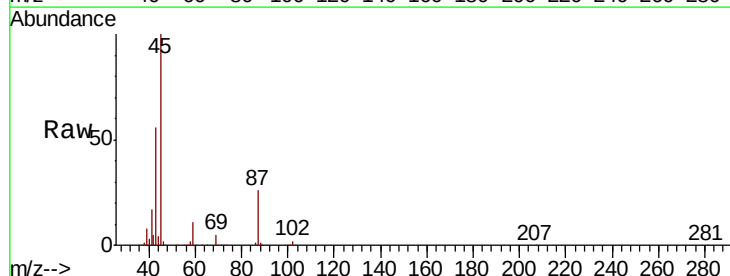
RT: 6.37 min Scan# 756

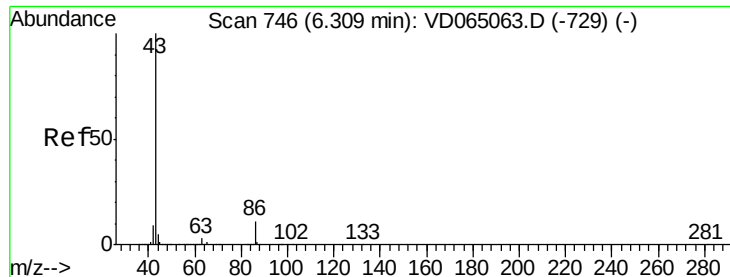
Delta R.T. -0.01 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Tgt Ion:	45	Resp:	714581
Ion	Ratio	Lower	Upper
45	100		
43	55.3	41.3	61.9
87	26.2	21.0	31.6
59	10.8	8.2	12.4





#23

Vinyl Acetate

Concen: 244.299 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1968823

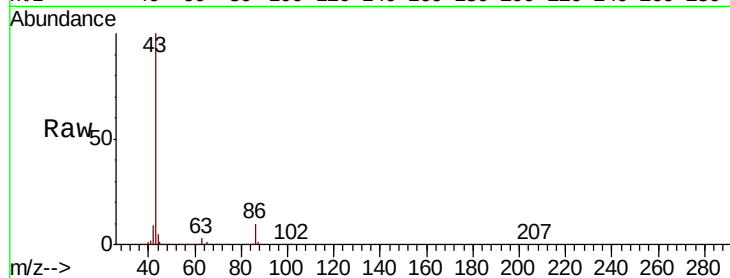
Ion Ratio Lower Upper

43 100

86 10.5 8.5 12.7

Manual Integrations
APPROVED

MMDadoda
2/11/2020 6:09:26 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

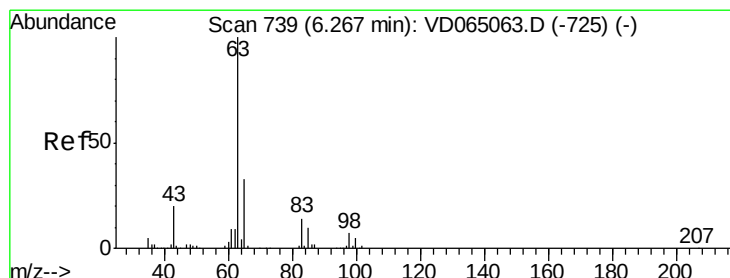
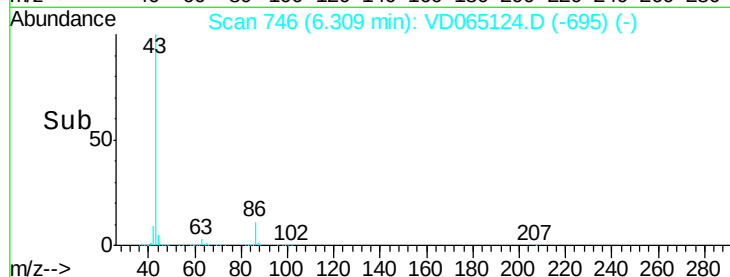
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.251 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

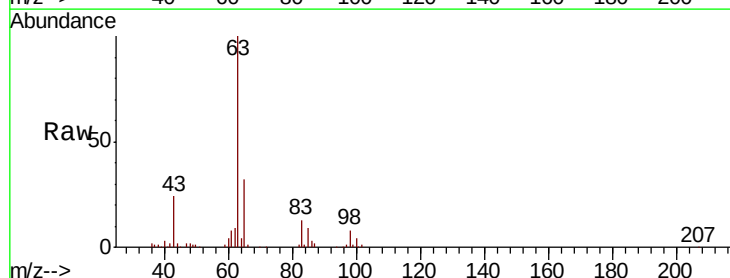
Tgt Ion: 63 Resp: 431026

Ion Ratio Lower Upper

63 100

98 7.8 3.5 10.4

100 4.5 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

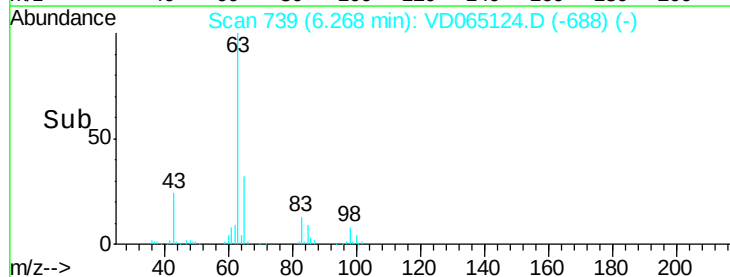
150000

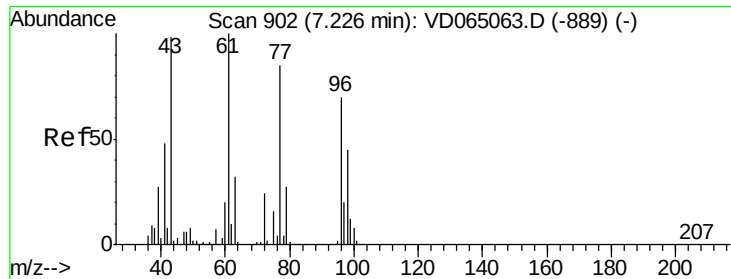
100000

50000

0

Time-->





#25

2-Butanone

Concen: 249.025 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 329809

Ion Ratio Lower Upper

43 100

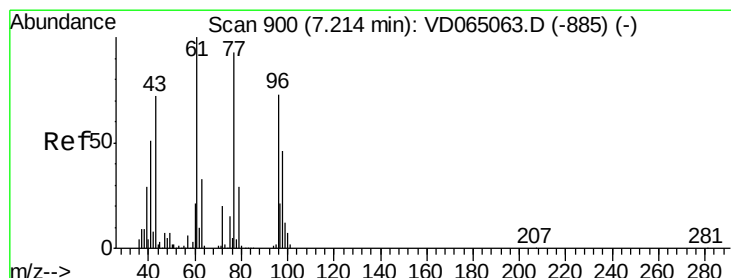
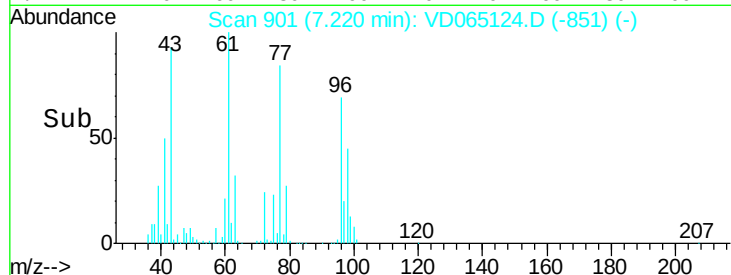
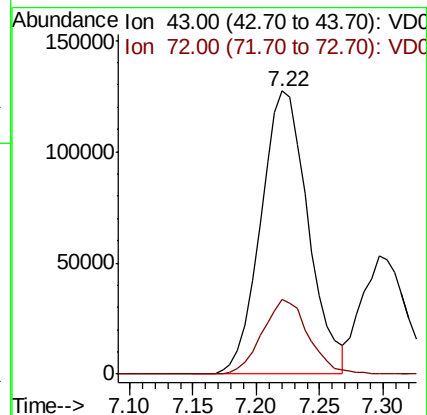
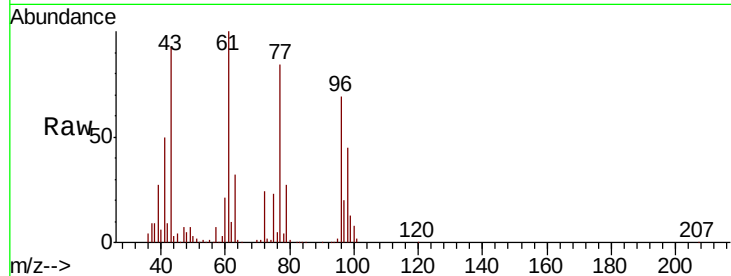
72 26.3 19.9 29.9

Manual Integrations

APPROVED

MMDadoda

2/11/2020 6:09:26 PM



#26

2,2-Dichloropropane

Concen: 49.973 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065124.D

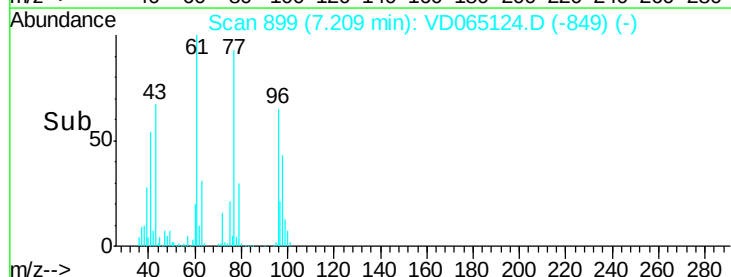
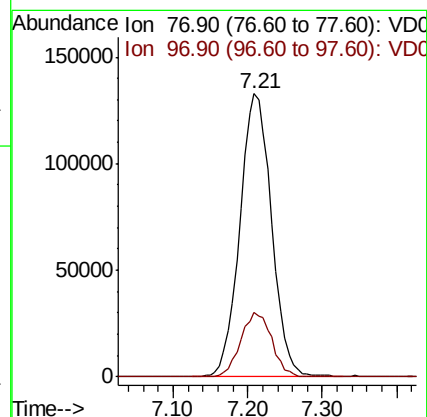
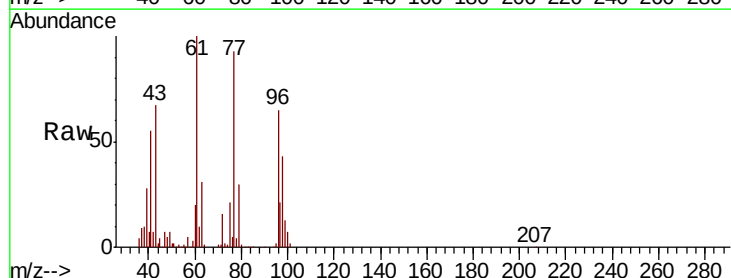
Acq: 10 Feb 2020 10:41

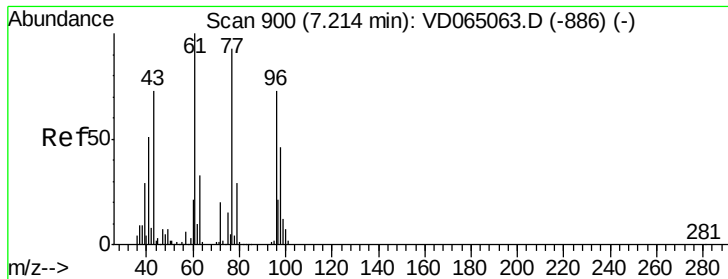
Tgt Ion: 77 Resp: 392006

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.6





#27

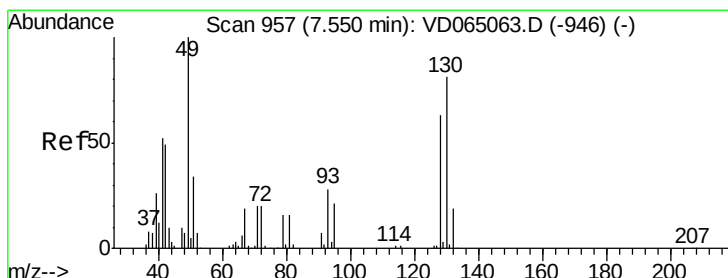
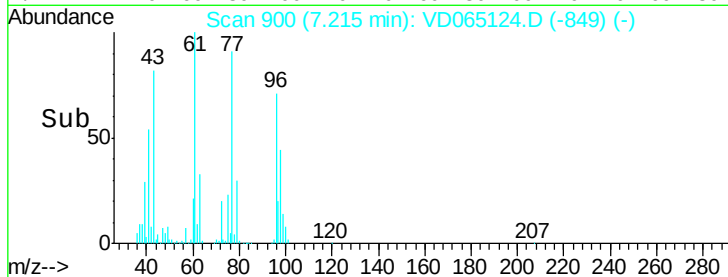
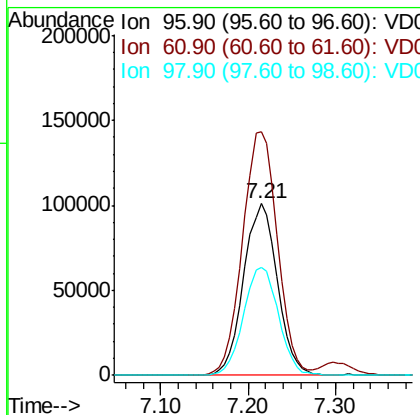
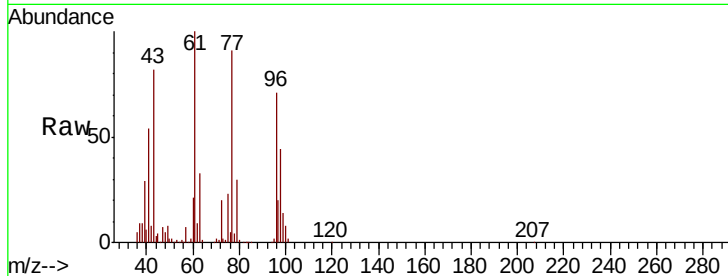
cis-1,2-Dichloroethene
 Concen: 48.006 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	266127		
61	146.1	0.0	292.8	
98	65.0	0.0	128.8	

Manual Integrations
 APPROVED

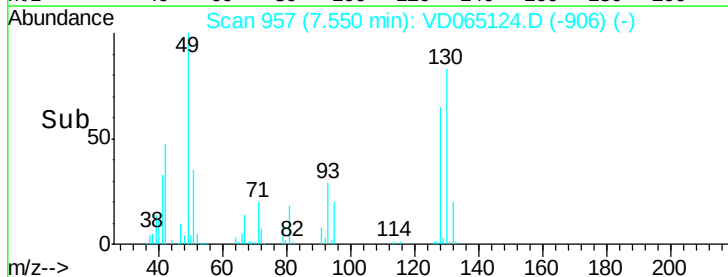
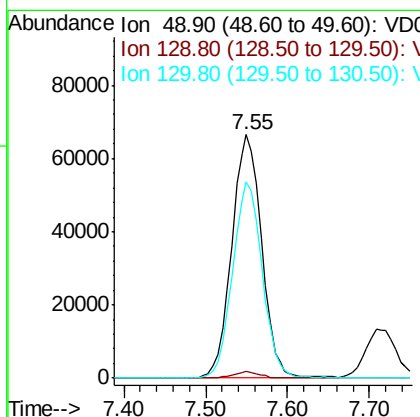
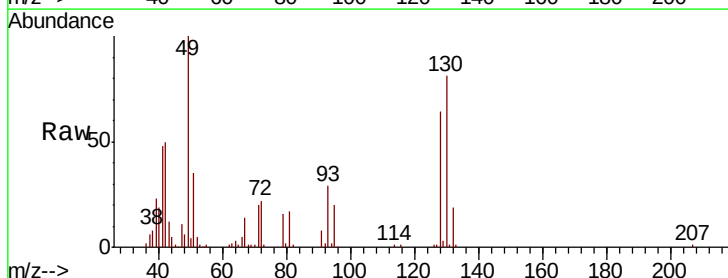
MMDadoda
 2/11/2020 6:09:26 PM

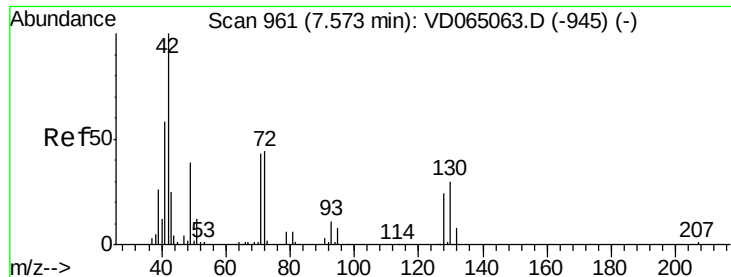


#28

Bromochloromethane
 Concen: 50.935 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	168977		
129	2.4	0.0	4.4	
130	79.9	63.8	95.8	





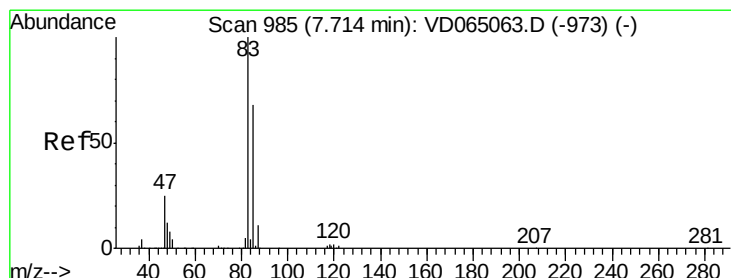
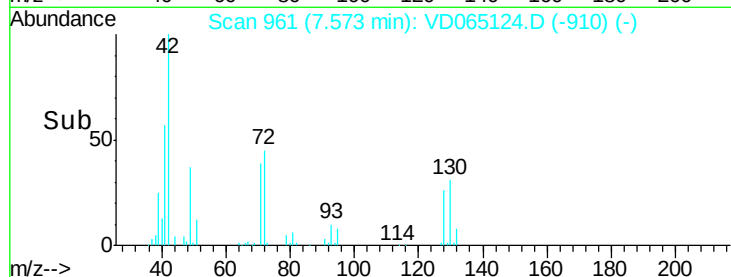
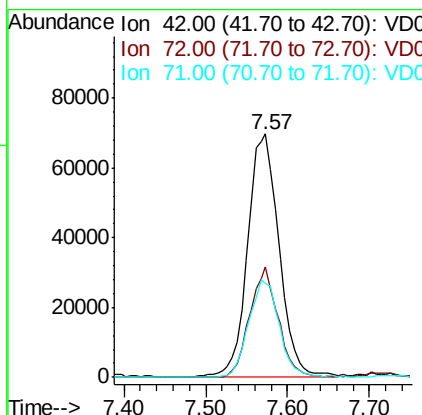
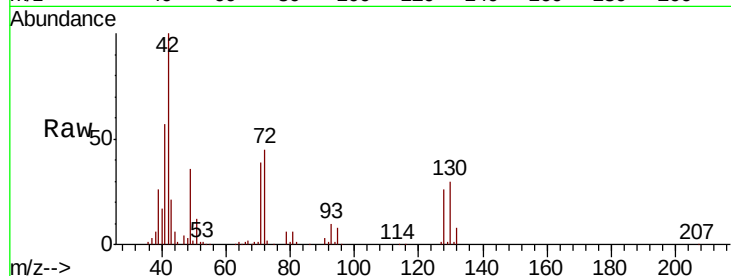
#29
Tetrahydrofuran
Concen: 234.060 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.0	34.2	51.4
71	38.6	31.8	47.6

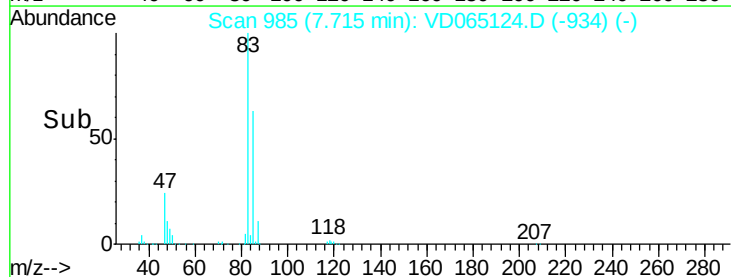
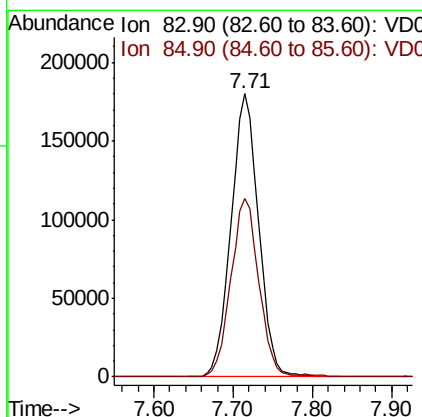
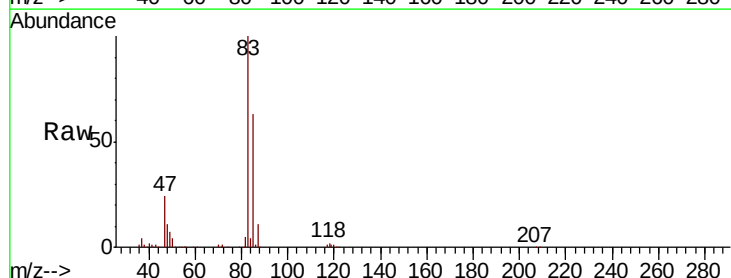
Manual Integrations
APPROVED

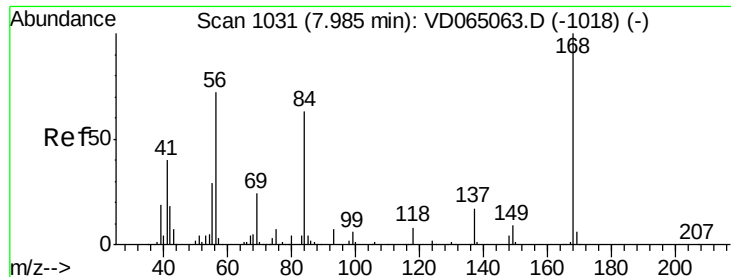
MMDadoda
2/11/2020 6:09:26 PM



#30
Chloroform
Concen: 49.634 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.1	54.2	81.4





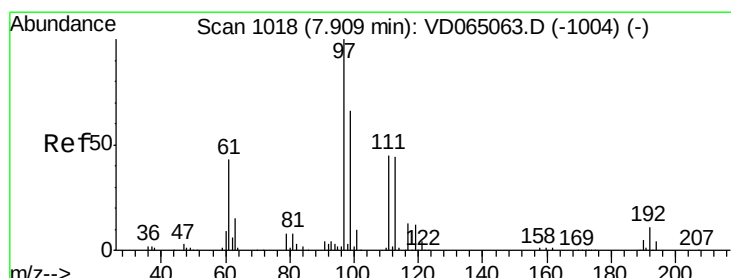
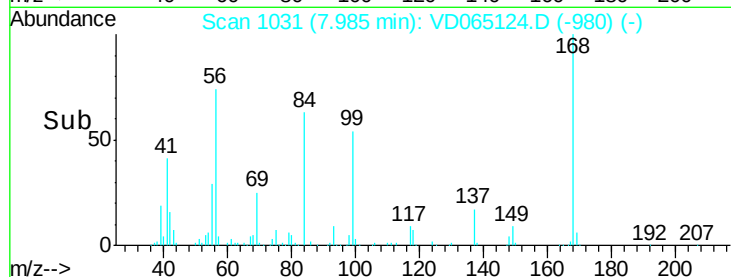
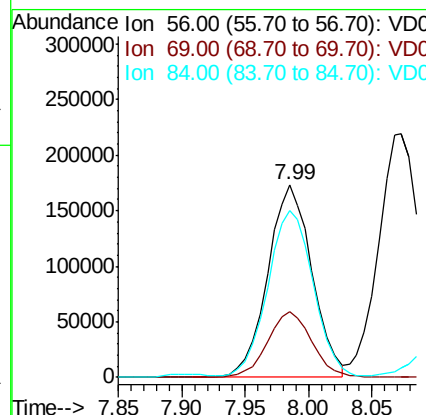
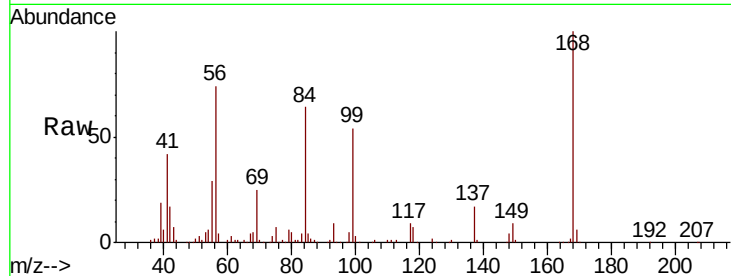
#31
Cyclohexane
Concen: 47.512 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	26.6	40.0
84	85.3	70.6	106.0

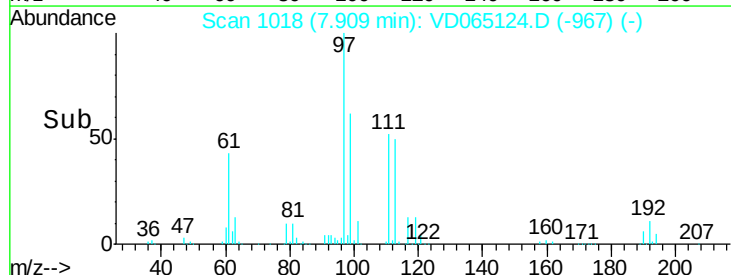
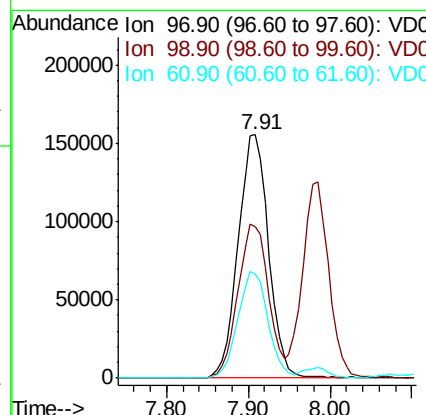
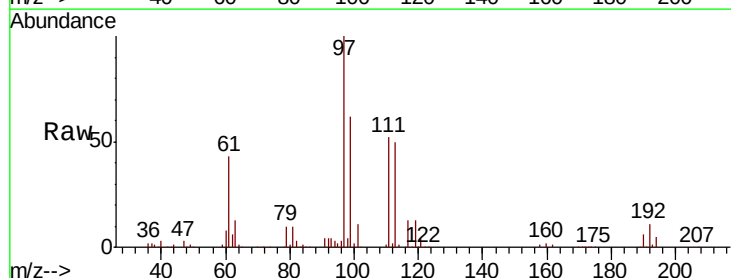
Manual Integrations
APPROVED

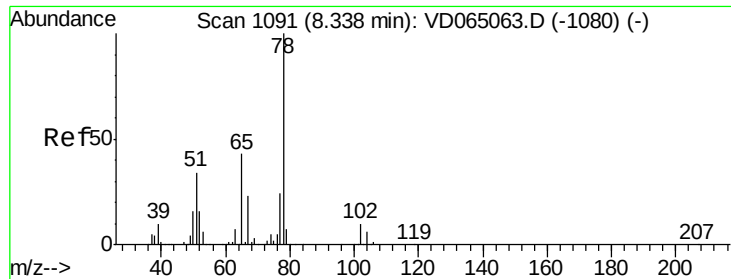
MMDadoda
2/11/2020 6:09:26 PM



#32
1,1,1-Trichloroethane
Concen: 49.643 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.5	77.3
61	43.4	34.8	52.2





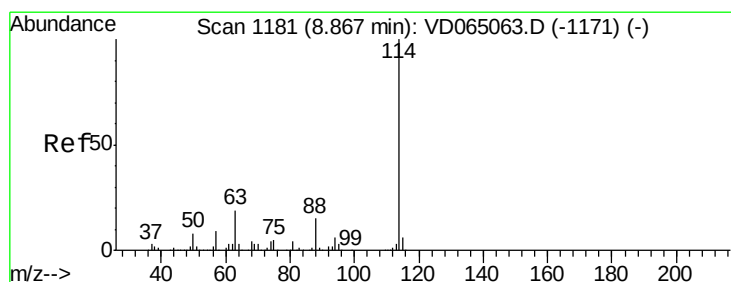
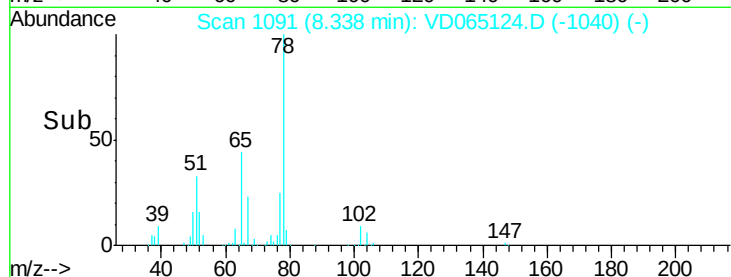
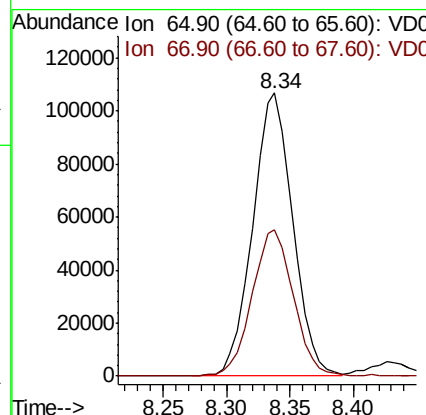
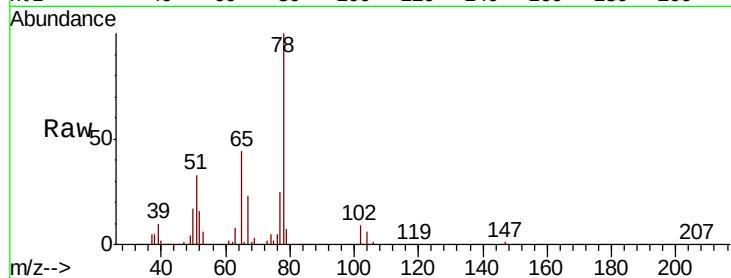
#33
 1,2-Dichloroethane-d4
 Concen: 52.829 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	234605		
67	53.4	0.0	105.8	

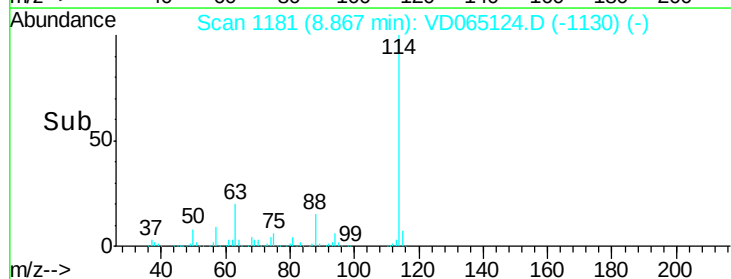
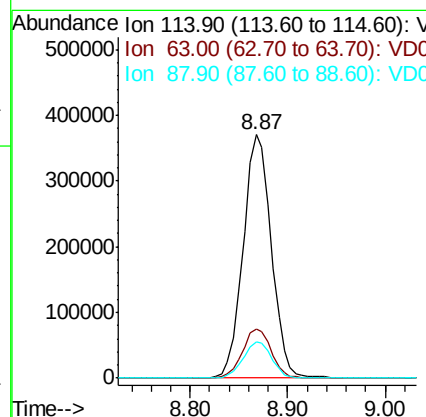
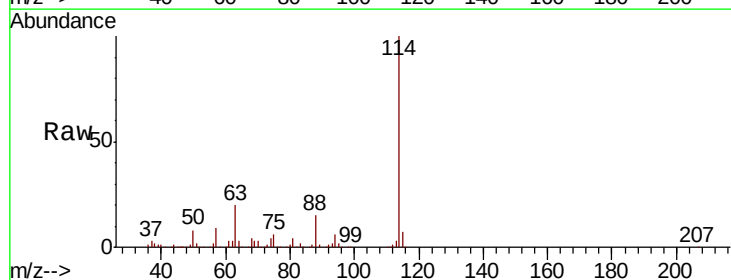
Manual Integrations
 APPROVED

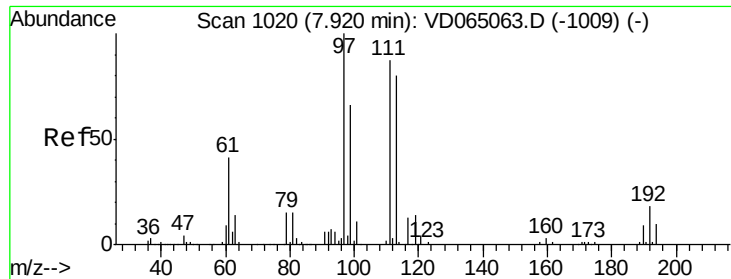
MMDadoda
 2/11/2020 6:09:26 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	742678		
63	20.2	0.0	38.8	
88	14.8	0.0	29.6	





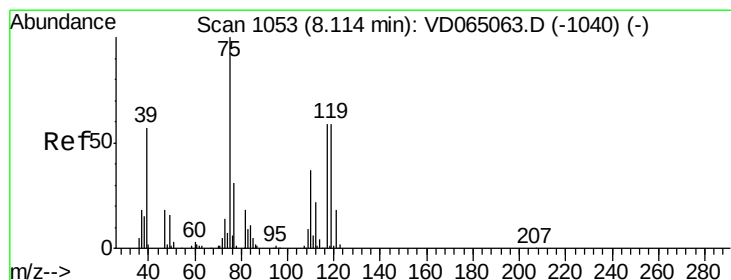
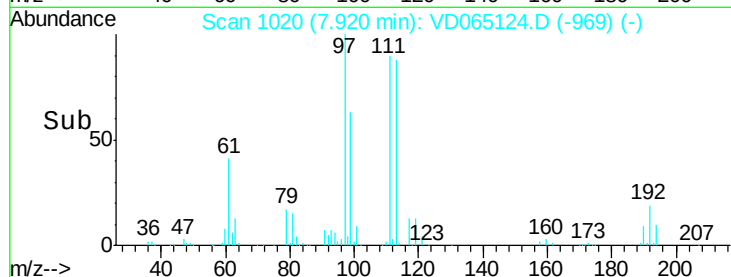
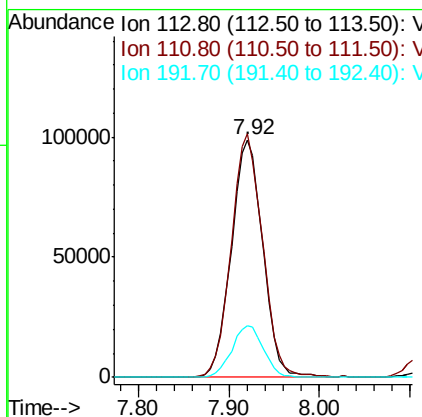
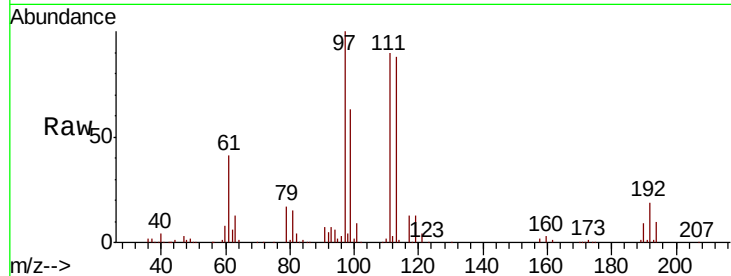
#35
 Dibromofluoromethane
 Concen: 57.616 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	238741		
111	102.2	83.1	124.7	
192	21.9	18.1	27.1	

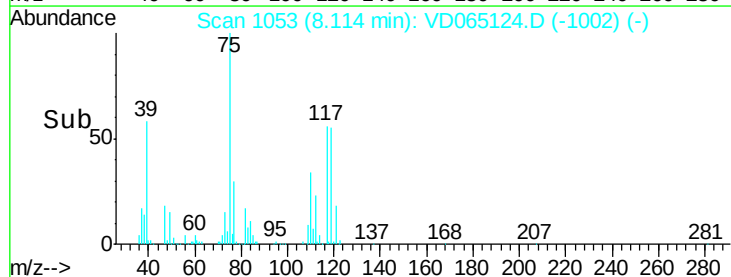
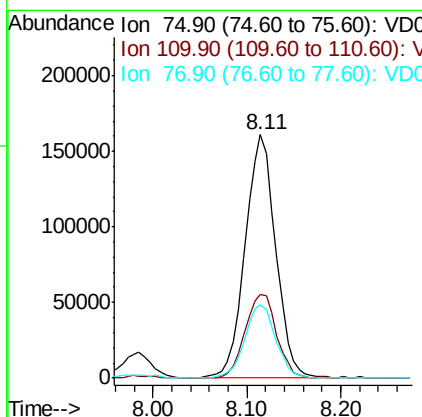
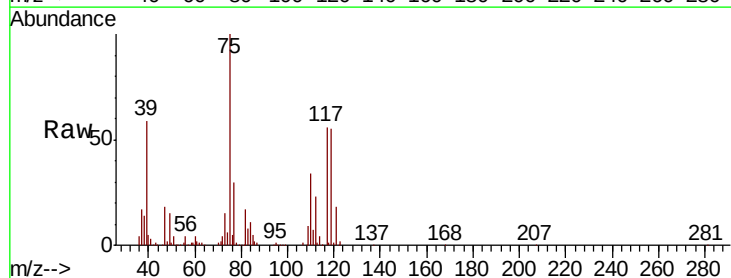
Manual Integrations
 APPROVED

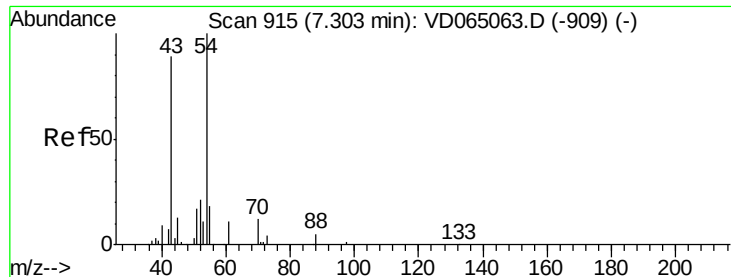
MMDadoda
 2/11/2020 6:09:26 PM



#36
 1,1-Dichloropropene
 Concen: 52.159 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	360202		
110	35.7	18.1	54.3	
77	30.9	24.7	37.1	





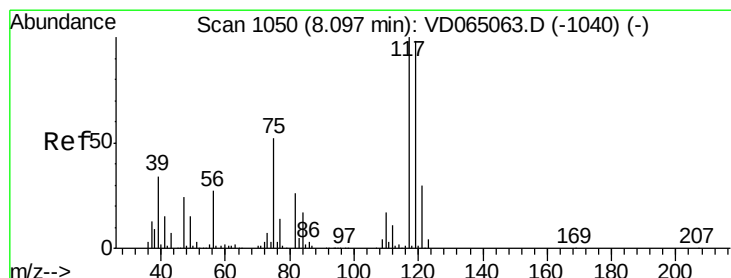
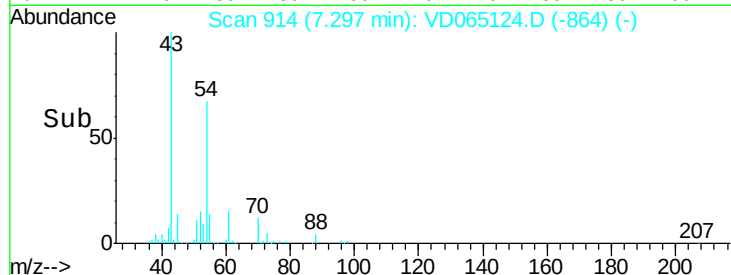
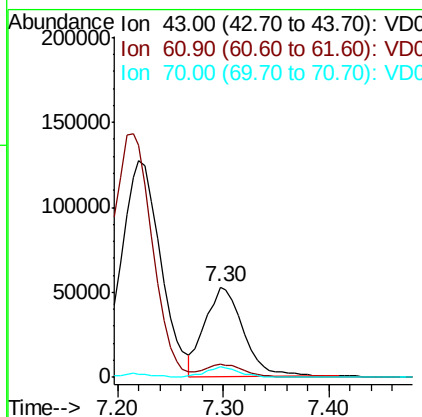
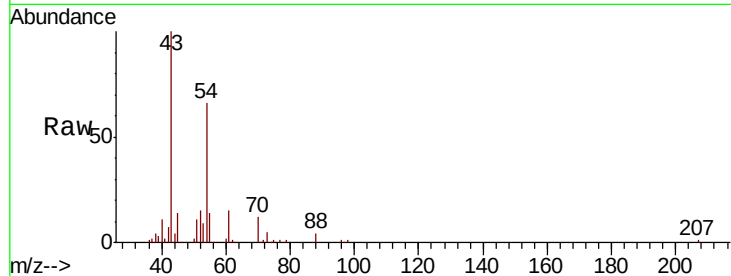
#37
Ethyl Acetate
Concen: 47.116 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	132927
Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	10.2	8.2	12.2

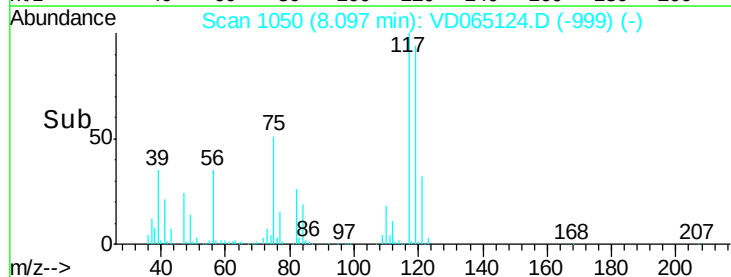
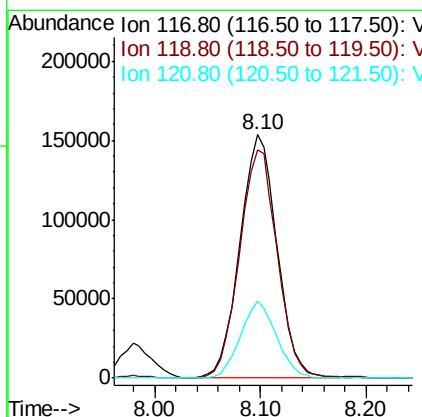
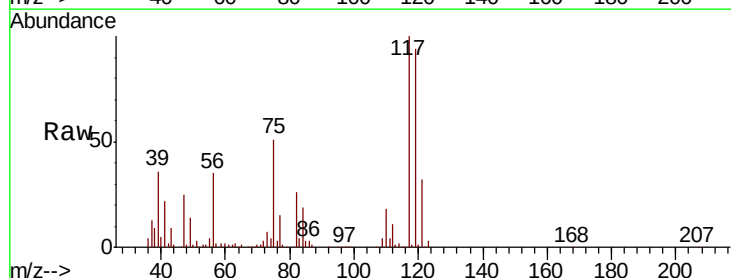
Manual Integrations
APPROVED

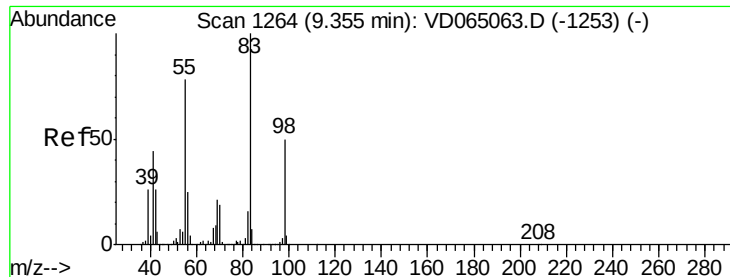
MMDadoda
2/11/2020 6:09:26 PM



#38
Carbon Tetrachloride
Concen: 52.799 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion:	117	Resp:	372396
Ion	Ratio	Lower	Upper
117	100		
119	93.7	78.5	117.7
121	31.8	23.8	35.6





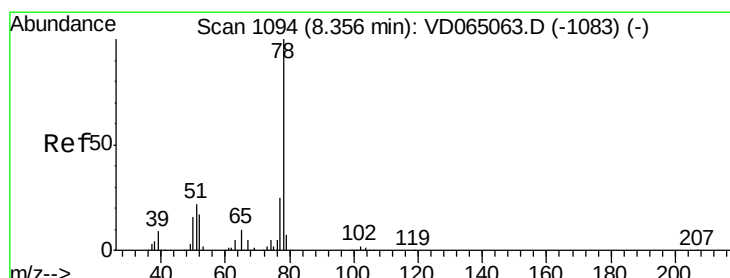
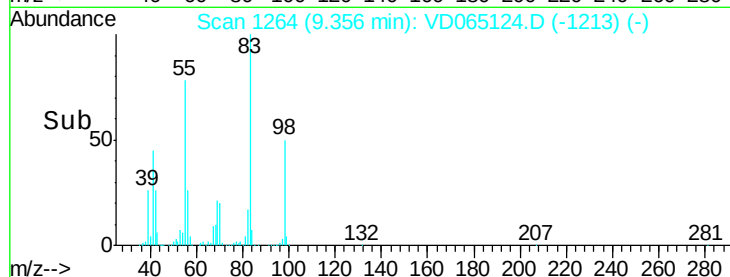
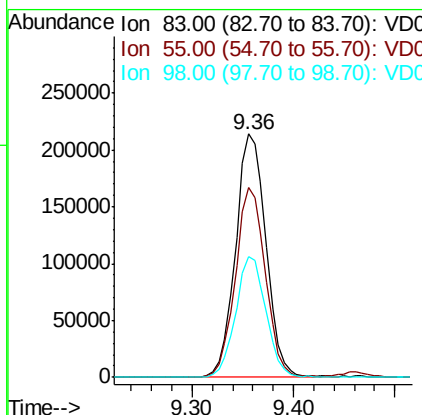
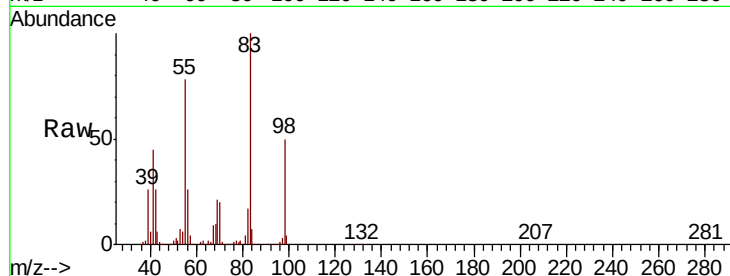
#39
Methylvlcyclohexane
Concen: 52.180 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83.00	Resp	444782
Ion Ratio	Lower	Upper	
83	100		
55	78.2	62.0	93.0
98	49.8	39.9	59.9

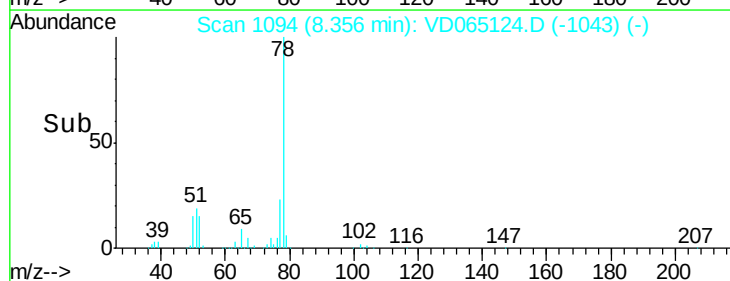
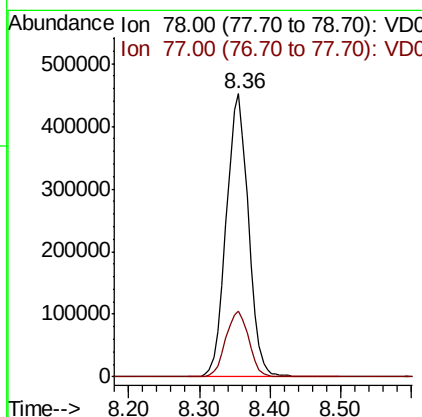
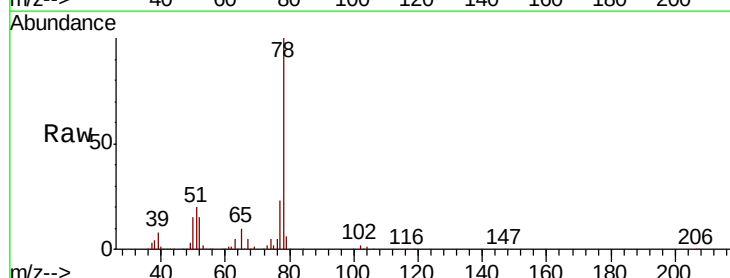
Manual Integrations
APPROVED

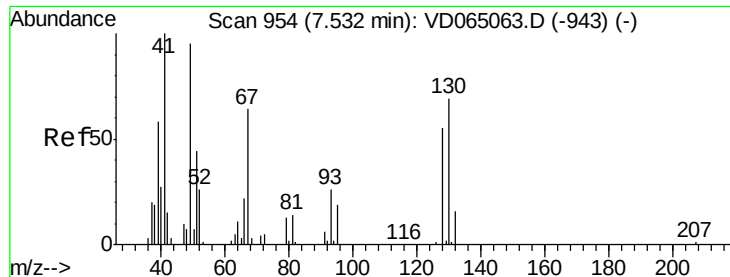
MMDadoda
2/11/2020 6:09:26 PM



#40
Benzene
Concen: 51.846 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion	78.00	Resp	988720
Ion Ratio	Lower	Upper	
78	100		
77	23.4	19.6	29.4





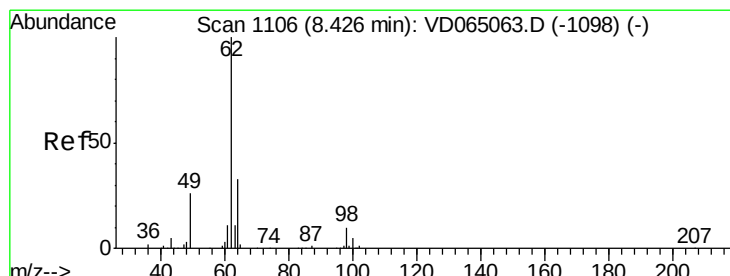
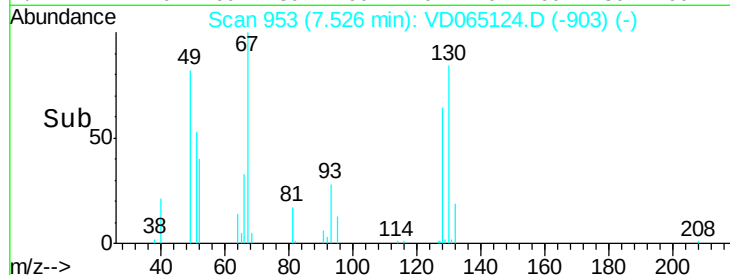
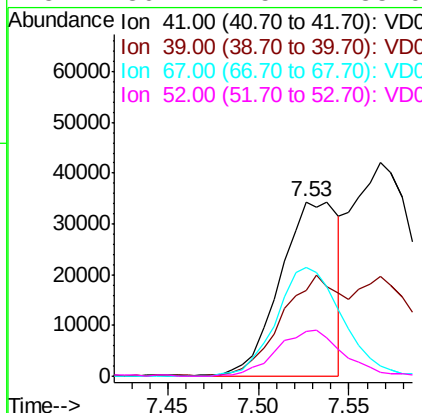
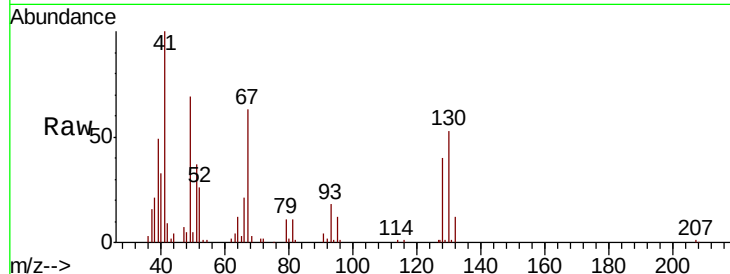
#41
Methacrylonitrile
Concen: 49.543 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	77004
Ion	Ratio	Lower	Upper
41	100		
39	60.8	55.4	83.0
67	71.2	59.0	88.6
52	30.4	25.4	38.0

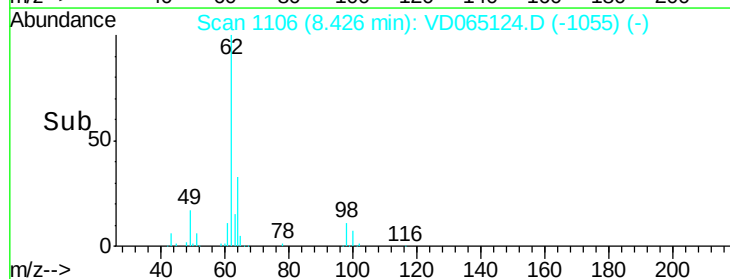
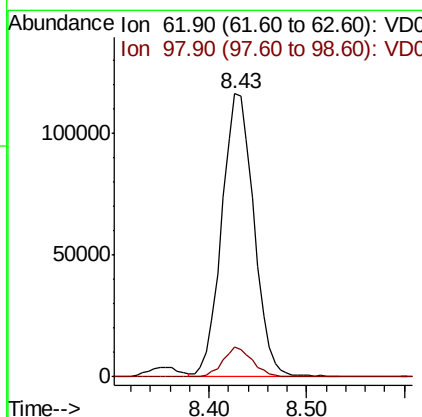
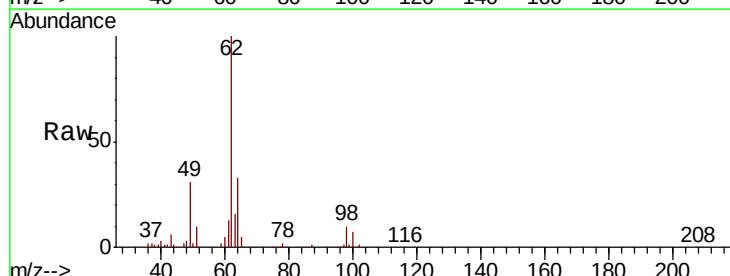
Manual Integrations
APPROVED

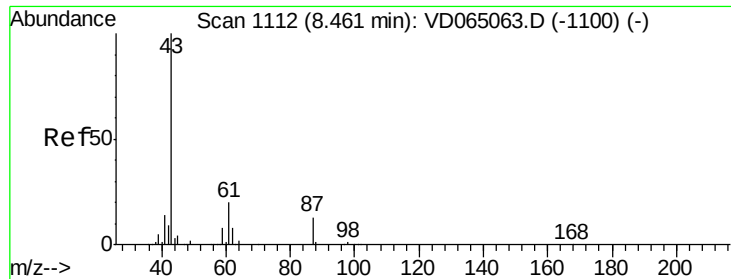
MMDadoda
2/11/2020 6:09:26 PM



#42
1,2-Dichloroethane
Concen: 48.583 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion	62	Resp	263989
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.6





#43

Isopropyl Acetate

Concen: 46.218 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Instrument :

MSVOA_D

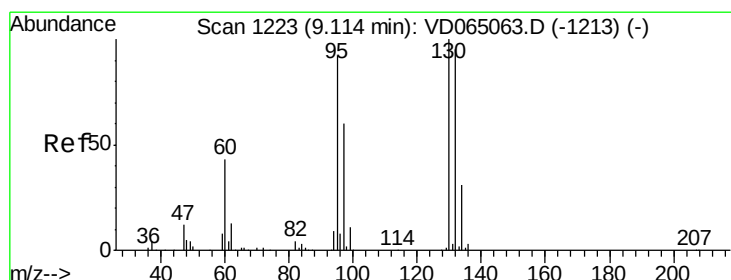
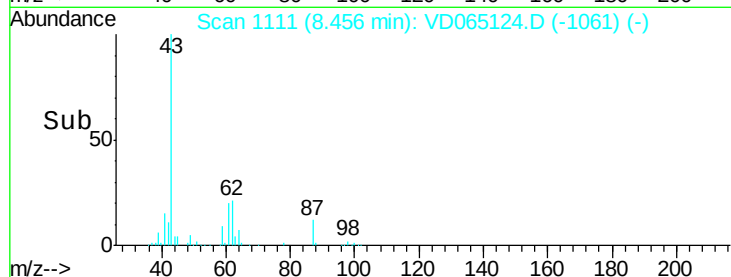
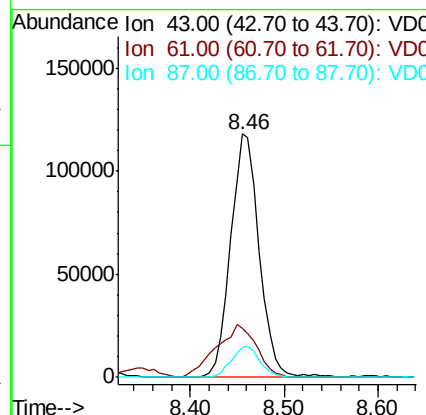
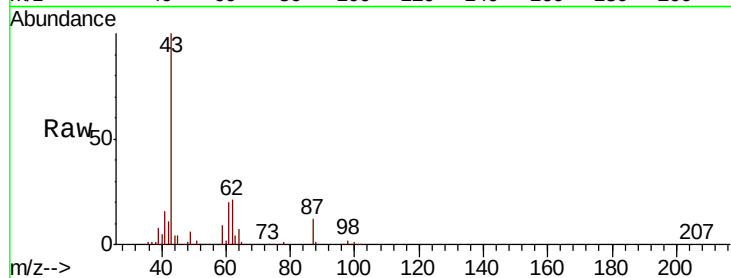
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	249430
Ion	Ratio	Lower	Upper
43	100		
61	30.0	24.0	36.0
87	12.8	10.2	15.4

Manual Integrations
APPROVED

MMDadoda
2/11/2020 6:09:26 PM



#44

Trichloroethene

Concen: 49.805 ug/l

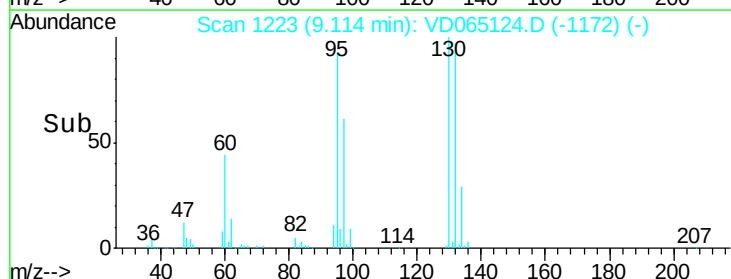
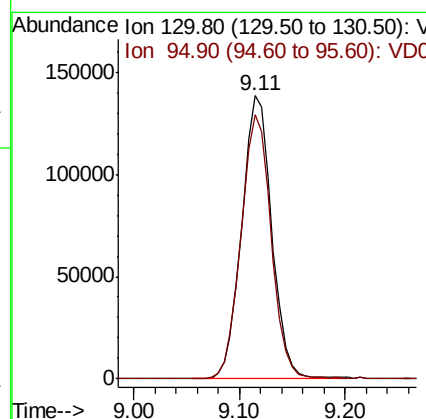
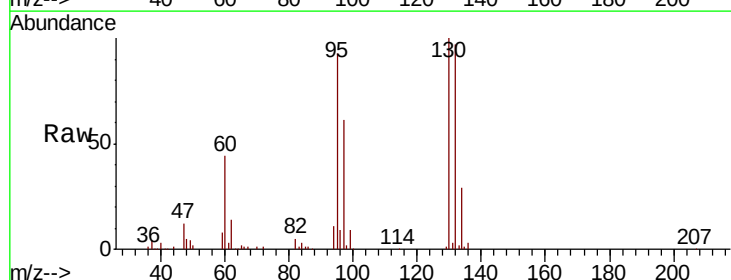
RT: 9.11 min Scan# 1223

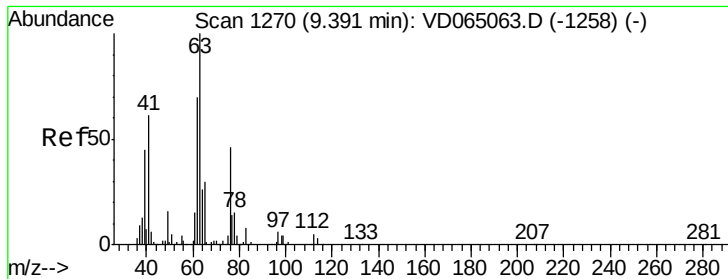
Delta R.T. 0.00 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Tgt Ion:	130	Resp:	272623
Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	185.0





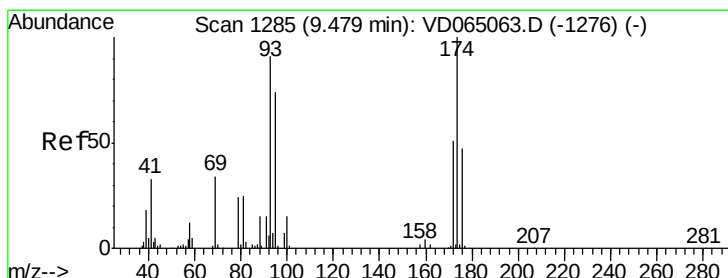
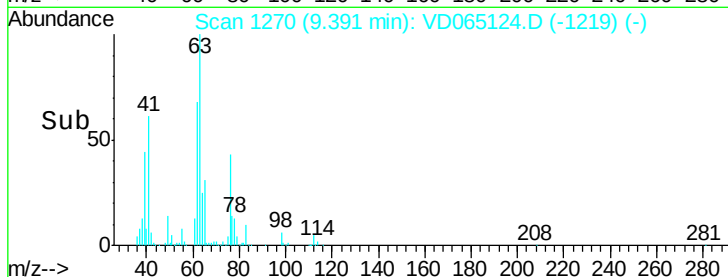
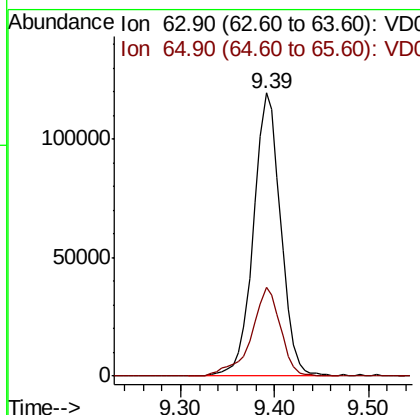
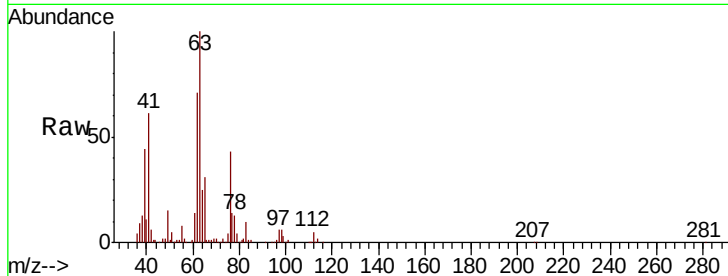
#45
 1,2-Dichloropropane
 Concen: 52.452 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	23.9	35.9

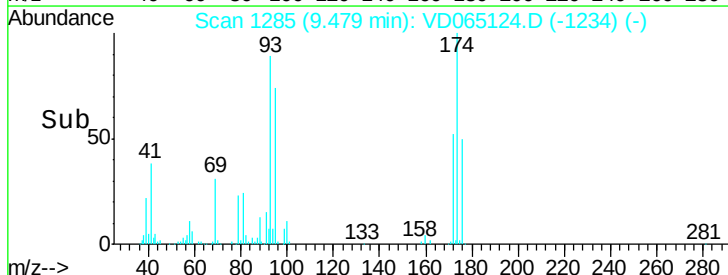
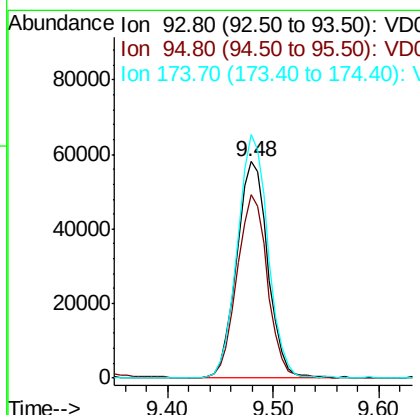
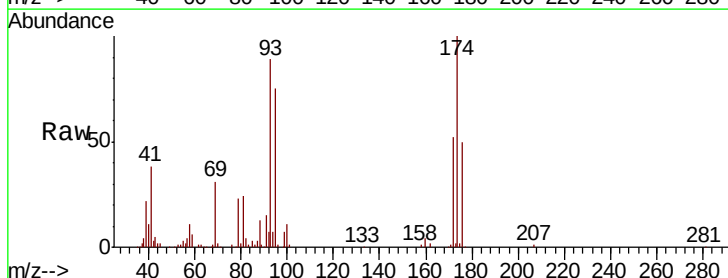
Manual Integrations
 APPROVED

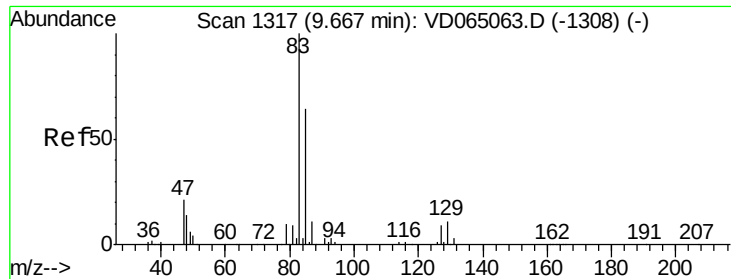
MMDadoda
 2/11/2020 6:09:26 PM



#46
 Dibromomethane
 Concen: 49.482 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	66.5	99.7
174	109.9	89.8	134.8





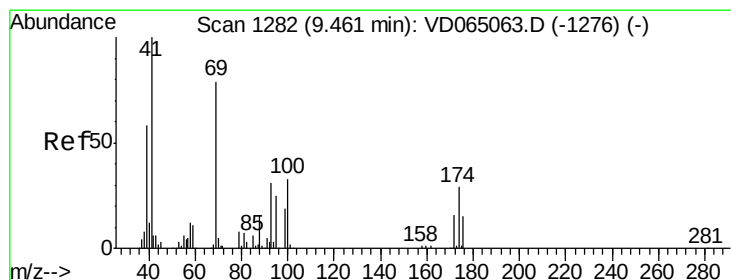
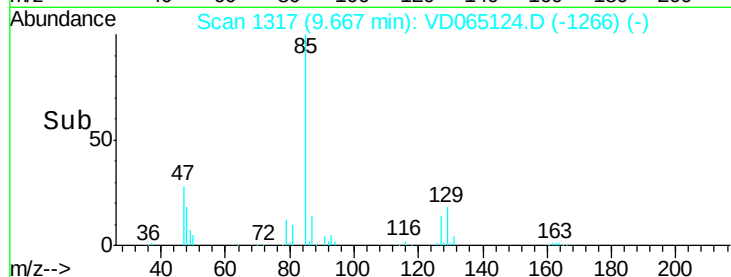
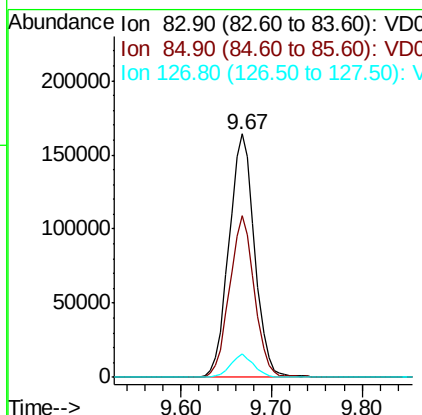
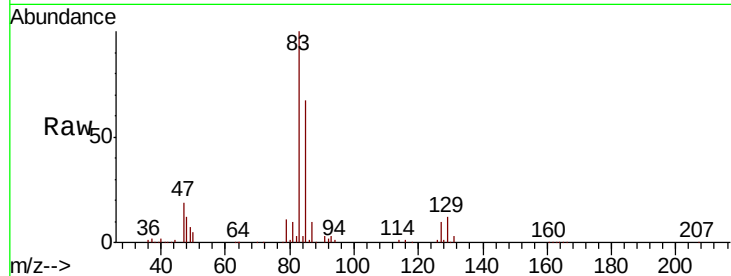
#47
Bromodichloromethane
Concen: 51.008 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	322912		
85	66.6	51.0	76.6	
127	9.5	7.3	10.9	

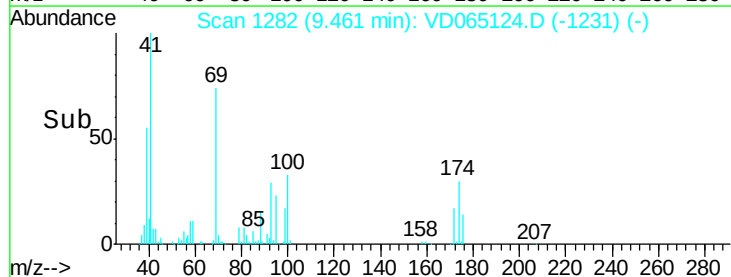
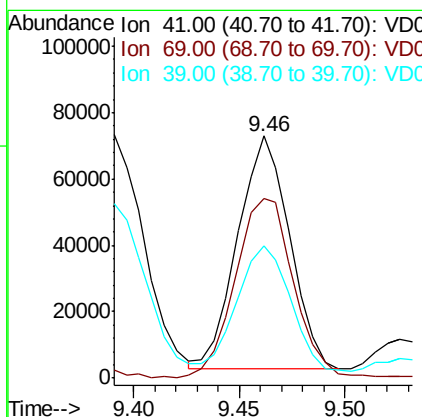
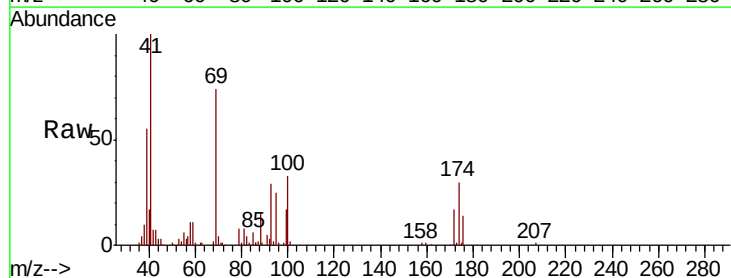
Manual Integrations
APPROVED

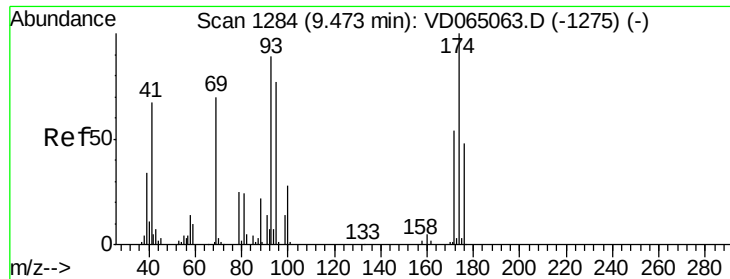
MMDadoda
2/11/2020 6:09:26 PM



#48
Methyl methacrylate
Concen: 46.118 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	119766		
69	85.8	67.5	101.3	
39	54.9	47.0	70.4	





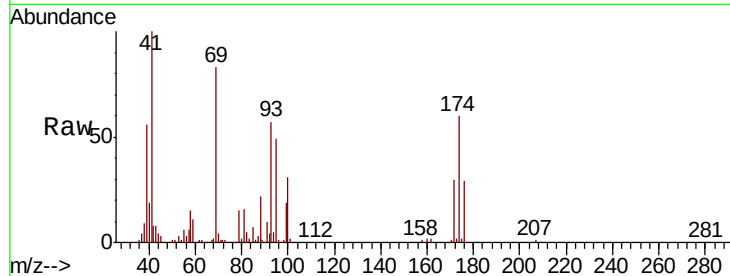
#49
1,4-Dioxane
Concen: 912.208 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	25959
Ion Ratio	Lower	Upper	
88	100		
43	39.7	27.7	41.5
58	73.1	55.5	83.3

Manual Integrations
APPROVED

MMDadoda
2/11/2020 6:09:26 PM

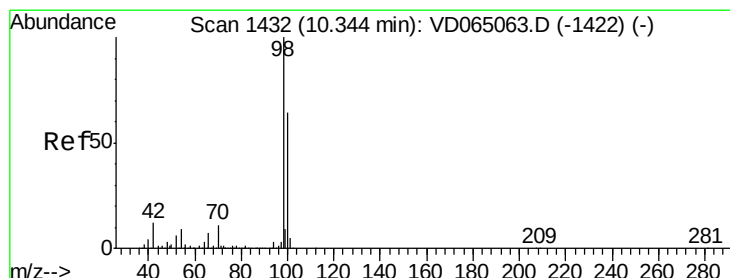
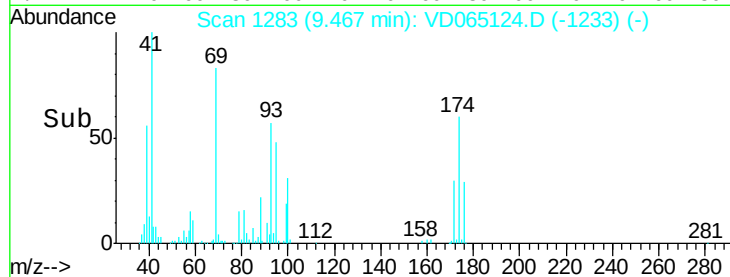
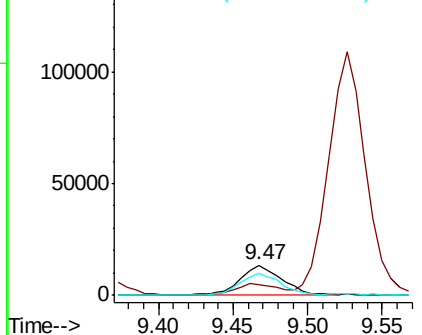


Abundance

Ion 88.00 (87.70 to 88.70): VDC

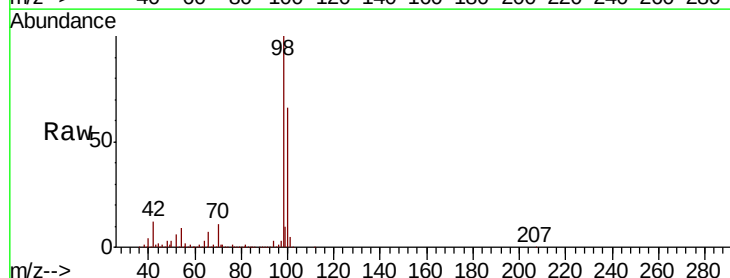
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 57.939 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

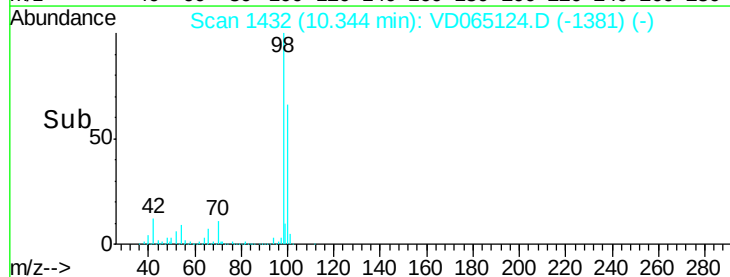
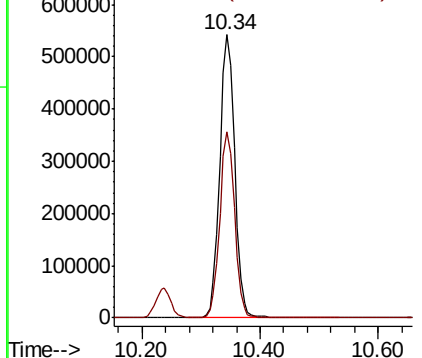
Tgt Ion	98	Resp	955587
Ion Ratio	Lower	Upper	
98	100		
100	64.7	52.1	78.1

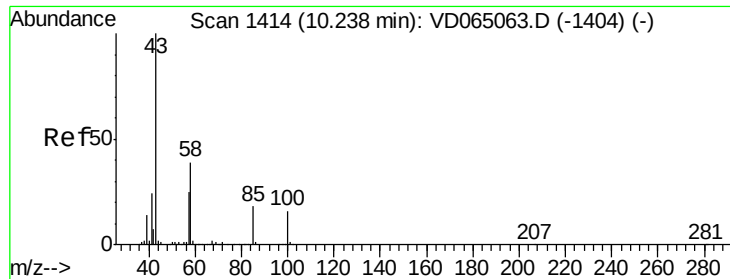


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





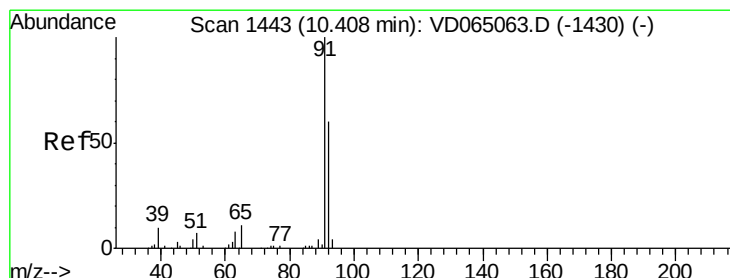
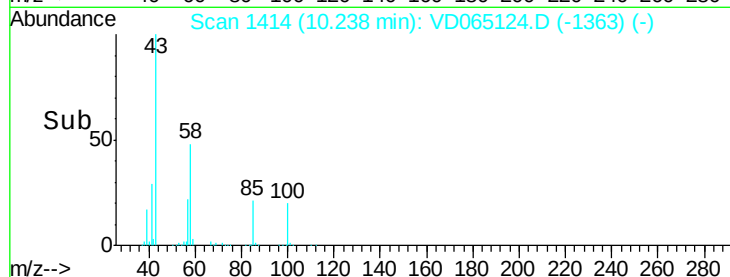
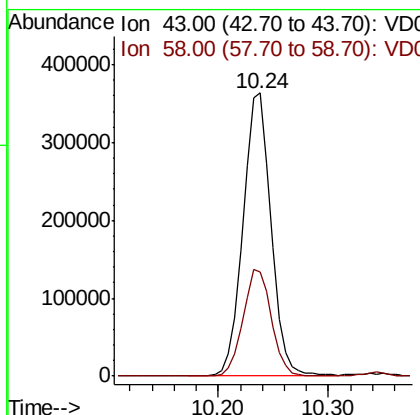
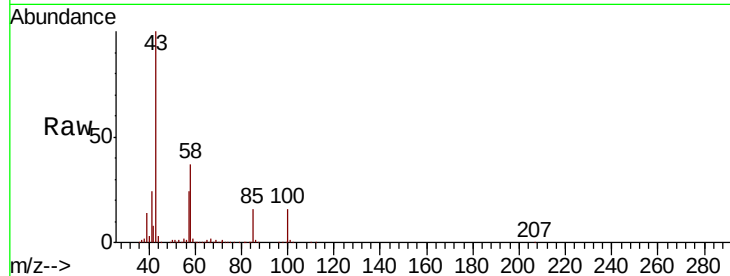
#51
4-Methyl-2-Pentanone
Concen: 244.475 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.2	45.2

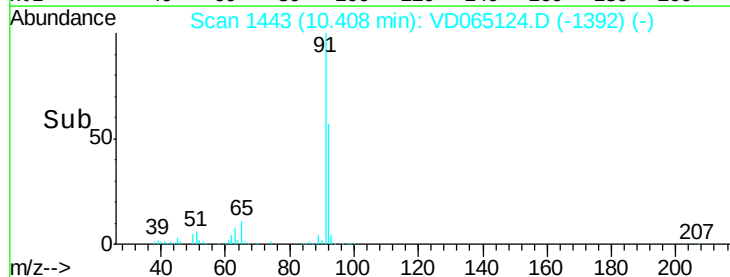
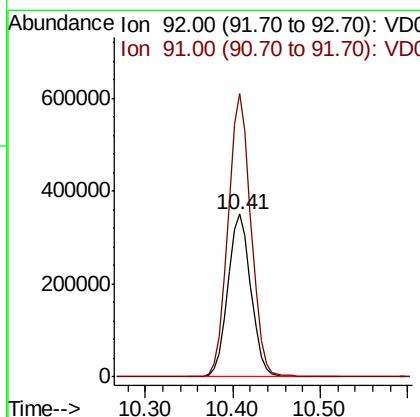
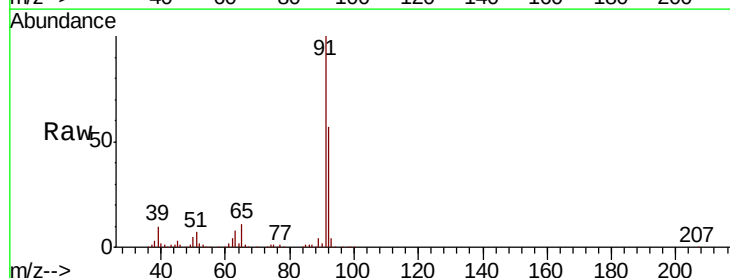
Manual Integrations
APPROVED

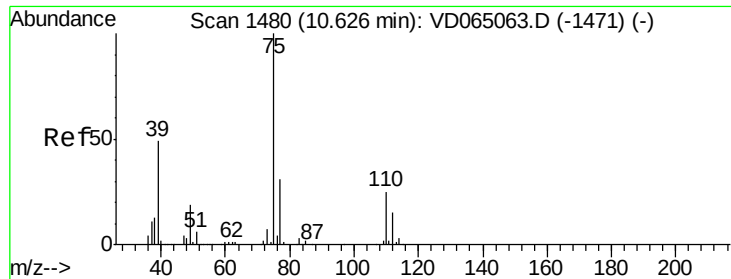
MMDadoda
2/11/2020 6:09:26 PM



#52
Toluene
Concen: 51.909 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.5	135.3	202.9





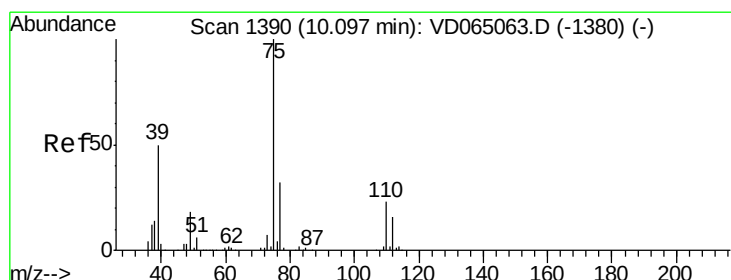
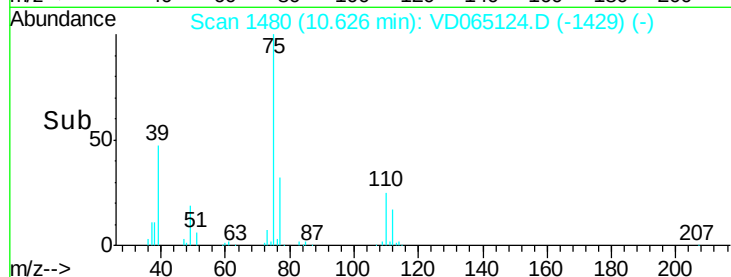
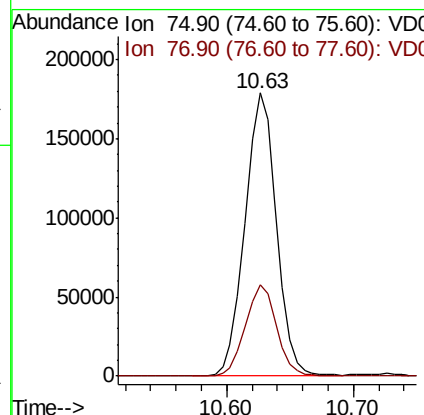
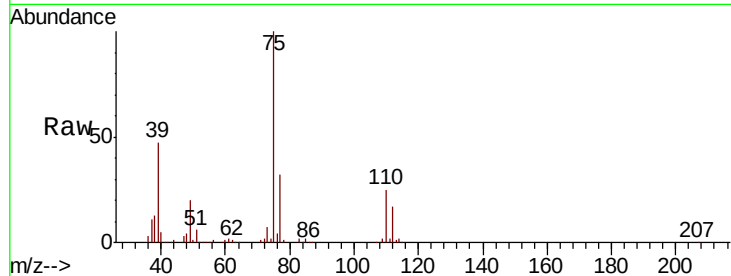
#53
t-1,3-Dichloropropene
Concen: 50.065 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.9	37.3

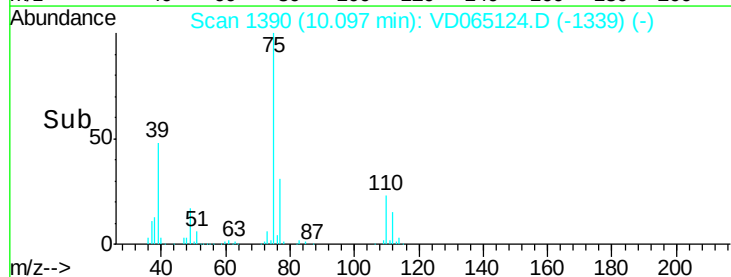
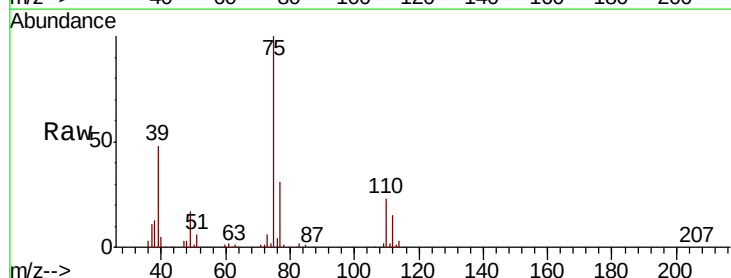
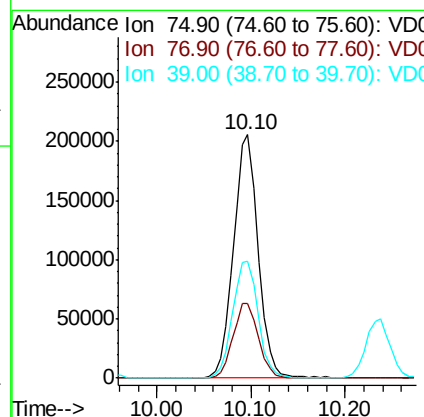
Manual Integrations
APPROVED

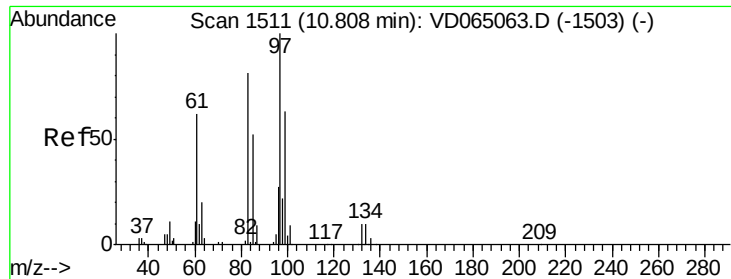
MMDadoda
2/11/2020 6:09:26 PM



#54
cis-1,3-Dichloropropene
Concen: 50.661 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.3	37.9
39	47.9	40.3	60.5





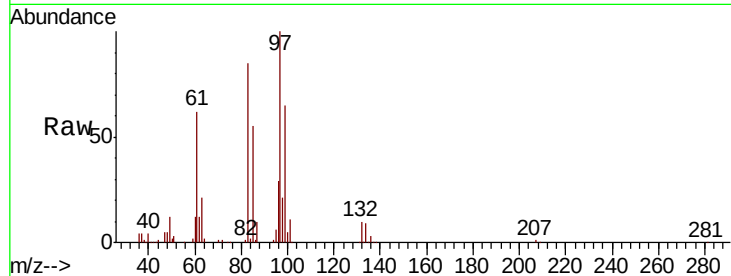
#55
 1,1,2-Trichloroethane
 Concen: 50.002 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

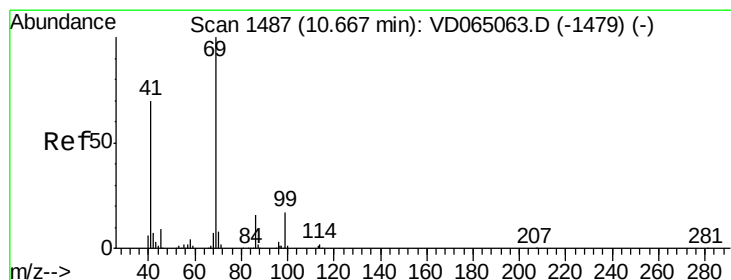
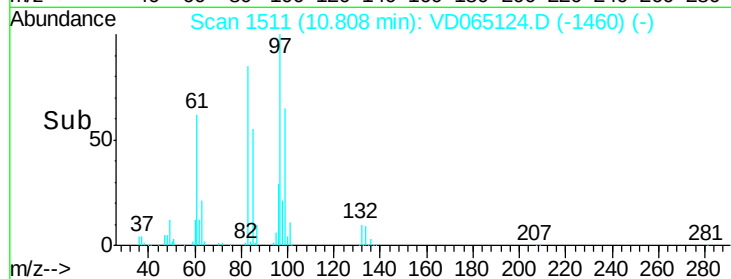
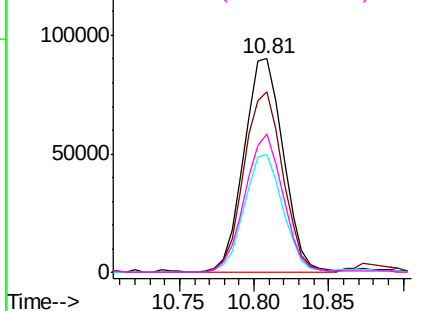
Tot Ion:	97	Resp:	164783
Ion	Ratio	Lower	Upper
97	100		
83	84.8	64.8	97.2
85	55.4	41.2	61.8
99	64.7	50.3	75.5

Manual Integrations
 APPROVED

MMDadoda
 2/11/2020 6:09:26 PM

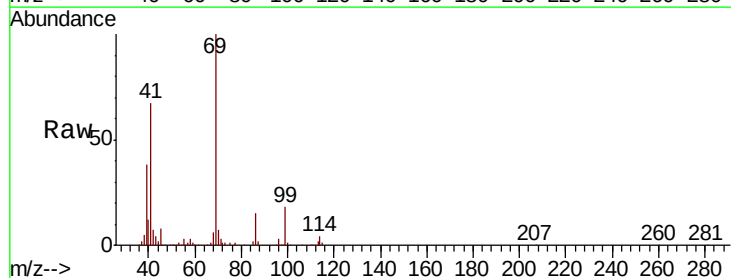


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

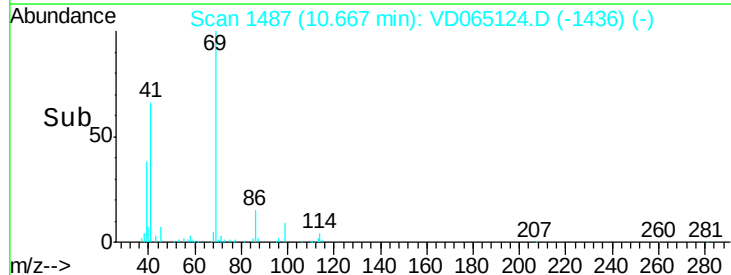
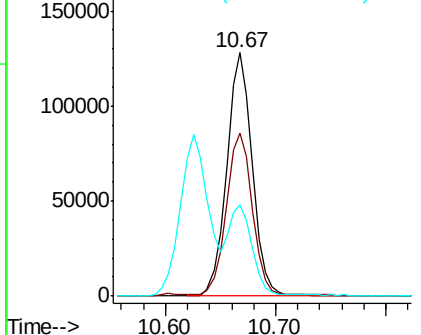


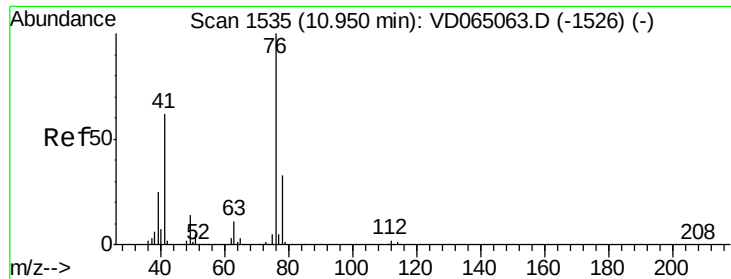
#56
 Ethyl methacrylate
 Concen: 49.815 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Tgt Ion:	69	Resp:	207716
Ion	Ratio	Lower	Upper
69	100		
41	68.2	55.9	83.9
39	34.9	29.4	44.0



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





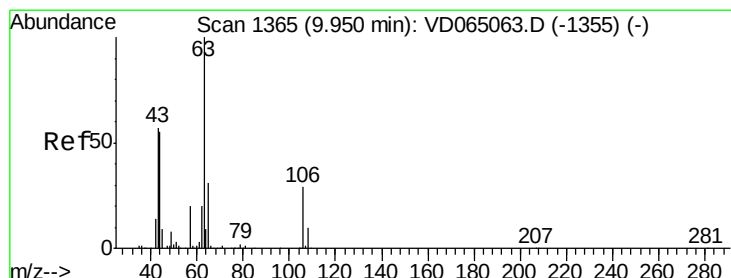
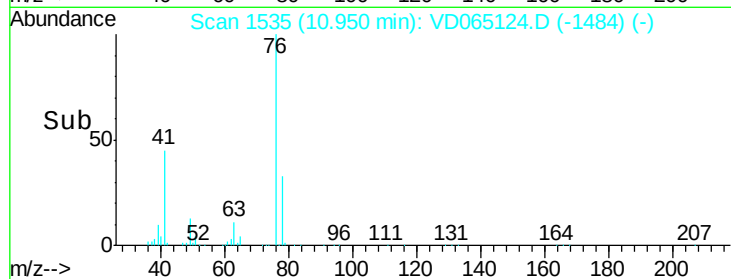
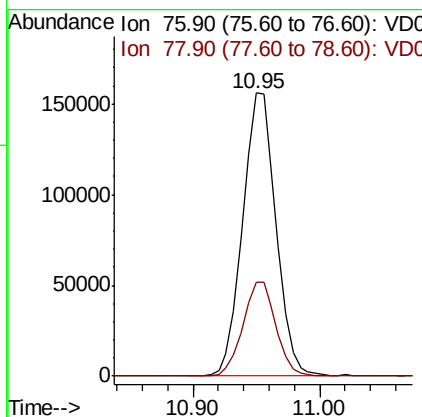
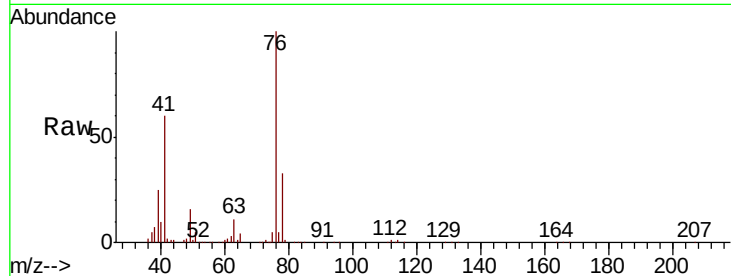
#57
 1,3-Dichloropropane
 Concen: 49.174 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.8	38.6

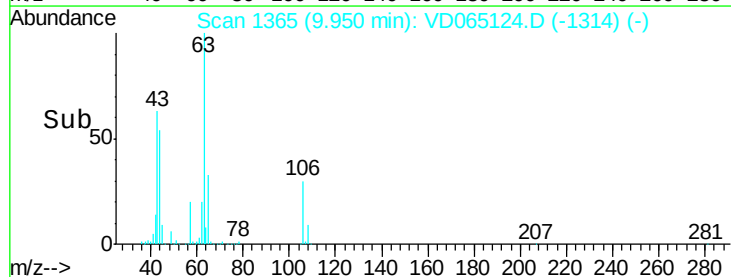
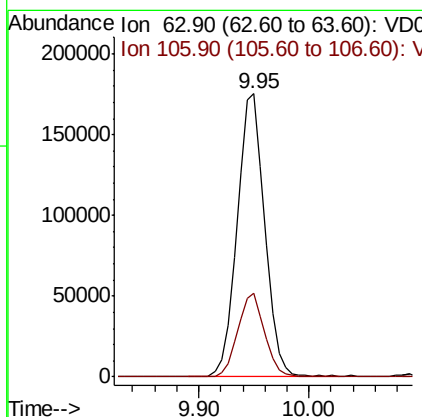
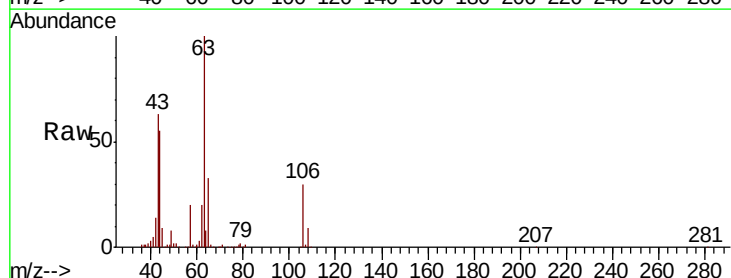
Manual Integrations
 APPROVED

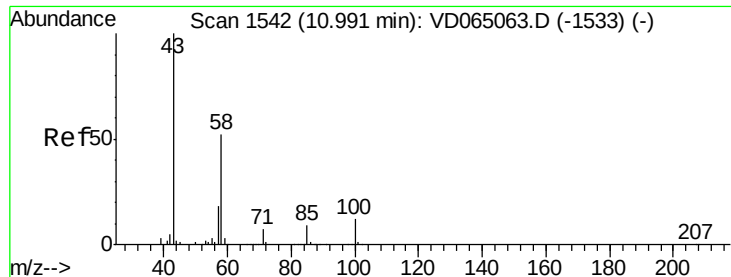
MMDadoda
 2/11/2020 6:09:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 227.051 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.3	34.9





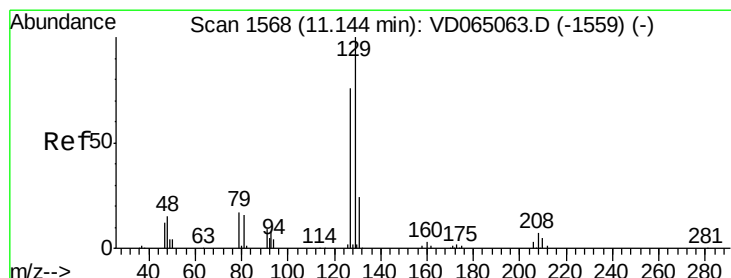
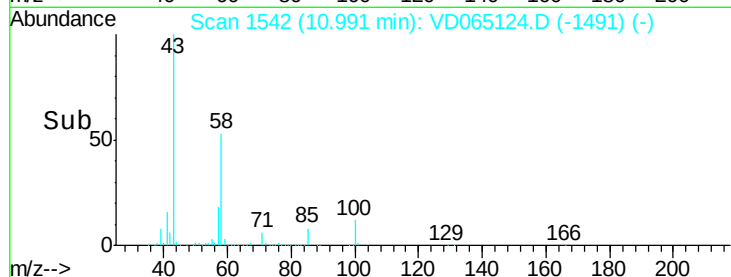
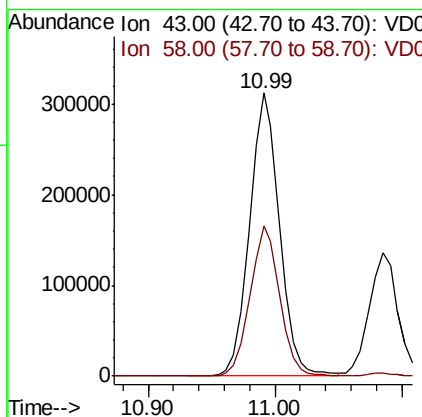
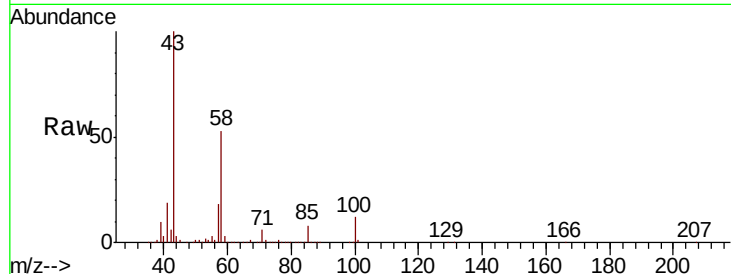
#59
2-Hexanone
Concen: 272.026 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 511847
Ion Ratio Lower Upper
43 100
58 52.6 26.2 78.6

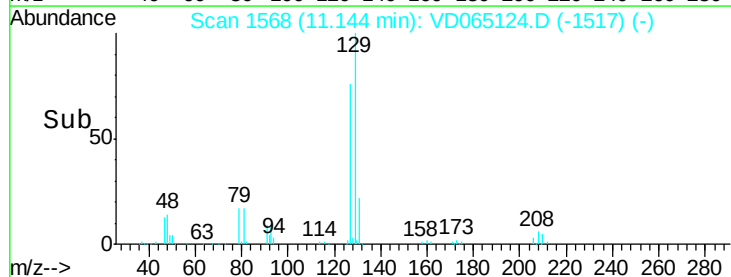
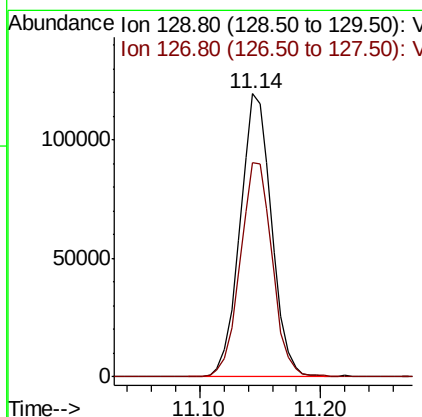
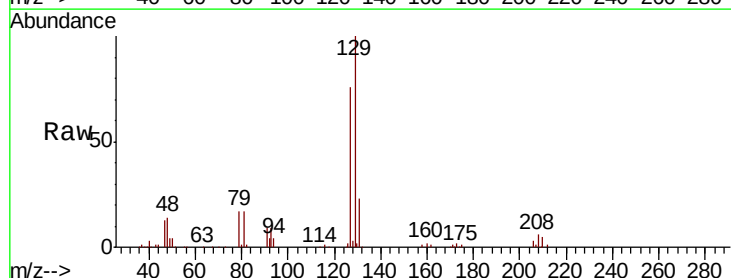
Manual Integrations
APPROVED

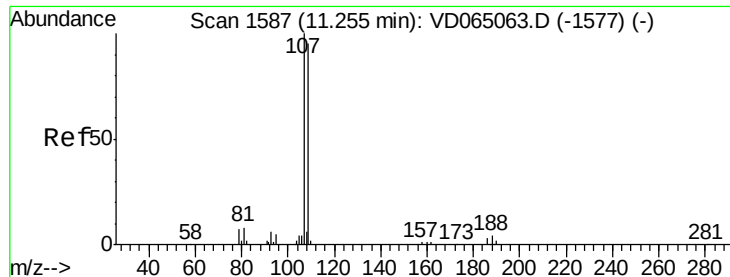
MMDadoda
2/11/2020 6:09:26 PM



#60
Dibromochloromethane
Concen: 50.992 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion: 129 Resp: 217661
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.9





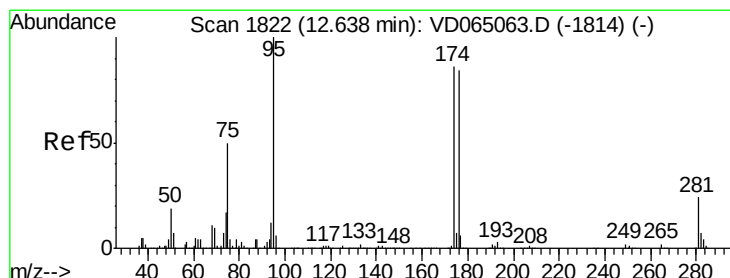
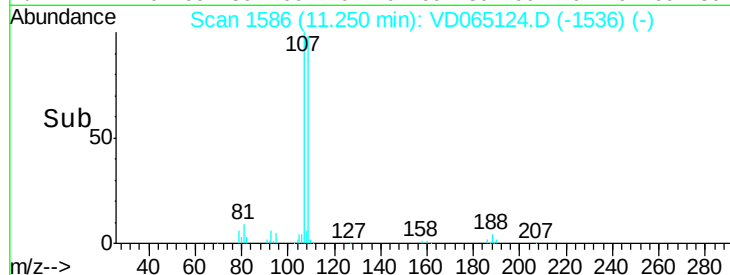
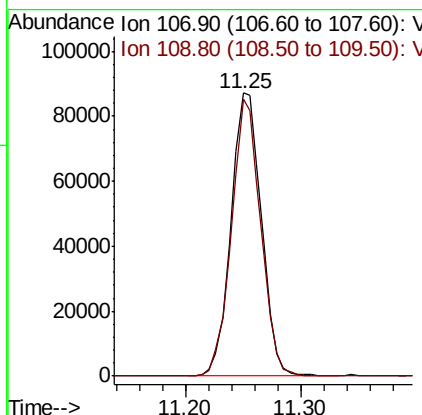
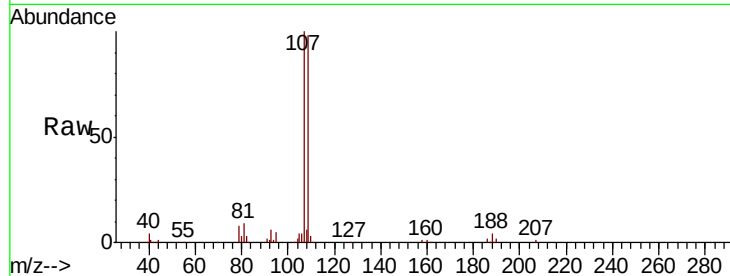
#61
 1,2-Dibromoethane
 Concen: 49.313 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 158794
 Ion Ratio Lower Upper
 107 100
 109 94.2 75.5 113.3

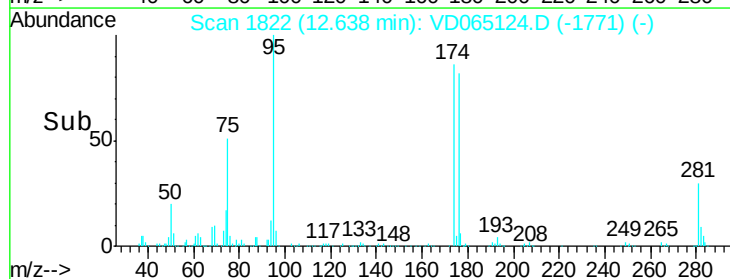
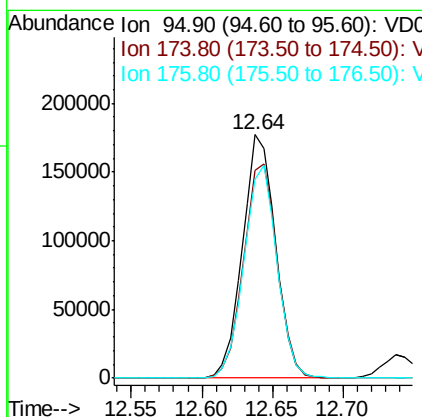
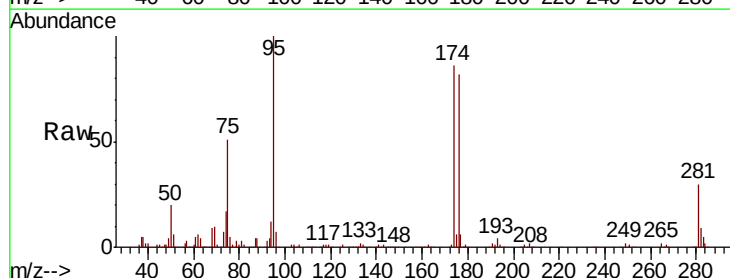
Manual Integrations
 APPROVED

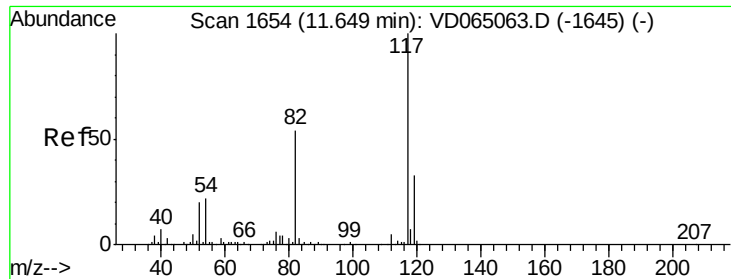
MMDadoda
 2/11/2020 6:09:26 PM



#62
 4-Bromofluorobenzene
 Concen: 55.696 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Tgt Ion: 95 Resp: 291069
 Ion Ratio Lower Upper
 95 100
 174 89.8 0.0 180.0
 176 87.6 0.0 173.2





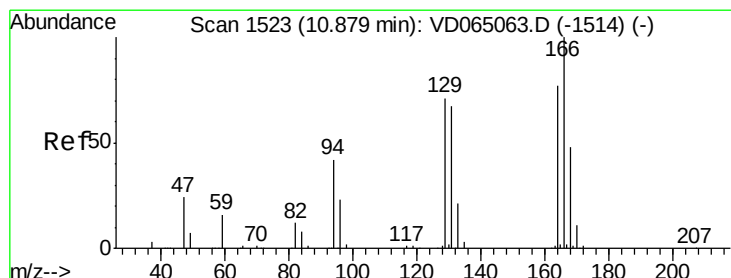
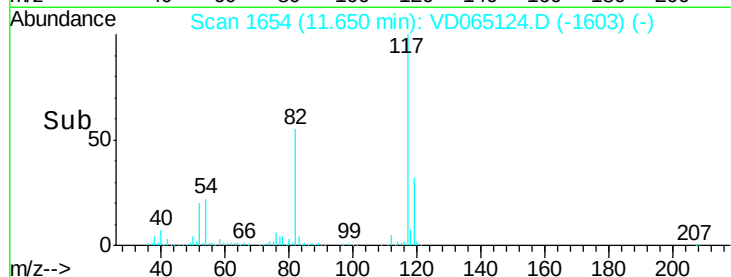
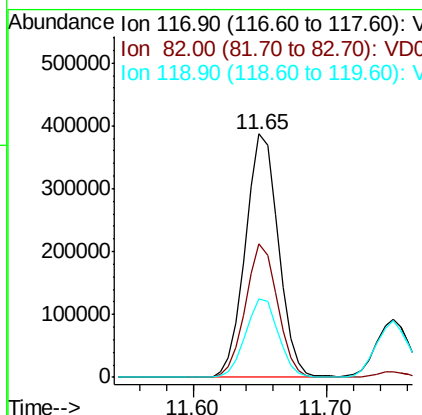
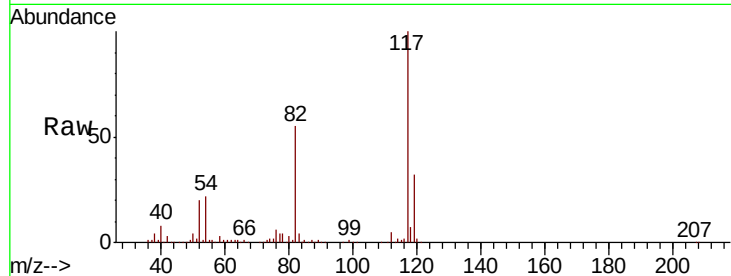
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	661005		
82	54.8	43.1	64.7	
119	32.3	26.0	39.0	

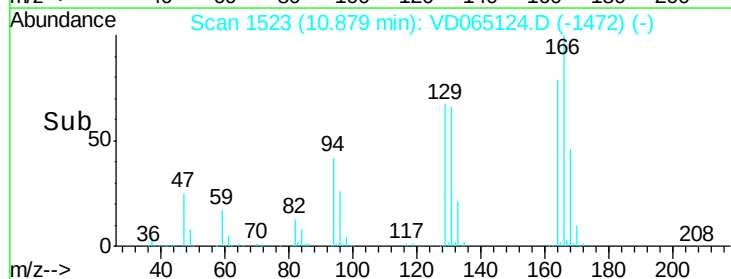
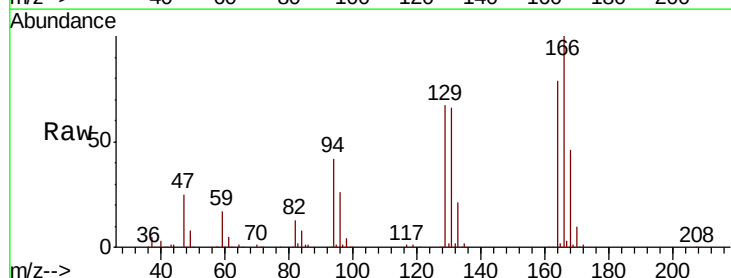
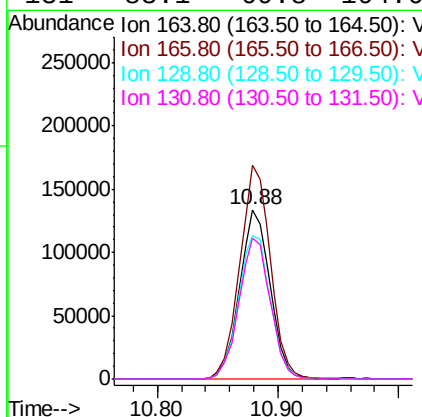
Manual Integrations
APPROVED

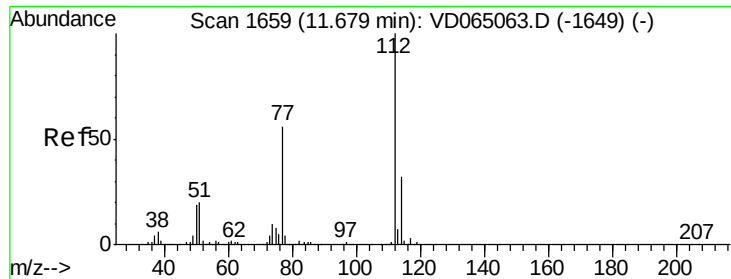
MMDadoda
2/11/2020 6:09:26 PM



#64
Tetrachloroethene
Concen: 49.831 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	236680		
166	126.4	103.5	155.3	
129	84.8	73.3	109.9	
131	83.1	69.8	104.6	





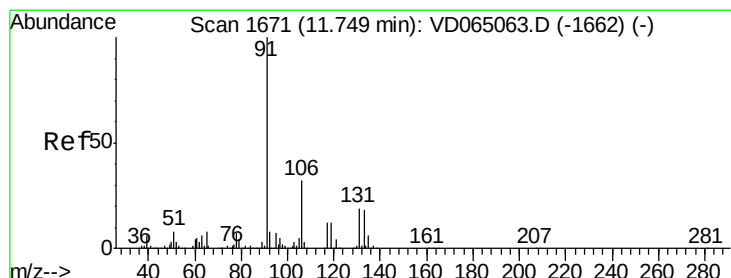
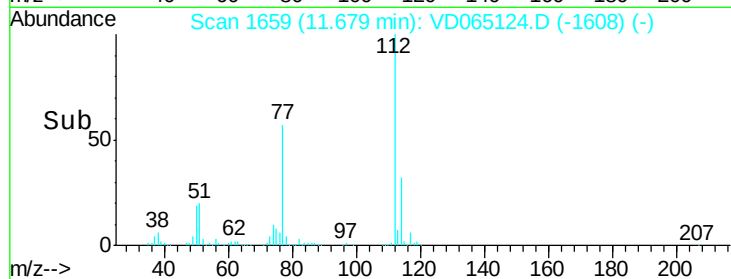
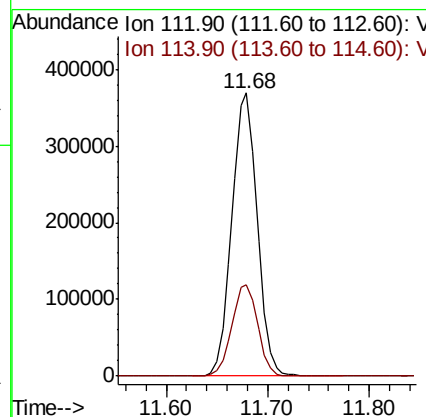
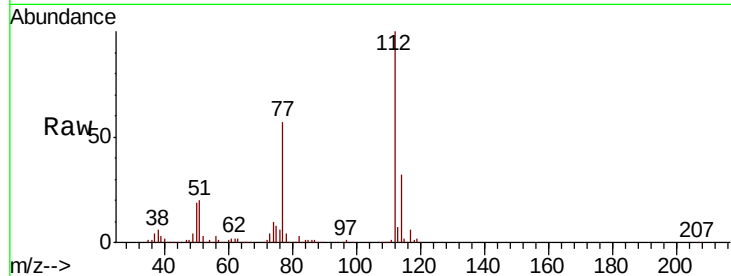
#65
Chlorobenzene
Concen: 50.245 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 642372
Ion Ratio Lower Upper
112 100
114 32.5 25.4 38.0

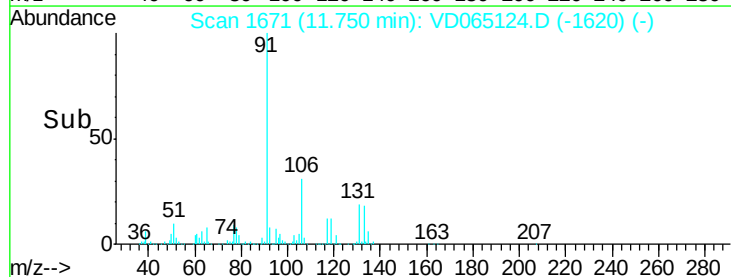
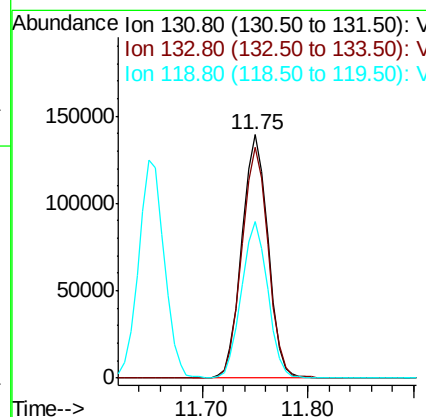
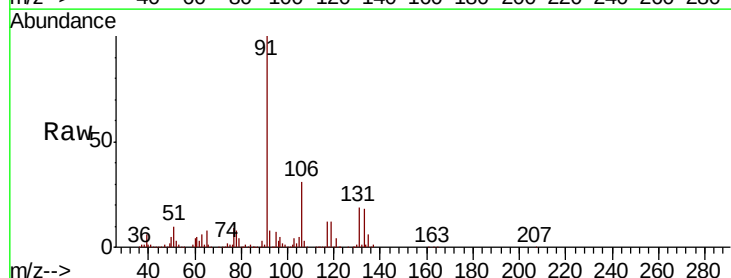
Manual Integrations
APPROVED

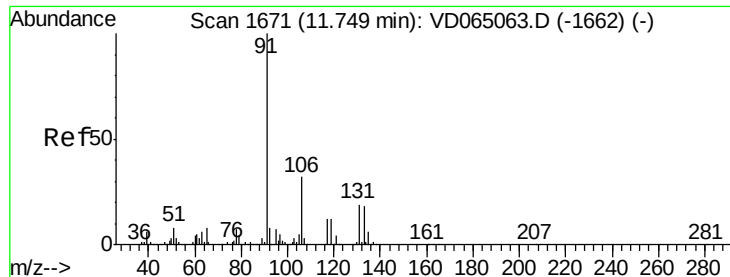
MMDadoda
2/11/2020 6:09:26 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.528 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion:131 Resp: 238421
Ion Ratio Lower Upper
131 100
133 95.7 47.7 143.1
119 64.9 31.3 93.8





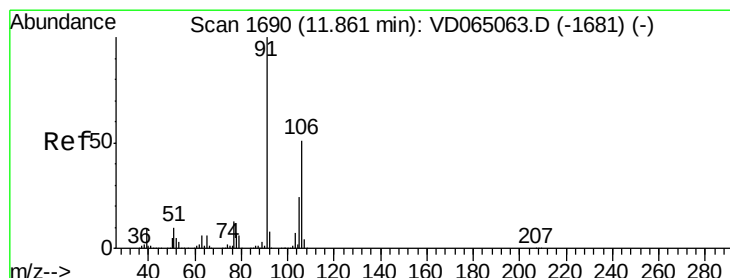
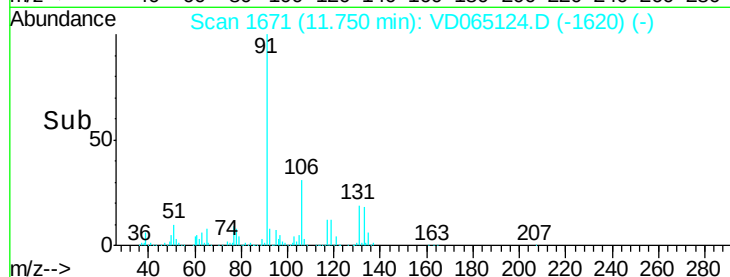
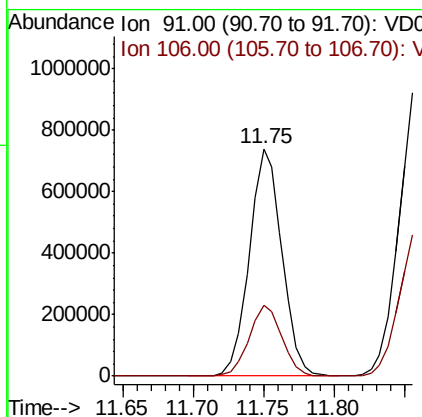
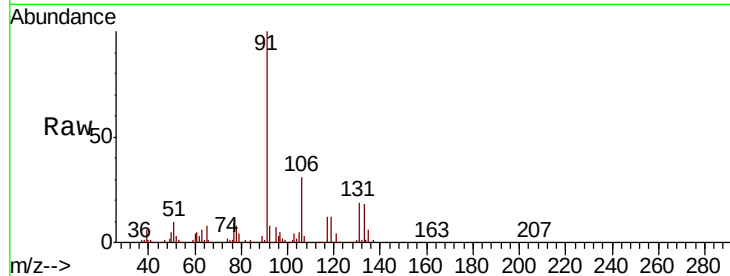
#67
Ethyl Benzene
Concen: 51.521 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1196702
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.2

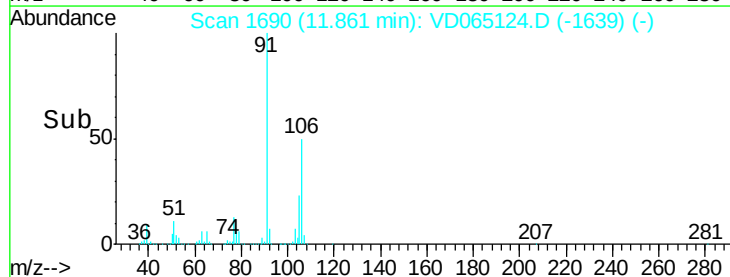
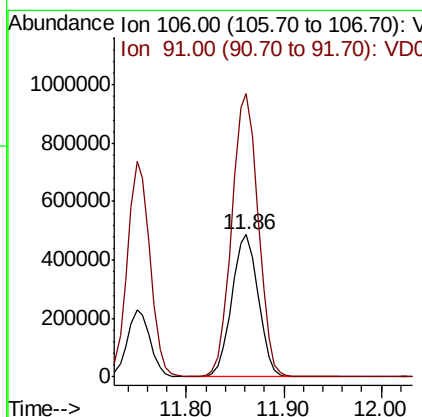
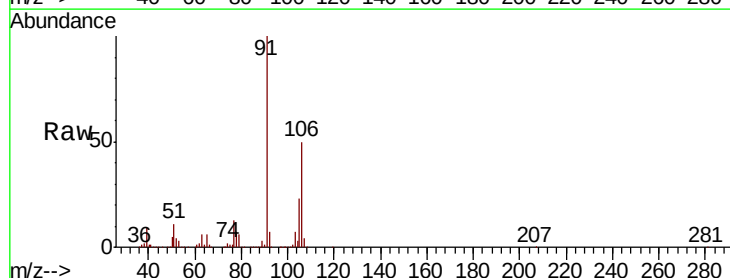
Manual Integrations
APPROVED

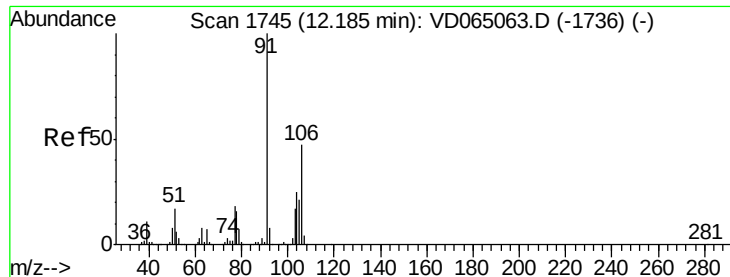
MMDadoda
2/11/2020 6:09:26 PM



#68
m/p-Xylenes
Concen: 103.692 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion: 106 Resp: 919268
Ion Ratio Lower Upper
106 100
91 198.3 158.9 238.3





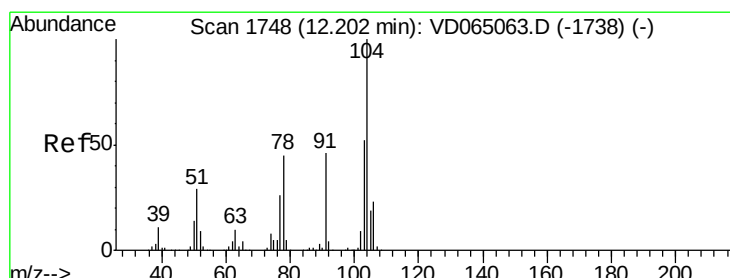
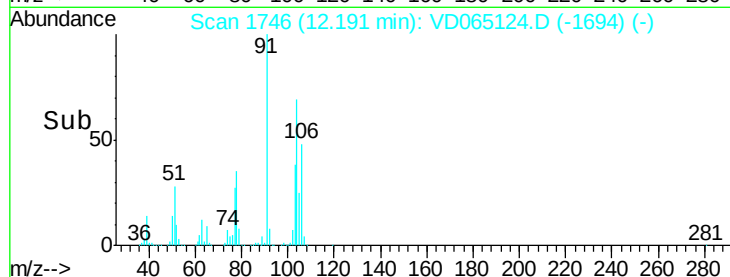
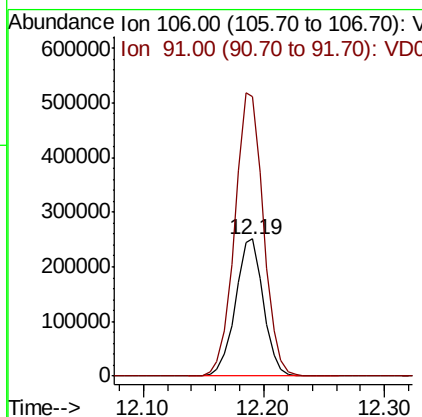
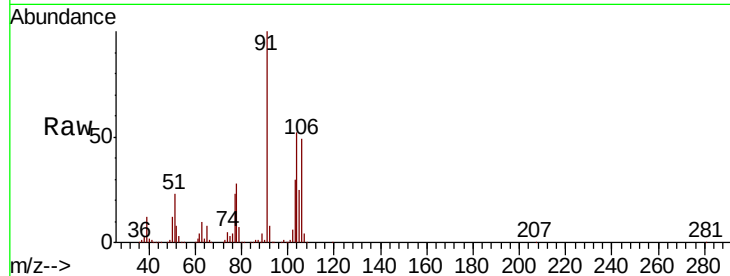
#69
o-Xylene
Concen: 50.833 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 405824
Ion Ratio Lower Upper
106 100
91 211.1 104.7 313.9

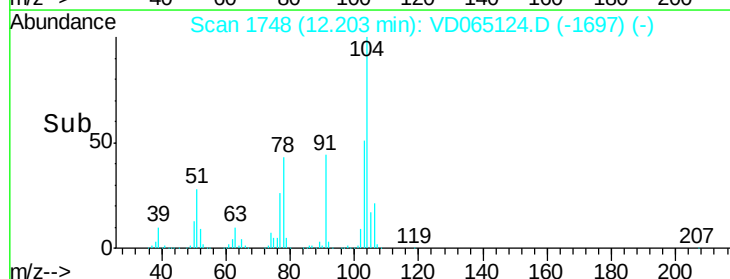
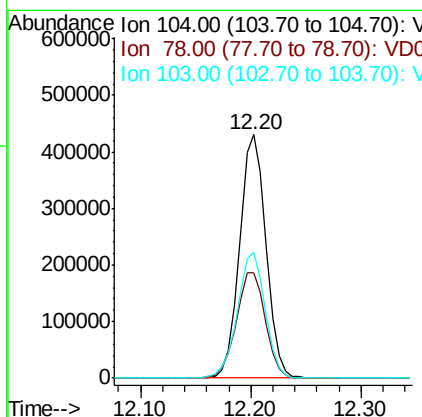
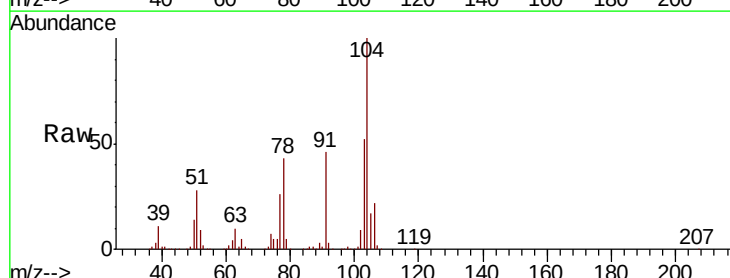
Manual Integrations
APPROVED

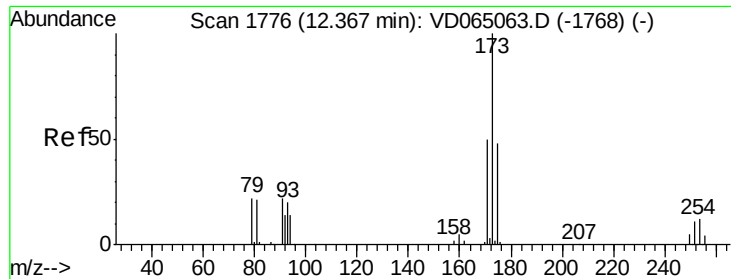
MMDadoda
2/11/2020 6:09:26 PM



#70
Styrene
Concen: 52.177 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion:104 Resp: 723973
Ion Ratio Lower Upper
104 100
78 47.7 38.5 57.7
103 54.3 43.8 65.8





#71

Bromoform

Concen: 50.040 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Instrument :

MSVOA_D

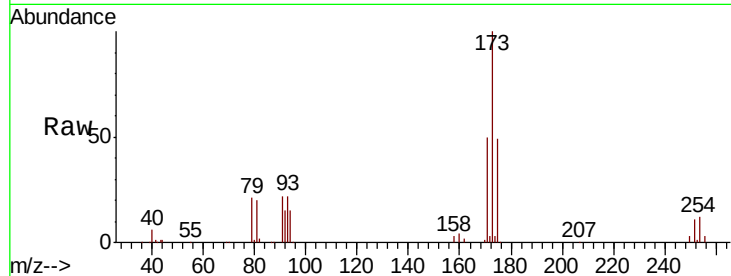
ClientSampleId :

VSTDCCC050

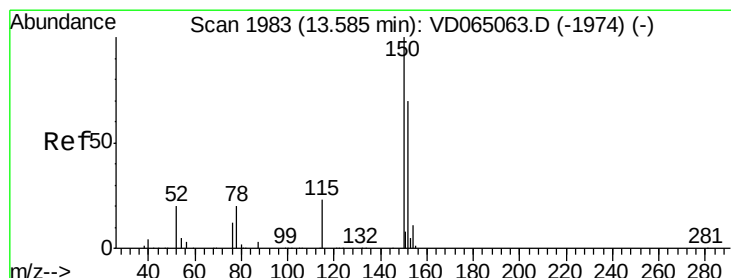
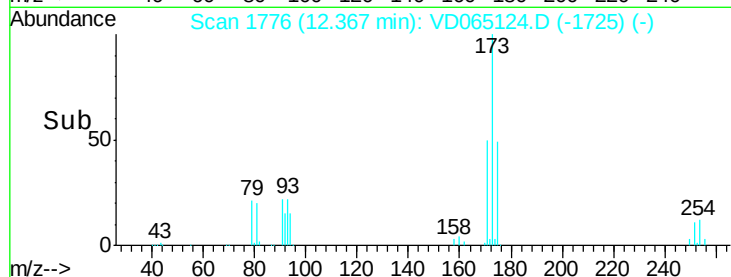
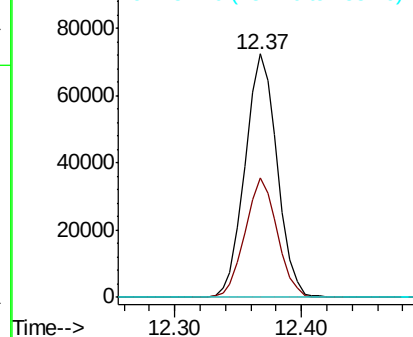
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.3	72.8
254	0.0	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
2/11/2020 6:09:26 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

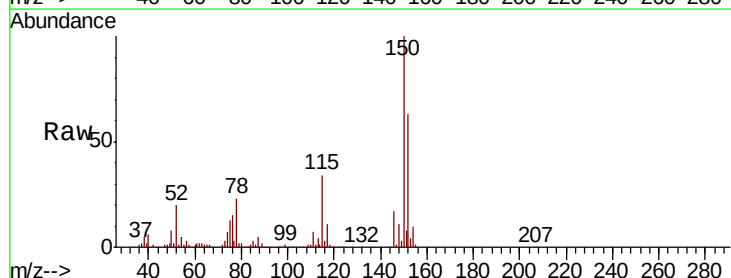
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

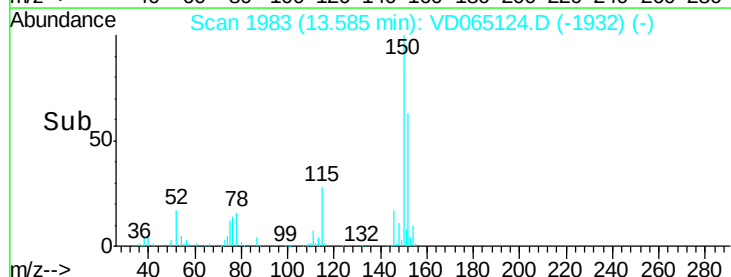
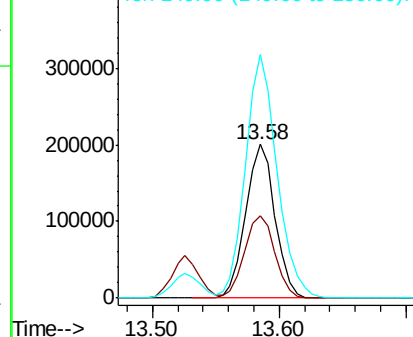
Lab File: VD065124.D

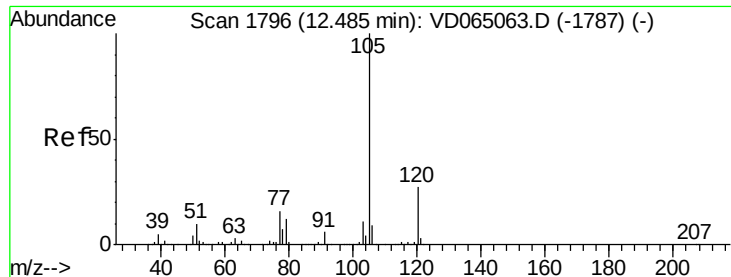
Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.5	82.4
150	171.4	0.0	343.2



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





#73

Isopropylbenzene

Concen: 51.452 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1129650

Ion Ratio Lower Upper

105 100

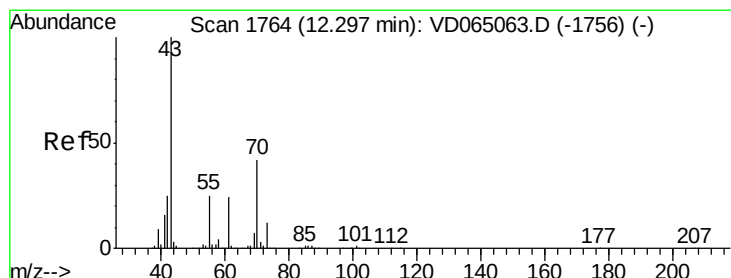
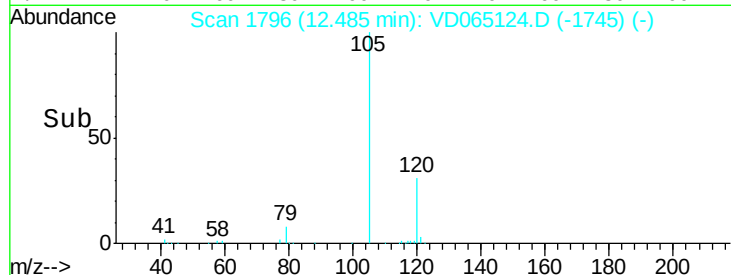
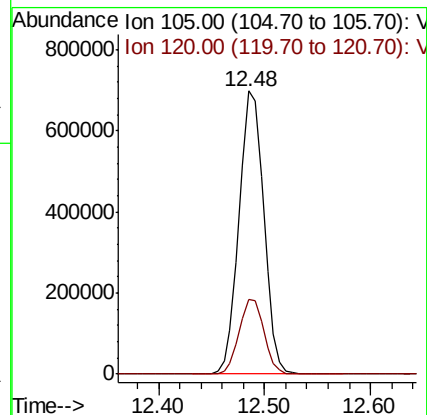
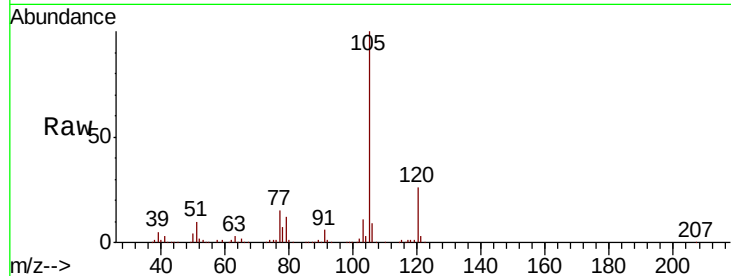
120 26.6 13.3 39.9

Manual Integrations

APPROVED

MMDadoda

2/11/2020 6:09:26 PM



#74

N-ethyl acetate

Concen: 47.148 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Tgt Ion: 43 Resp: 224996

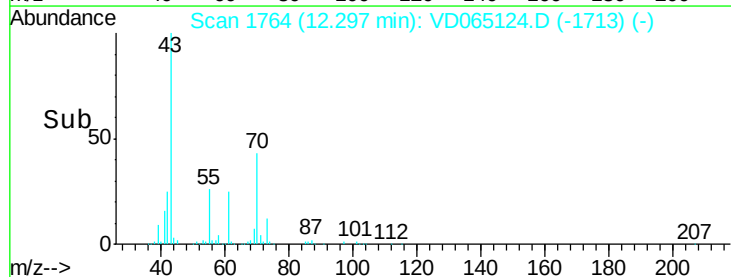
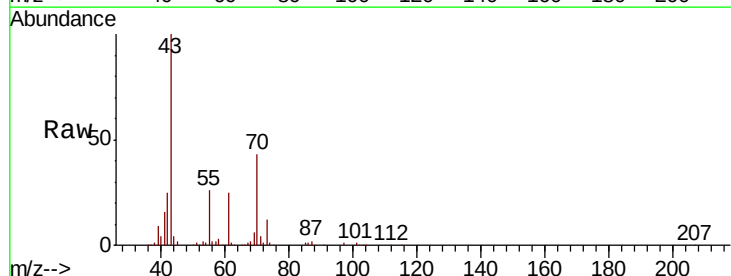
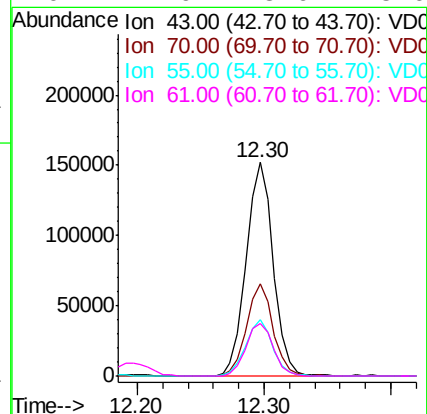
Ion Ratio Lower Upper

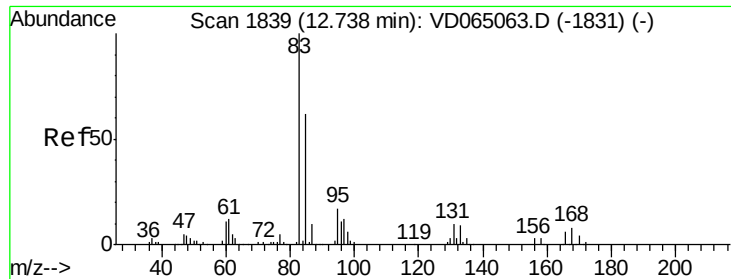
43 100

70 42.4 33.5 50.3

55 26.4 19.4 29.2

61 24.9 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.215 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Instrument :

MSVOA_D

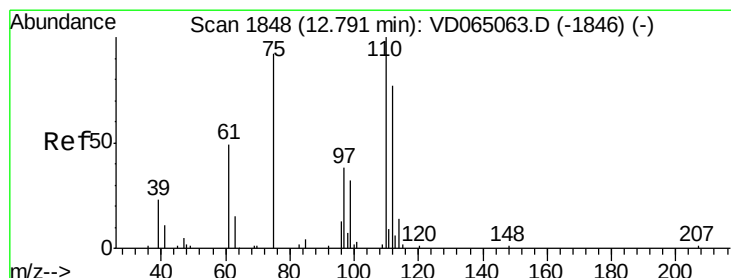
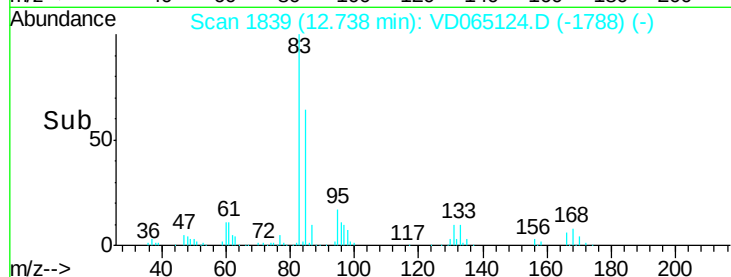
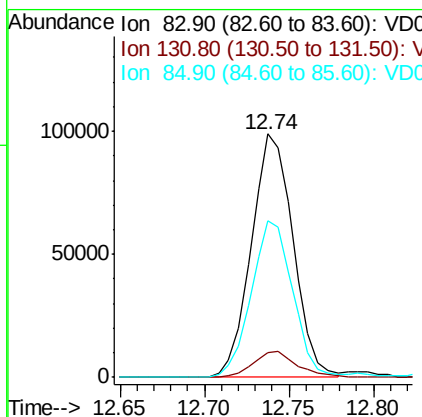
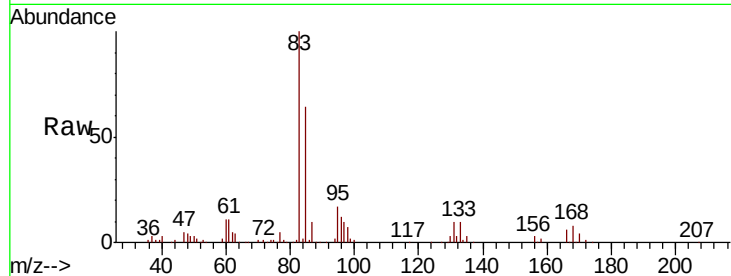
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	170062
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.5	16.4
85	63.9	31.8	95.4

Manual Integrations
APPROVED

MMDadoda
2/11/2020 6:09:26 PM



#76

1,2,3-Trichloropropane

Concen: 48.745 ug/l m

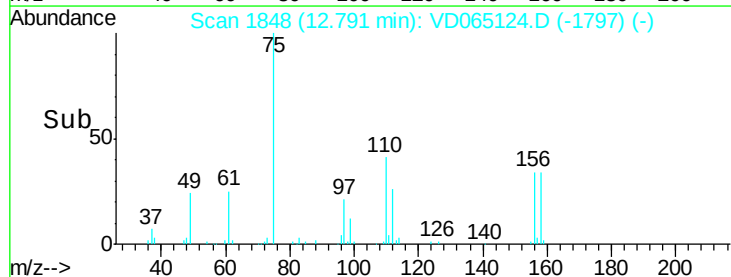
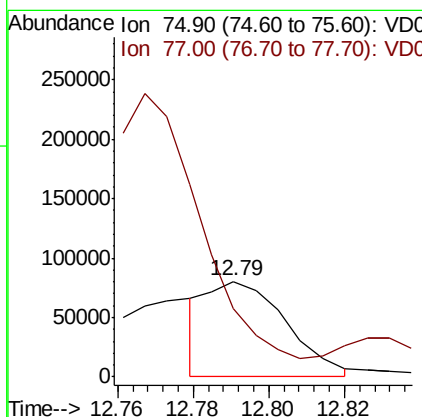
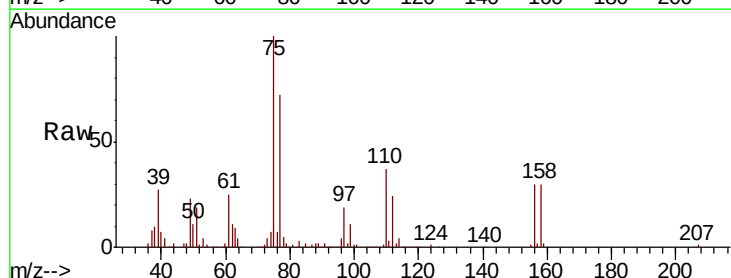
RT: 12.79 min Scan# 1848

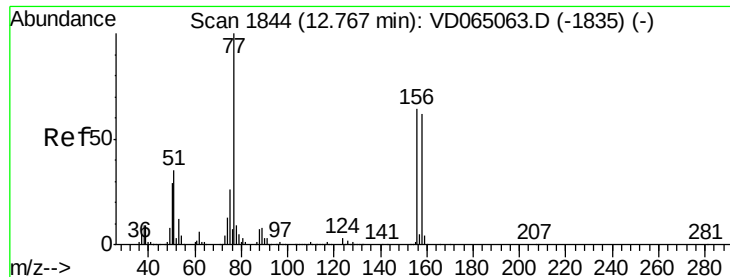
Delta R.T. 0.00 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Tgt Ion:	75	Resp:	118054
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.025 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Instrument :

MSVOA_D

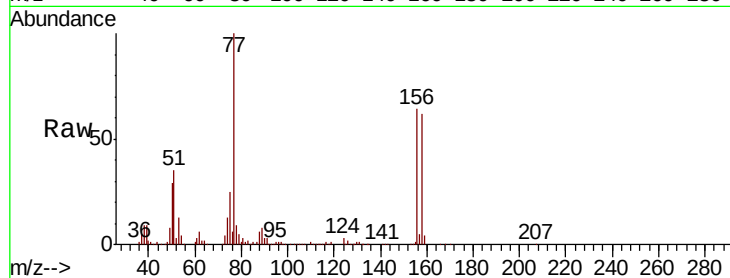
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	259336
Ion Ratio	Lower	Upper	
156	100		
77	171.8	85.6	256.8
158	96.1	47.4	142.2

Manual Integrations
APPROVED

MMDadoda
2/11/2020 6:09:26 PM

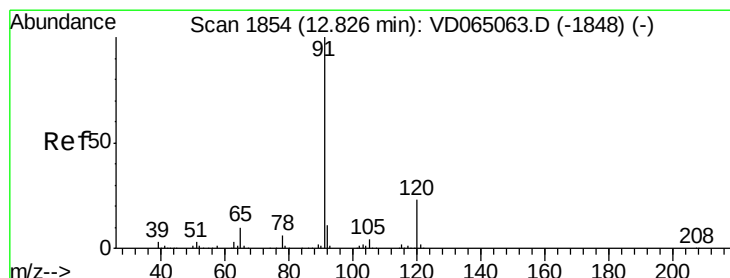
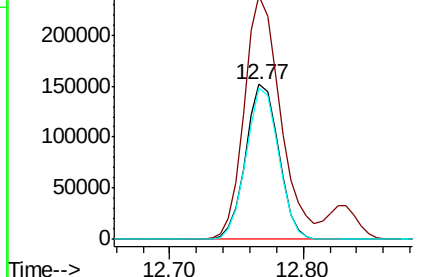
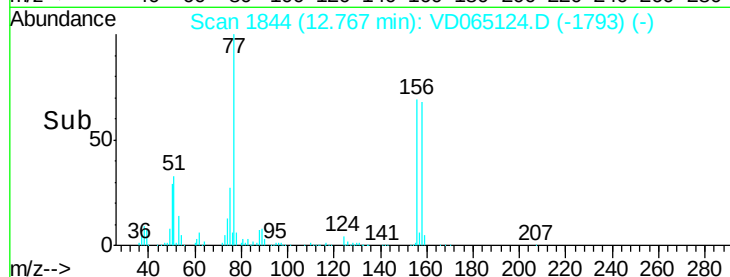


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V

Time-->



#78

n-propylbenzene

Concen: 52.009 ug/l

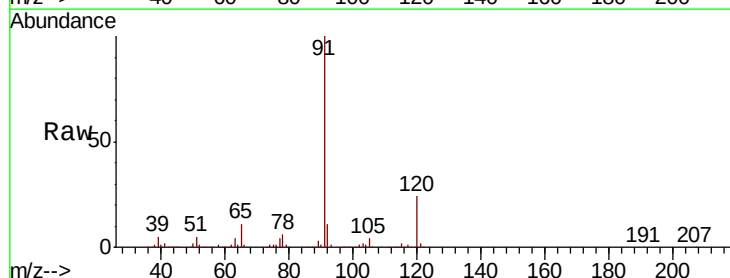
RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

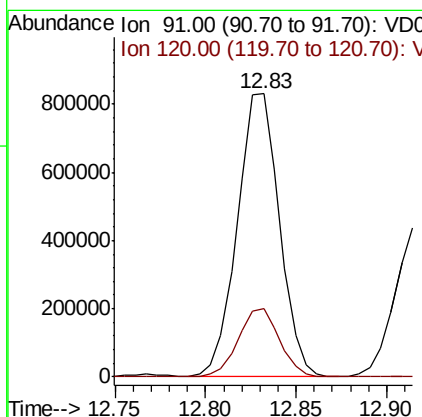
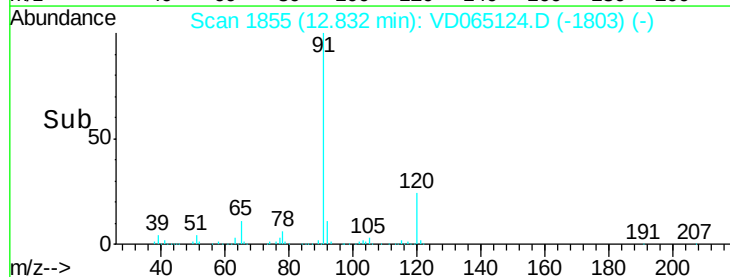
Tgt Ion:	91	Resp:	1337268
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.8	35.3

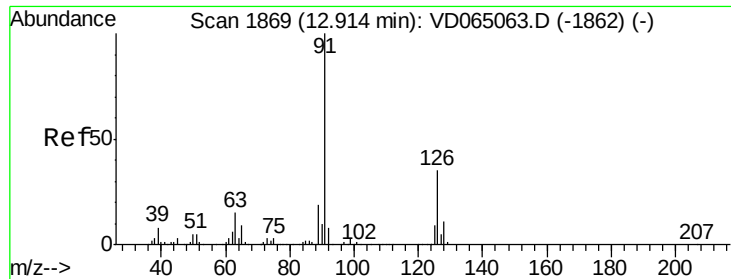


Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

Time-->





#79

2-Chlorotoluene

Concen: 50.384 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 722103

Ion Ratio Lower Upper

91 100

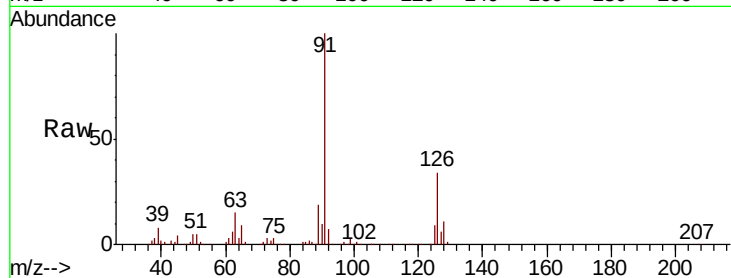
126 35.1 17.4 52.3

Manual Integrations

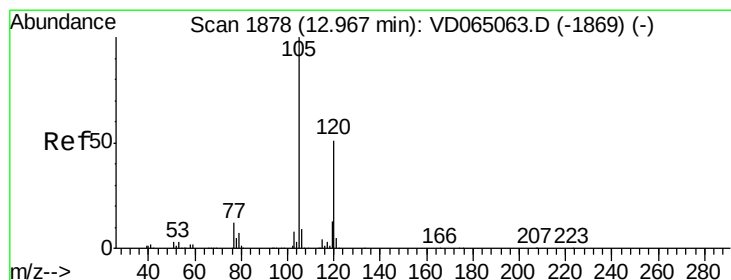
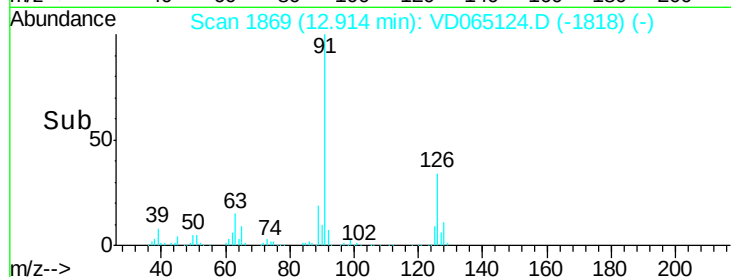
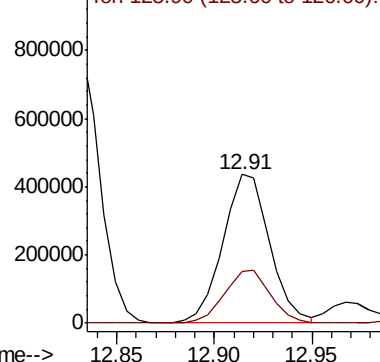
APPROVED

MMDadoda

2/11/2020 6:09:26 PM



Abundance Ion 91.00 (90.70 to 91.70): VD065124.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.155 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065124.D

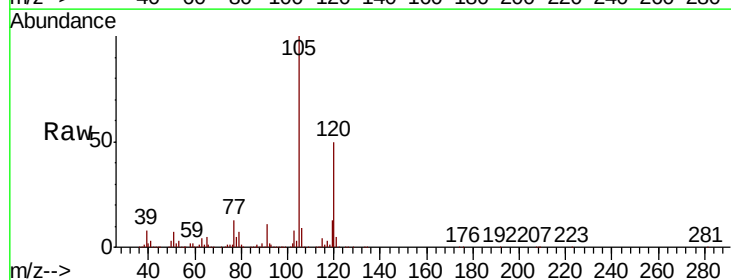
Acq: 10 Feb 2020 10:41

Tgt Ion: 105 Resp: 918844

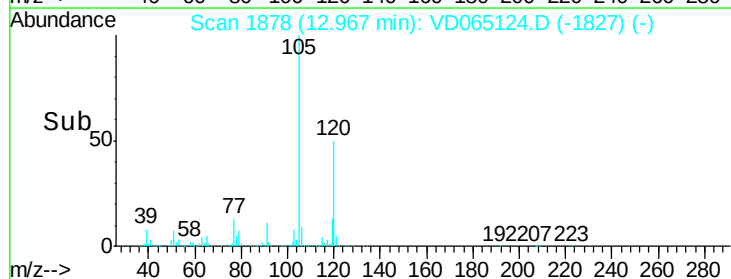
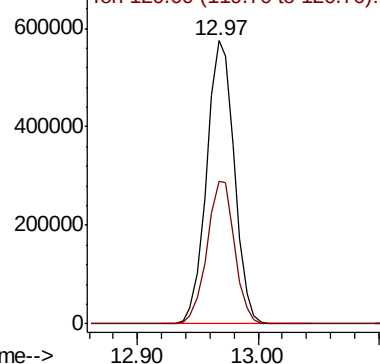
Ion Ratio Lower Upper

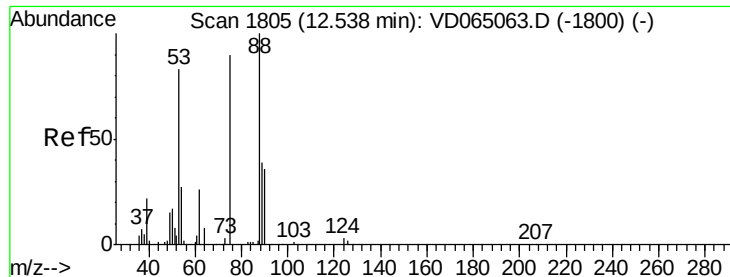
105 100

120 50.3 25.1 75.4



Abundance Ion 105.00 (104.70 to 105.70): VD065124.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 47.269 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Instrument :

MSVOA_D

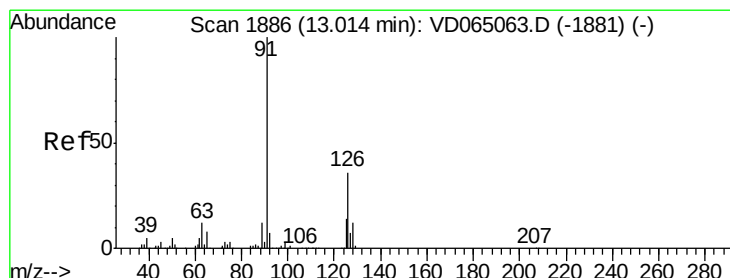
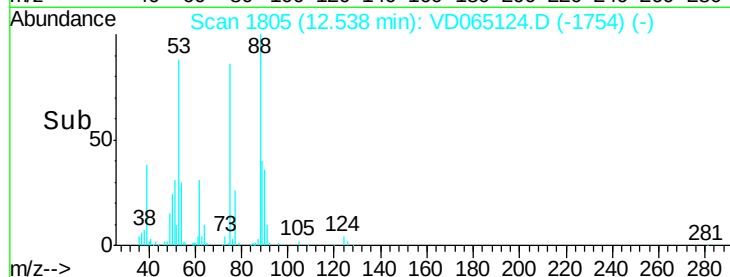
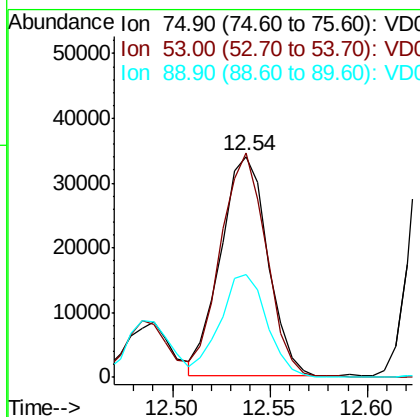
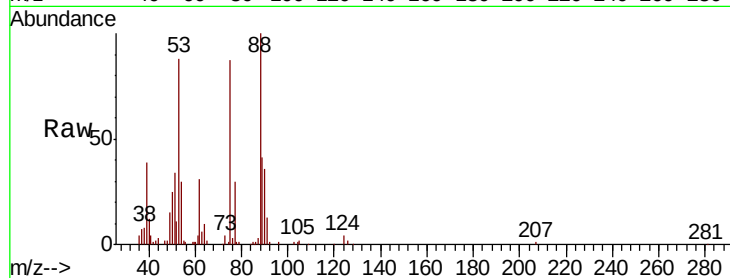
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	57242
Ion	Ratio	Lower	Upper
75	100		
53	99.2	78.5	117.7
89	46.8	37.0	55.4

Manual Integrations
APPROVED

MMDadoda
2/11/2020 6:09:26 PM



#82

4-Chlorotoluene

Concen: 50.765 ug/l

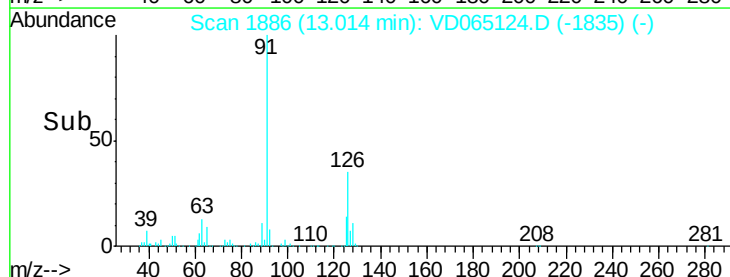
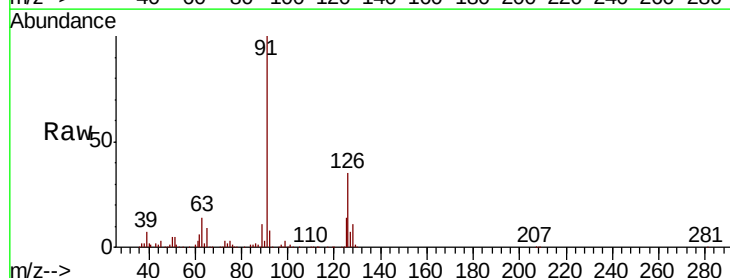
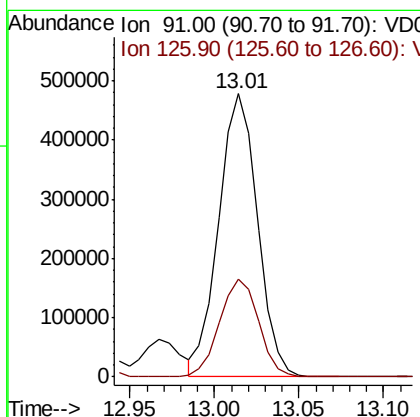
RT: 13.01 min Scan# 1886

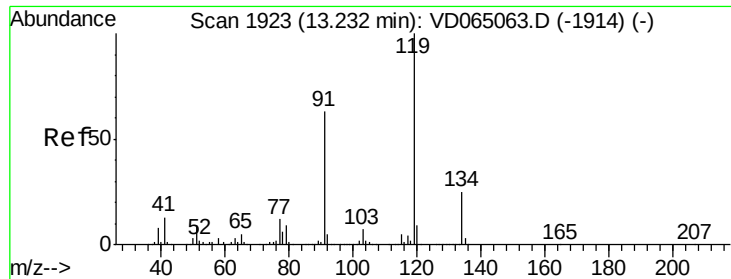
Delta R.T. 0.00 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Tgt Ion:	91	Resp:	764137
Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.5	52.5





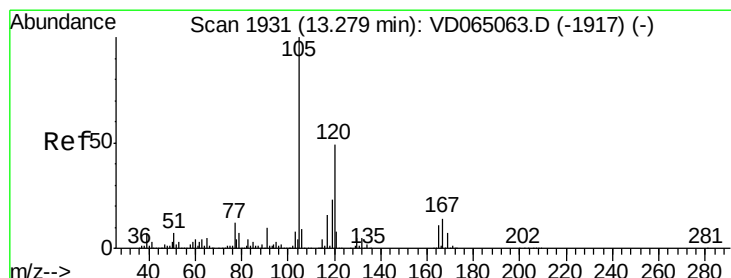
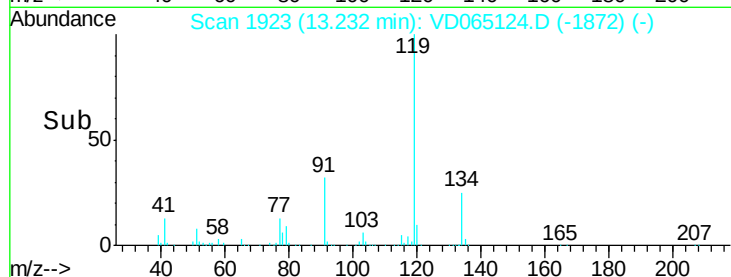
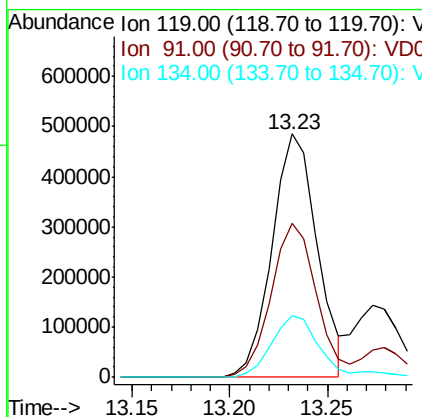
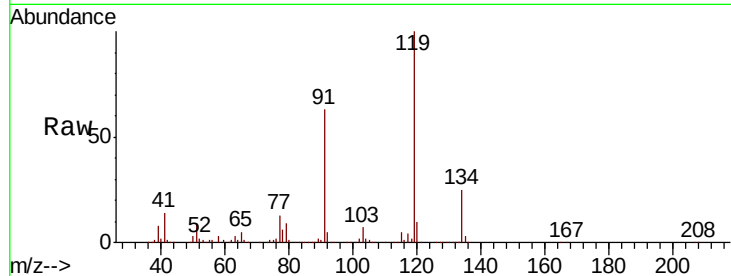
#83
tert-Butylbenzene
Concen: 50.002 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.3	96.9
134	27.8	13.8	41.3

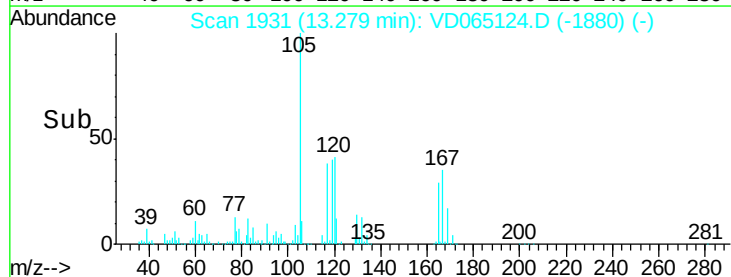
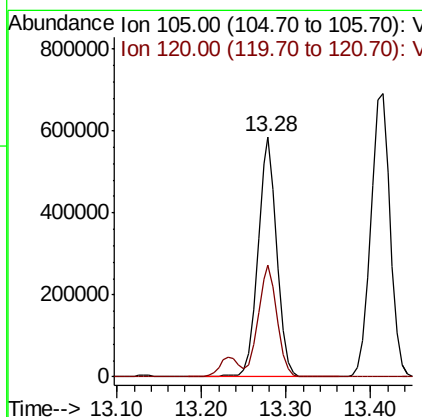
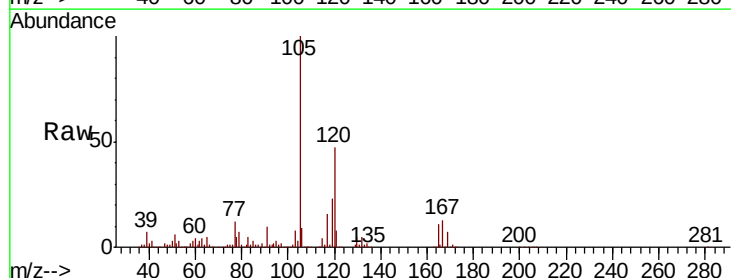
Manual Integrations
APPROVED

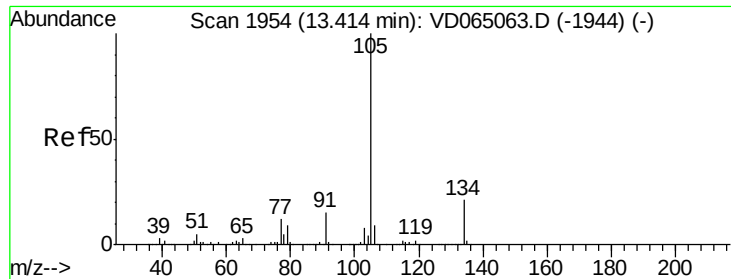
MMDadoda
2/11/2020 6:09:26 PM



#84
1,2,4-Trimethylbenzene
Concen: 51.115 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.5	70.5





#85

sec-Butylbenzene

Concen: 51.900 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.00 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1098456

Ion Ratio Lower Upper

105 100

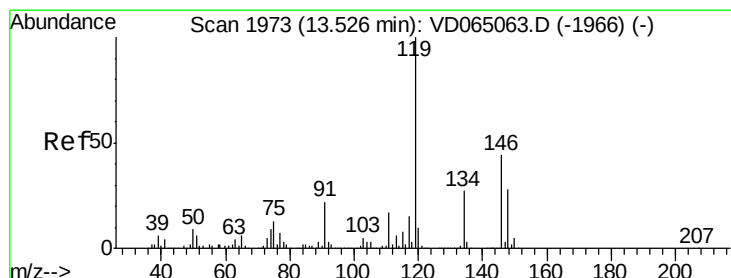
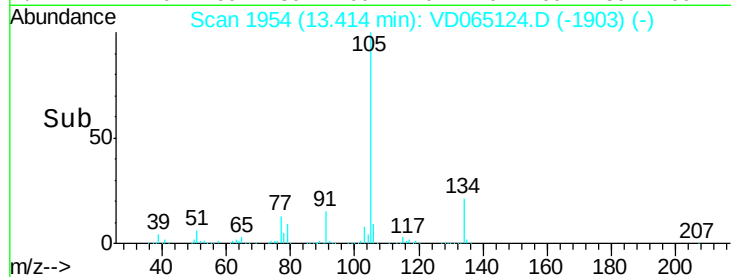
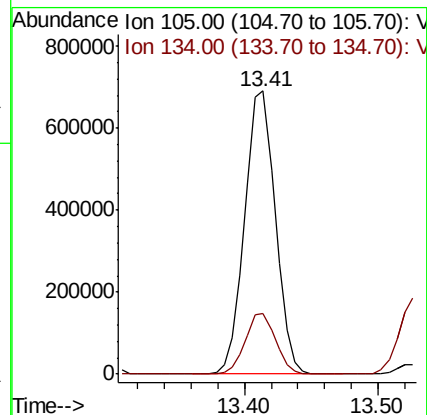
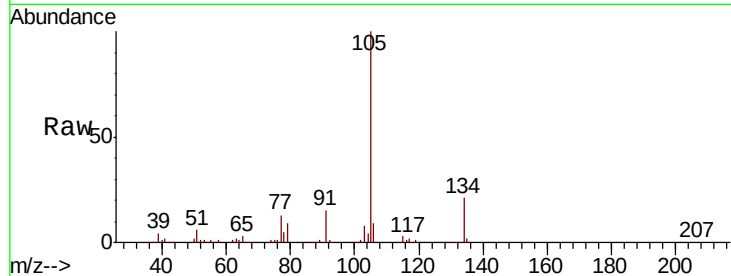
134 21.1 10.4 31.1

Manual Integrations

APPROVED

MMDadoda

2/11/2020 6:09:26 PM



#86

p-Isopropyltoluene

Concen: 52.332 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065124.D

Acq: 10 Feb 2020 10:41

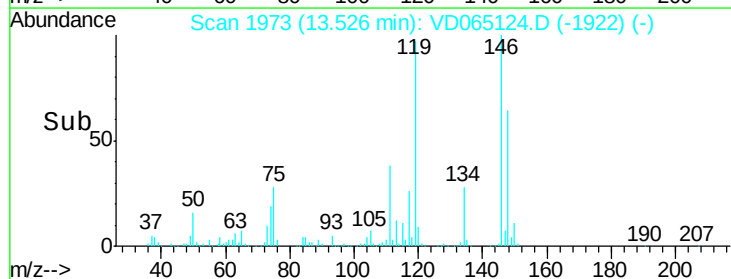
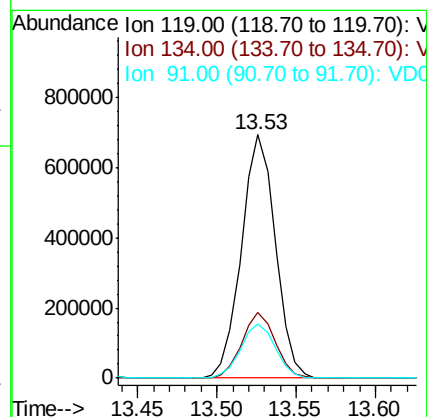
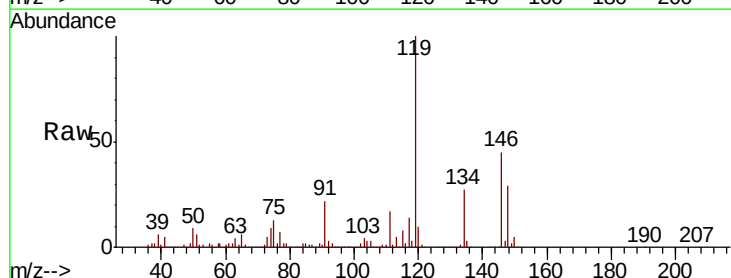
Tgt Ion:119 Resp: 1029105

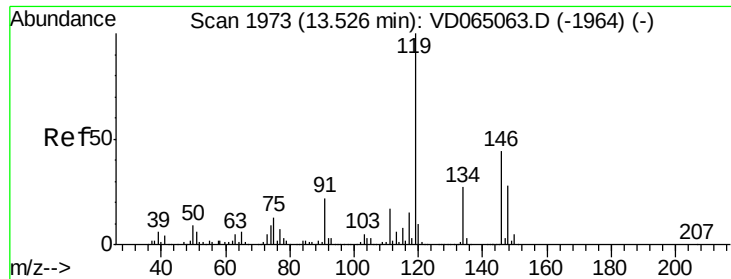
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

91 22.7 11.3 33.9





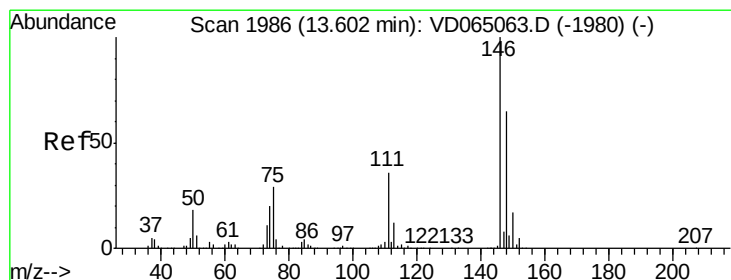
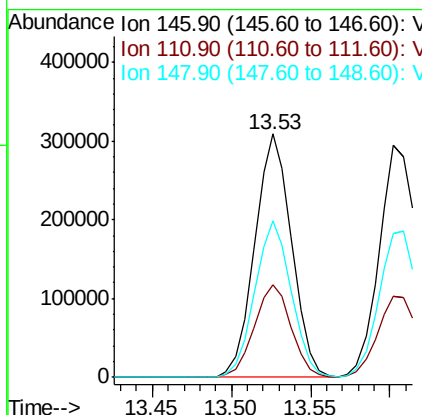
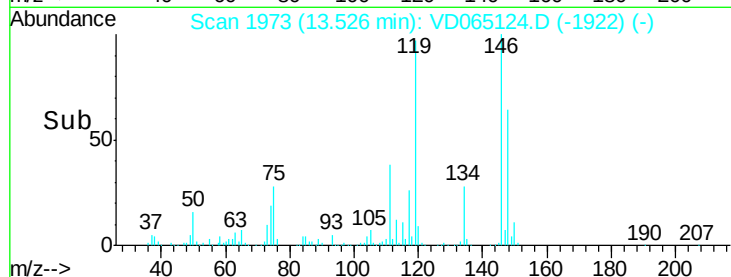
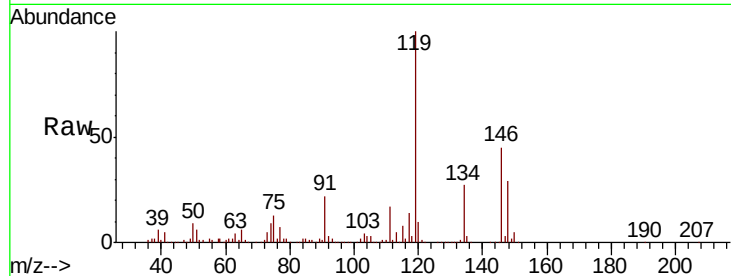
#87
 1,3-Dichlorobenzene
 Concen: 50.468 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	499852		
111	38.2	19.4	58.4	
148	63.6	32.3	96.8	

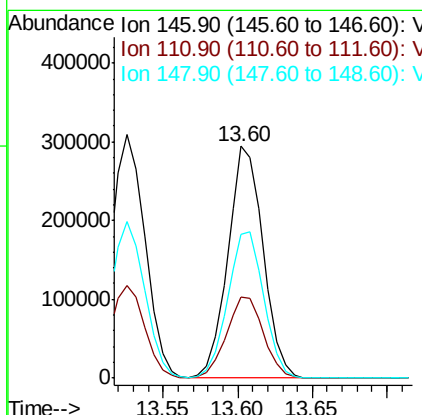
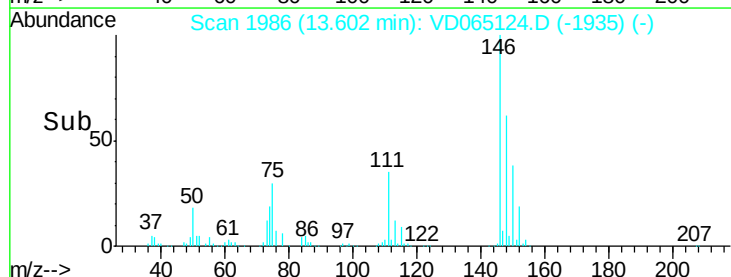
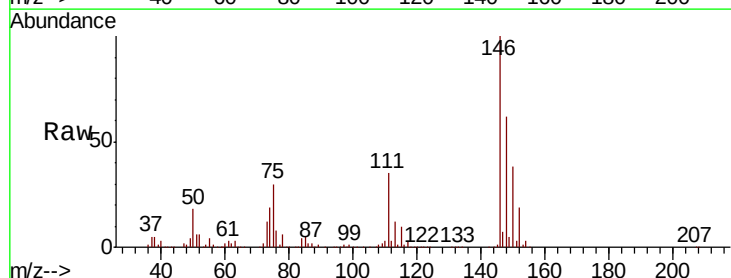
Manual Integrations
 APPROVED

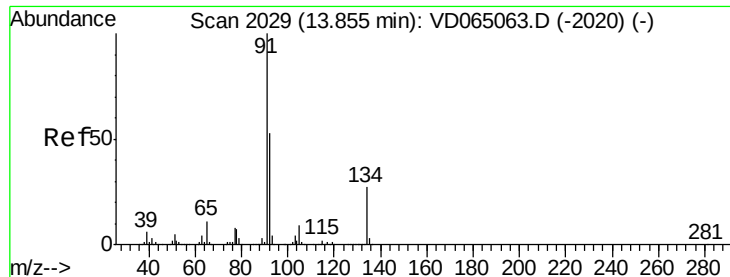
MMDadoda
 2/11/2020 6:09:26 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.147 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	484474		
111	36.7	18.5	55.5	
148	64.8	32.7	98.1	





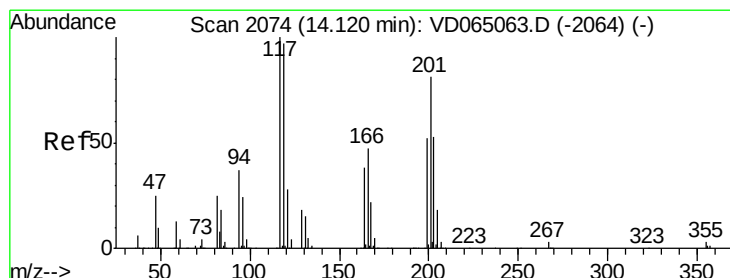
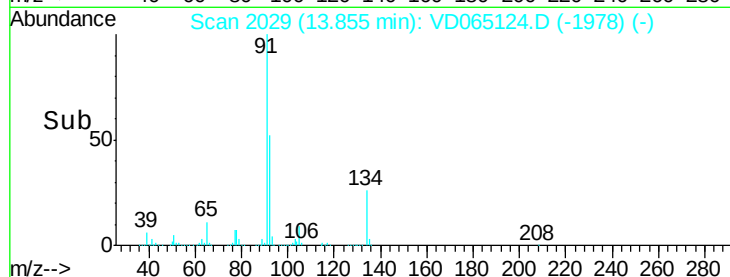
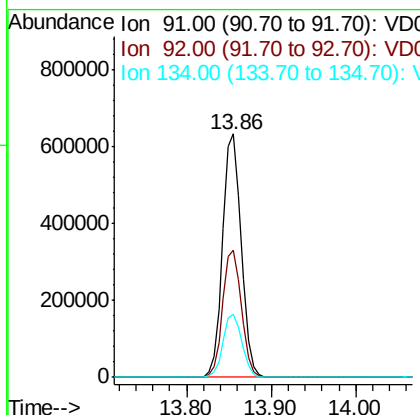
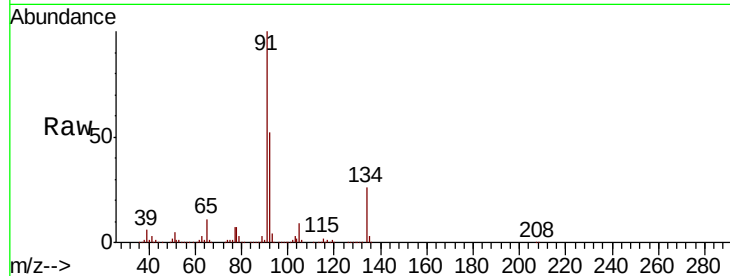
#89
n-Butylbenzene
Concen: 53.242 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.7	80.1
134	26.1	13.4	40.2

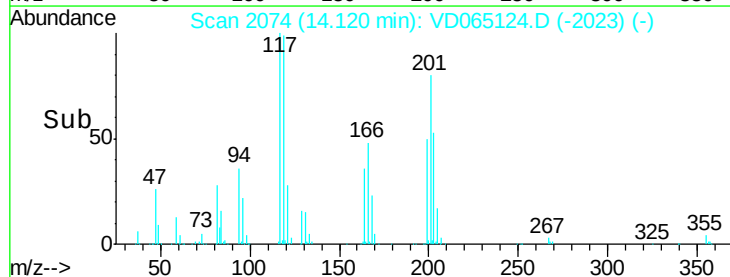
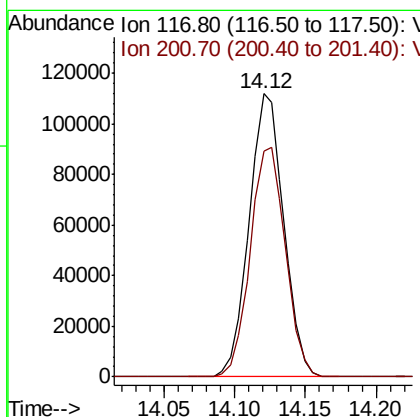
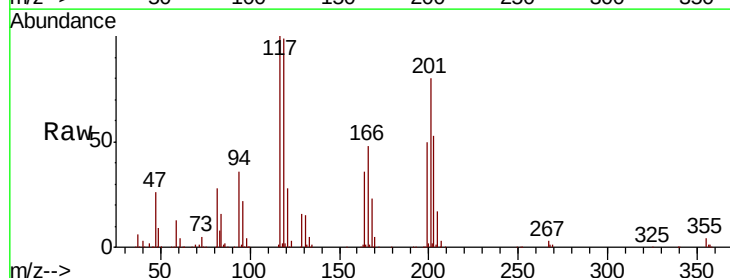
Manual Integrations
APPROVED

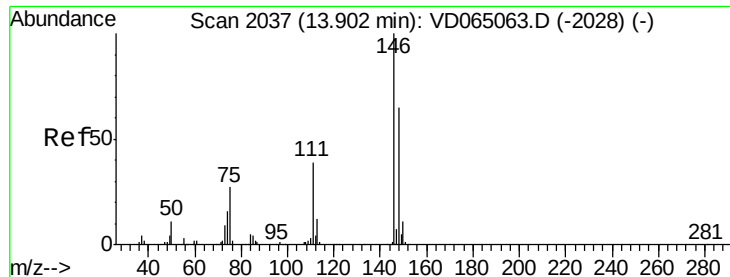
MMDadoda
2/11/2020 6:09:26 PM



#90
Hexachloroethane
Concen: 51.889 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	42.5	127.6





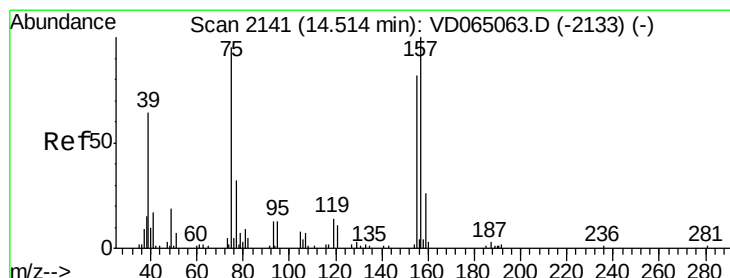
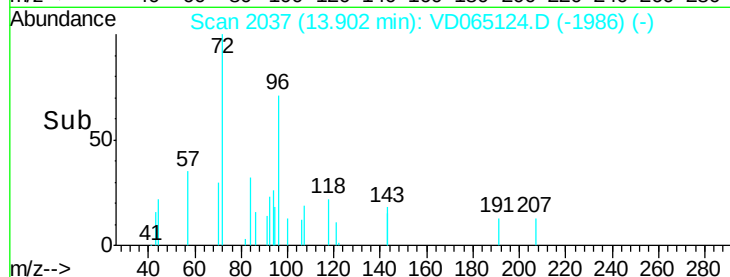
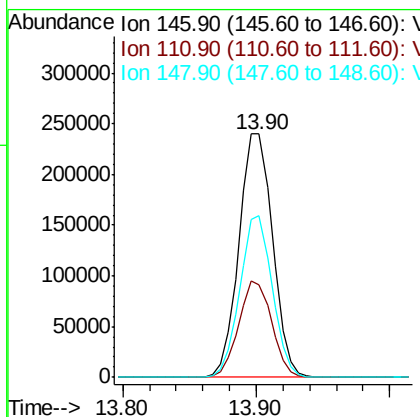
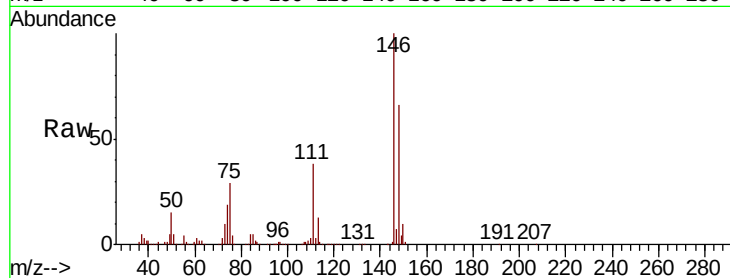
#91
 1,2-Dichlorobenzene
 Concen: 49.260 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.1
148	63.9	31.9	95.5

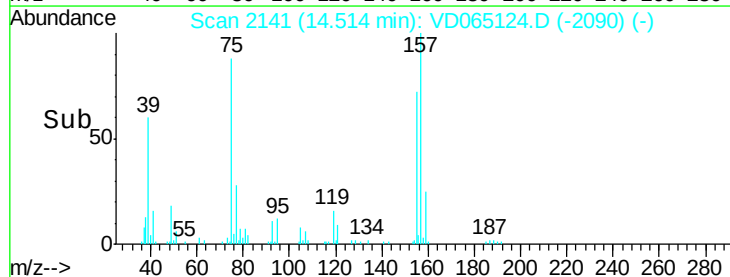
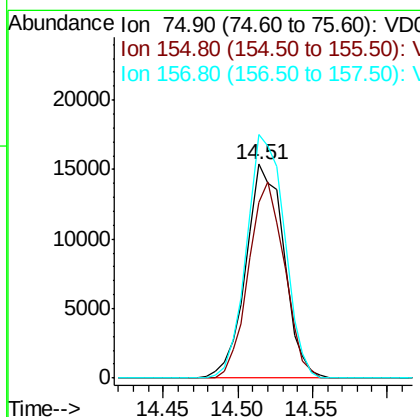
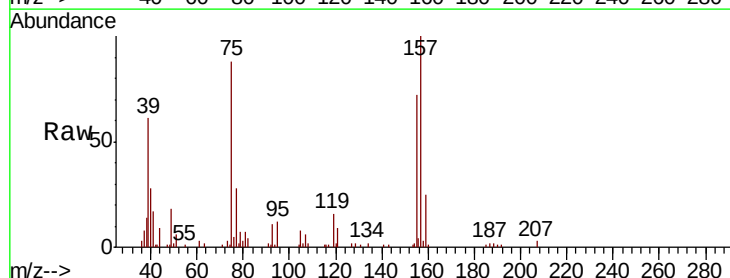
Manual Integrations
 APPROVED

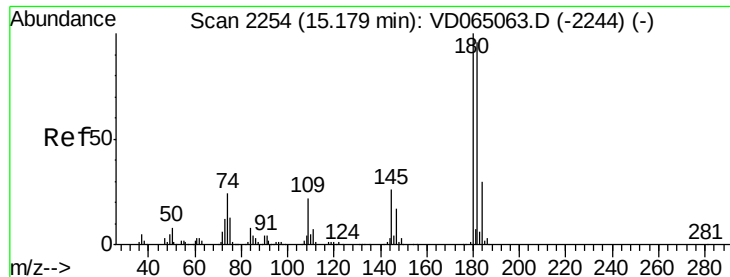
MMDadoda
 2/11/2020 6:09:26 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.027 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.4	43.4	130.1
157	113.2	55.8	167.3





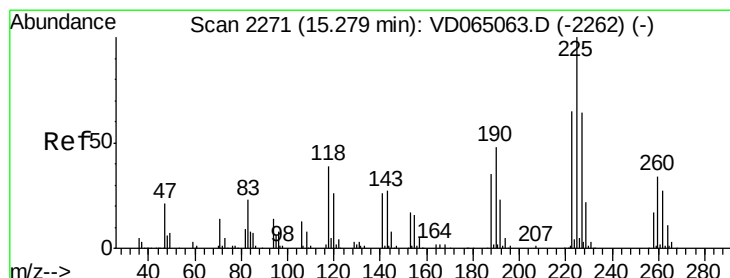
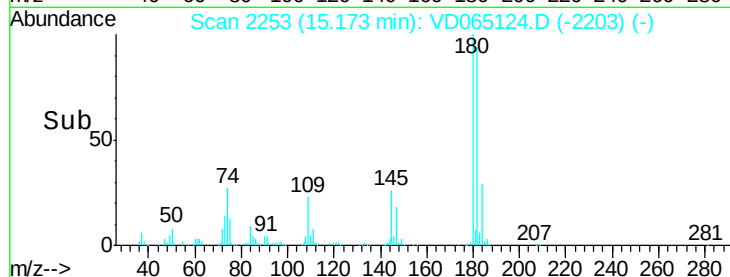
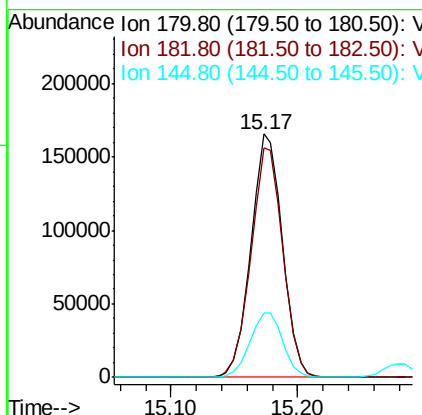
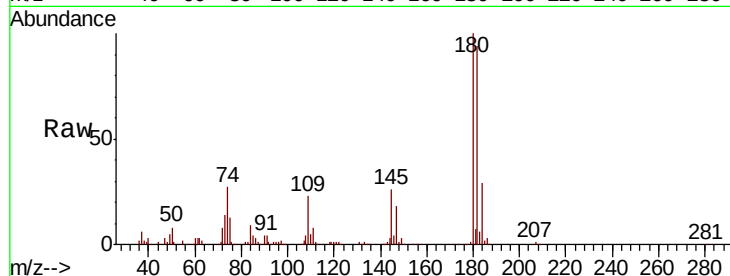
#93
 1,2,4-Trichlorobenzene
 Concen: 47.179 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	286061
Ion Ratio	Lower	Upper	
180	100		
182	95.4	47.4	142.3
145	27.7	14.1	42.4

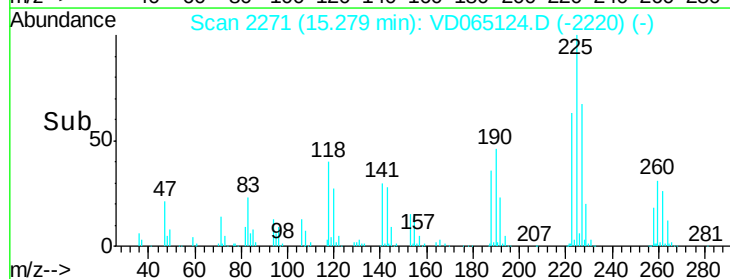
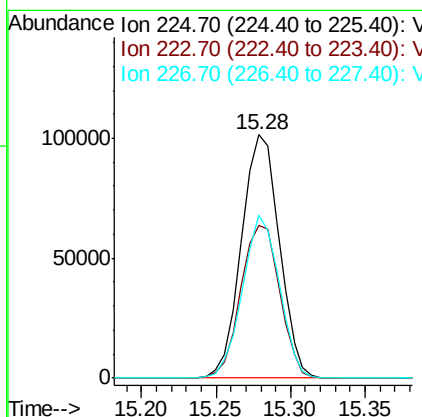
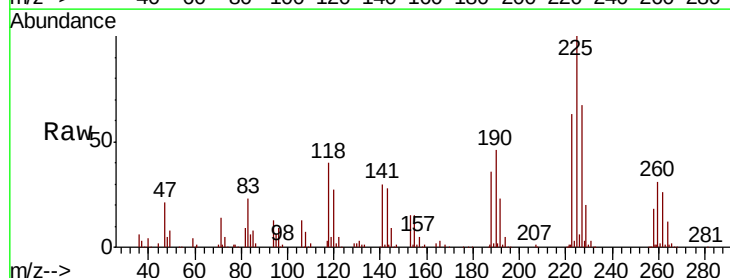
Manual Integrations
 APPROVED

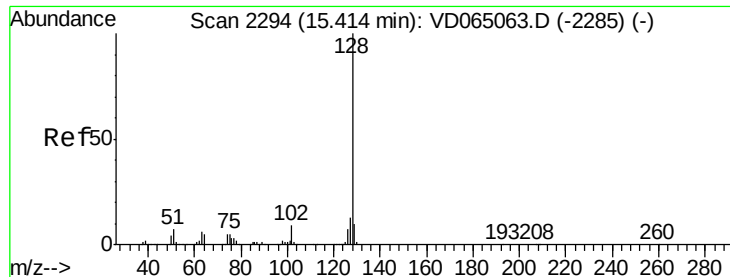
MMDadoda
 2/11/2020 6:09:26 PM



#94
 Hexachlorobutadiene
 Concen: 47.909 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065124.D
 Acq: 10 Feb 2020 10:41

Tgt Ion:	225	Resp:	178612
Ion Ratio	Lower	Upper	
225	100		
223	64.5	31.4	94.0
227	64.9	31.8	95.3





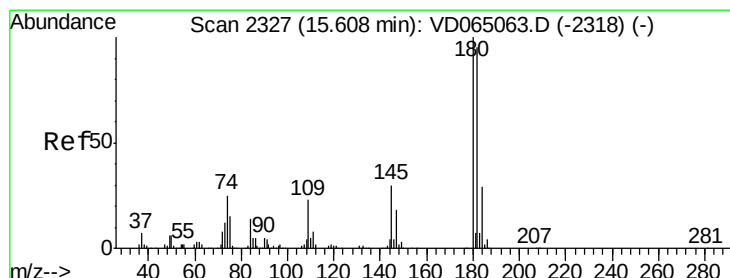
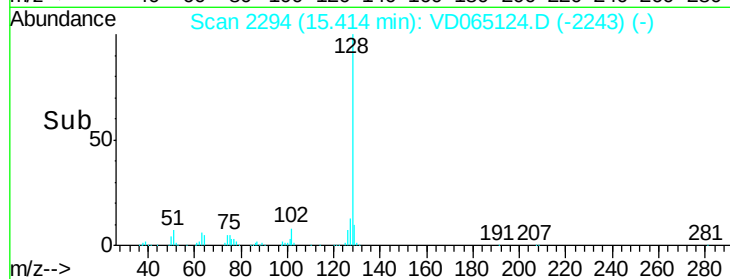
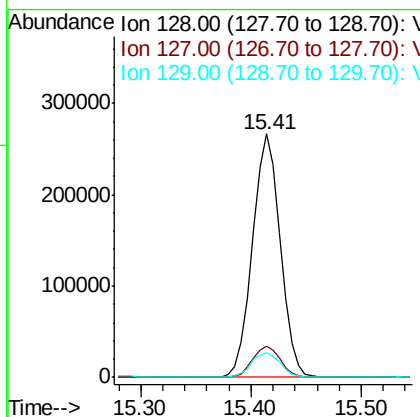
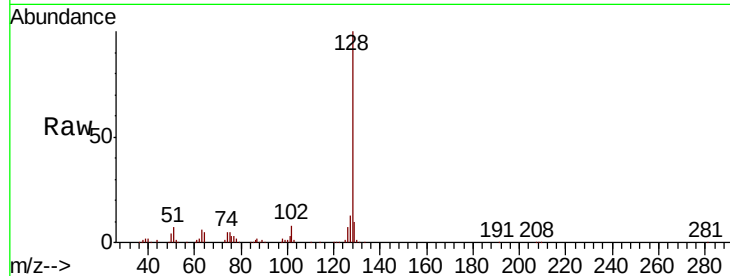
#95
Naphthalene
Concen: 46.886 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.6	15.8
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/11/2020 6:09:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 46.856 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065124.D
Acq: 10 Feb 2020 10:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	47.1	141.4
145	30.2	14.9	44.9

