

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065404.D
 Acq On : 04 Mar 2020 10:37
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:38:23 PM

Quant Time: Mar 04 16:10:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 15:55:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	442885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	676598	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	613370	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	297974	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	19382	5.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.14%	
35) Dibromofluoromethane	7.92	113	20561	4.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.80%	
50) Toluene-d8	10.34	98	73015	4.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.06%	
62) 4-Bromofluorobenzene	12.64	95	22488	4.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.94%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	20773	5.409	ug/l 98
3) Chloromethane	2.21	50	24450	5.315	ug/l 98
4) Vinyl Chloride	2.35	62	24256	5.332	ug/l 95
5) Bromomethane	2.78	94	17098	5.850	ug/l 99
6) Chloroethane	2.93	64	14548	5.240	ug/l 99
7) Trichlorofluoromethane	3.28	101	37628	5.611	ug/l 92
8) Diethyl Ether	3.71	74	9363	4.676	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	22169	5.135	ug/l 98
10) Methyl Iodide	4.30	142	17048	3.825	ug/l 96
11) Tert butyl alcohol	5.25	59	4559	22.068	ug/l # 76
12) 1,1-Dichloroethene	4.07	96	21113	5.111	ug/l 96
13) Acrolein	3.92	56	9786	25.964	ug/l 96
14) Allyl chloride	4.71	41	29963	4.709	ug/l 96
15) Acrylonitrile	5.43	53	20871	23.724	ug/l 97
16) Acetone	4.17	43	19728	25.321	ug/l # 83
17) Carbon Disulfide	4.40	76	70264	5.096	ug/l 98
18) Methyl Acetate	4.73	43	10044	5.042	ug/l 95
19) Methyl tert-butyl Ether	5.48	73	34055	4.242	ug/l 100
20) Methylene Chloride	4.97	84	29723	6.153	ug/l 97
21) trans-1,2-Dichloroethene	5.47	96	23468	5.093	ug/l 86
22) Diisopropyl ether	6.37	45	51889	4.345	ug/l # 93
23) Vinyl Acetate	6.31	43	123751	18.687	ug/l 98
24) 1,1-Dichloroethane	6.27	63	38465	5.071	ug/l 93
25) 2-Butanone	7.23	43	23716	22.249	ug/l 90
26) 2,2-Dichloropropane	7.21	77	33911	5.115	ug/l 98
27) cis-1,2-Dichloroethene	7.22	96	22427	4.747	ug/l 98
28) Bromochloromethane	7.55	49	17171	5.581	ug/l 97
29) Tetrahydrofuran	7.58	42	13452	19.645	ug/l 99
30) Chloroform	7.71	83	40235	5.275	ug/l 99
31) Cyclohexane	7.99	56	40552	5.373	ug/l # 86
32) 1,1,1-Trichloroethane	7.91	97	37427	5.346	ug/l 96
36) 1,1-Dichloropropene	8.12	75	31009	4.765	ug/l 99
37) Ethyl Acetate	7.30	43	11240	4.413	ug/l # 79
38) Carbon Tetrachloride	8.10	117	34141	5.083	ug/l 98

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030420\
 Data File : VD065404.D
 Acq On : 04 Mar 2020 10:37
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:38:23 PM

Quant Time: Mar 04 16:10:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 04 15:55:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	32082	4.126	ug/l	95
40) Benzene	8.36	78	87086	4.774	ug/l	99
41) Methacrylonitrile	7.53	41	5787	4.471	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	24143	5.030	ug/l	100
43) Isopropyl Acetate	8.46	43	19925	4.275	ug/l	93
44) Trichloroethene	9.11	130	25161	4.914	ug/l	98
45) 1,2-Dichloropropane	9.39	63	21036	4.748	ug/l	91
46) Dibromomethane	9.48	93	11512	4.998	ug/l	97
47) Bromodichloromethane	9.67	83	29192	4.882	ug/l	93
48) Methyl methacrylate	9.46	41	8634	3.916	ug/l #	92
49) 1,4-Dioxane	9.47	88	2197	82.864	ug/l #	92
51) 4-Methyl-2-Pentanone	10.24	43	45050	19.112	ug/l	97
52) Toluene	10.41	92	49325	4.288	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	24276	4.315	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	28912	4.255	ug/l	94
55) 1,1,2-Trichloroethane	10.81	97	15231	4.676	ug/l	93
56) Ethyl methacrylate	10.67	69	12916	3.497	ug/l	95
57) 1,3-Dichloropropane	10.95	76	25074	4.536	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	22268	16.960	ug/l	99
59) 2-Hexanone	10.99	43	30287	18.535	ug/l	92
60) Dibromochloromethane	11.14	129	19617	4.677	ug/l	97
61) 1,2-Dibromoethane	11.25	107	14592	4.690	ug/l	96
64) Tetrachloroethene	10.88	164	22368	5.077	ug/l	96
65) Chlorobenzene	11.68	112	58352	4.782	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.75	131	21316	4.785	ug/l	99
67) Ethyl Benzene	11.75	91	92285	4.387	ug/l	100
68) m/p-Xylenes	11.86	106	67067	8.270	ug/l	96
69) o-Xylene	12.18	106	29110	4.081	ug/l	99
70) Styrene	12.20	104	49545	3.938	ug/l	99
71) Bromoform	12.37	173	11497	4.575	ug/l #	95
73) Isopropylbenzene	12.48	105	78646	4.019	ug/l	99
74) N-amyl acetate	12.30	43	16574	4.101	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.74	83	16121	4.644	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	8772m	2.131	ug/l	
77) Bromobenzene	12.77	156	22084	4.501	ug/l	98
78) n-propylbenzene	12.83	91	97282	4.177	ug/l	100
79) 2-Chlorotoluene	12.91	91	55972	4.272	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	64117	3.980	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	4838	4.332	ug/l #	89
82) 4-Chlorotoluene	13.01	91	60690	4.394	ug/l	99
83) tert-Butylbenzene	13.23	119	55787	4.101	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	64236	4.039	ug/l	99
85) sec-Butylbenzene	13.41	105	78144	4.025	ug/l	97
86) p-Isopropyltoluene	13.53	119	69516	3.922	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	44478	4.746	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	46141	4.935	ug/l	97
89) n-Butylbenzene	13.86	91	68573	4.193	ug/l	97
90) Hexachloroethane	14.12	117	18347	5.013	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	38424	4.783	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.53	75	2654	4.980	ug/l	84

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030420\
Data File : VD065404.D
Acq On : 04 Mar 2020 10:37
Operator : VA/SY
Sample : VSTDICC005
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

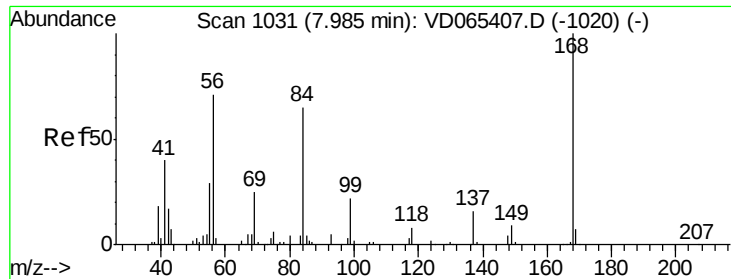
Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:38:23 PM

Quant Time: Mar 04 16:10:19 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030420S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 04 15:55:15 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	23050	4.265	ug/l	94
94) Hexachlorobutadiene	15.28	225	16053	4.541	ug/l	96
95) Naphthalene	15.41	128	29918	3.442	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.61	180	20200	4.303	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 442885

Ion Ratio Lower Upper

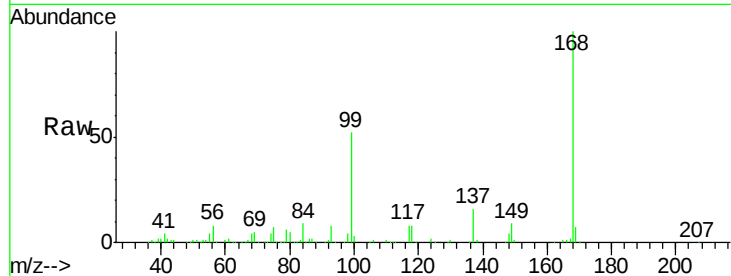
168 100

99 52.0 41.5 62.3

Manual Integrations
APPROVED

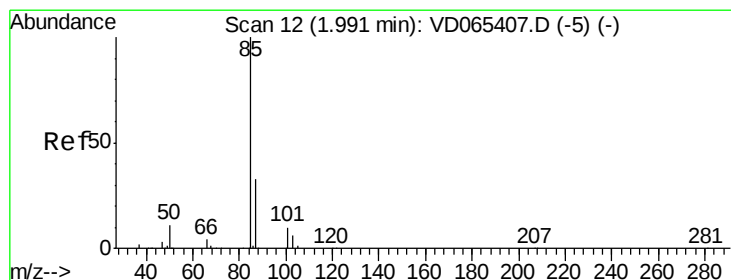
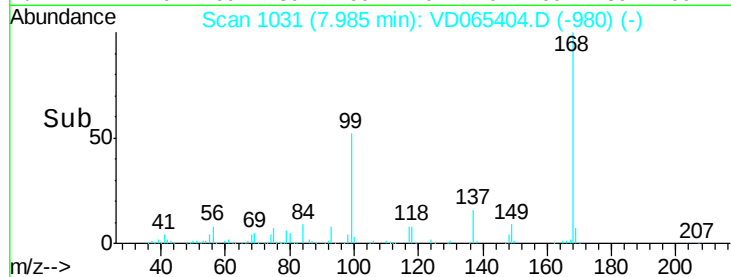
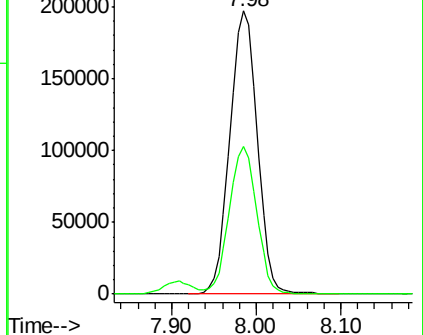
MMDadoda

3/5/2020 1:38:23 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 5.409 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065404.D

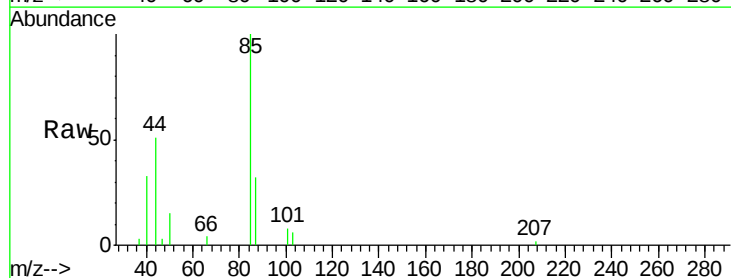
Acq: 04 Mar 2020 10:37

Tgt Ion: 85 Resp: 20773

Ion Ratio Lower Upper

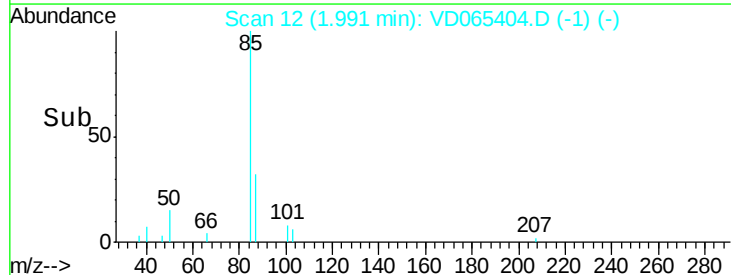
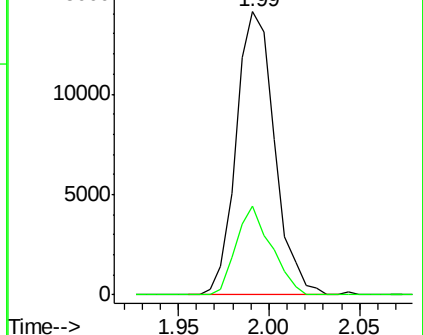
85 100

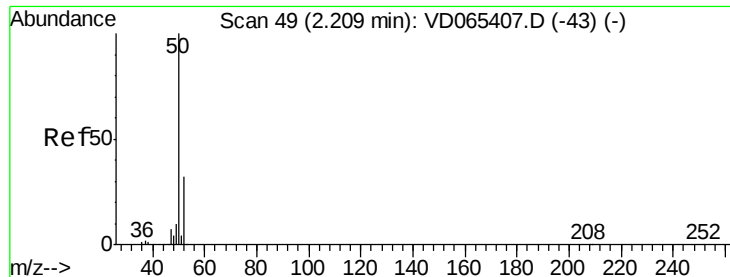
87 31.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.315 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 24450

Ion Ratio Lower Upper

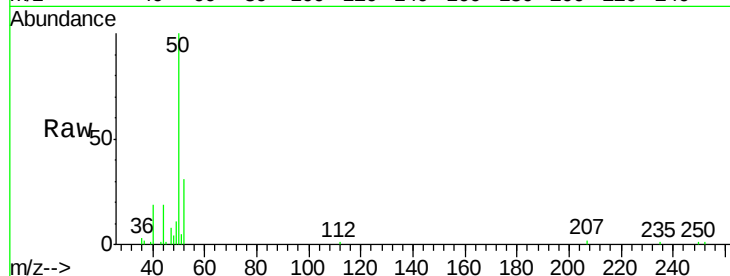
50 100

52 31.0 25.8 38.8

Manual Integrations
APPROVED

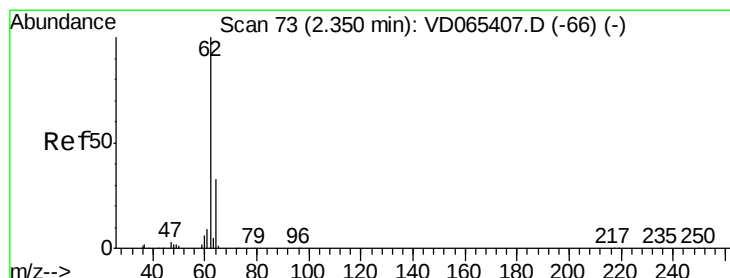
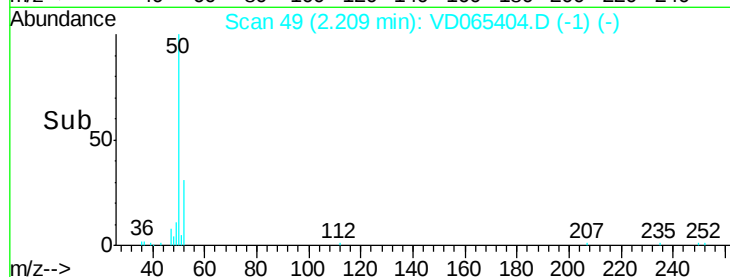
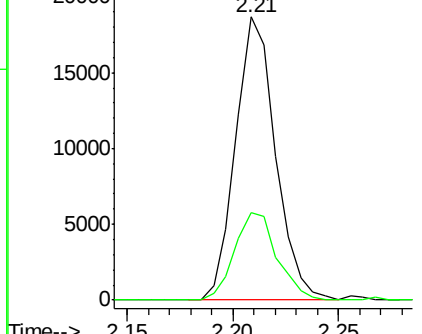
MMDadoda

3/5/2020 1:38:23 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.332 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065404.D

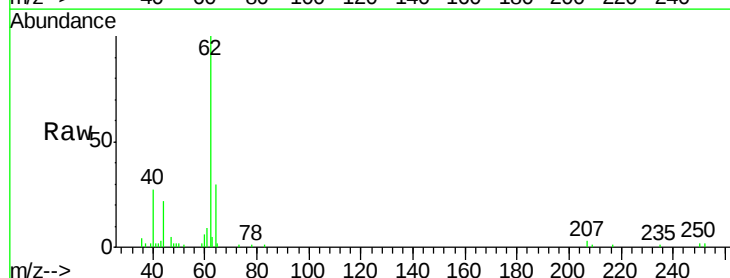
Acq: 04 Mar 2020 10:37

Tgt Ion: 62 Resp: 24256

Ion Ratio Lower Upper

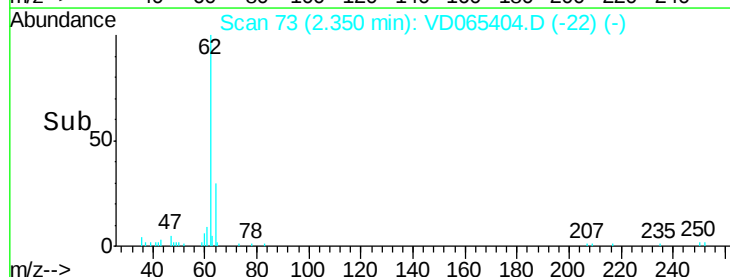
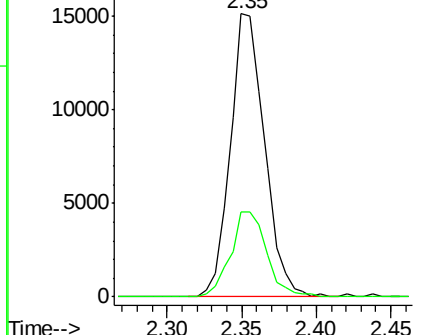
62 100

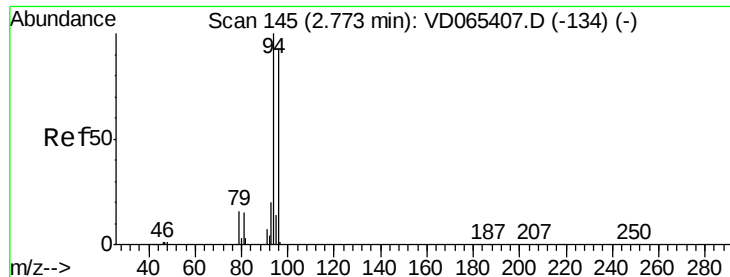
64 30.1 26.6 39.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 5.850 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 17098

Ion Ratio Lower Upper

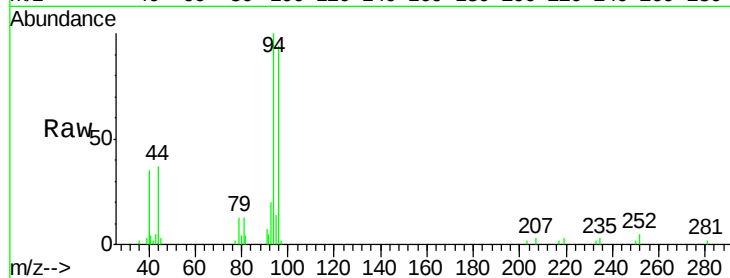
94 100

96 93.7 74.4 111.6

Manual Integrations
APPROVED

MMDadoda

3/5/2020 1:38:23 PM

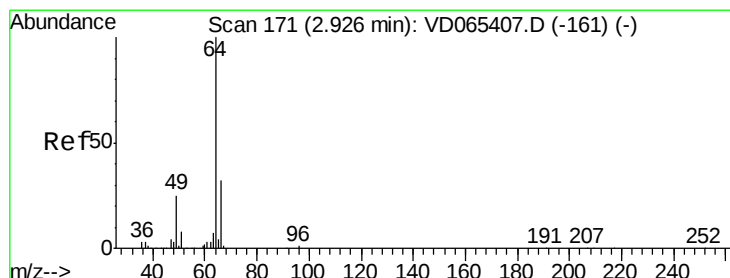
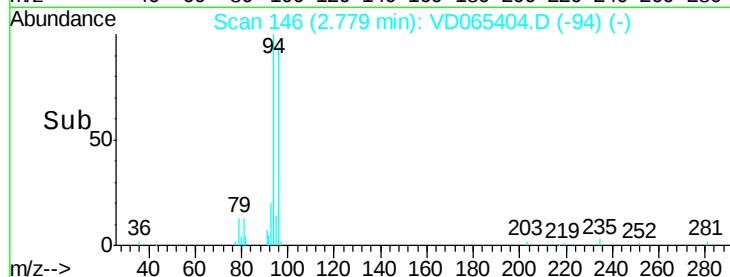


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

Time-->



#6

Chloroethane

Concen: 5.240 ug/l

RT: 2.93 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD065404.D

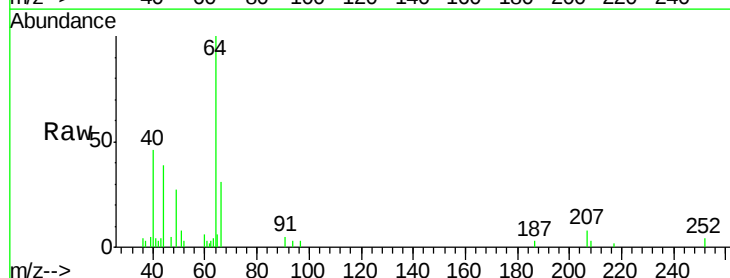
Acq: 04 Mar 2020 10:37

Tgt Ion: 64 Resp: 14548

Ion Ratio Lower Upper

64 100

66 31.4 25.6 38.4

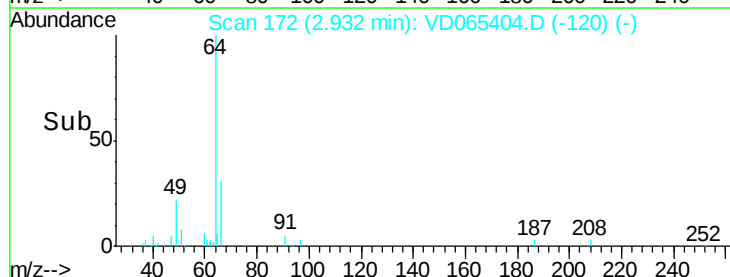


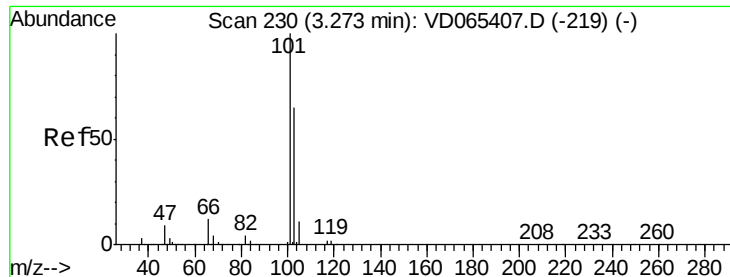
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

Time-->





#7

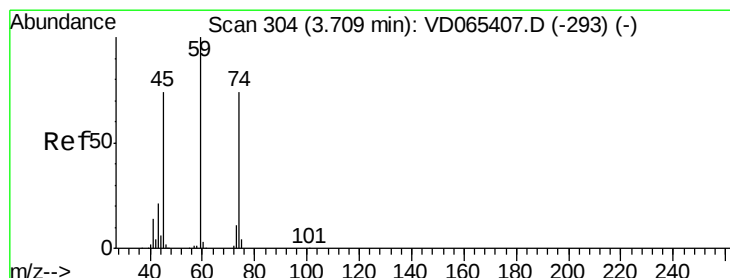
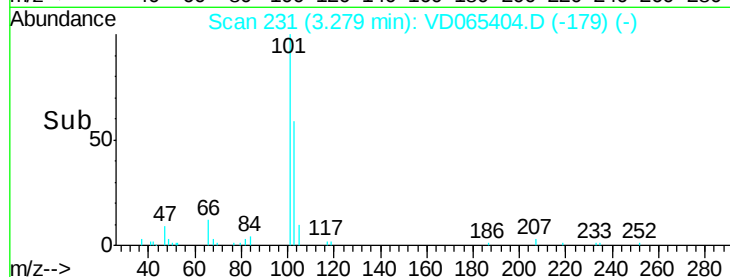
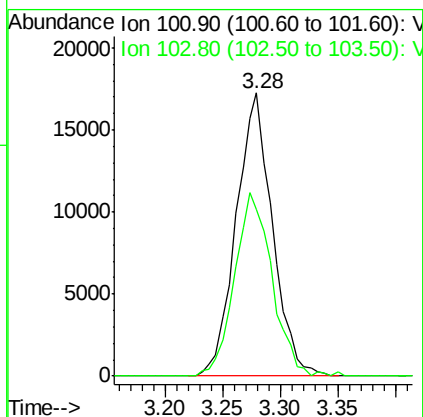
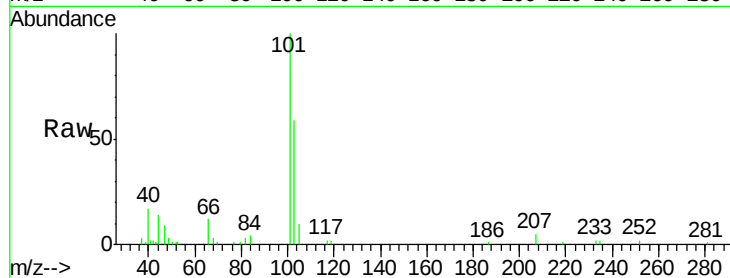
Trichlorofluoromethane
 Concen: 5.611 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.9	52.1	78.1

Manual Integrations
 APPROVED

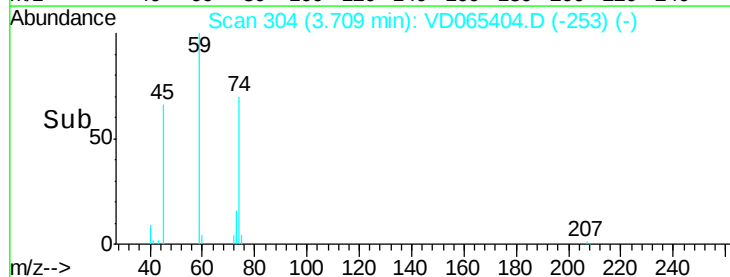
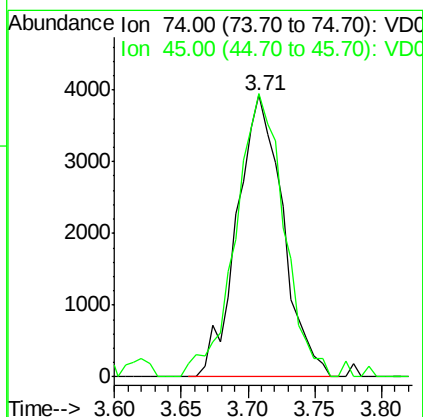
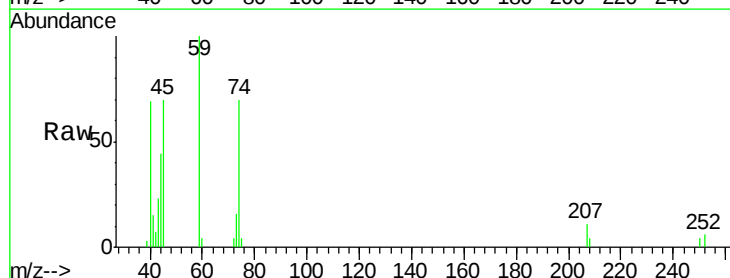
MMDadoda
 3/5/2020 1:38:23 PM

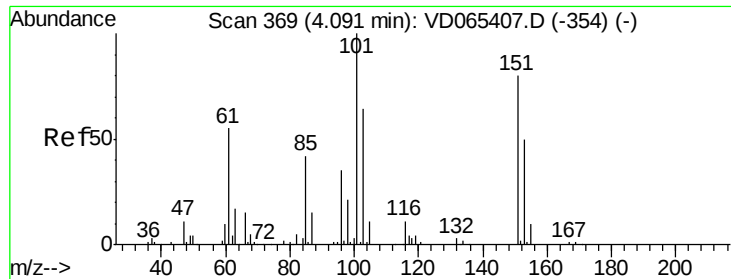


#8

Diethyl Ether
 Concen: 4.676 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.7	49.5	148.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.135 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Instrument :

MSVOA_D

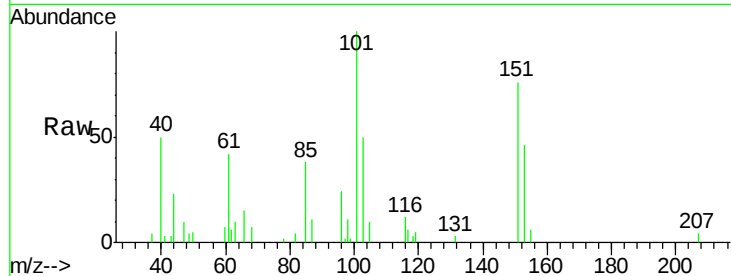
ClientSampleId :

VSTDIC005

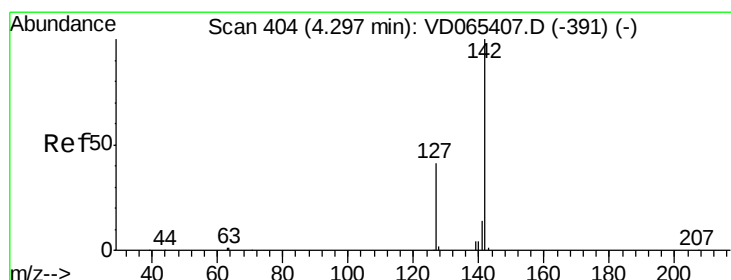
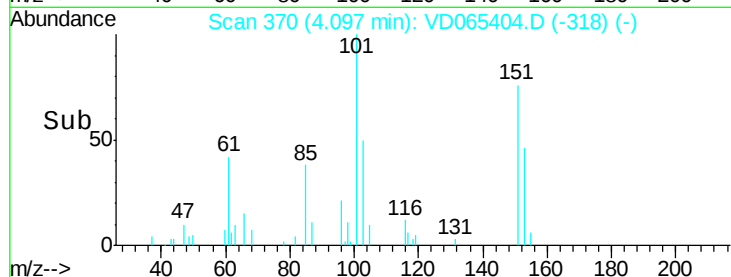
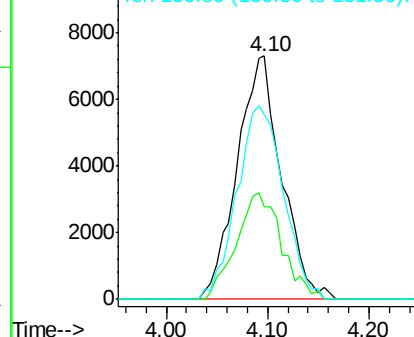
Tot Ion:	101	Resp:	22169
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.2	51.2
151	83.3	65.1	97.7

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:38:23 PM



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



#10

Methyl Iodide

Concen: 3.825 ug/l

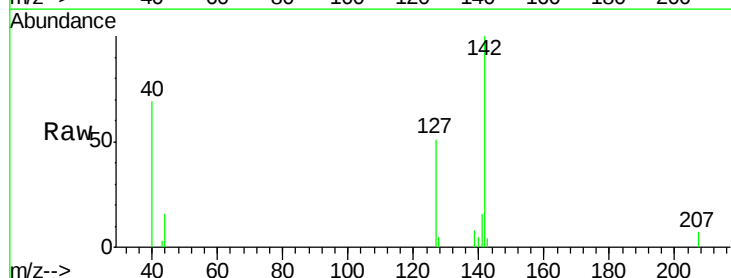
RT: 4.30 min Scan# 404

Delta R.T. -0.00 min

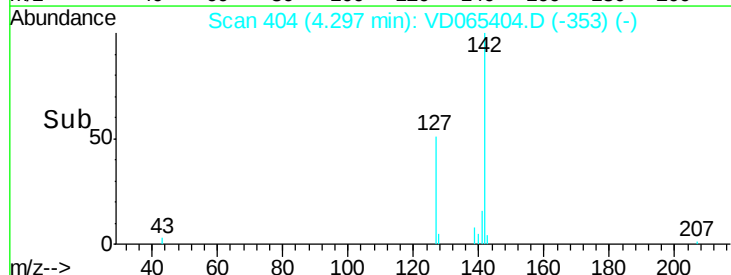
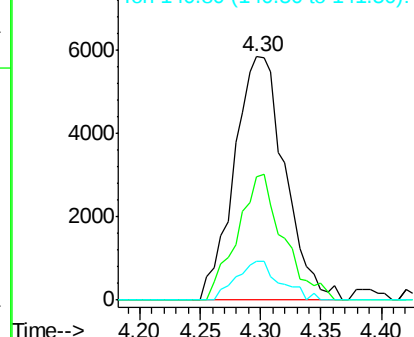
Lab File: VD065404.D

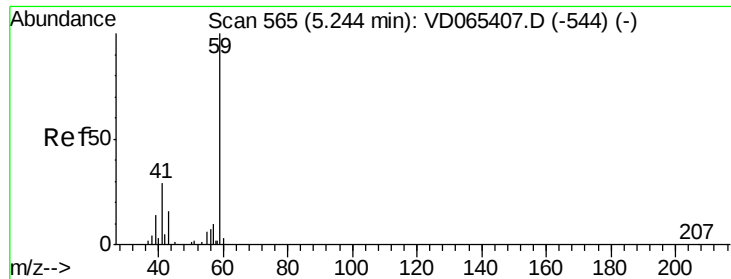
Acq: 04 Mar 2020 10:37

Tgt Ion:	142	Resp:	17048
Ion Ratio	Lower	Upper	
142	100		
127	46.8	35.0	52.6
141	13.9	12.4	18.6



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





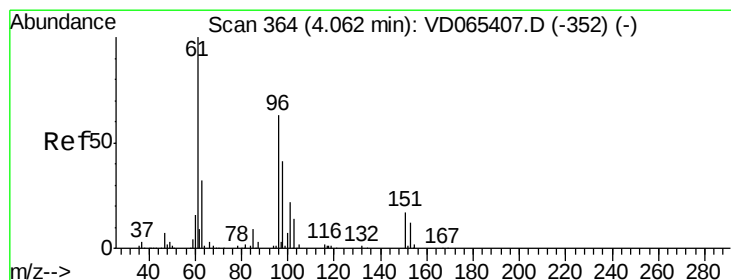
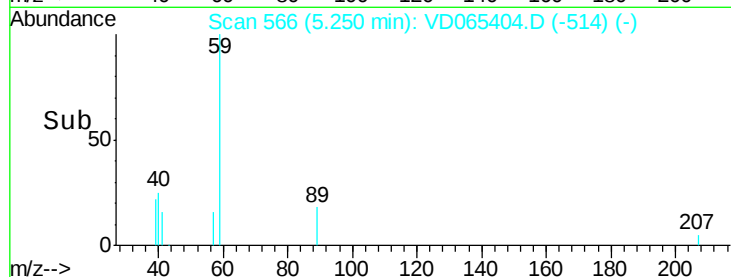
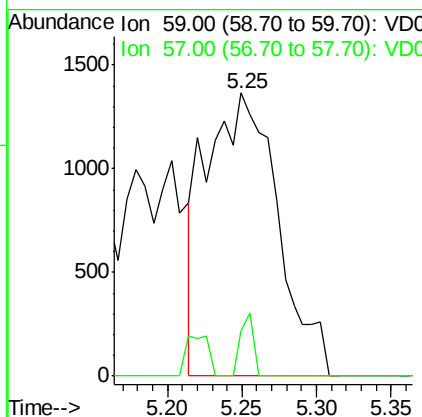
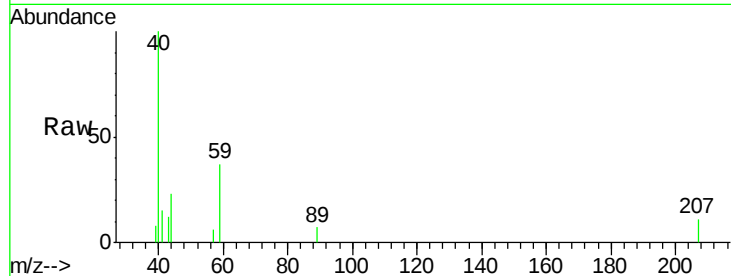
#11
Tert butyl alcohol
Concen: 22.068 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 4559
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#

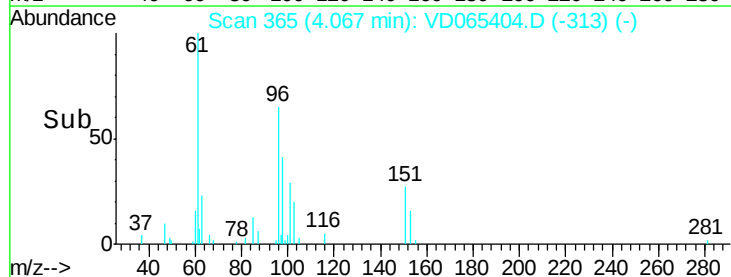
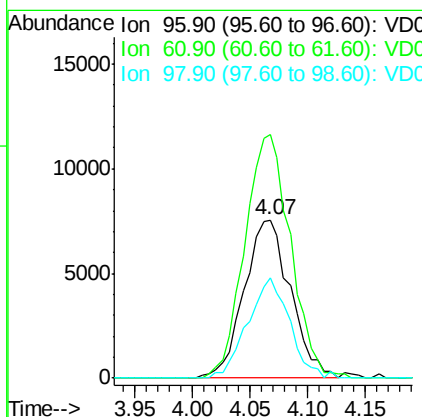
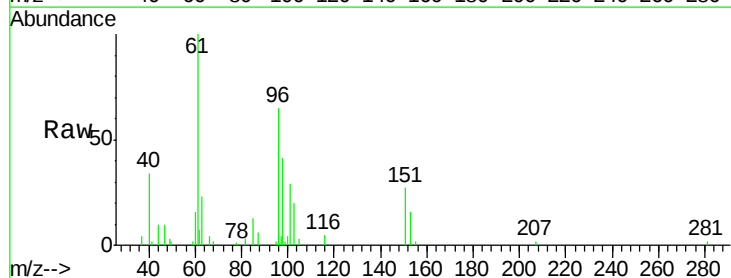
Manual Integrations
APPROVED

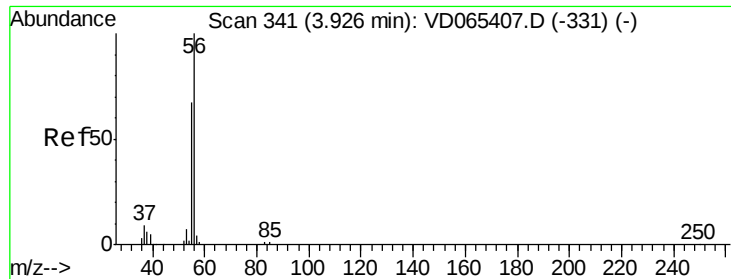
MMDadoda
3/5/2020 1:38:23 PM



#12
1,1-Dichloroethene
Concen: 5.111 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Tgt Ion: 96 Resp: 21113
Ion Ratio Lower Upper
96 100
61 153.9 128.0 192.0
98 63.4 51.9 77.9





#13

Acrolein

Concen: 25.964 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 9786

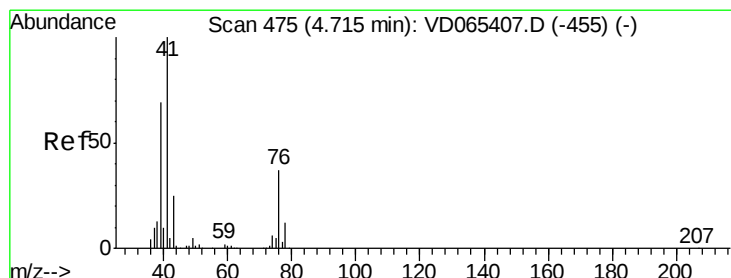
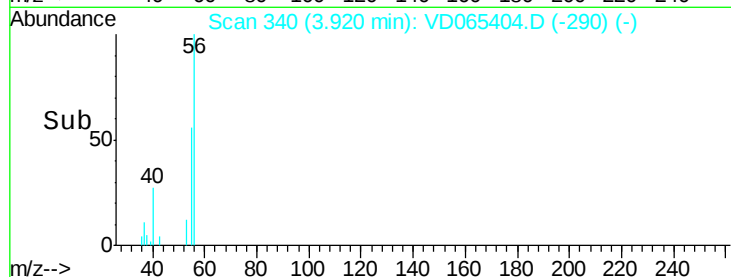
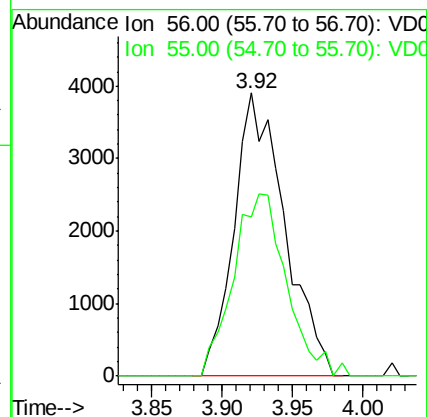
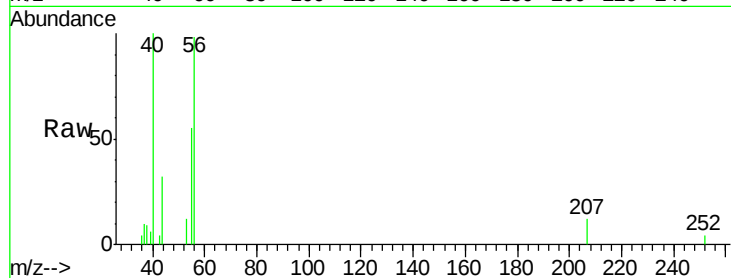
Ion Ratio Lower Upper

56 100

55 67.8 56.6 85.0

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:38:23 PM



#14

Allyl chloride

Concen: 4.709 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

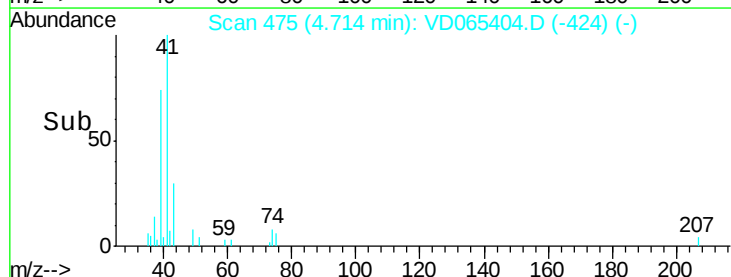
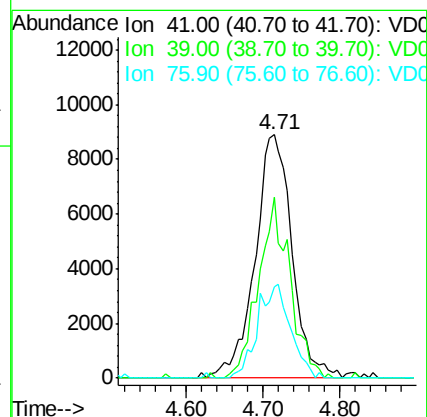
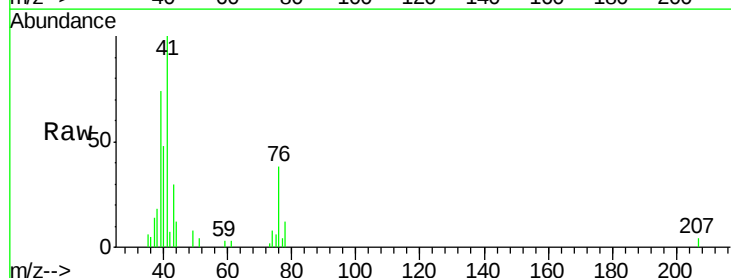
Tgt Ion: 41 Resp: 29963

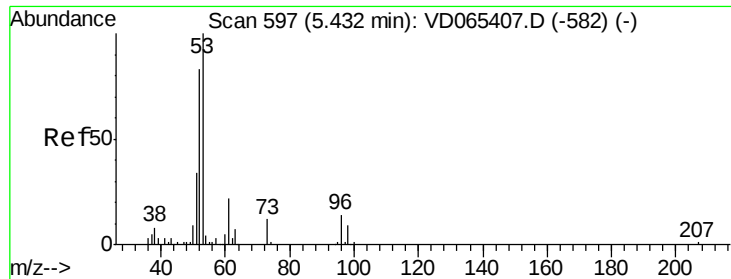
Ion Ratio Lower Upper

41 100

39 63.1 52.6 79.0

76 34.1 29.2 43.8





#15

Acrylonitrile

Concen: 23.724 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Instrument :

MSVOA_D

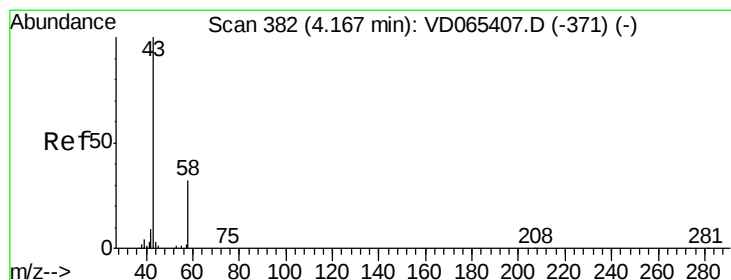
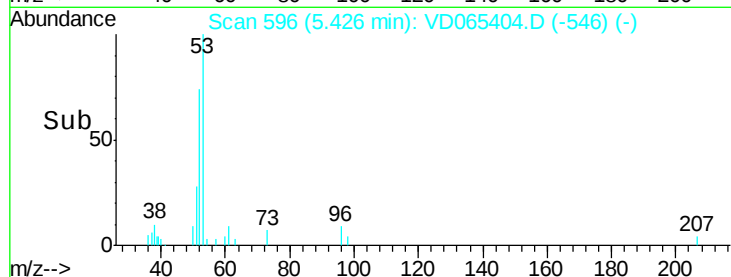
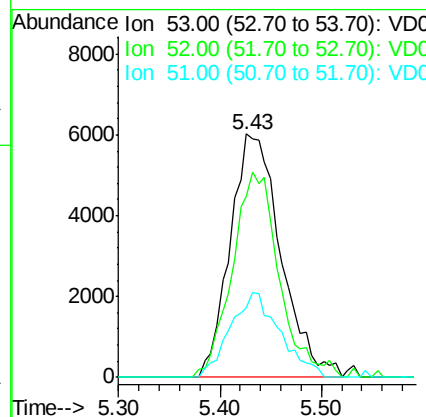
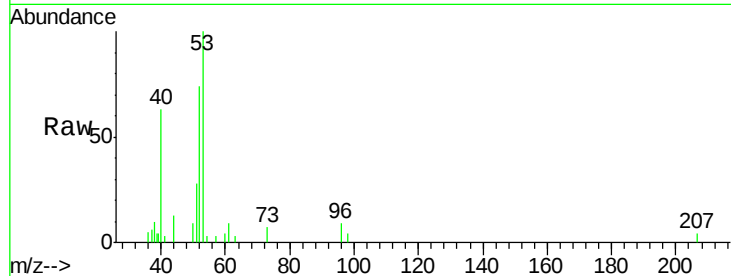
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	20871
Ion	Ratio	Lower	Upper
53	100		
52	78.1	65.1	97.7
51	34.1	28.5	42.7

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:38:23 PM



#16

Acetone

Concen: 25.321 ug/l

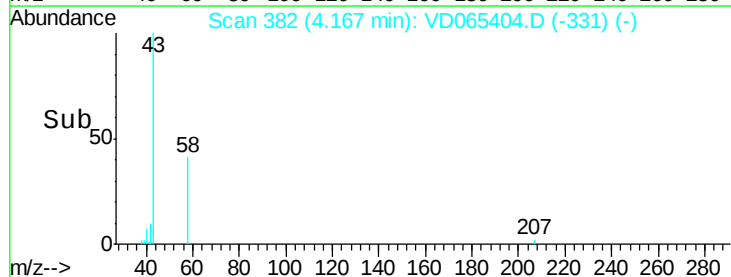
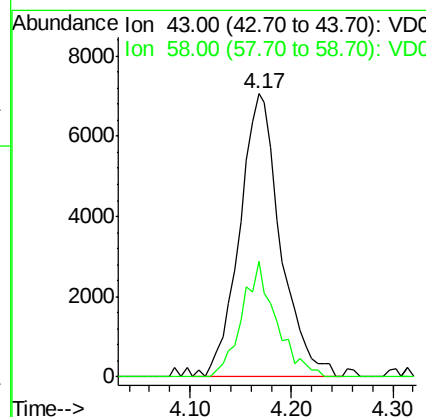
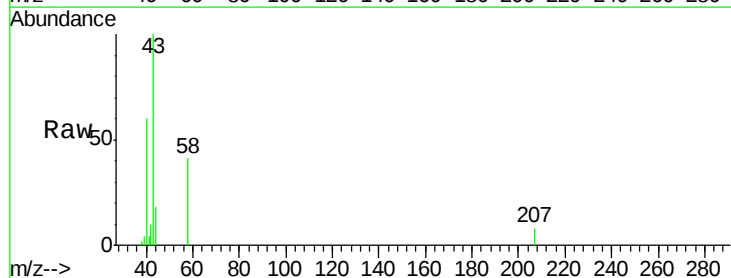
RT: 4.17 min Scan# 382

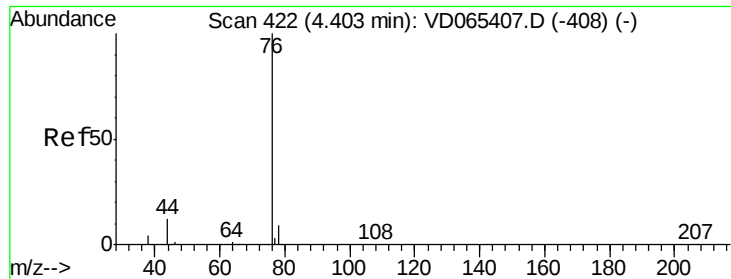
Delta R.T. -0.00 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Tgt Ion:	43	Resp:	19728
Ion	Ratio	Lower	Upper
43	100		
58	40.7	25.1	37.7#





#17

Carbon Disulfide

Concen: 5.096 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 70264

Ion Ratio Lower Upper

76 100

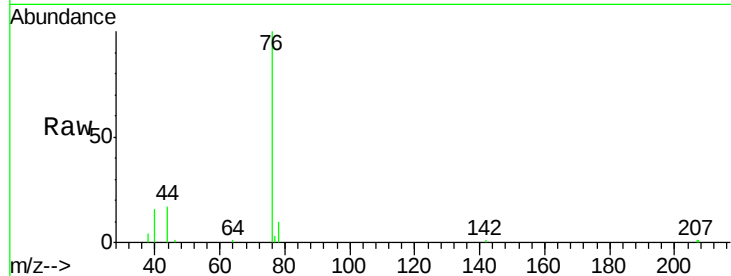
78 9.9 7.4 11.0

Manual Integrations

APPROVED

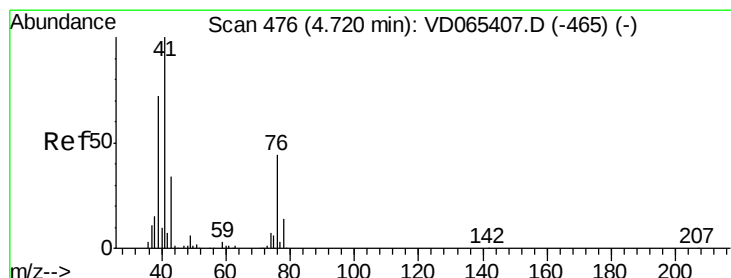
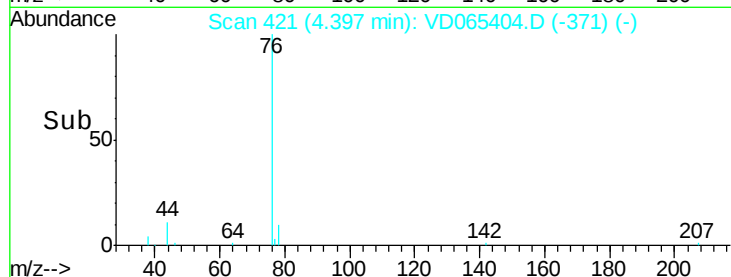
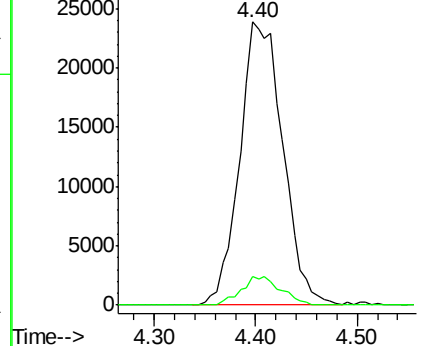
MMDadoda

3/5/2020 1:38:23 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 5.042 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD065404.D

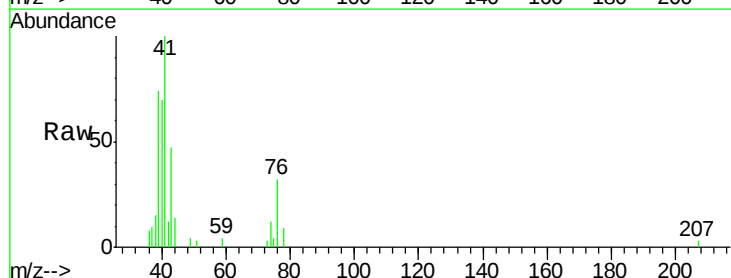
Acq: 04 Mar 2020 10:37

Tgt Ion: 43 Resp: 10044

Ion Ratio Lower Upper

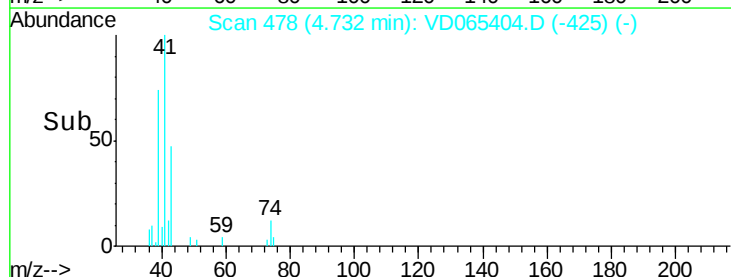
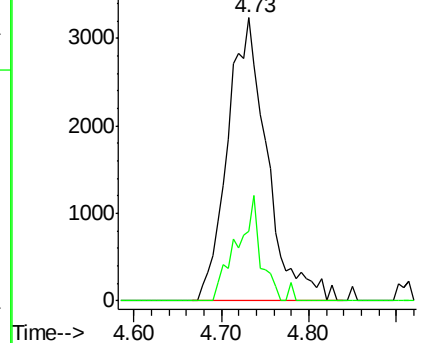
43 100

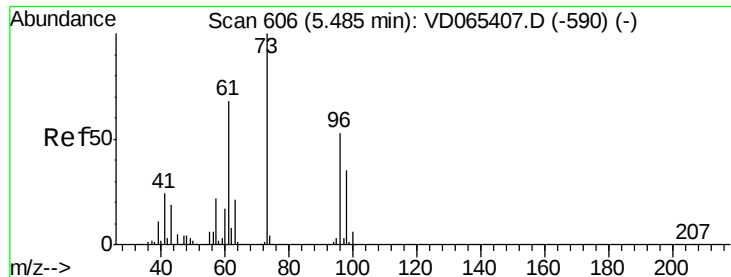
74 22.1 19.6 29.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





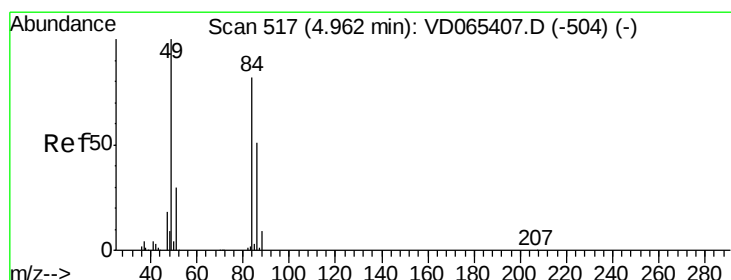
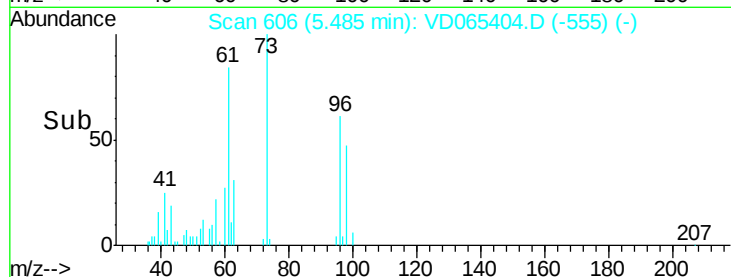
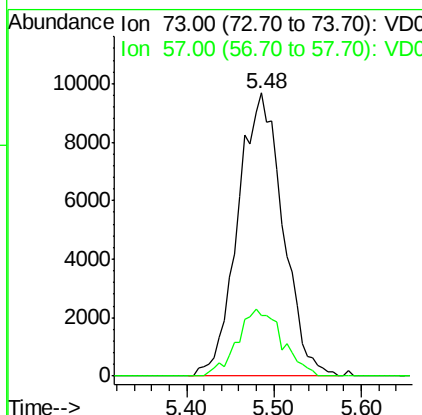
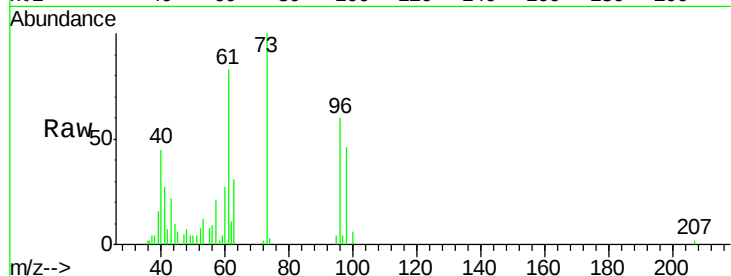
#19
Methvl tert-butvl Ether
Concen: 4.242 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 34055
Ion Ratio Lower Upper
73 100
57 21.5 17.3 25.9

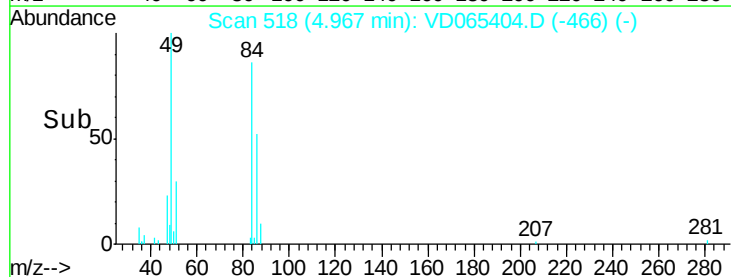
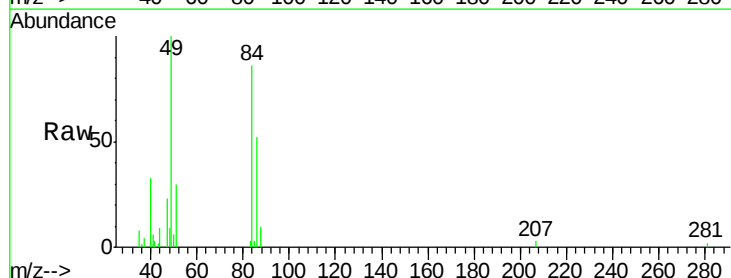
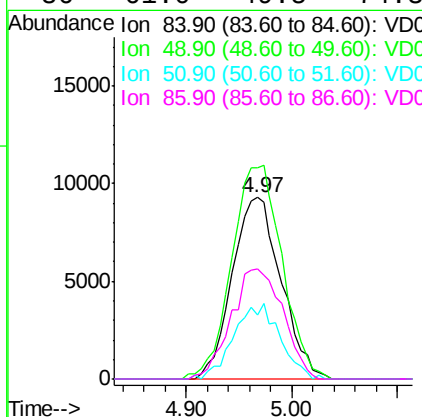
Manual Integrations
APPROVED

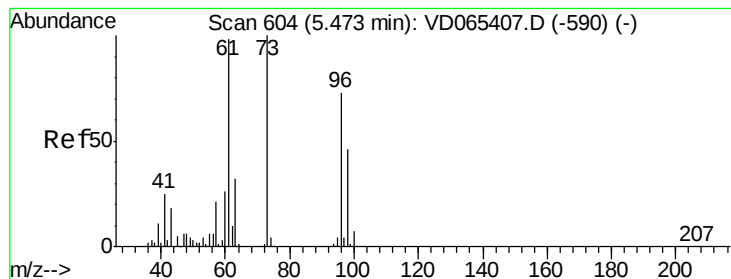
MMDadoda
3/5/2020 1:38:23 PM



#20
Methylene Chloride
Concen: 6.153 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Tgt Ion: 84 Resp: 29723
Ion Ratio Lower Upper
84 100
49 116.3 97.7 146.5
51 35.3 28.8 43.2
86 61.0 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 5.093 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Instrument :

MSVOA_D

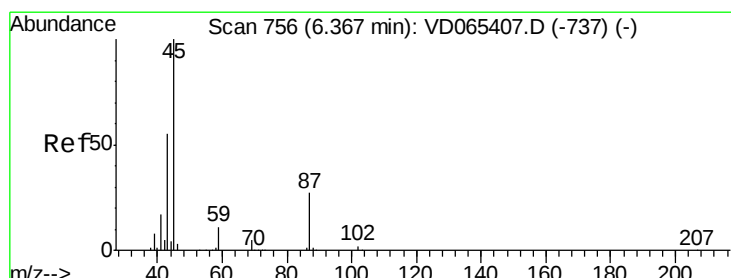
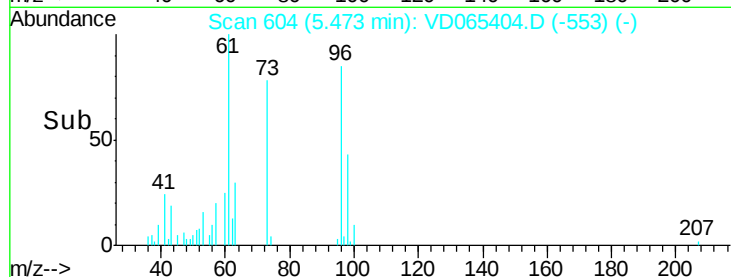
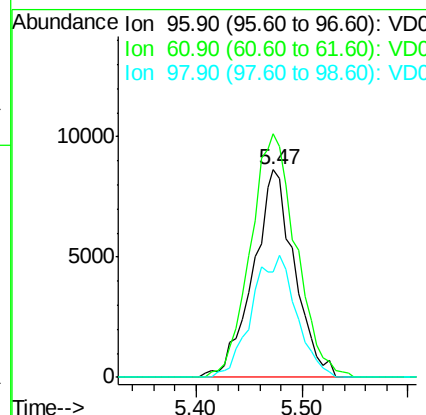
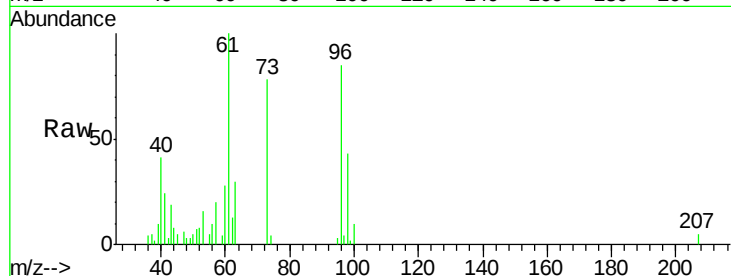
ClientSampled :

VSTDIC005

Tot Ion:	96	Resp:	23468
Ion	Ratio	Lower	Upper
96	100		
61	117.4	106.3	159.5
98	50.9	50.2	75.4

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:38:23 PM



#22

Diisopropyl ether

Concen: 4.345 ug/l

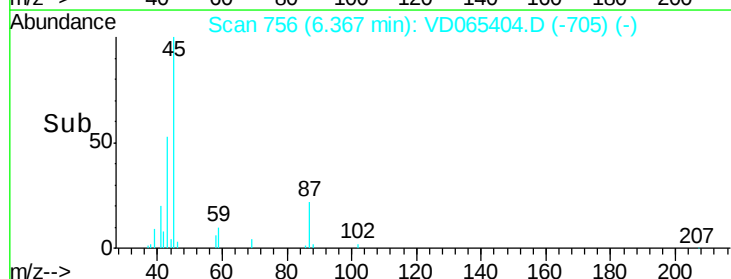
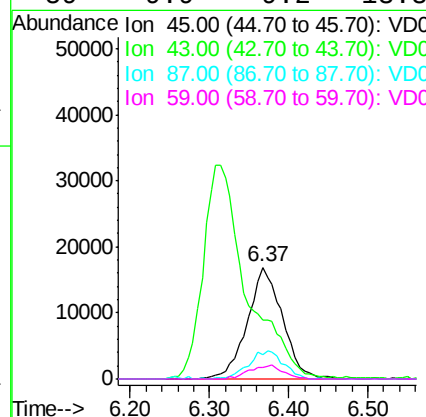
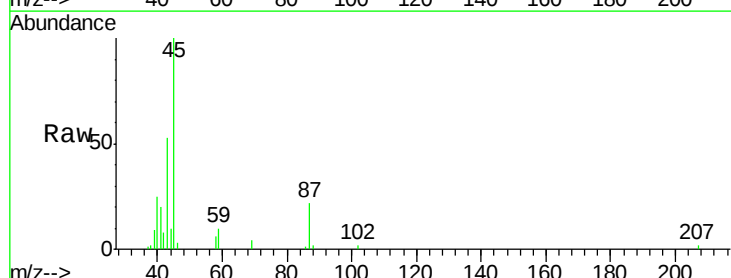
RT: 6.37 min Scan# 756

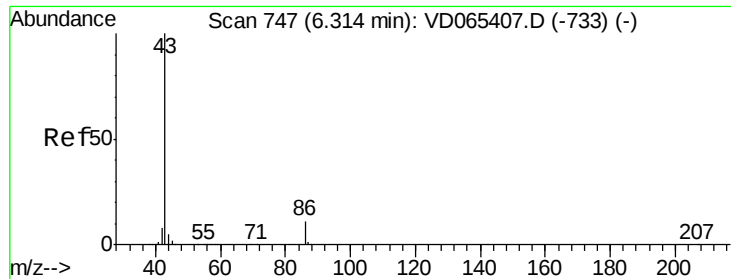
Delta R.T. -0.00 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Tgt Ion:	45	Resp:	51889
Ion	Ratio	Lower	Upper
45	100		
43	50.8	44.4	66.6
87	21.8	21.9	32.9#
59	9.9	9.2	13.8





#23

Vinyl Acetate

Concen: 18.687 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 123751

Ion Ratio Lower Upper

43 100

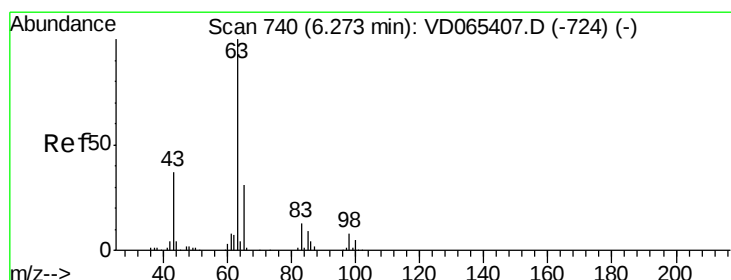
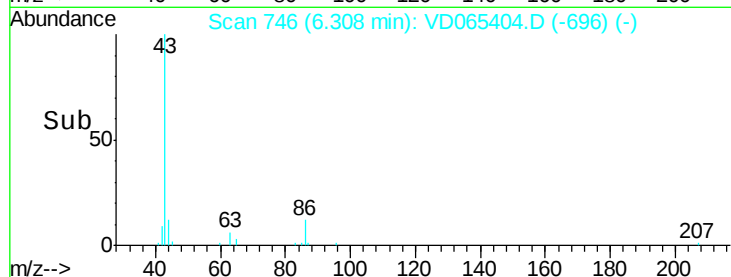
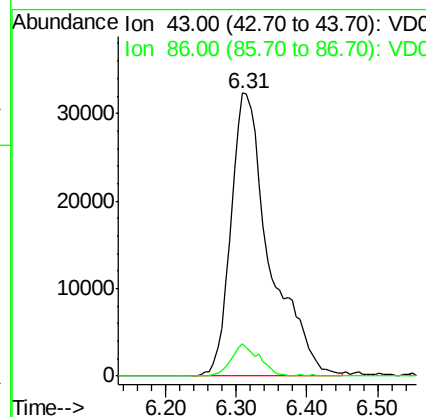
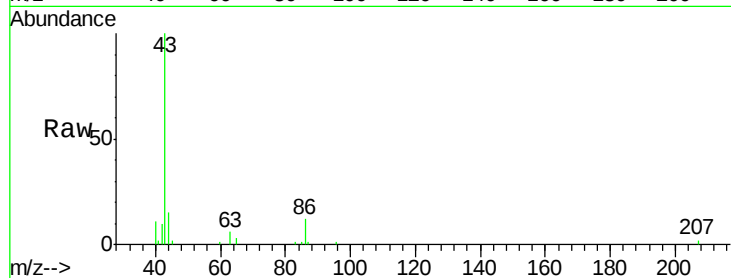
86 11.7 8.9 13.3

Manual Integrations

APPROVED

MMDadoda

3/5/2020 1:38:23 PM



#24

1,1-Dichloroethane

Concen: 5.071 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

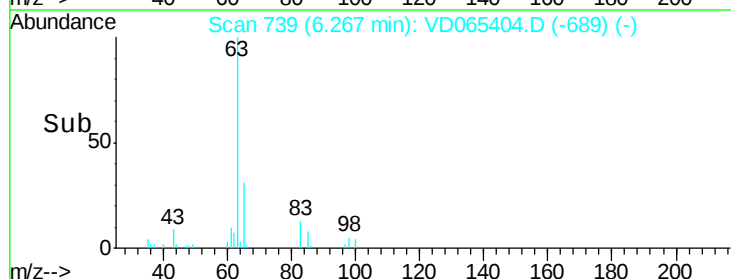
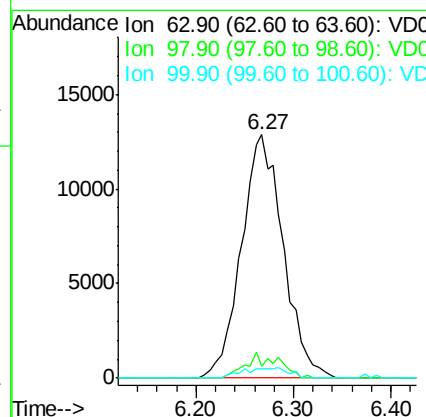
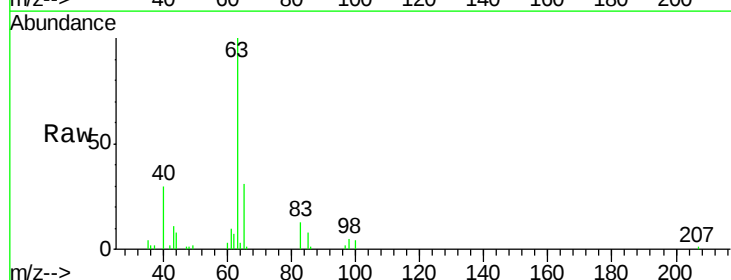
Tgt Ion: 63 Resp: 38465

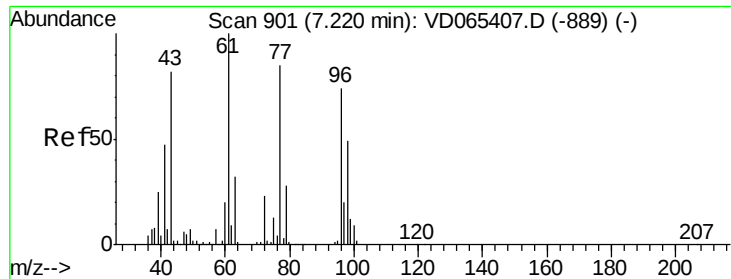
Ion Ratio Lower Upper

63 100

98 4.8 4.2 12.6

100 4.1 2.4 7.2





#25

2-Butanone

Concen: 22.249 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 23716

Ion Ratio Lower Upper

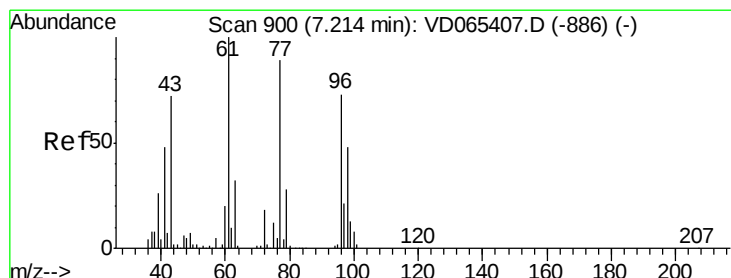
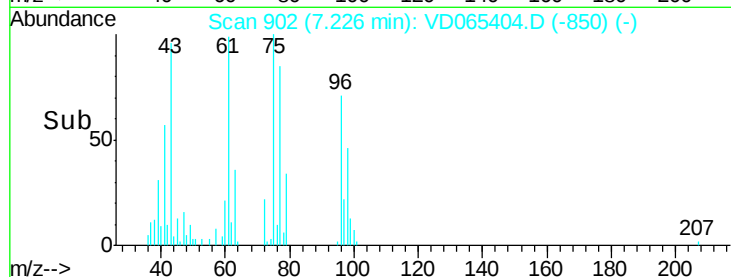
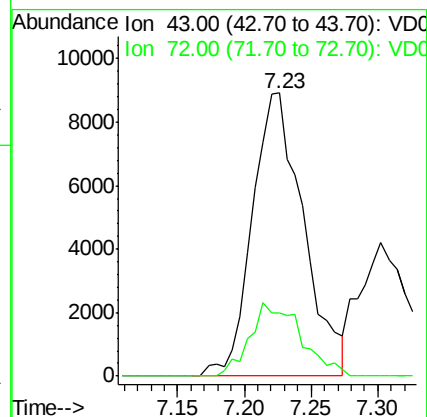
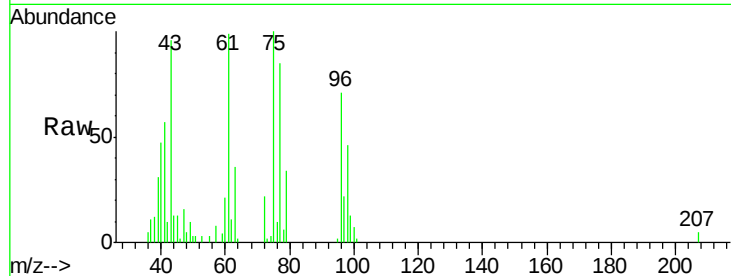
43 100

72 22.5 22.3 33.5

Manual Integrations
APPROVED

MMDadoda

3/5/2020 1:38:23 PM



#26

2,2-Dichloropropane

Concen: 5.115 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065404.D

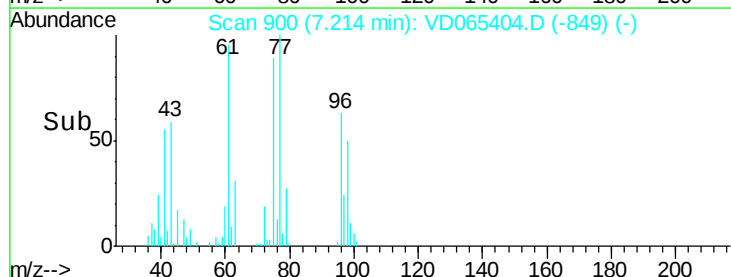
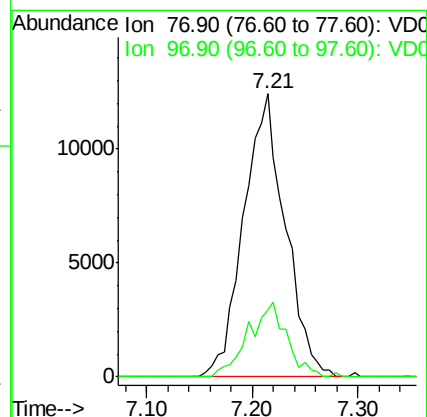
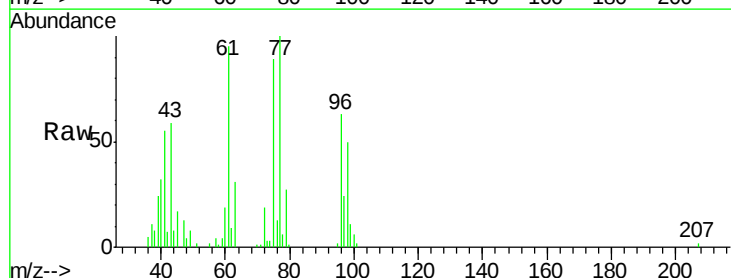
Acq: 04 Mar 2020 10:37

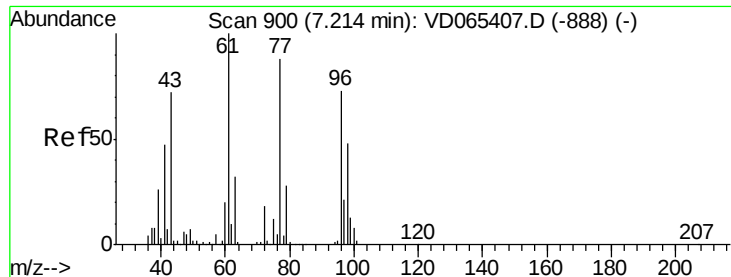
Tgt Ion: 77 Resp: 33911

Ion Ratio Lower Upper

77 100

97 24.4 11.8 35.4





#27

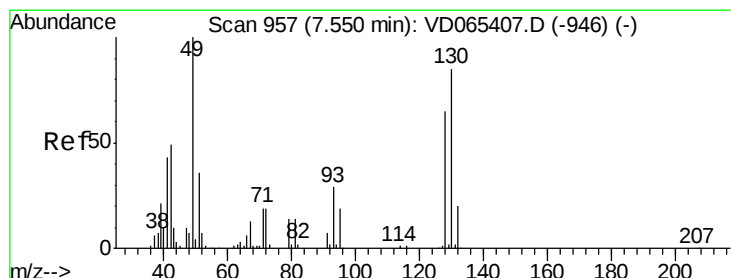
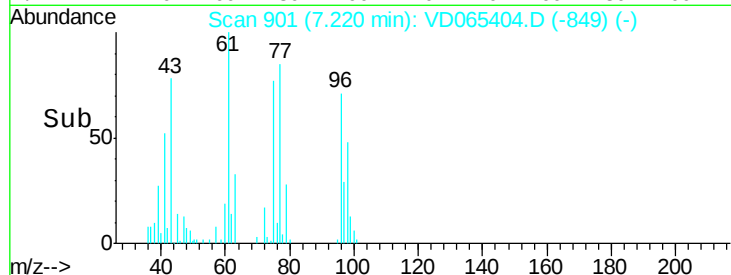
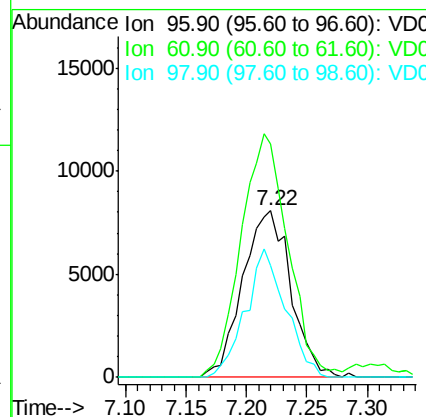
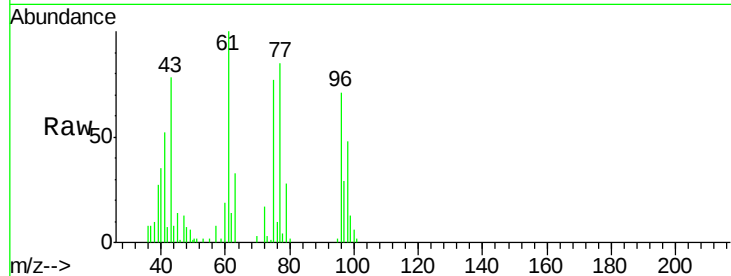
cis-1,2-Dichloroethene
 Concen: 4.747 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	280.4
98	64.0	0.0	132.6

Manual Integrations
 APPROVED

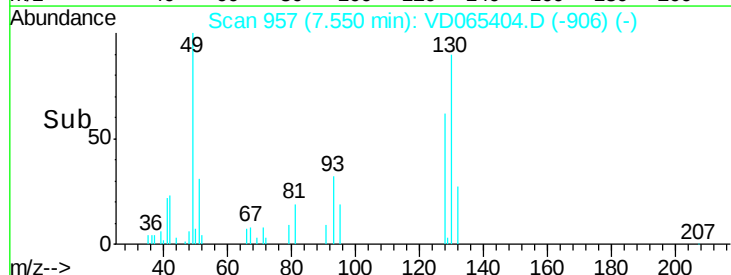
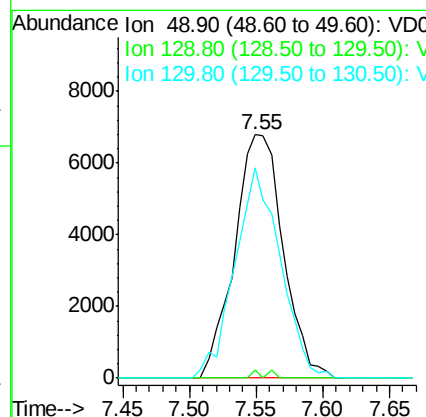
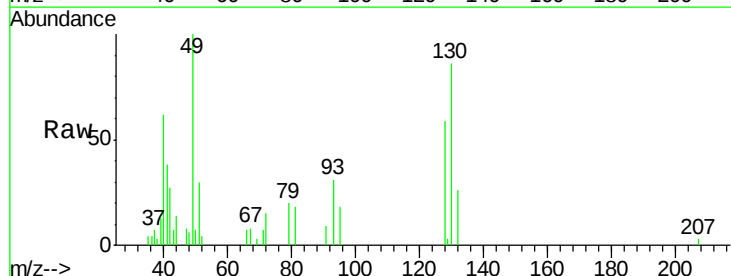
MMDadoda
 3/5/2020 1:38:23 PM

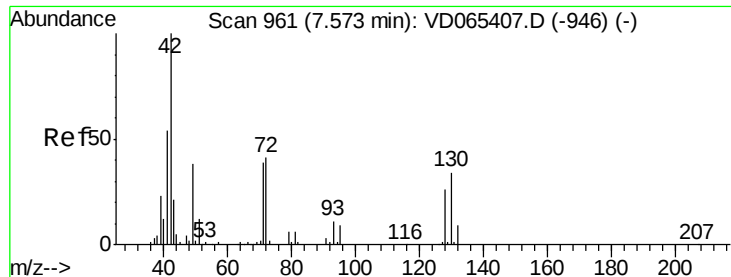


#28

Bromochloromethane
 Concen: 5.581 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	4.6
130	81.0	66.6	100.0





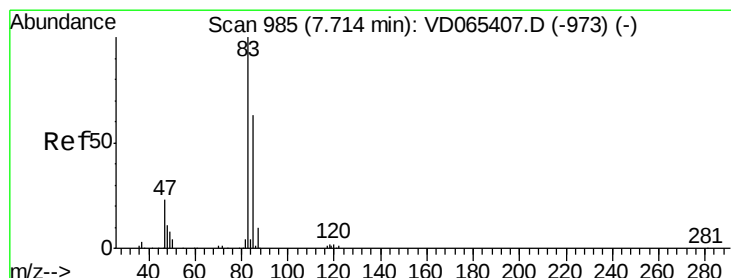
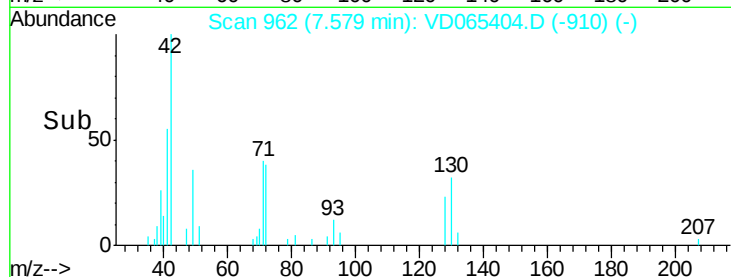
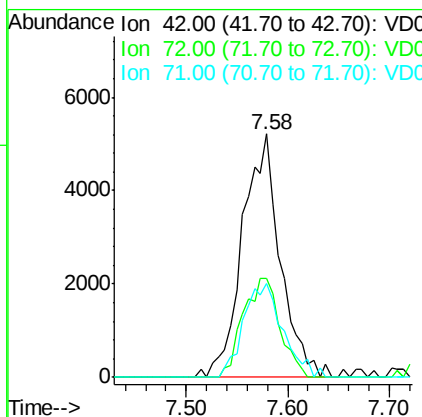
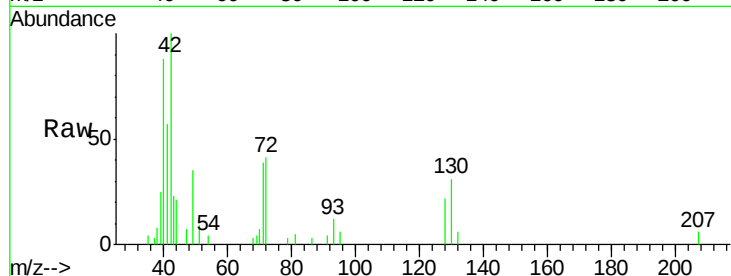
#29
Tetrahydrofuran
Concen: 19.645 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	33.0	49.6
71	40.1	32.0	48.0

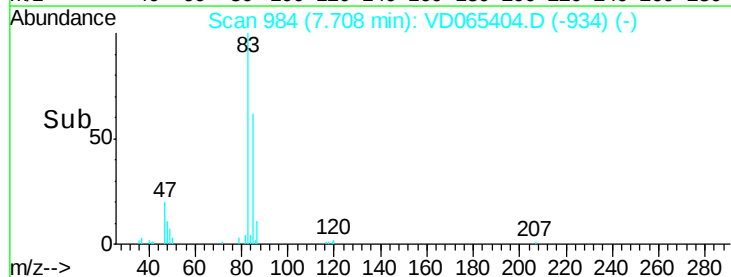
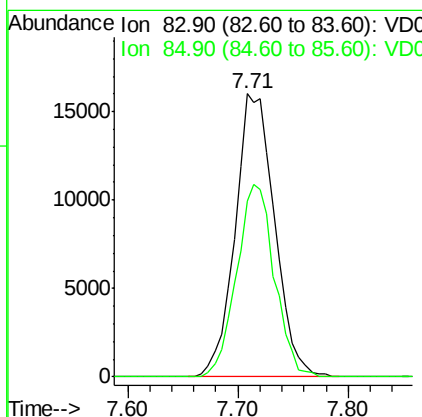
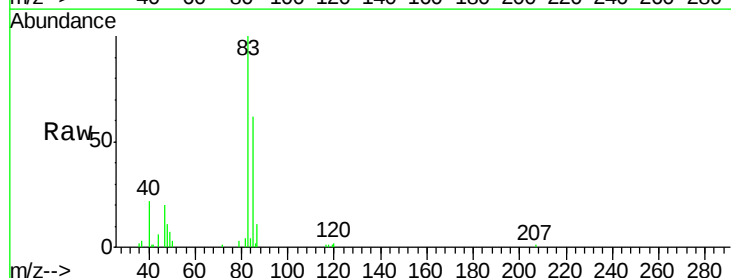
Manual Integrations
APPROVED

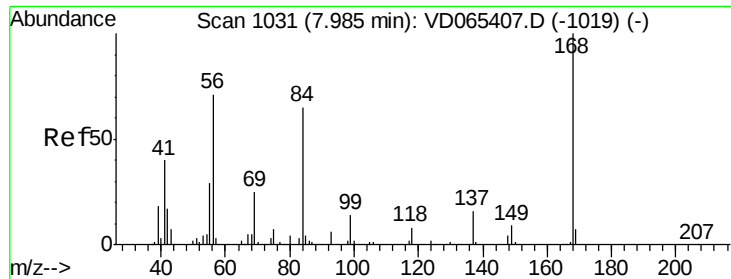
MMDadoda
3/5/2020 1:38:23 PM



#30
Chloroform
Concen: 5.275 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	50.3	75.5





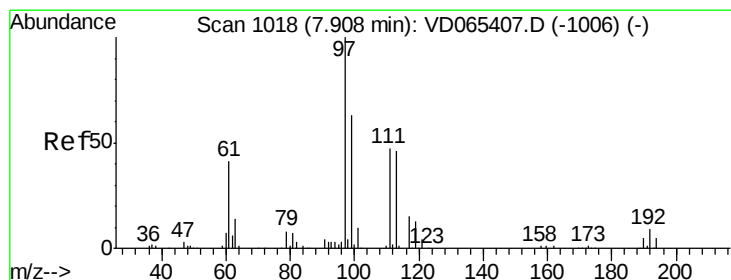
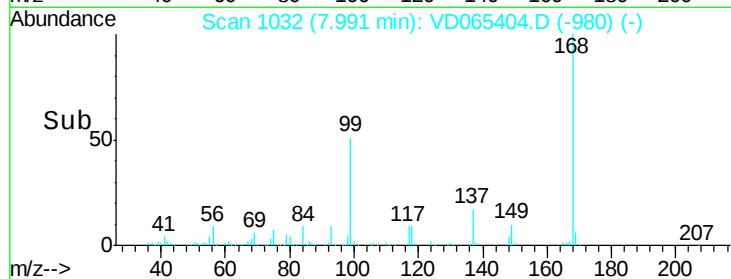
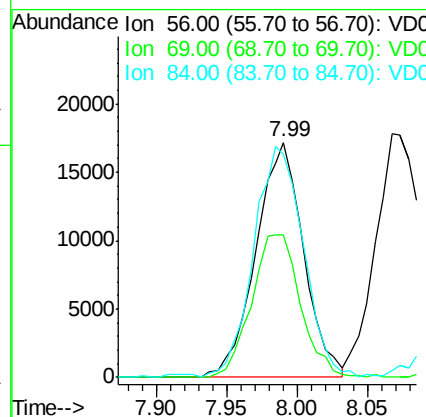
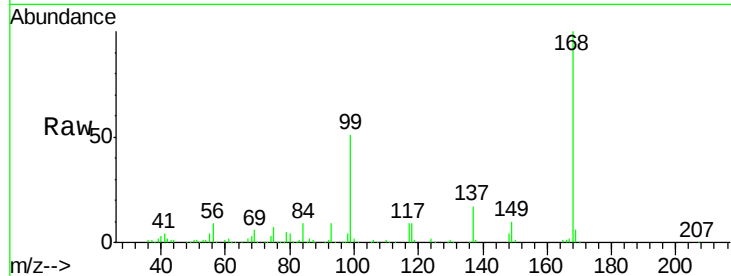
#31
Cyclohexane
Concen: 5.373 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	60.5	28.3	42.5#
84	93.7	73.1	109.7

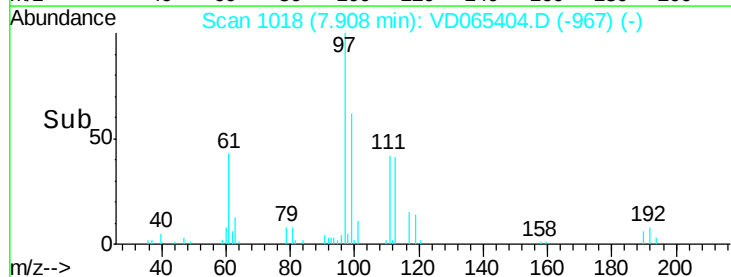
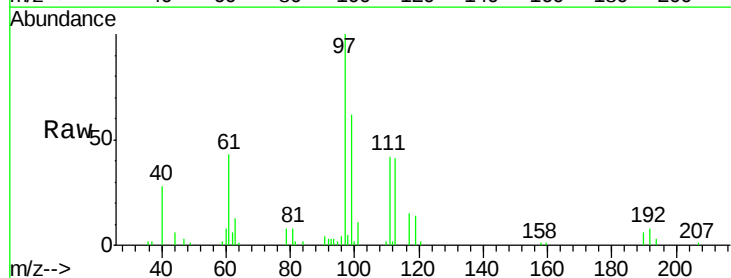
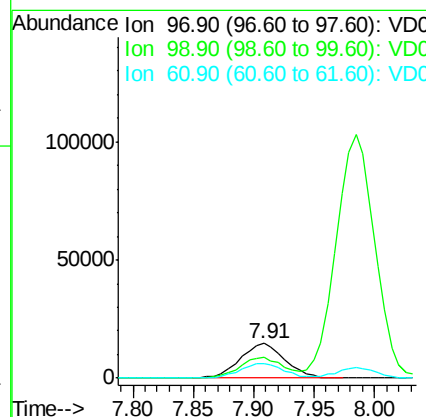
Manual Integrations
APPROVED

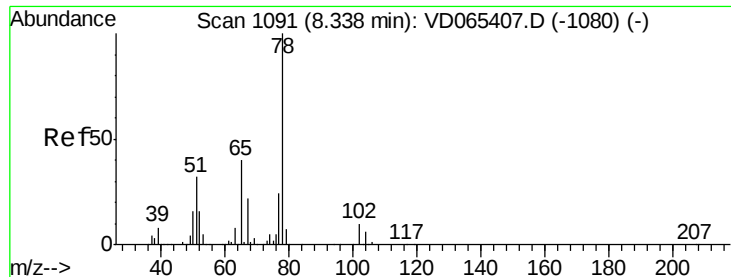
MMDadoda
3/5/2020 1:38:23 PM



#32
1,1,1-Trichloroethane
Concen: 5.346 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	58.8	50.9	76.3
61	42.2	33.2	49.8





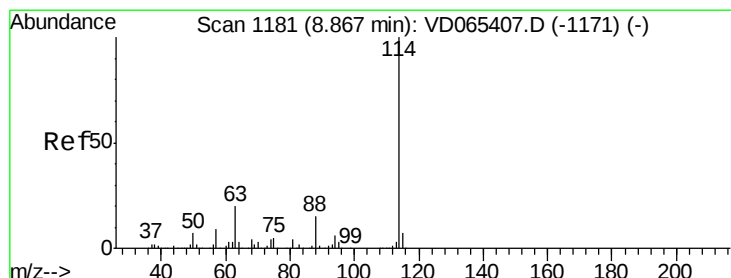
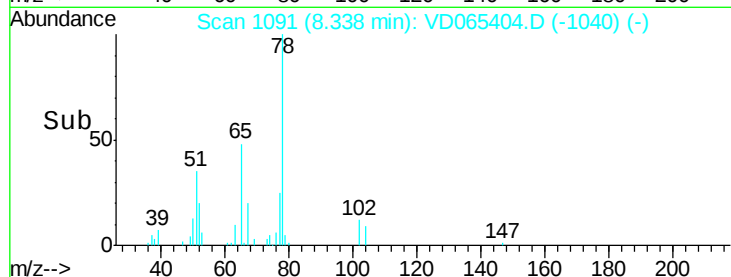
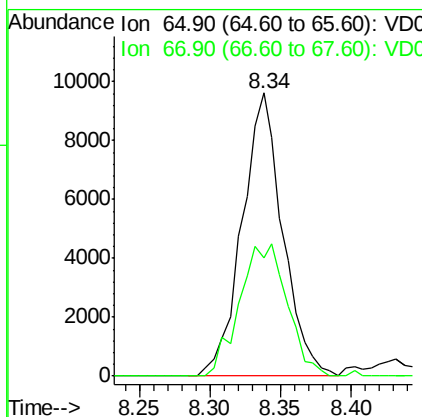
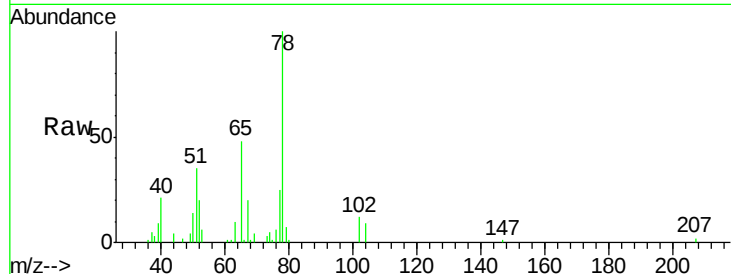
#33
 1,2-Dichloroethane-d4
 Concen: 5.074 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.0	0.0	108.0

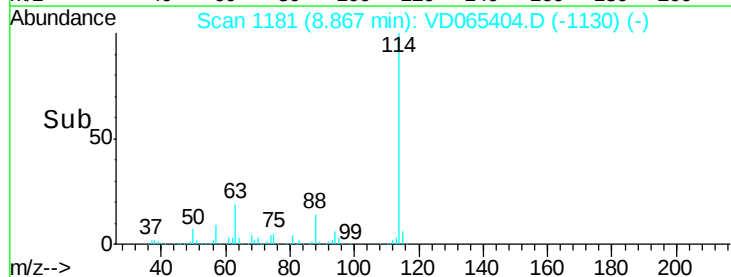
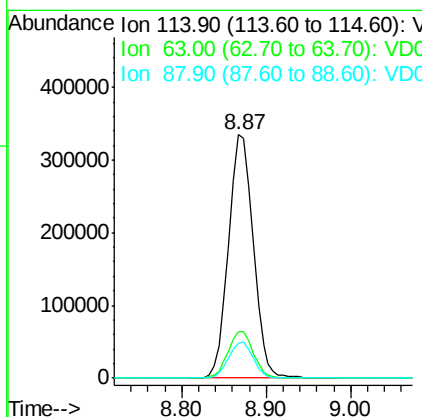
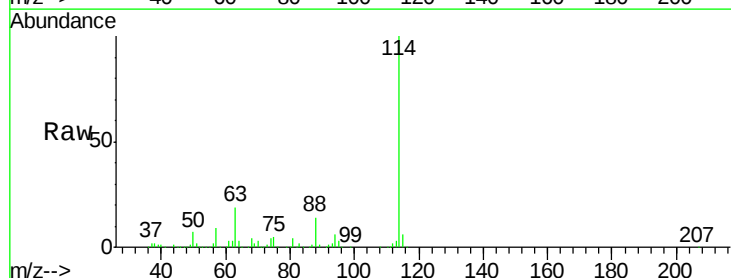
Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:38:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.6
88	14.4	0.0	30.4





#35

Dibromofluoromethane

Concen: 4.901 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Instrument :

MSVOA_D

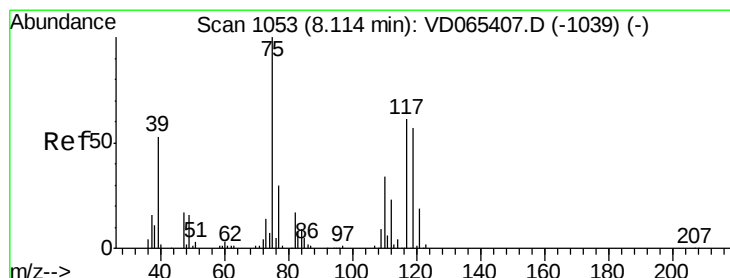
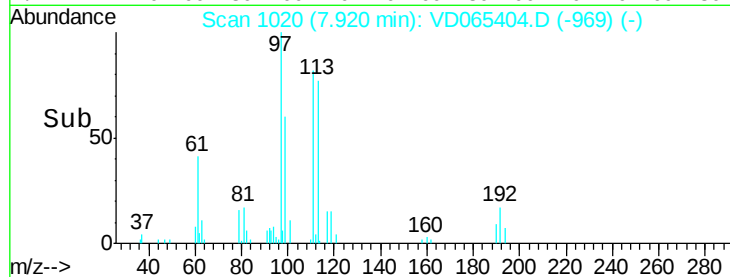
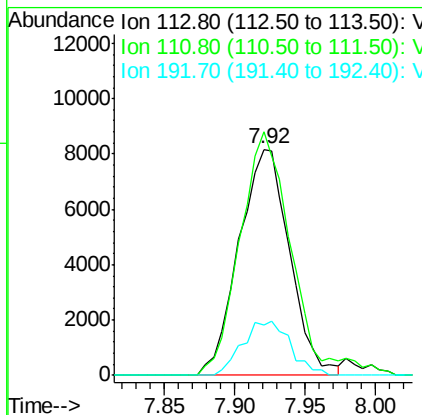
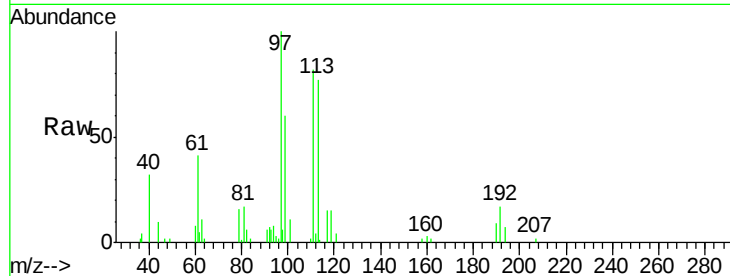
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	20561
Ion	Ratio	Lower	Upper
113	100		
111	109.8	82.1	123.1
192	22.7	17.2	25.8

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:38:23 PM



#36

1,1-Dichloropropene

Concen: 4.765 ug/l

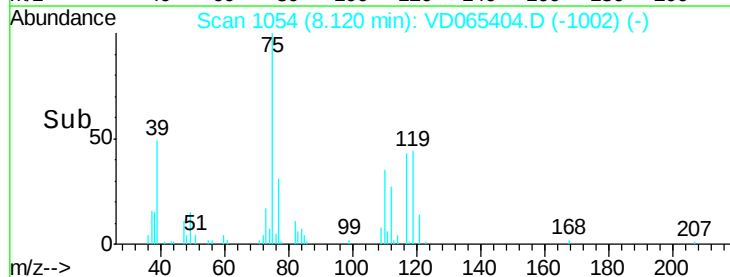
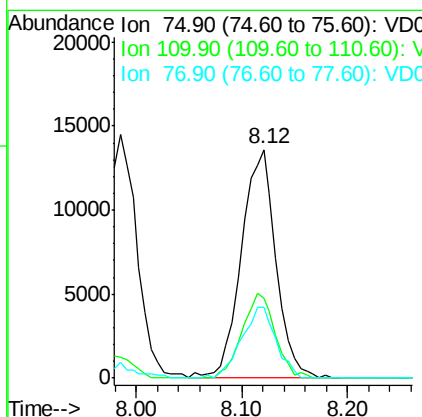
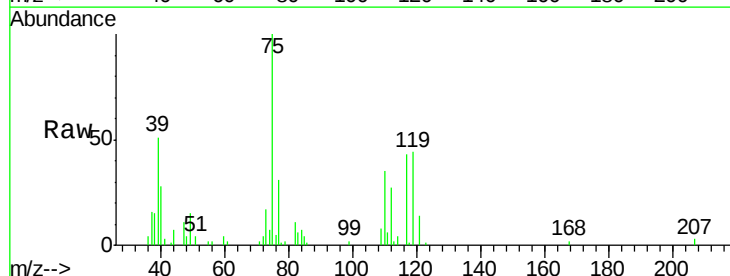
RT: 8.12 min Scan# 1054

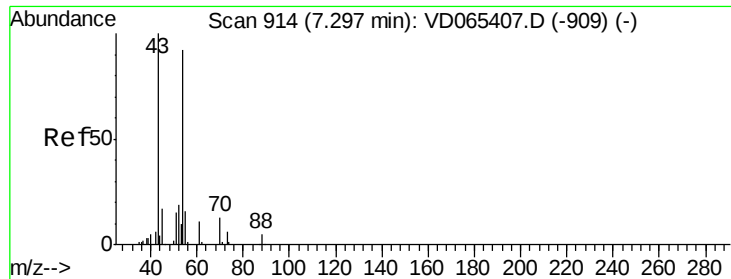
Delta R.T. 0.01 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Tgt Ion:	75	Resp:	31009
Ion	Ratio	Lower	Upper
75	100		
110	35.3	18.1	54.1
77	30.8	25.2	37.8





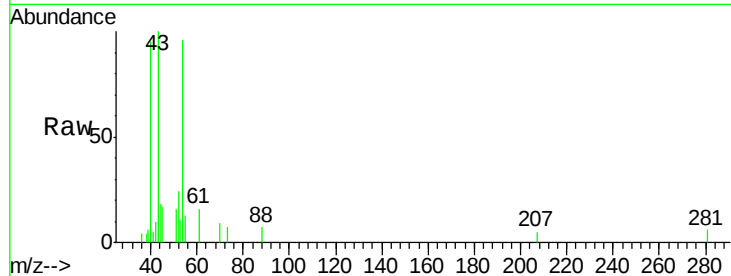
#37
Ethyl Acetate
Concen: 4.413 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

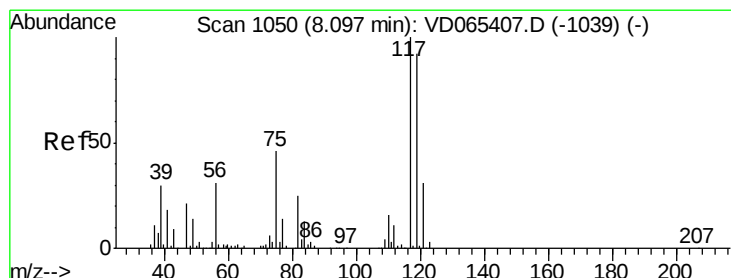
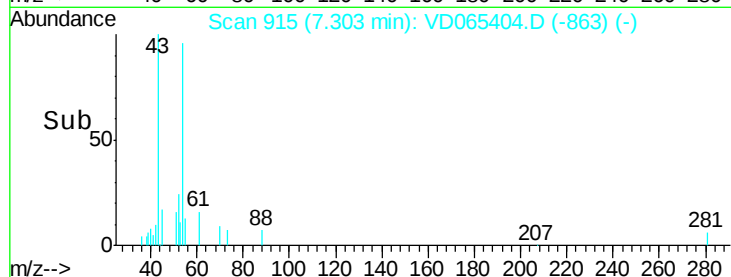
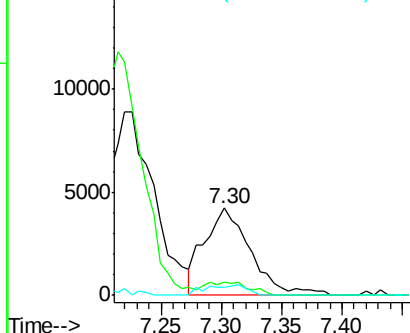
Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.0#
70	10.2	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:38:23 PM

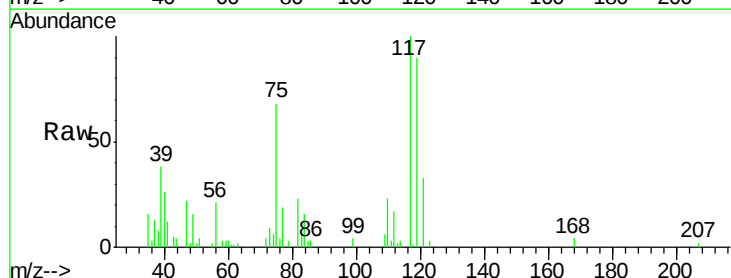


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC

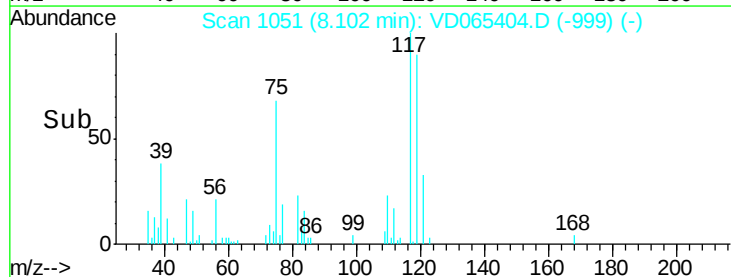
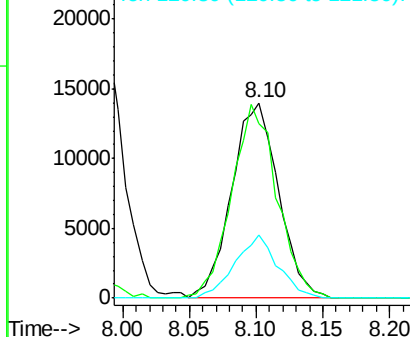


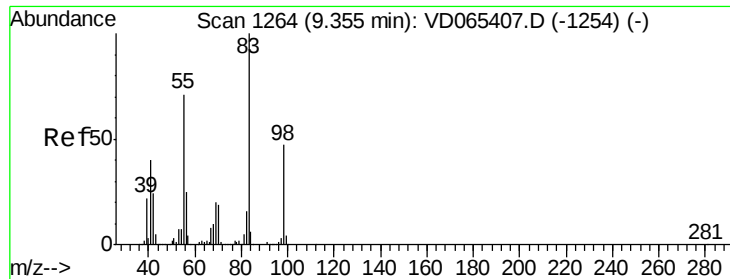
#38
Carbon Tetrachloride
Concen: 5.083 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.6	73.3	109.9
121	32.7	25.0	37.4



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





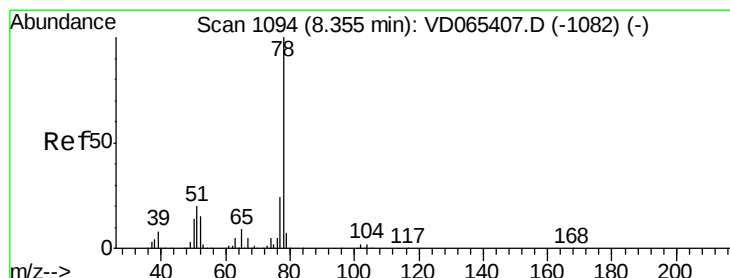
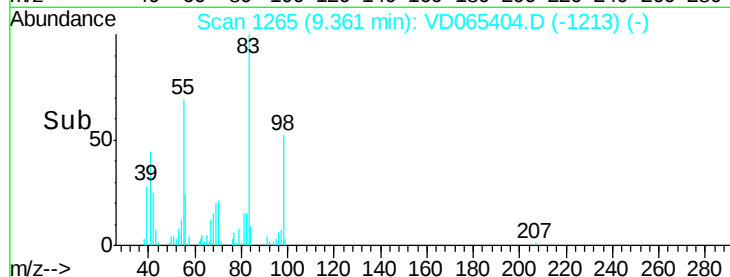
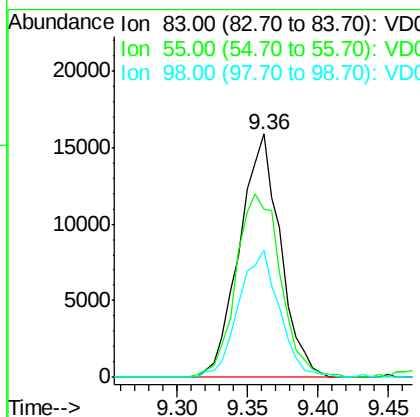
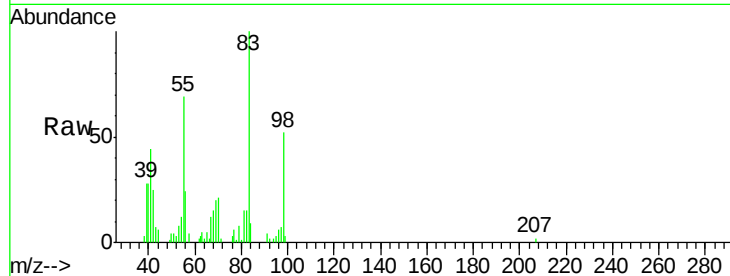
#39
Methvlcvclohexane
Concen: 4.126 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.3	57.1	85.7
98	52.4	37.8	56.8

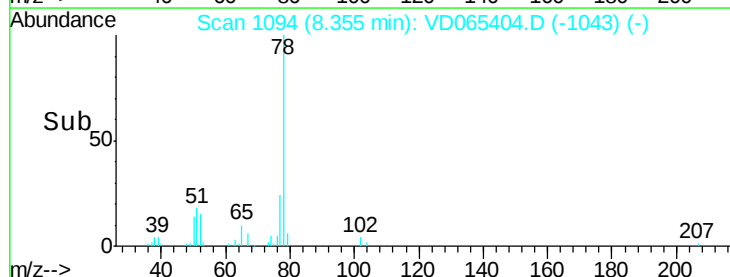
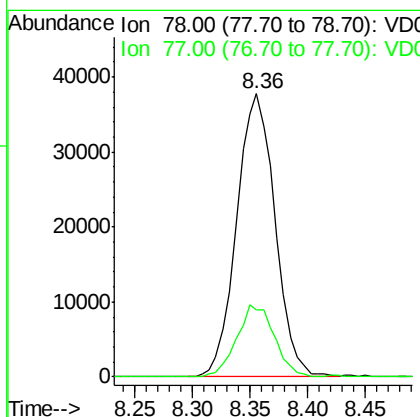
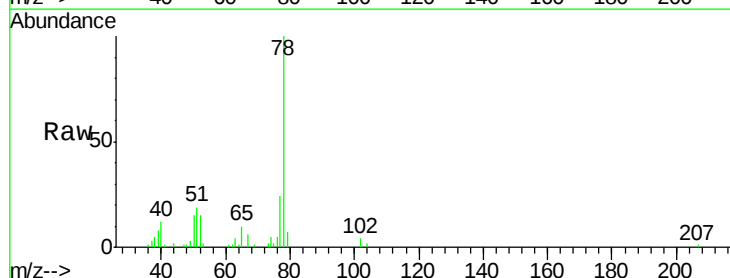
Manual Integrations
APPROVED

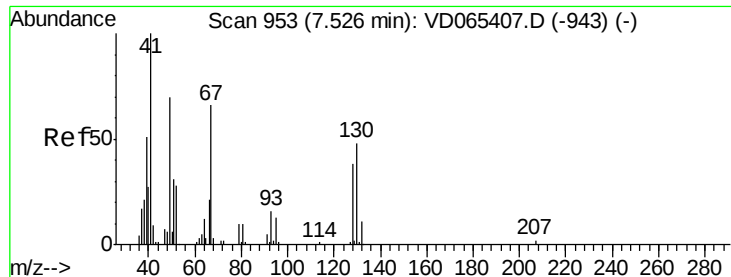
MMDadoda
3/5/2020 1:38:23 PM



#40
Benzene
Concen: 4.774 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.4	29.0





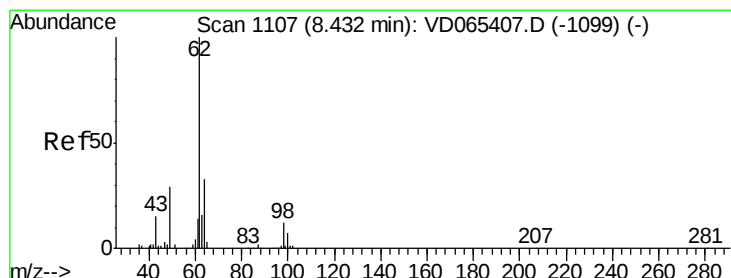
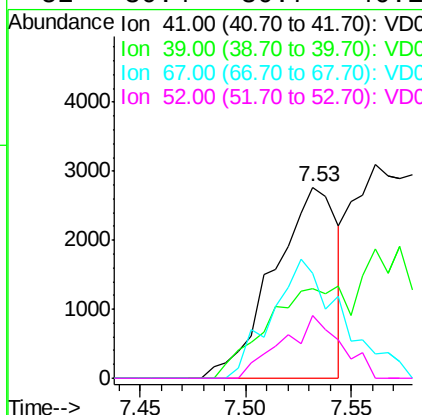
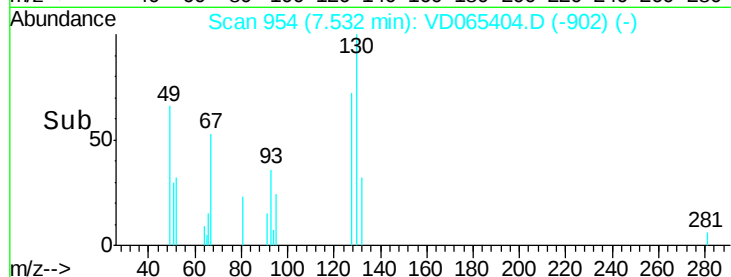
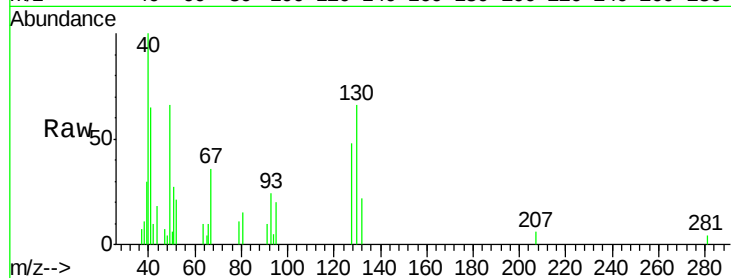
#41
Methacrylonitrile
Concen: 4.471 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.2	55.0	82.6
67	68.9	70.3	105.5#
52	30.4	30.7	46.1#

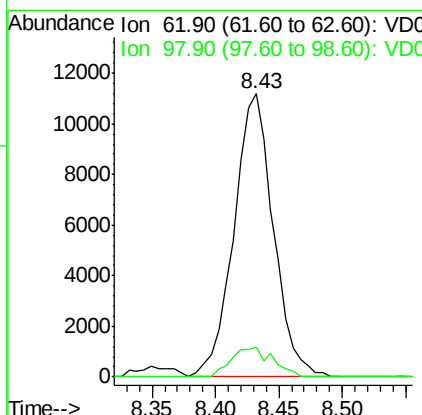
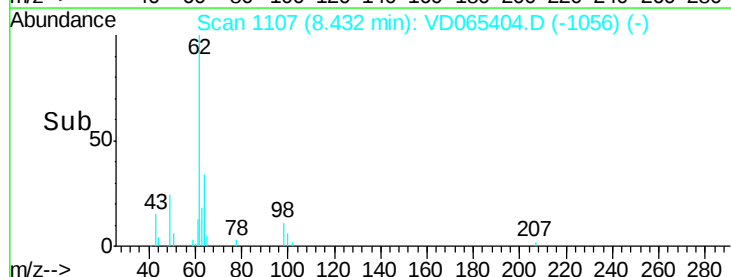
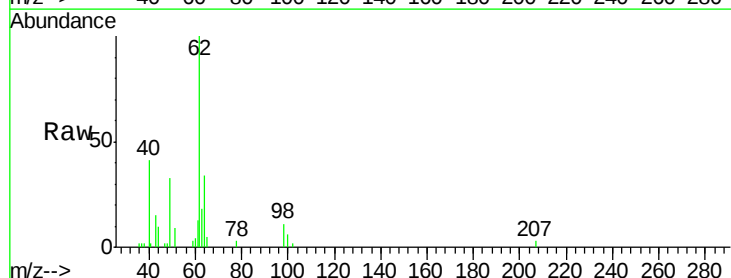
Manual Integrations
APPROVED

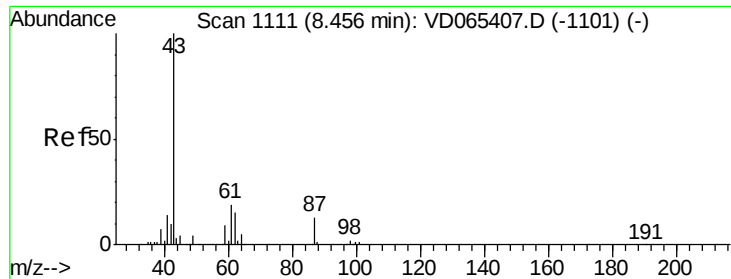
MMDadoda
3/5/2020 1:38:23 PM



#42
1,2-Dichloroethane
Concen: 5.030 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	21.4





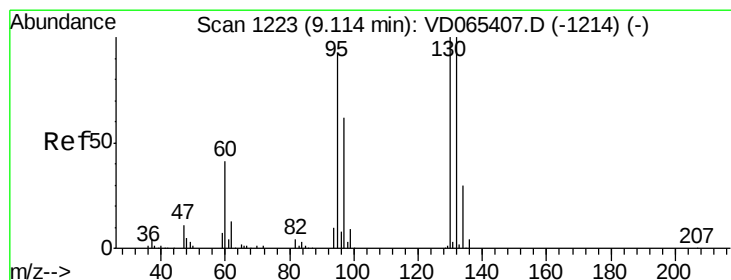
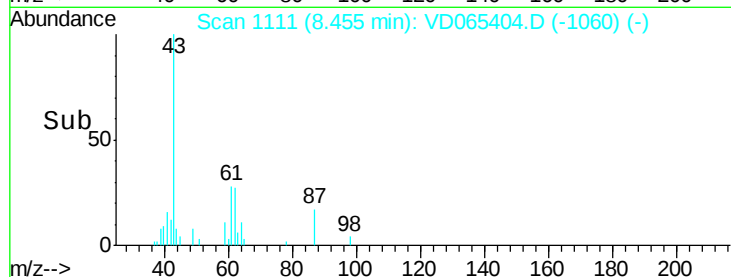
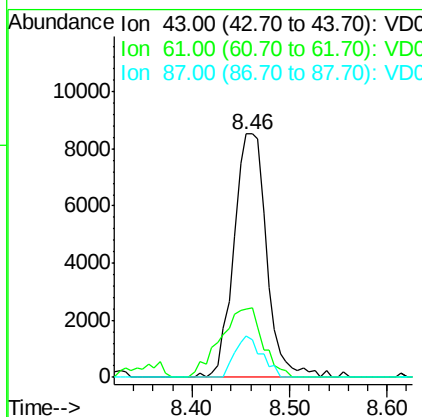
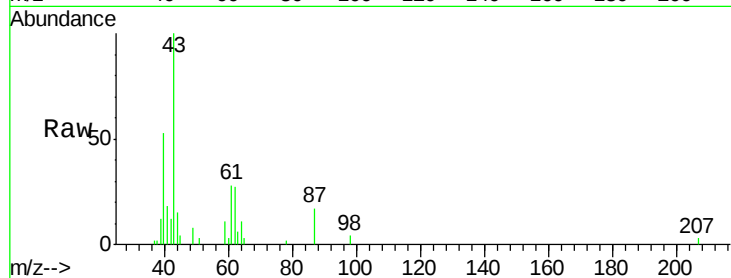
#43
Isopropyl Acetate
Concen: 4.275 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.7	25.0	37.6
87	13.9	11.0	16.4

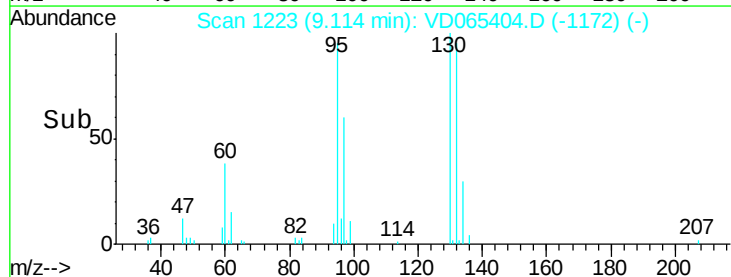
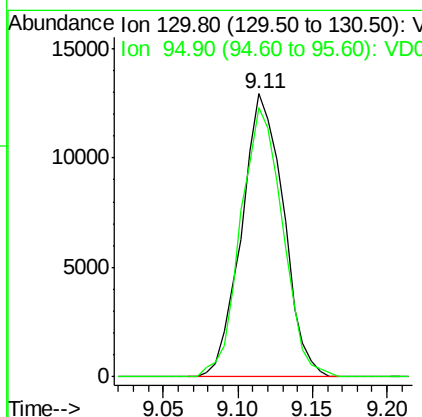
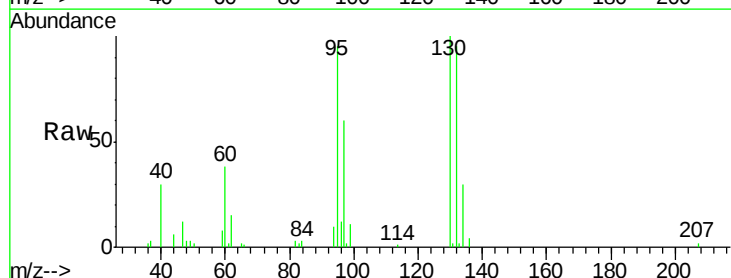
Manual Integrations
APPROVED

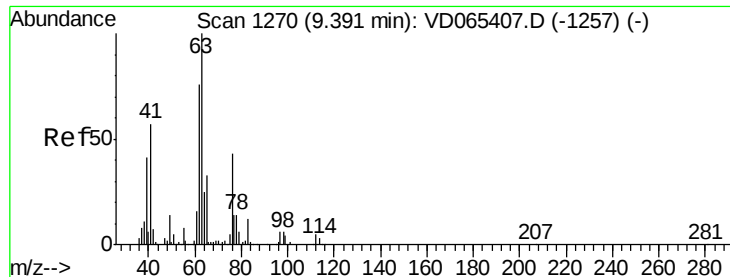
MMDadoda
3/5/2020 1:38:23 PM



#44
Trichloroethene
Concen: 4.914 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	186.0





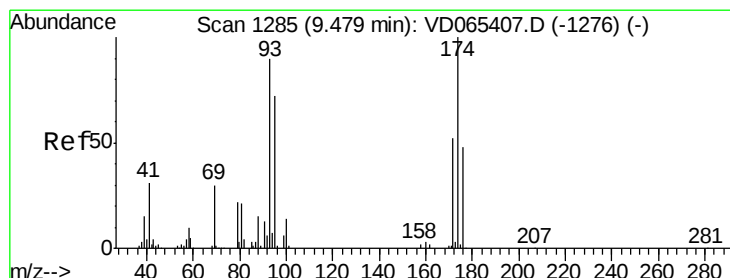
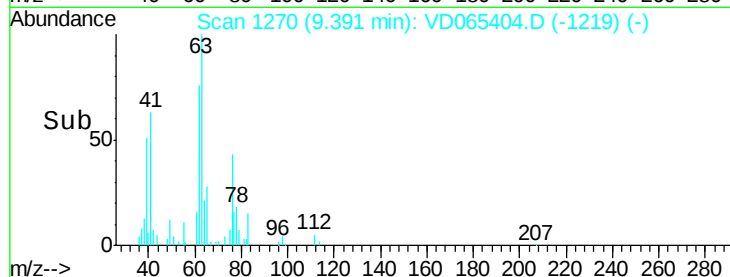
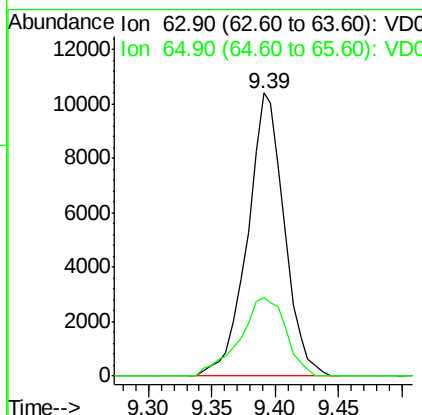
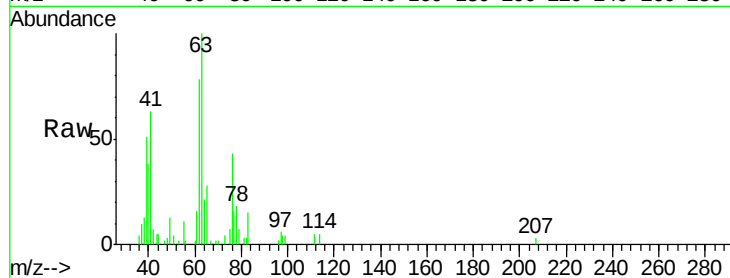
#45
 1,2-Dichloropropane
 Concen: 4.748 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	27.8	26.4	39.6

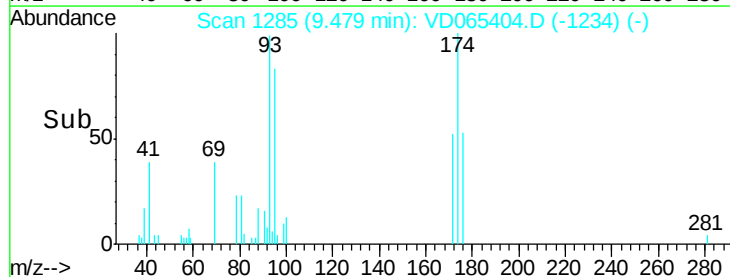
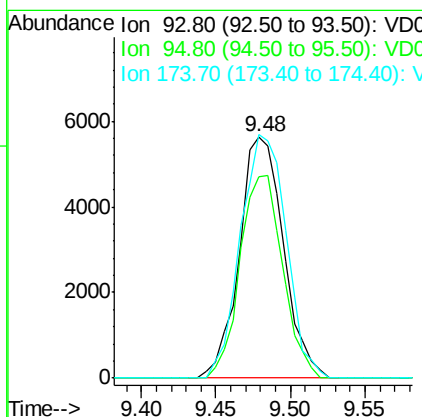
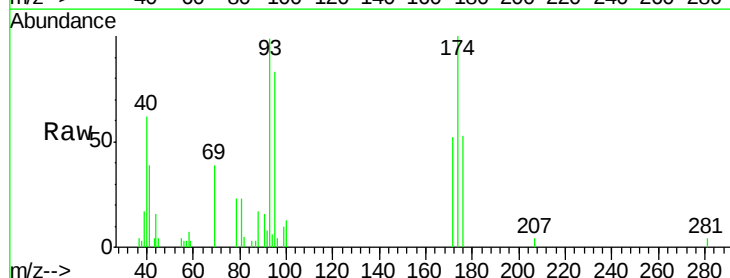
Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:38:23 PM



#46
 Dibromomethane
 Concen: 4.998 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.5	65.0	97.6
174	104.7	88.3	132.5





#47

Bromodichloromethane

Concen: 4.882 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Instrument :

MSVOA_D

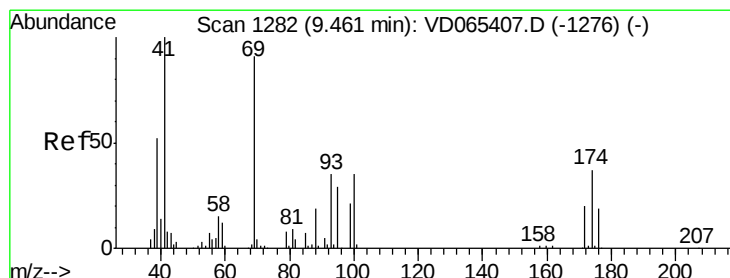
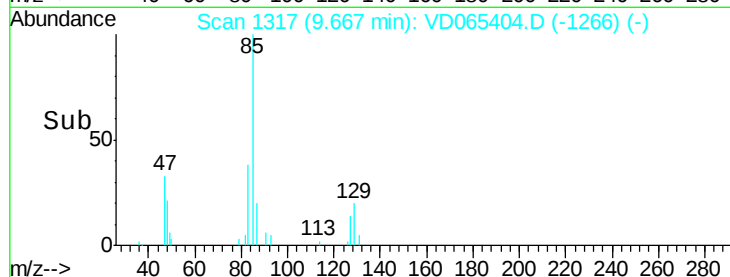
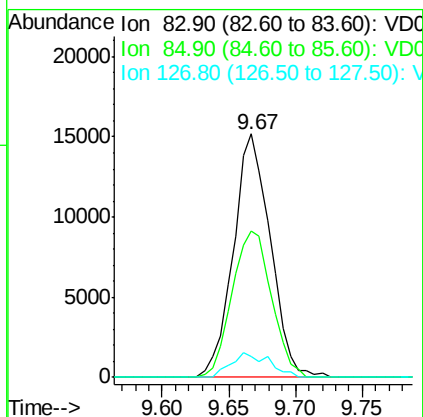
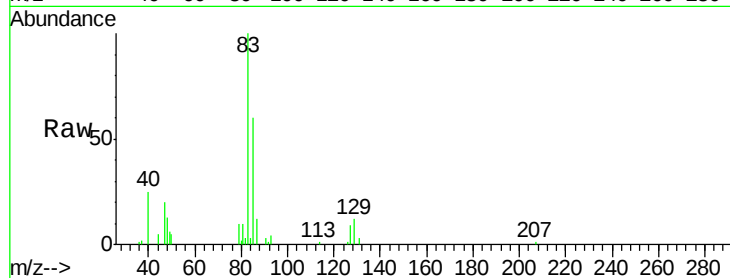
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	29192
Ion	Ratio	Lower	Upper
83	100		
85	59.9	52.8	79.2
127	8.6	8.0	12.0

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:38:23 PM



#48

Methyl methacrylate

Concen: 3.916 ug/l

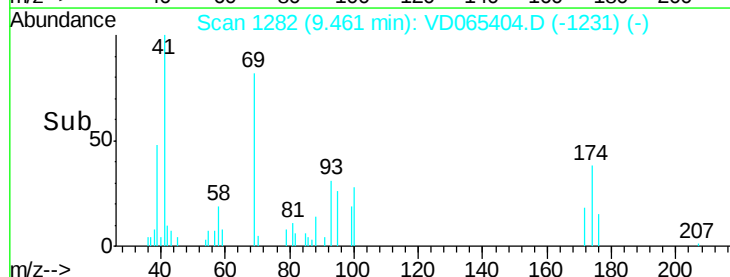
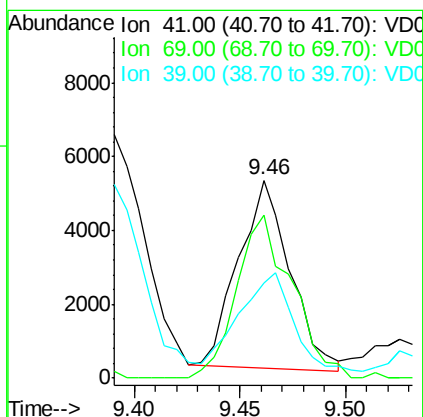
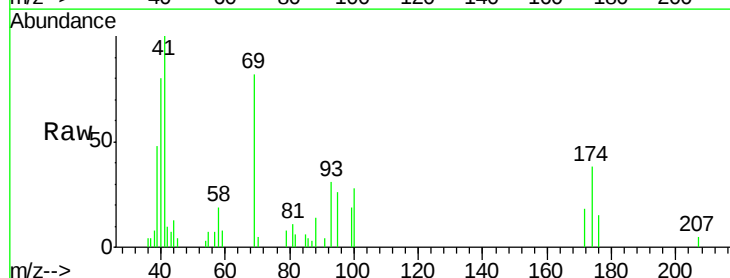
RT: 9.46 min Scan# 1282

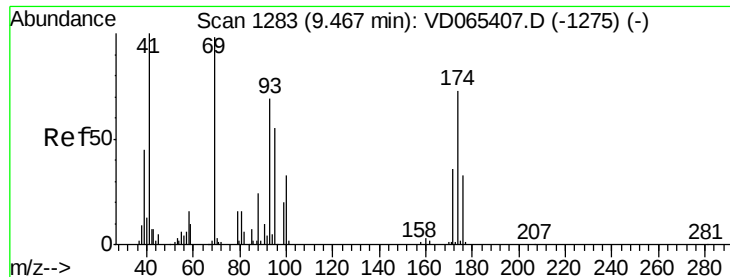
Delta R.T. -0.00 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Tgt Ion:	41	Resp:	8634
Ion	Ratio	Lower	Upper
41	100		
69	92.7	72.5	108.7
39	64.2	41.6	62.4#





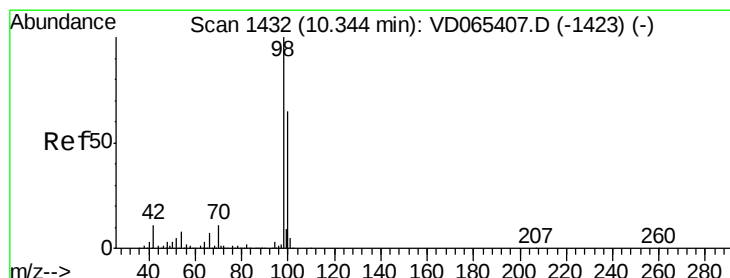
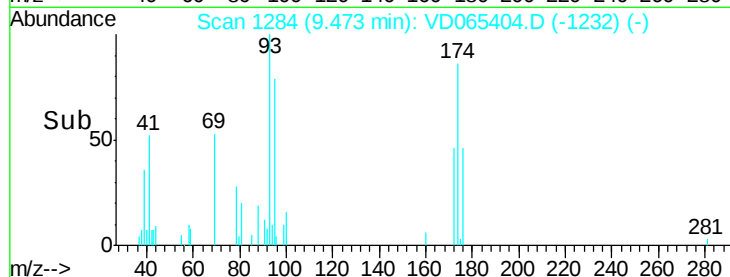
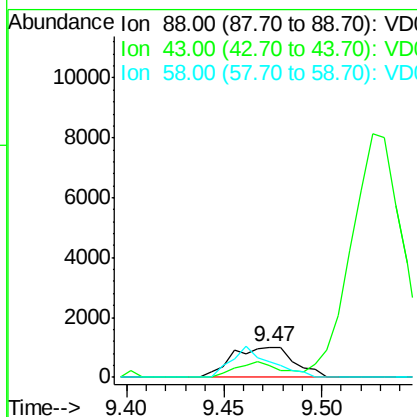
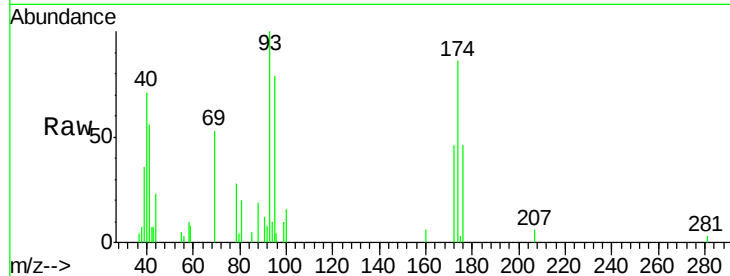
#49
1,4-Dioxane
Concen: 82.864 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.8	24.5	36.7#
58	64.8	54.5	81.7

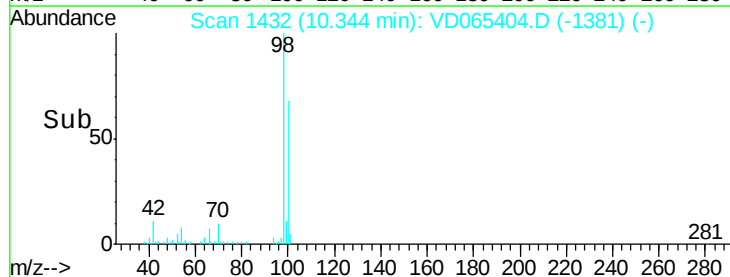
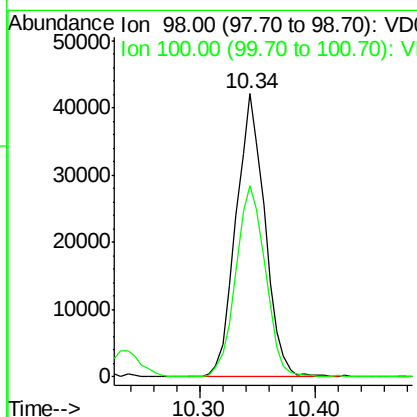
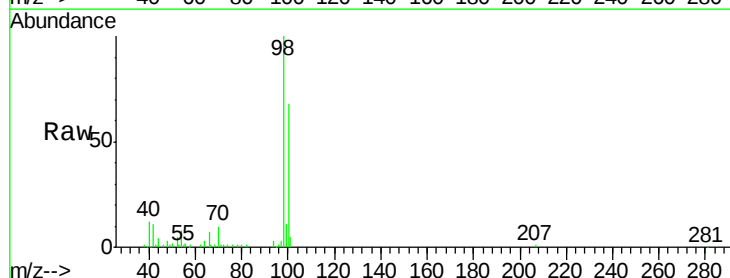
Manual Integrations
APPROVED

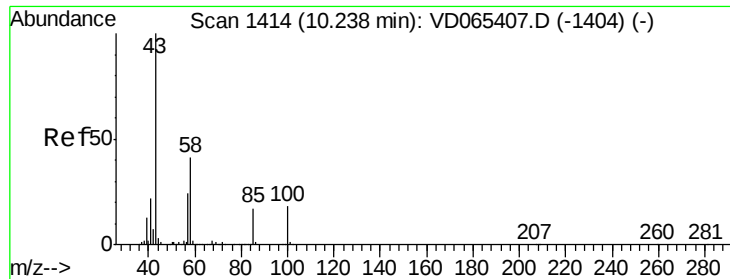
MMDadoda
3/5/2020 1:38:23 PM



#50
Toluene-d8
Concen: 4.533 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.2	52.8	79.2





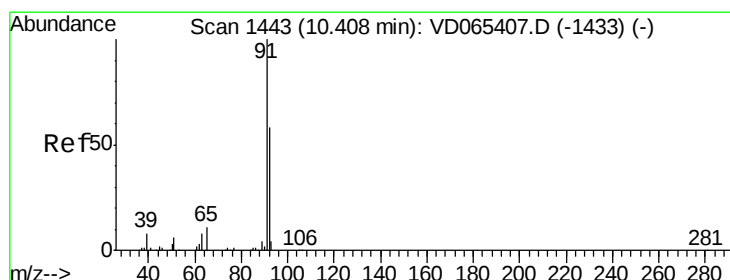
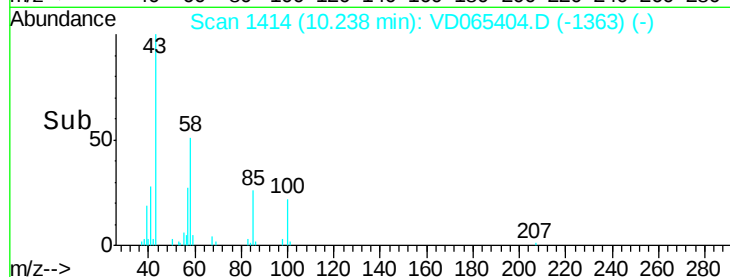
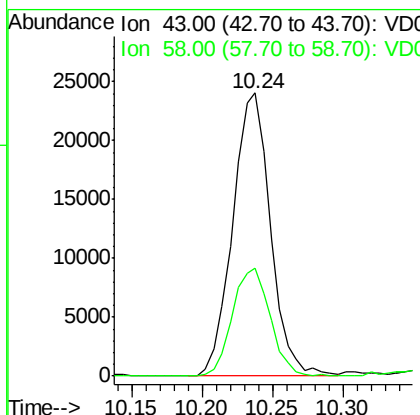
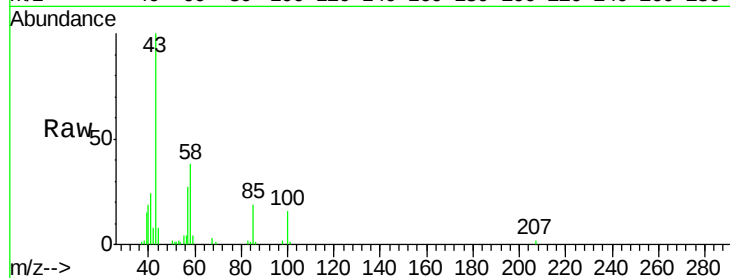
#51
 4-Methyl-2-Pentanone
 Concen: 19.112 ug/l
 RT: 10.24 min Scan# 1414
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.9	31.8	47.6

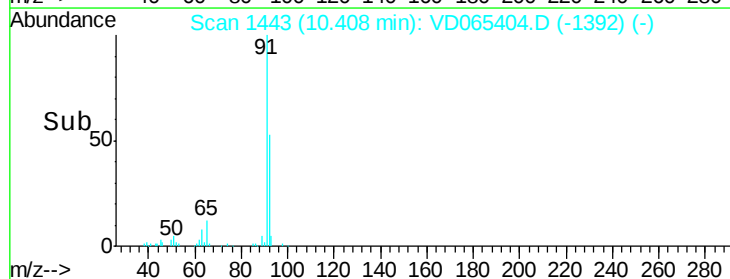
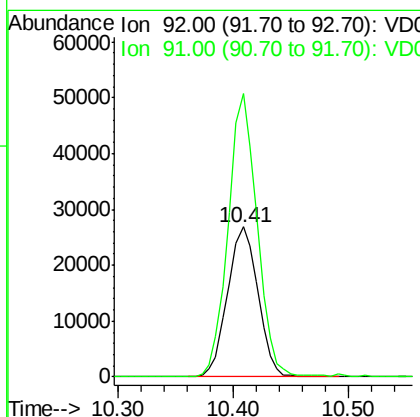
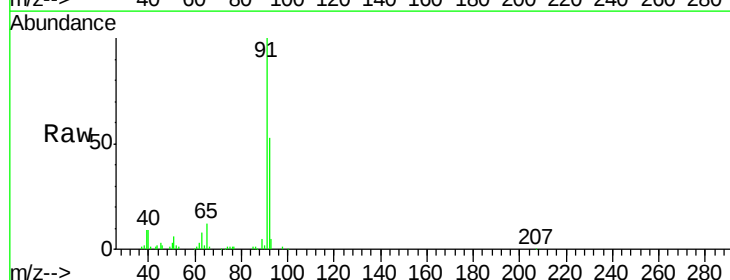
Manual Integrations
 APPROVED

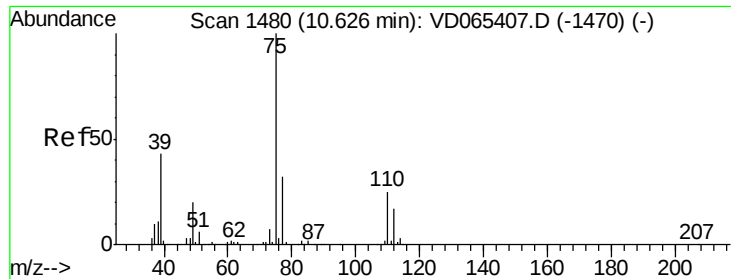
MMDadoda
 3/5/2020 1:38:23 PM



#52
 Toluene
 Concen: 4.288 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
92	100		
91	179.1	137.8	206.8





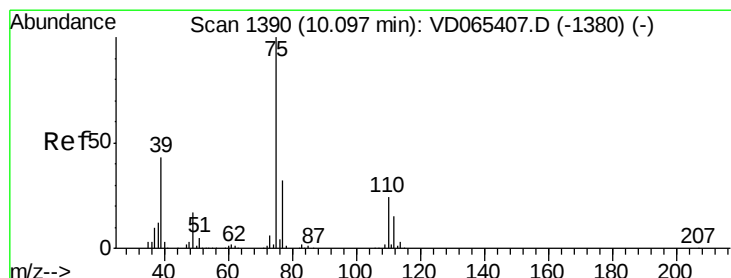
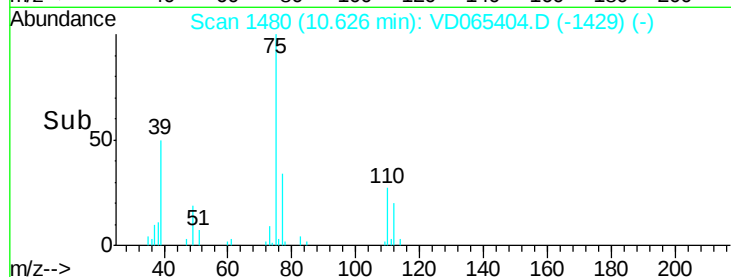
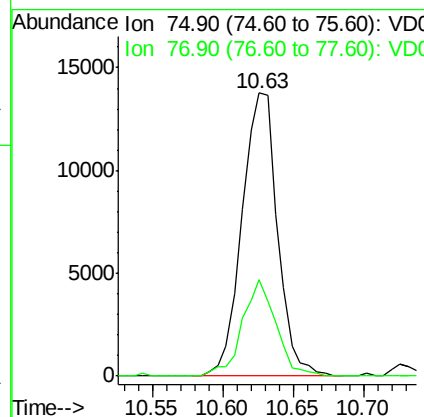
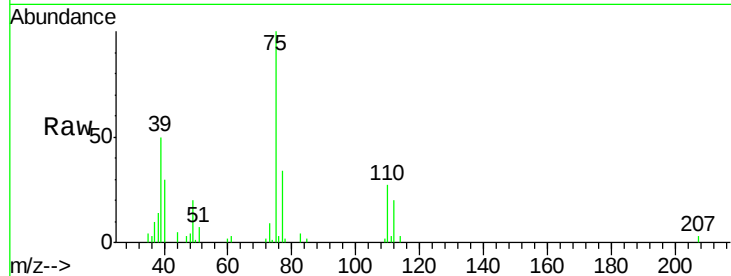
#53
 t-1,3-Dichloropropene
 Concen: 4.315 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 24276
 Ion Ratio Lower Upper
 75 100
 77 34.3 25.4 38.2

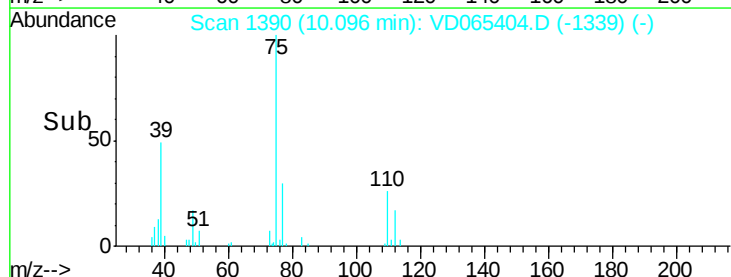
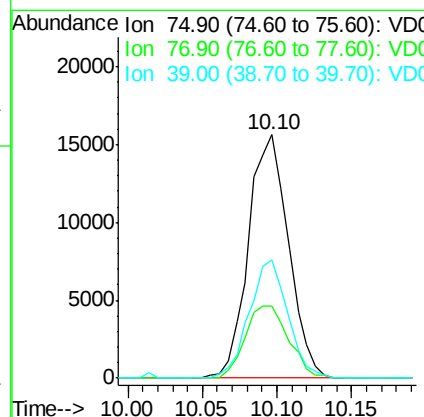
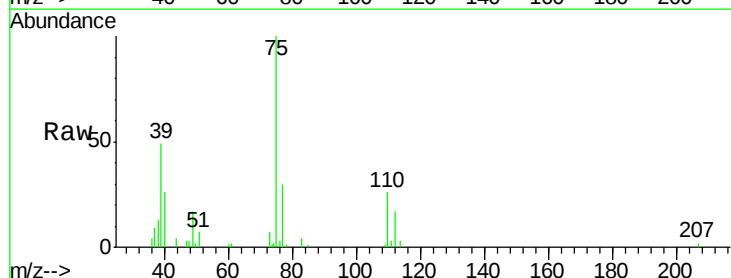
Manual Integrations
 APPROVED

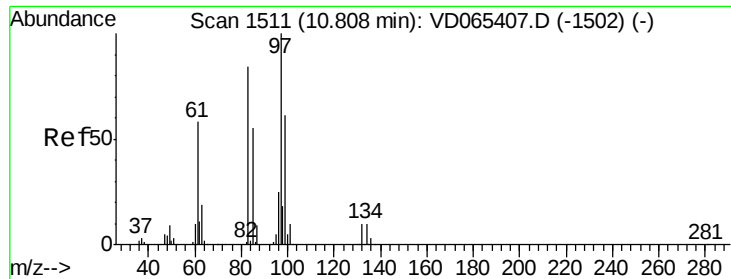
MMDadoda
 3/5/2020 1:38:23 PM



#54
 cis-1,3-Dichloropropene
 Concen: 4.255 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Tgt Ion: 75 Resp: 28912
 Ion Ratio Lower Upper
 75 100
 77 29.7 25.3 37.9
 39 48.6 34.6 52.0





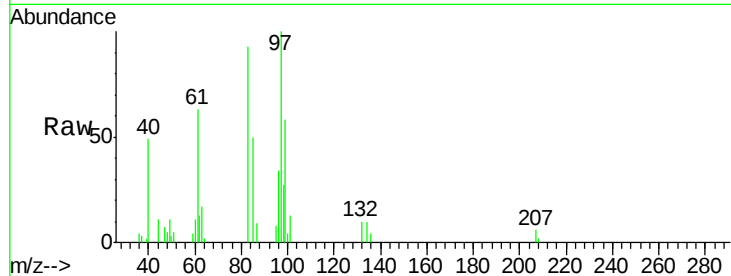
#55
 1,1,2-Trichloroethane
 Concen: 4.676 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

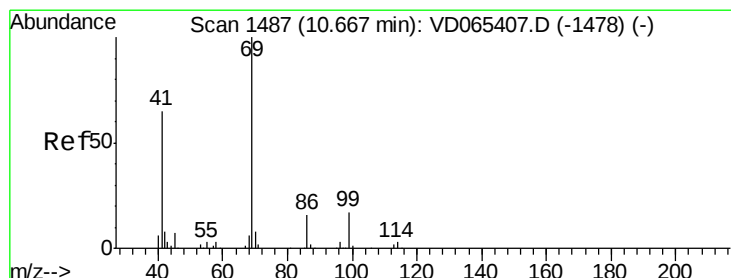
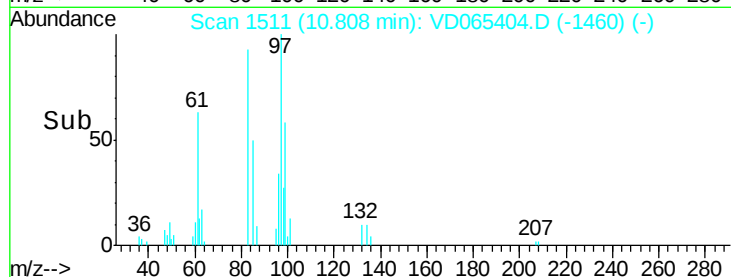
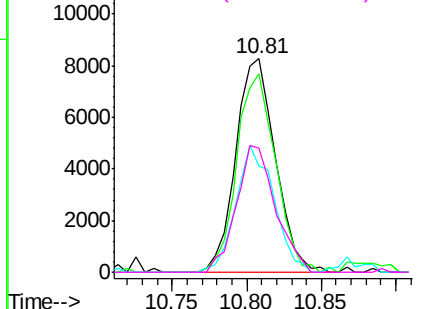
Tot Ion:	97	Resp:	15231
Ion	Ratio	Lower	Upper
97	100		
83	92.8	67.4	101.0
85	50.0	43.8	65.8
99	57.9	48.8	73.2

Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:38:23 PM

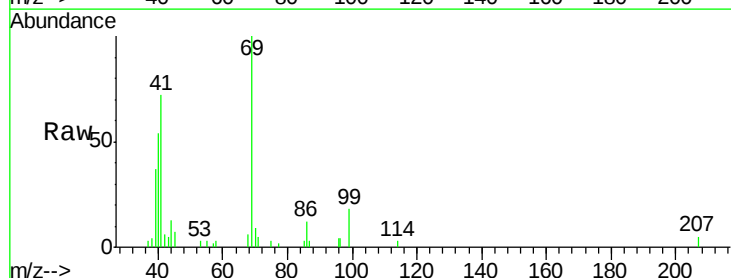


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

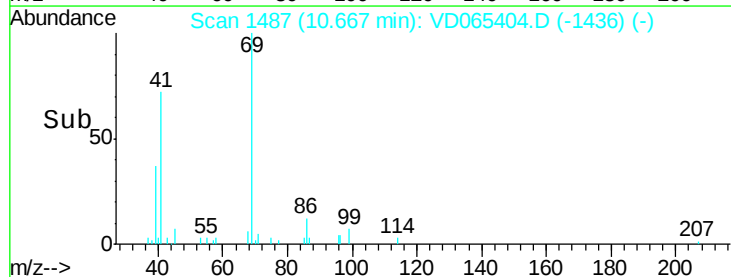
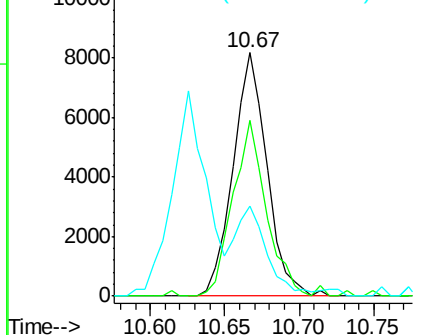


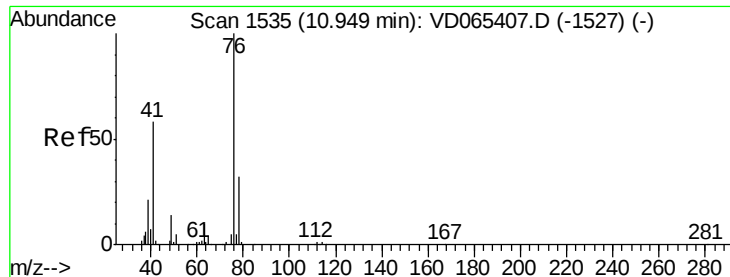
#56
 Ethyl methacrylate
 Concen: 3.497 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Tgt Ion:	69	Resp:	12916
Ion	Ratio	Lower	Upper
69	100		
41	71.2	53.0	79.6
39	31.7	26.0	39.0



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





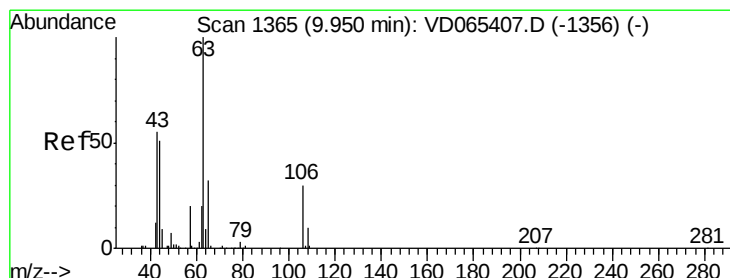
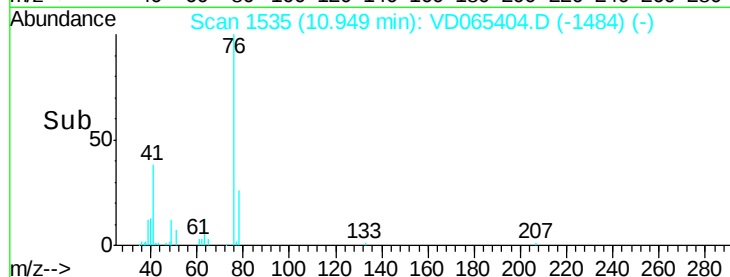
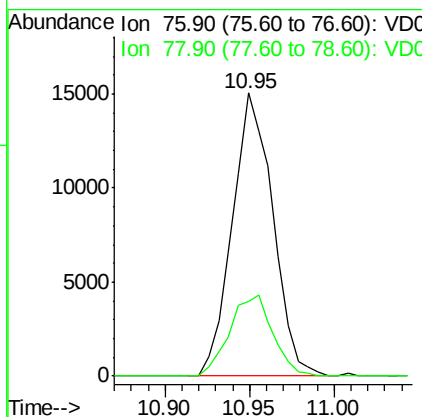
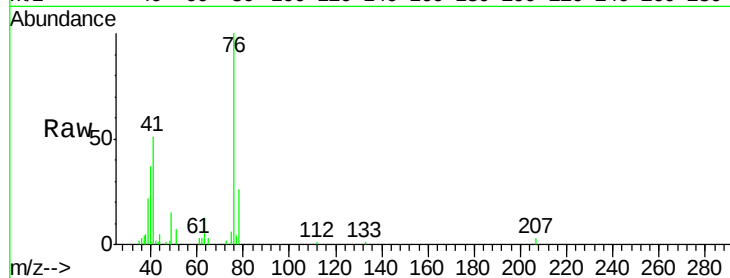
#57
 1,3-Dichloropropane
 Concen: 4.536 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 25074
 Ion Ratio Lower Upper
 76 100
 78 30.6 26.0 39.0

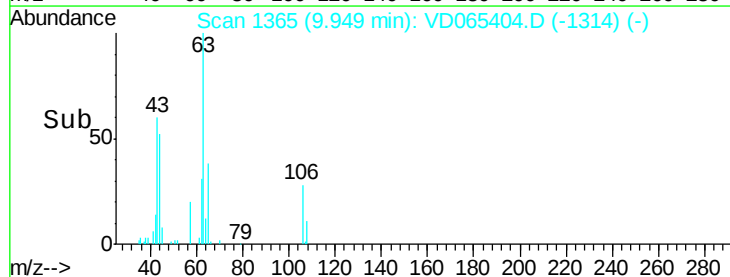
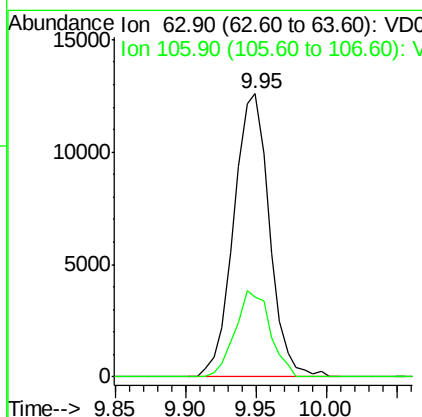
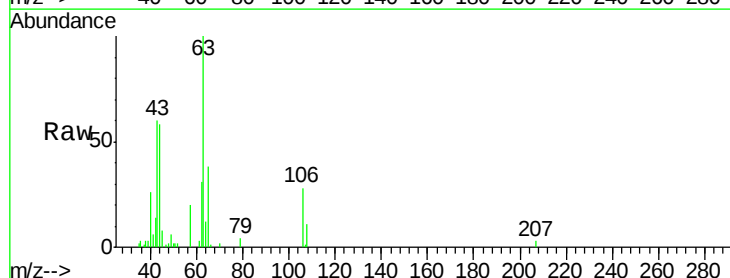
Manual Integrations
 APPROVED

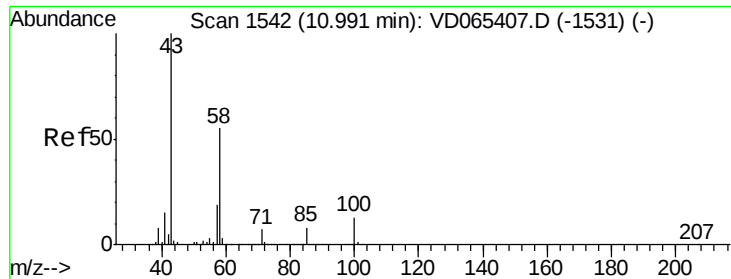
MMDadoda
 3/5/2020 1:38:23 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 16.960 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Tgt Ion: 63 Resp: 22268
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.3 34.9





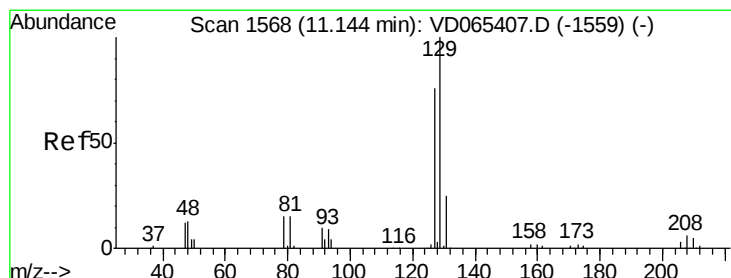
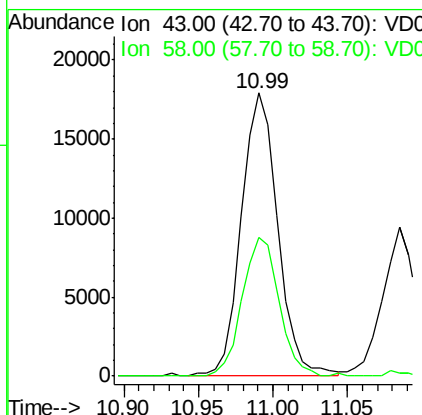
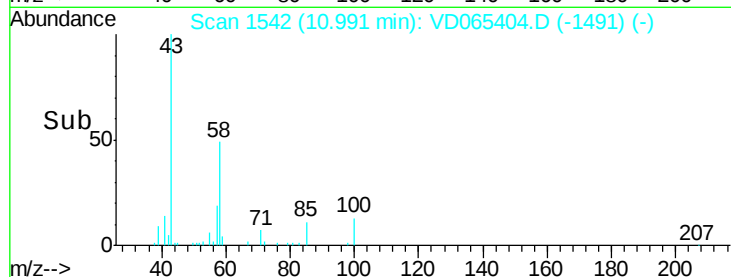
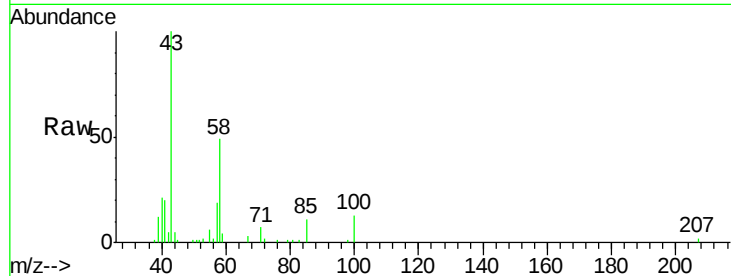
#59
2-Hexanone
Concen: 18.535 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 30287
Ion Ratio Lower Upper
43 100
58 49.3 27.4 82.2

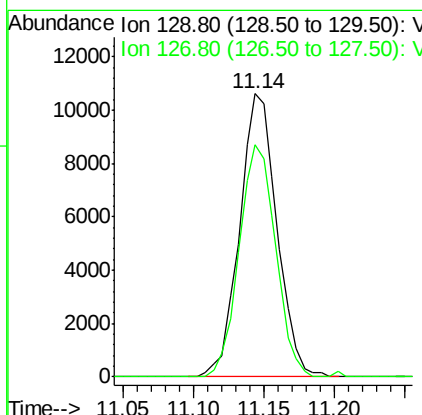
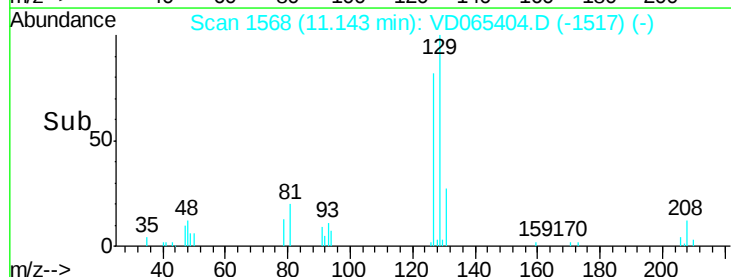
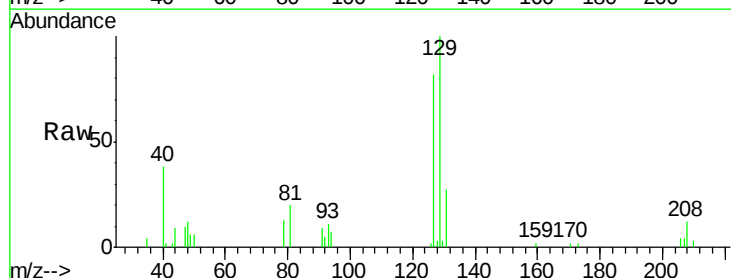
Manual Integrations
APPROVED

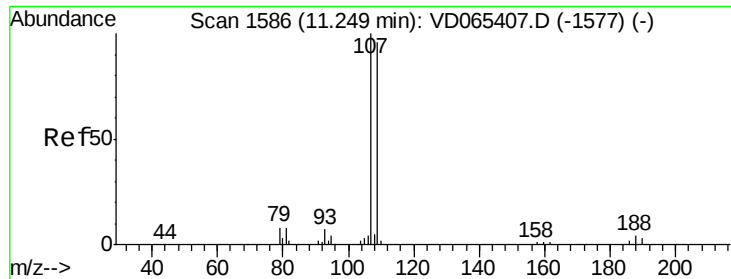
MMDadoda
3/5/2020 1:38:23 PM



#60
Dibromochloromethane
Concen: 4.677 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Tgt Ion: 129 Resp: 19617
Ion Ratio Lower Upper
129 100
127 79.9 38.5 115.5





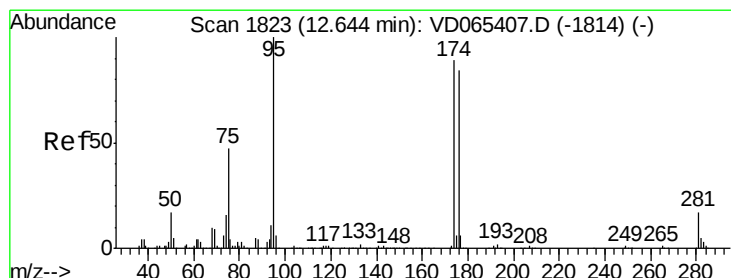
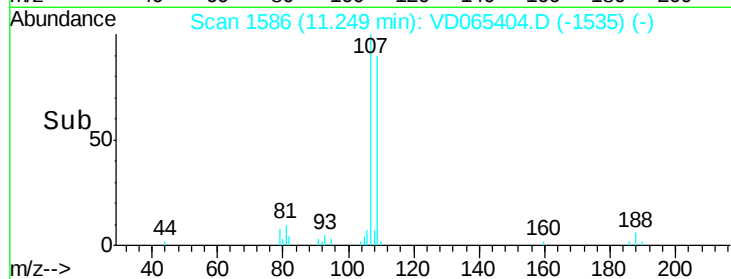
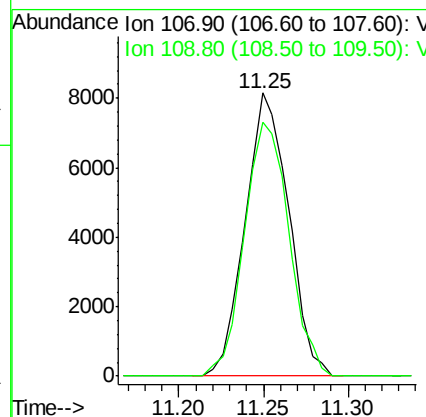
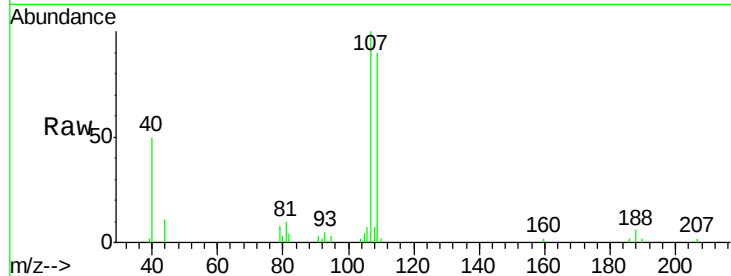
#61
 1,2-Dibromoethane
 Concen: 4.690 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.1	76.8	115.2

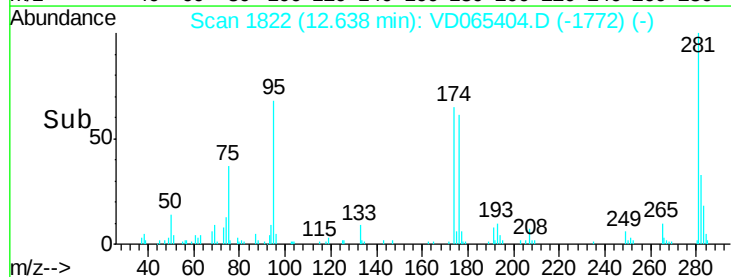
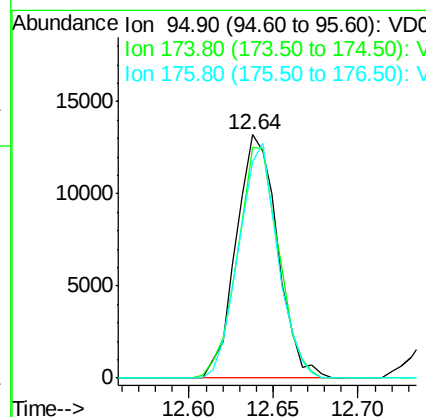
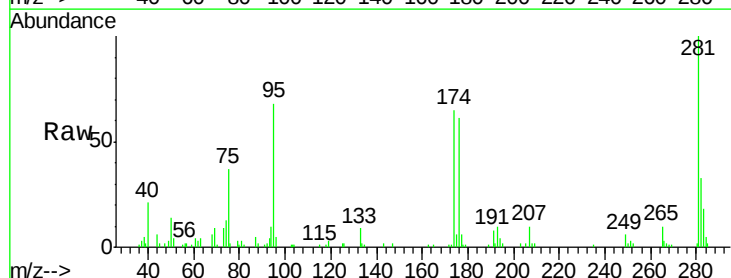
Manual Integrations
 APPROVED

MMDadoda
 3/5/2020 1:38:23 PM



#62
 4-Bromofluorobenzene
 Concen: 4.467 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.0	0.0	176.8
176	91.0	0.0	171.4





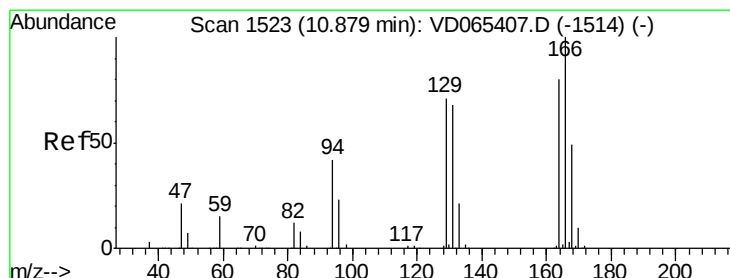
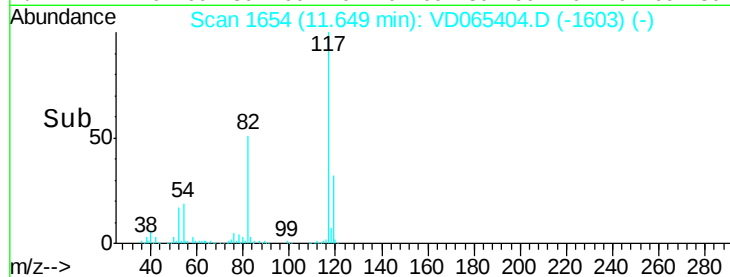
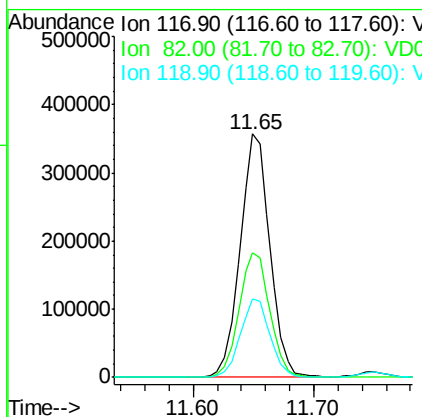
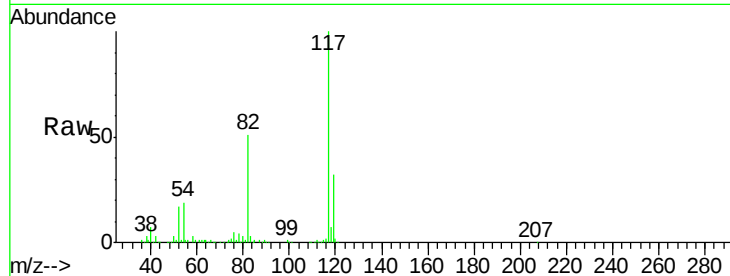
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.0	40.6	60.8
119	32.2	25.4	38.2

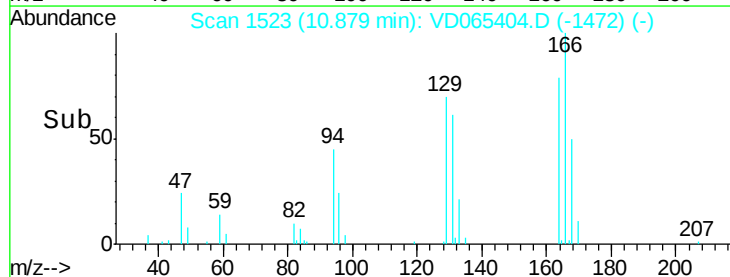
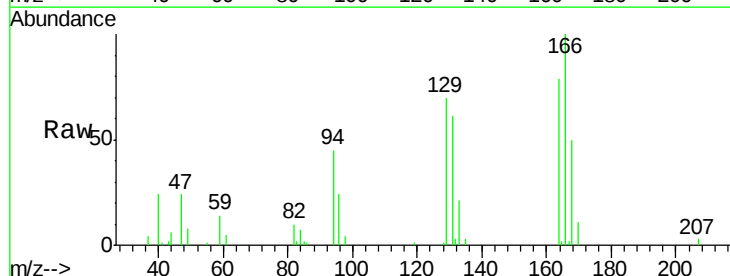
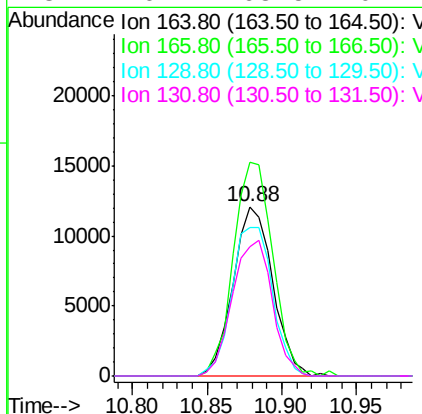
Manual Integrations
APPROVED

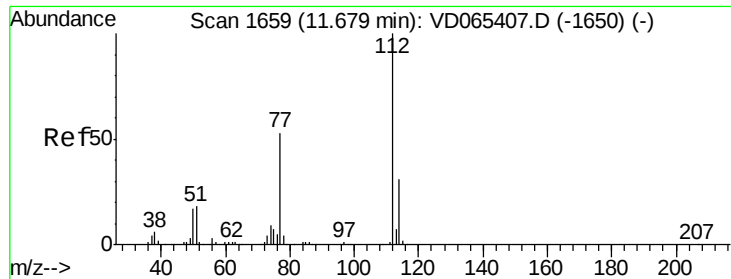
MMDadoda
3/5/2020 1:38:23 PM



#64
Tetrachloroethene
Concen: 5.077 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.9	100.5	150.7
129	87.6	71.5	107.3
131	76.4	68.5	102.7





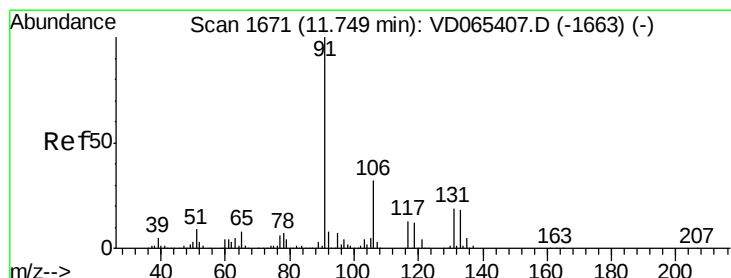
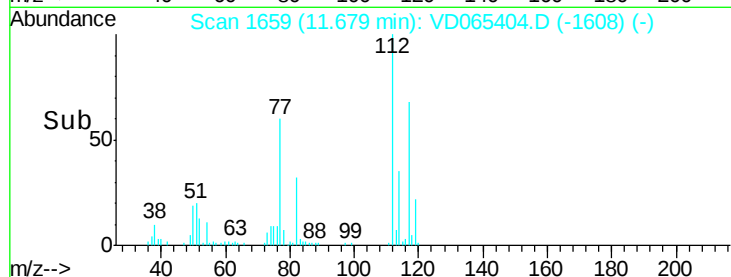
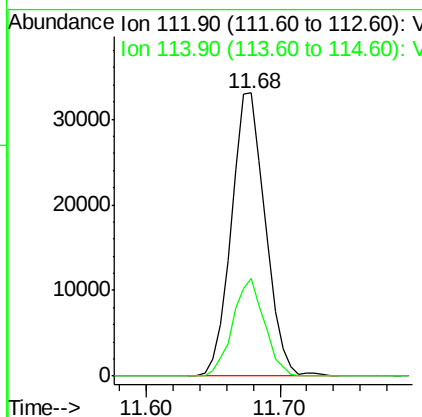
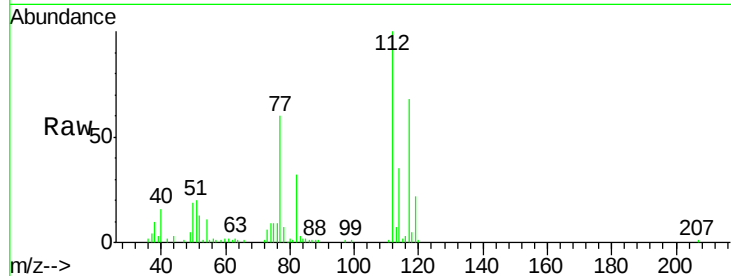
#65
Chlorobenzene
Concen: 4.782 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.6	24.4	36.6

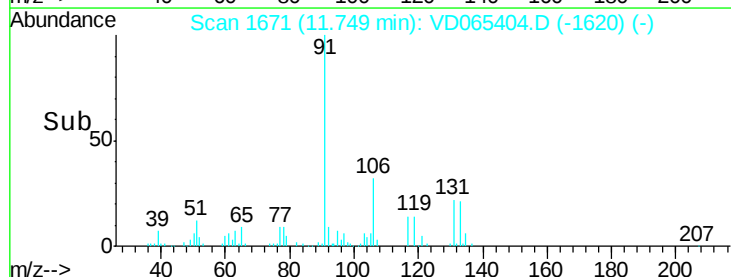
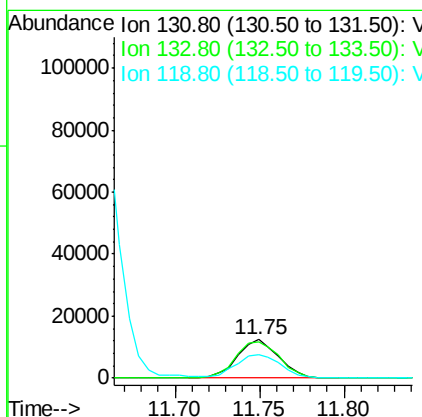
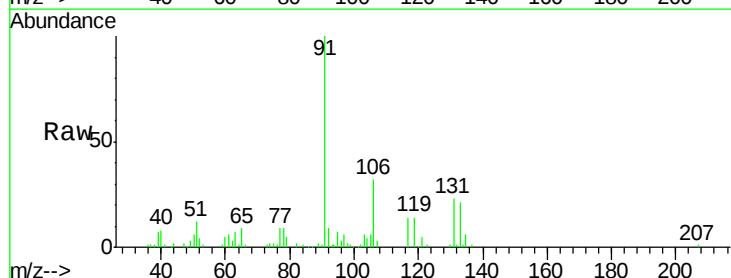
Manual Integrations
APPROVED

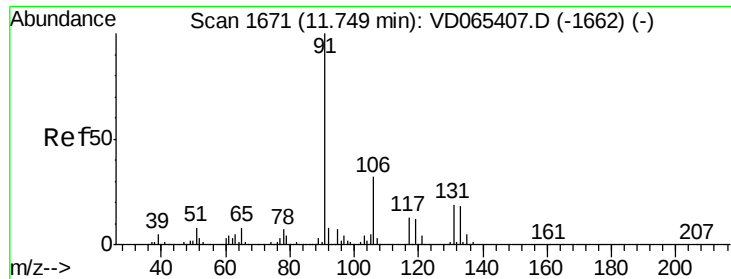
MMDadoda
3/5/2020 1:38:23 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.785 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.9	49.2	147.6
119	65.1	33.3	99.8





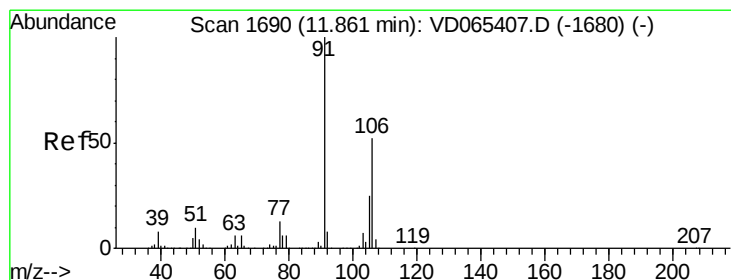
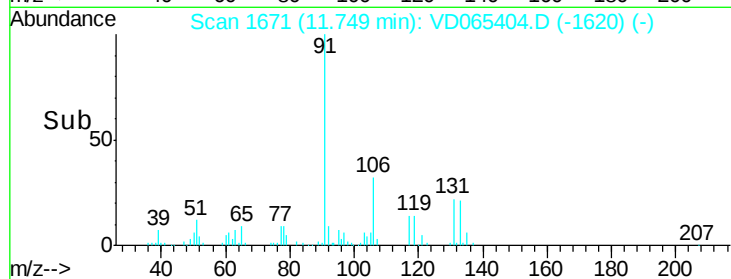
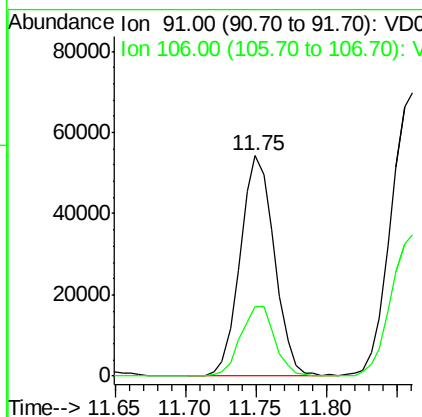
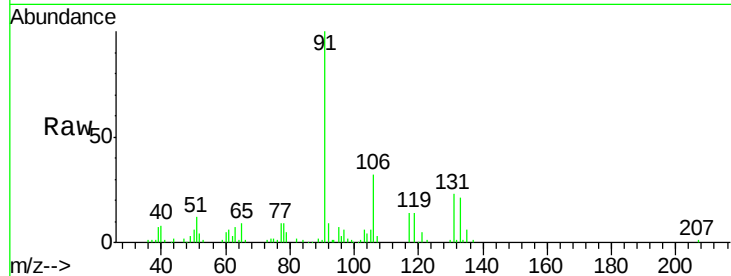
#67
Ethyl Benzene
Concen: 4.387 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 92285
Ion Ratio Lower Upper
91 100
106 31.5 25.2 37.8

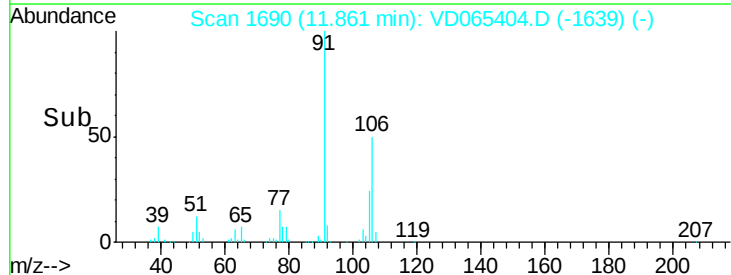
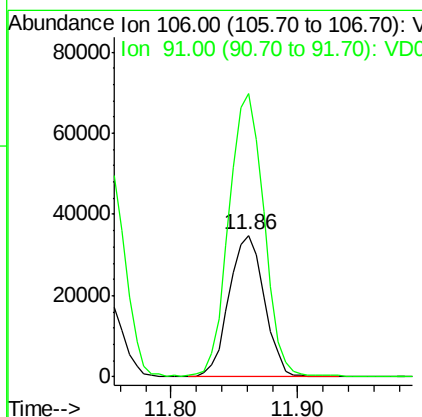
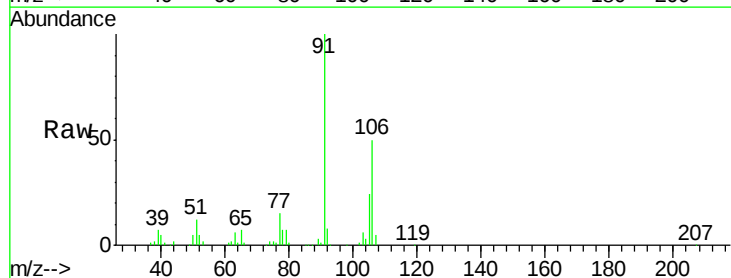
Manual Integrations
APPROVED

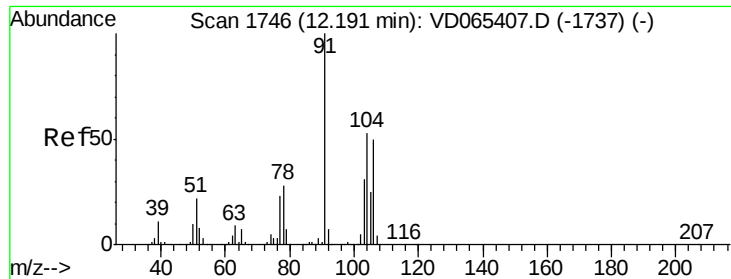
MMDadoda
3/5/2020 1:38:23 PM



#68
m/p-Xylenes
Concen: 8.270 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Tgt Ion: 106 Resp: 67067
Ion Ratio Lower Upper
106 100
91 200.2 155.9 233.9





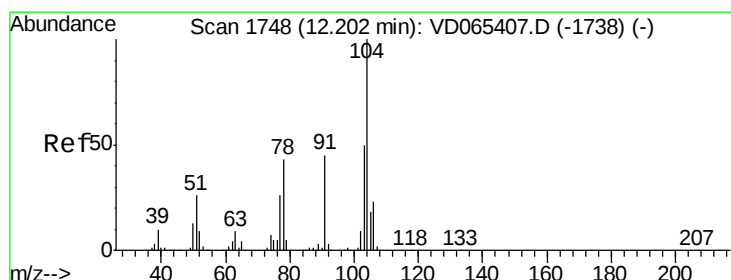
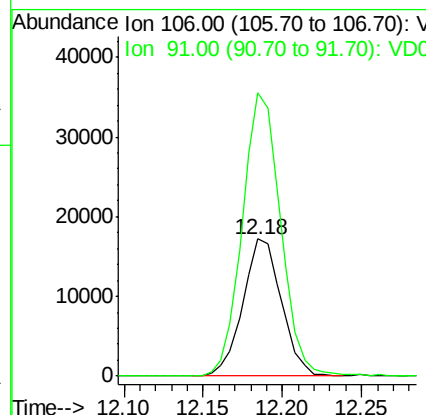
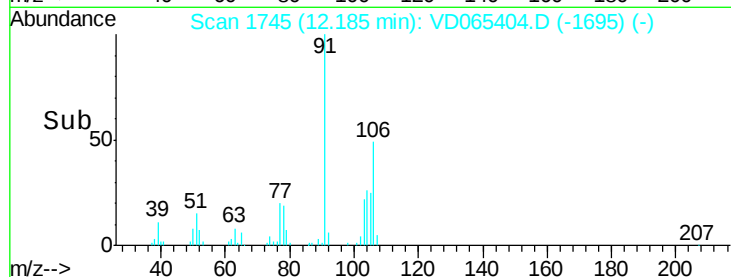
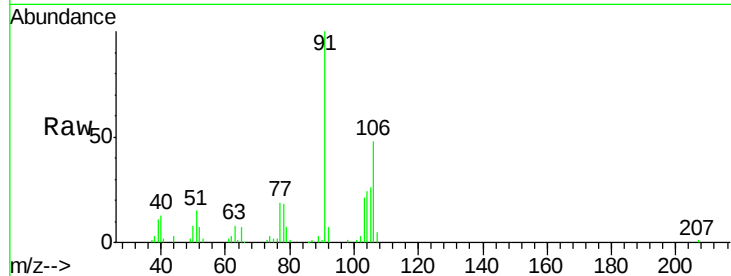
#69
o-Xylene
Concen: 4.081 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 29110
Ion Ratio Lower Upper
106 100
91 205.4 103.5 310.3

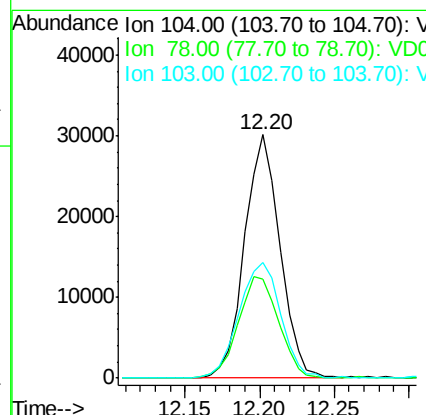
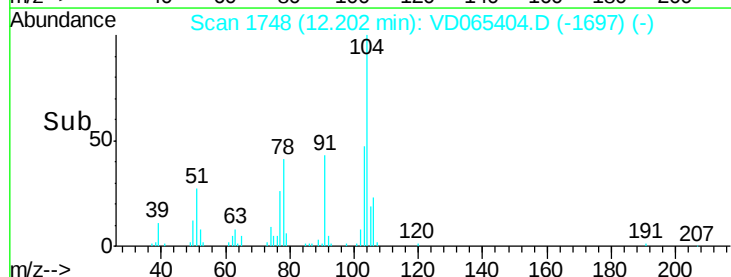
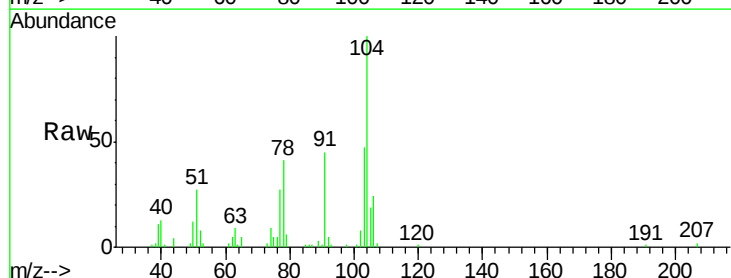
Manual Integrations
APPROVED

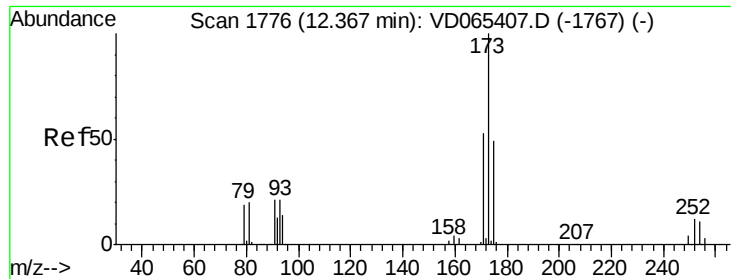
MMDadoda
3/5/2020 1:38:23 PM



#70
Styrene
Concen: 3.938 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Tgt Ion:104 Resp: 49545
Ion Ratio Lower Upper
104 100
78 47.5 37.7 56.5
103 55.8 43.6 65.4





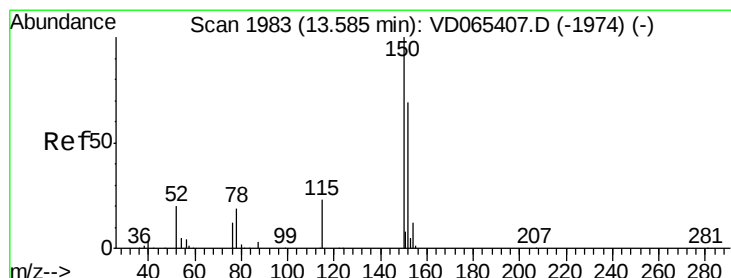
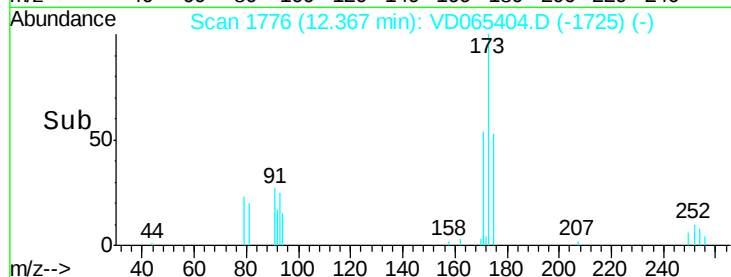
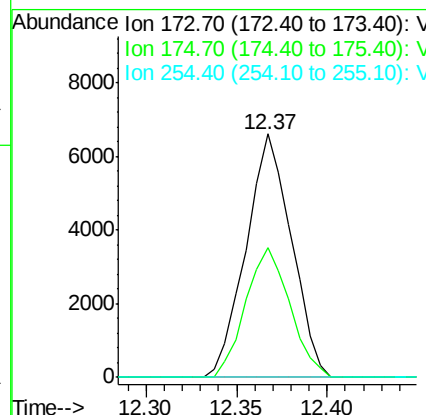
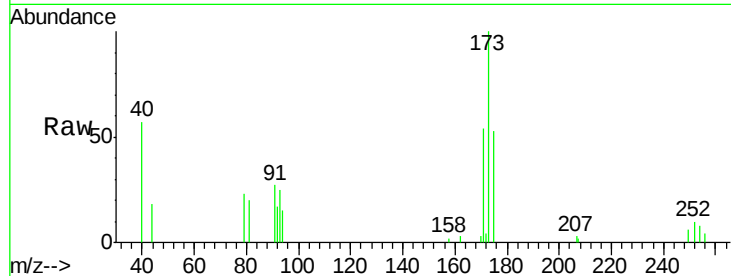
#71
Bromoform
Concen: 4.575 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	52.0	24.3	73.0	
254	0.0	0.1	0.1	

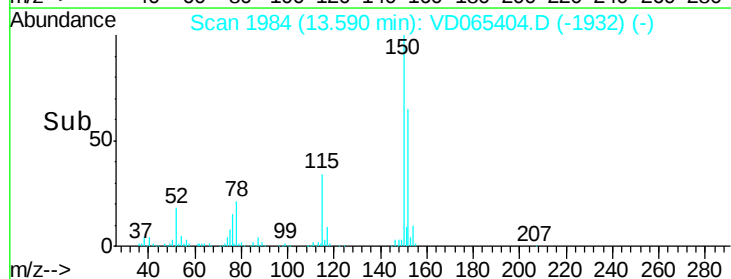
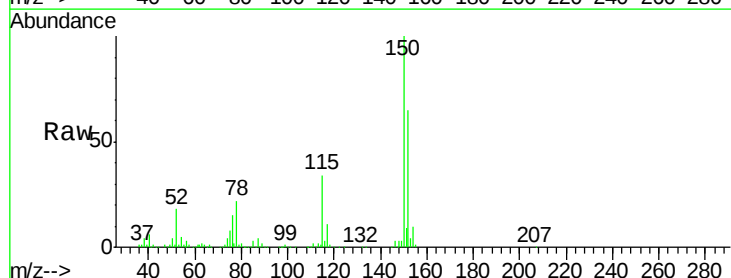
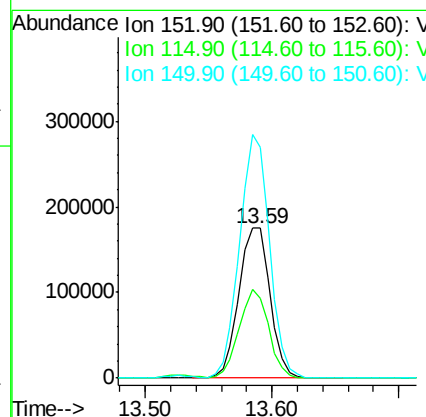
Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:38:23 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.59 min Scan# 1984
Delta R.T. 0.01 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Tgt Ion	Ion	Ratio	Lower	Upper
152	100			
115	55.6	27.6	82.8	
150	156.0	0.0	345.0	





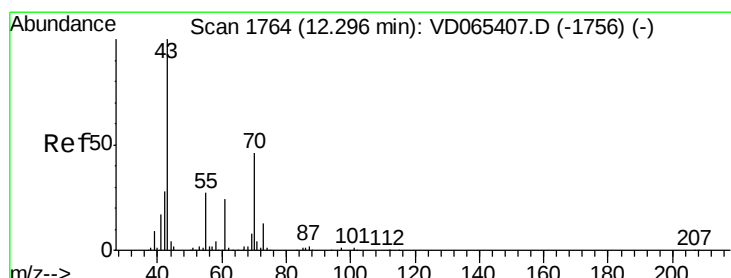
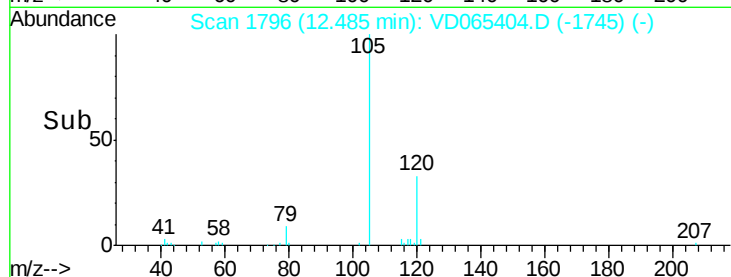
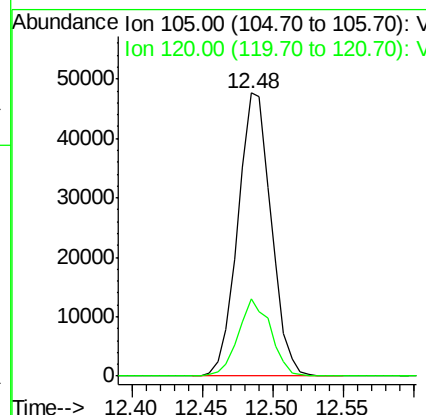
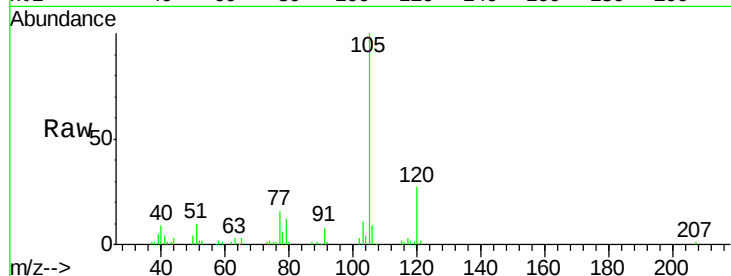
#73
Isopropylbenzene
Concen: 4.019 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.5	40.4

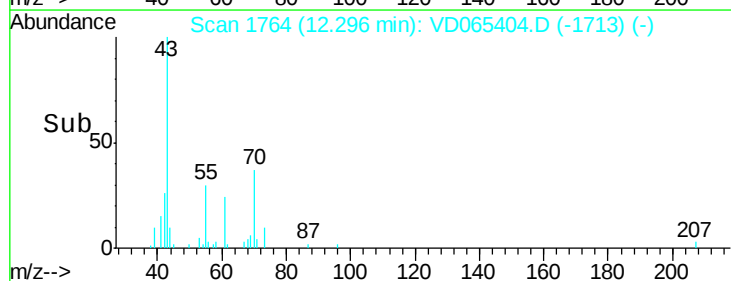
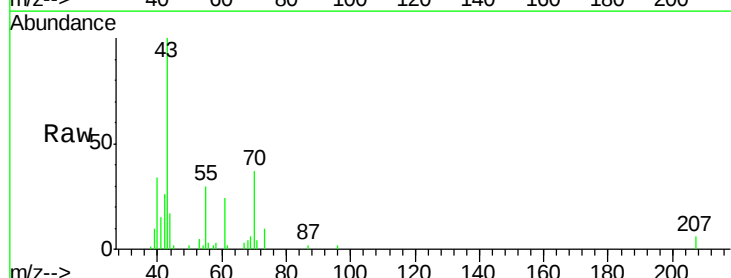
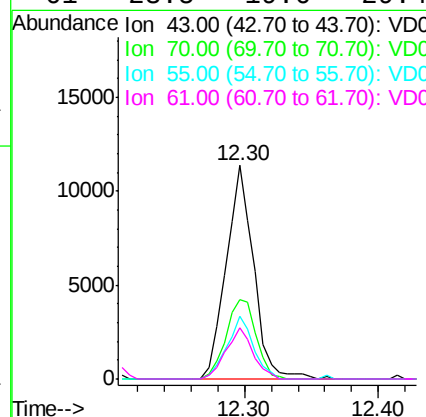
Manual Integrations
APPROVED

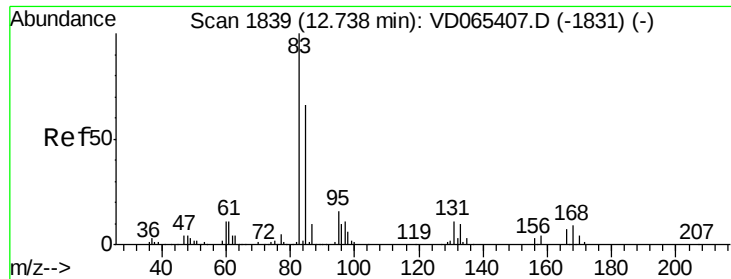
MMDadoda
3/5/2020 1:38:23 PM



#74
N-ethyl acetate
Concen: 4.101 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.4	36.1	54.1
55	28.1	21.6	32.4
61	23.5	19.6	29.4





#75

1,1,2,2-Tetrachloroethane

Concen: 4.644 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Instrument :

MSVOA_D

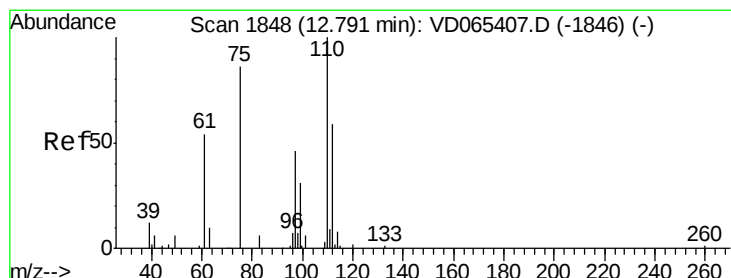
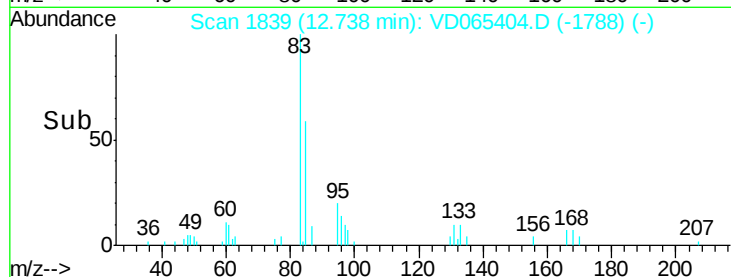
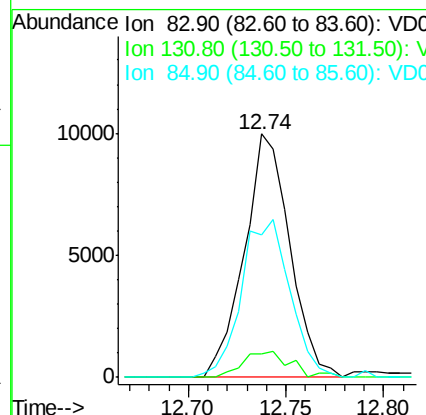
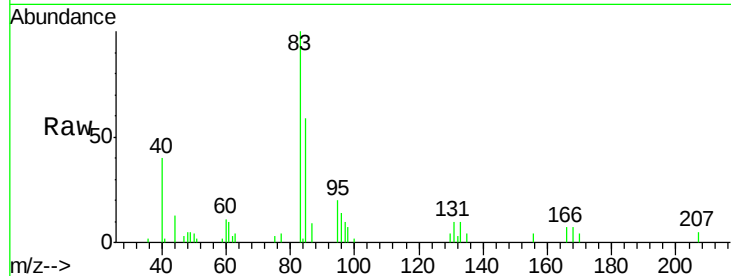
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	16121
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.4	16.2
85	69.1	33.0	98.9

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:38:23 PM



#76

1,2,3-Trichloropropane

Concen: 2.131 ug/l m

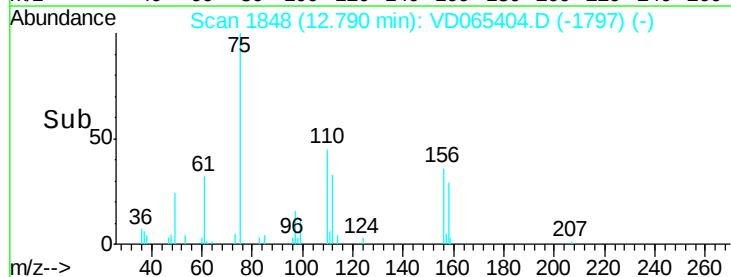
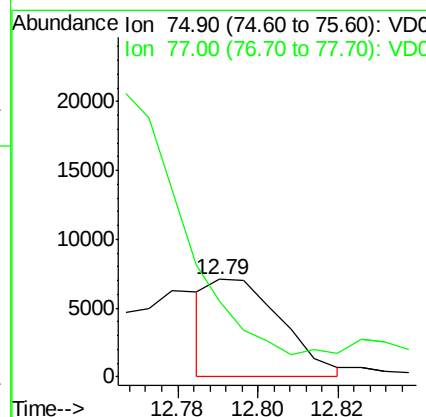
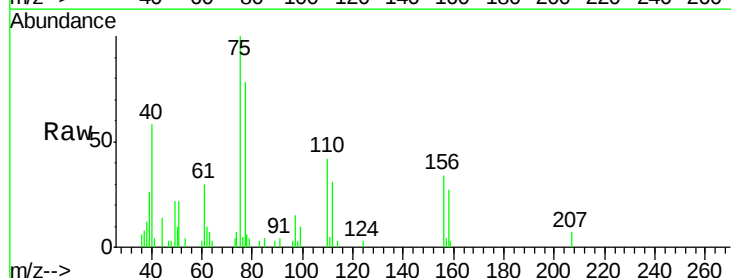
RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Tgt Ion:	75	Resp:	8772
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 4.501 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:156 Resp: 22084

Ion Ratio Lower Upper

156 100

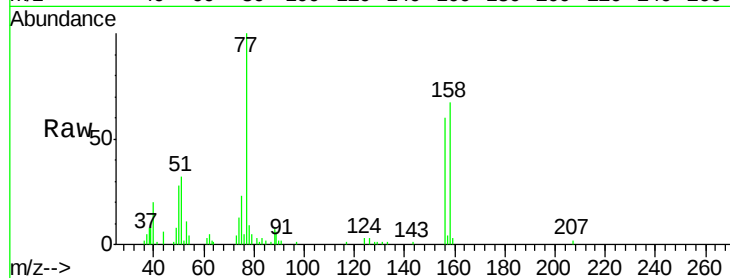
77 173.5 84.9 254.6

158 98.5 49.0 147.2

Manual Integrations
APPROVED

MMDadoda

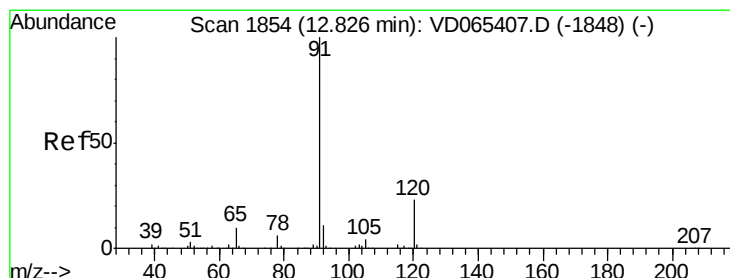
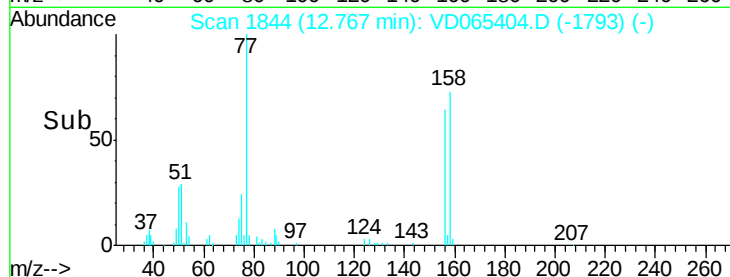
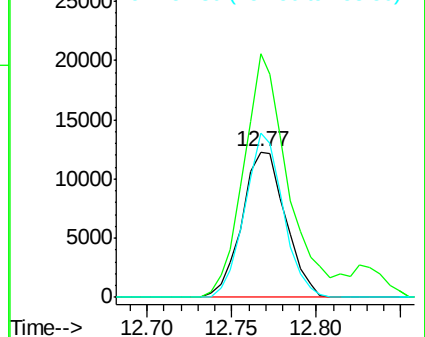
3/5/2020 1:38:23 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.177 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065404.D

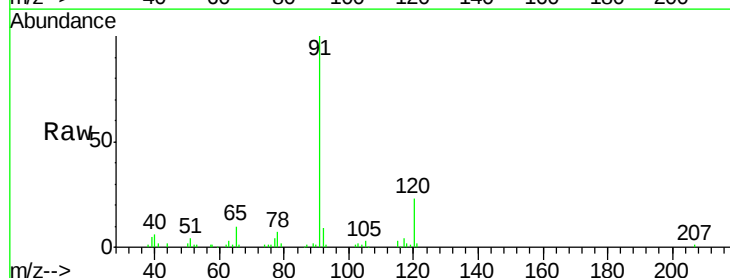
Acq: 04 Mar 2020 10:37

Tgt Ion: 91 Resp: 97282

Ion Ratio Lower Upper

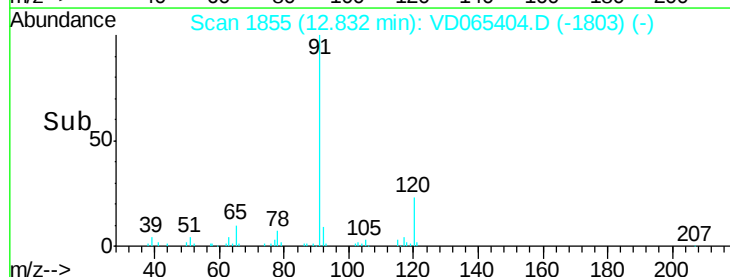
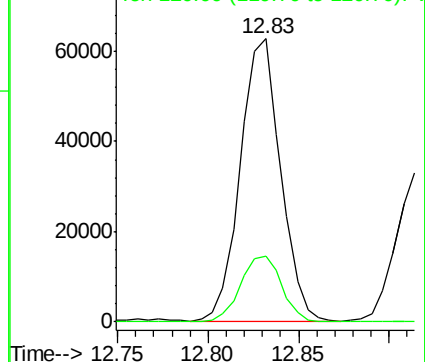
91 100

120 23.6 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.272 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 55972

Ion Ratio Lower Upper

91 100

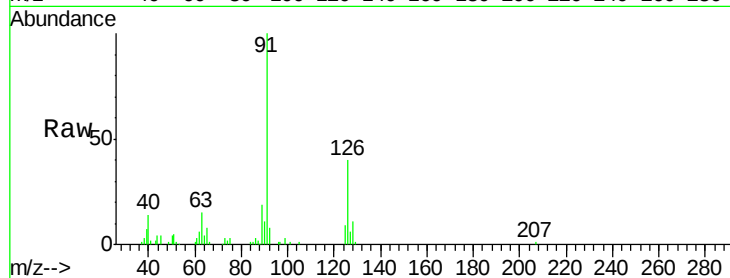
126 36.0 17.9 53.8

Manual Integrations

APPROVED

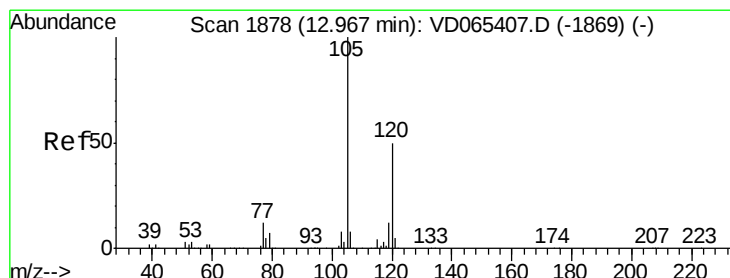
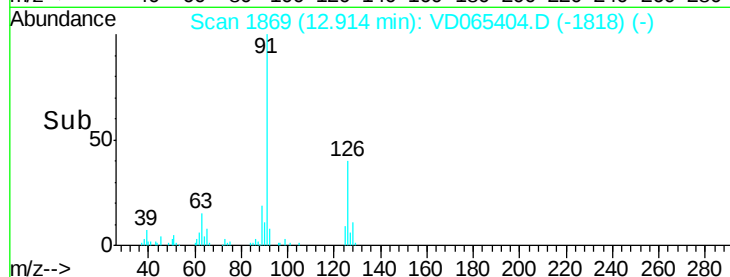
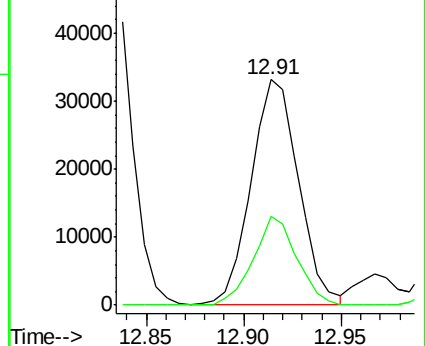
MMDadoda

3/5/2020 1:38:23 PM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 3.980 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065404.D

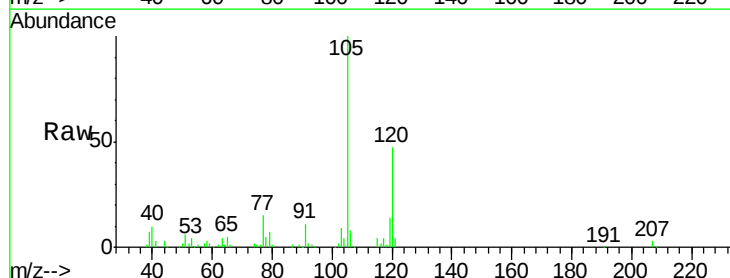
Acq: 04 Mar 2020 10:37

Tgt Ion:105 Resp: 64117

Ion Ratio Lower Upper

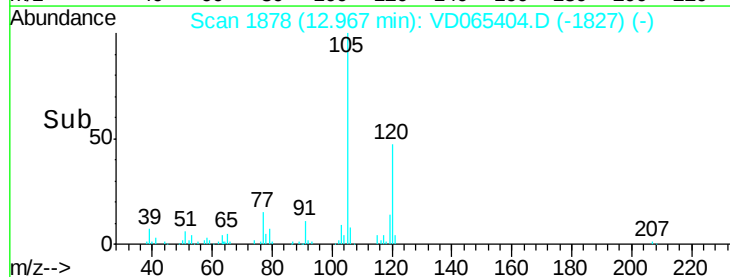
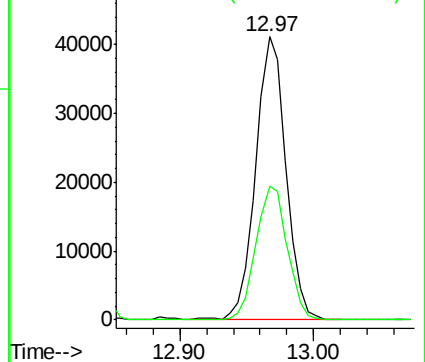
105 100

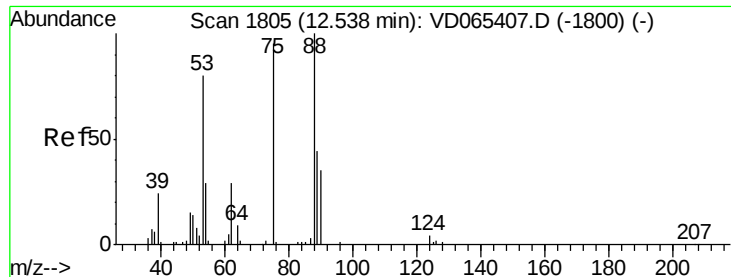
120 48.6 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.332 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 4838

Ion Ratio Lower Upper

75 100

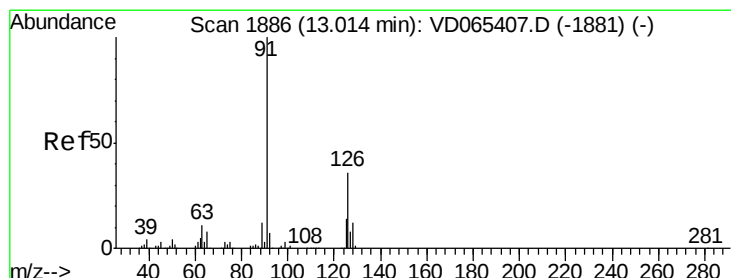
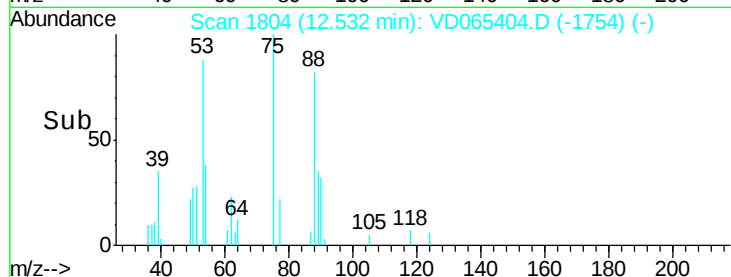
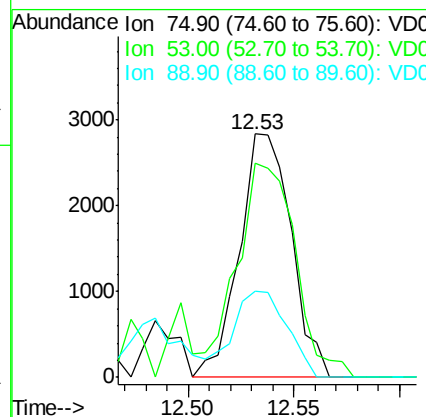
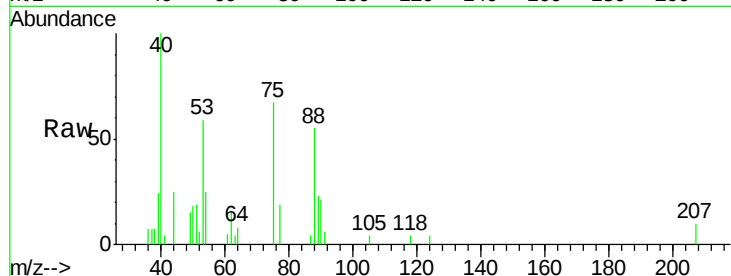
53 97.8 71.3 106.9

89 36.9 37.0 55.6#

Manual Integrations
APPROVED

MMDadoda

3/5/2020 1:38:23 PM



#82

4-Chlorotoluene

Concen: 4.394 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VD065404.D

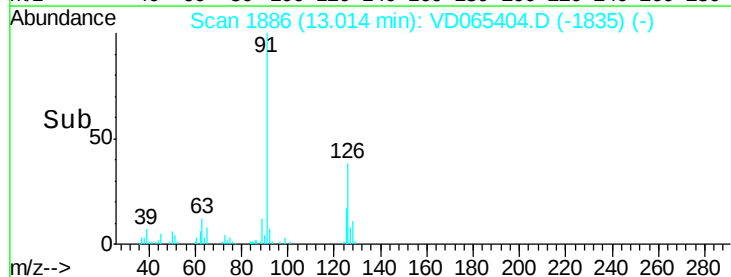
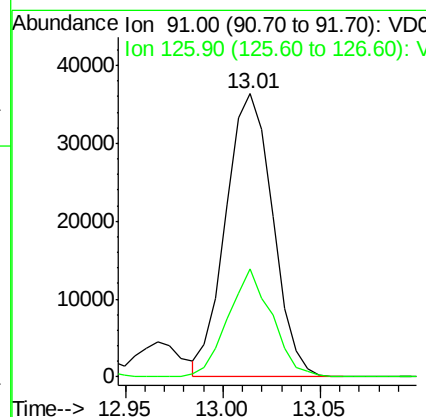
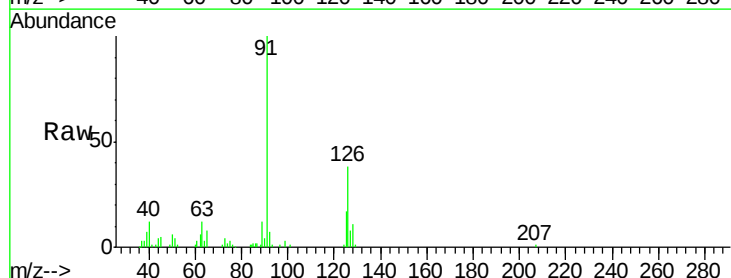
Acq: 04 Mar 2020 10:37

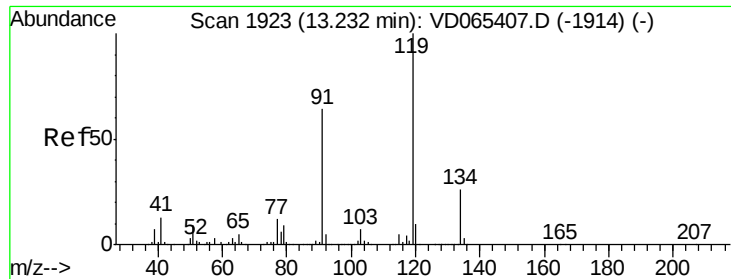
Tgt Ion: 91 Resp: 60690

Ion Ratio Lower Upper

91 100

126 35.6 17.6 52.8





#83

tert-Butylbenzene

Concen: 4.101 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Instrument :

MSVOA_D

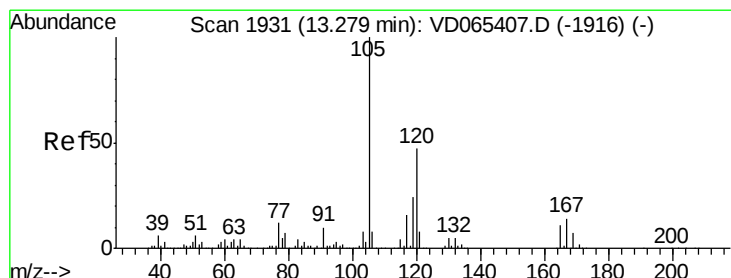
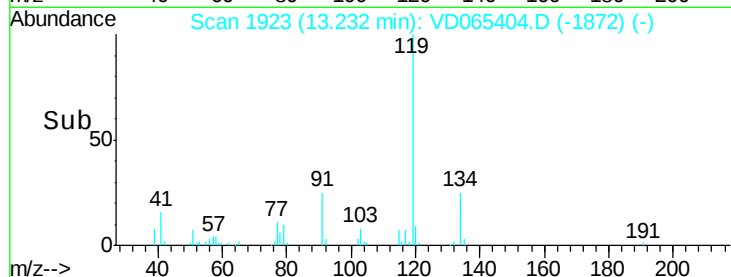
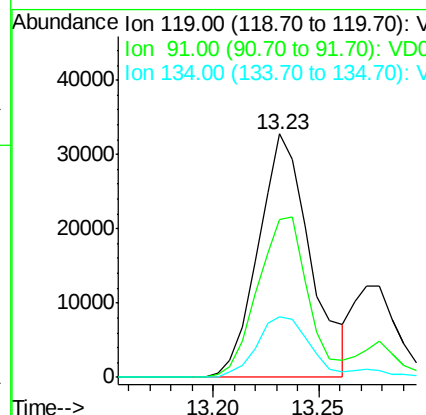
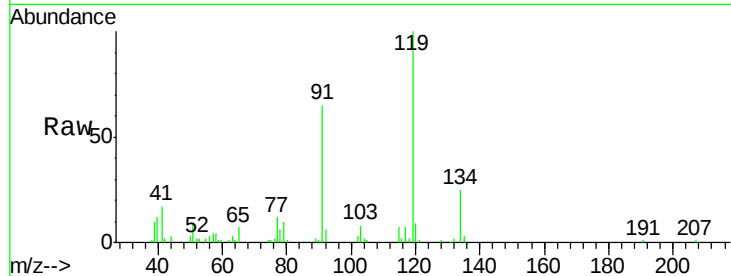
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	55787
Ion Ratio	Lower	Upper	
119	100		
91	64.1	31.6	95.0
134	25.1	14.2	42.8

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:38:23 PM



#84

1,2,4-Trimethylbenzene

Concen: 4.039 ug/l

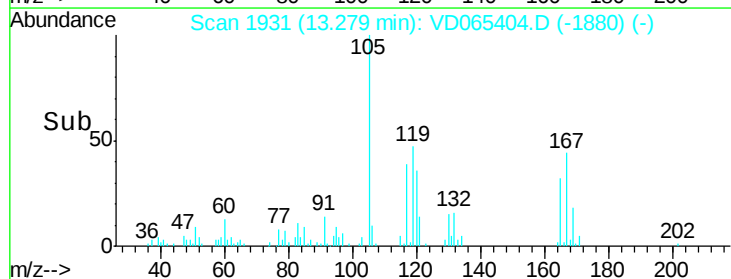
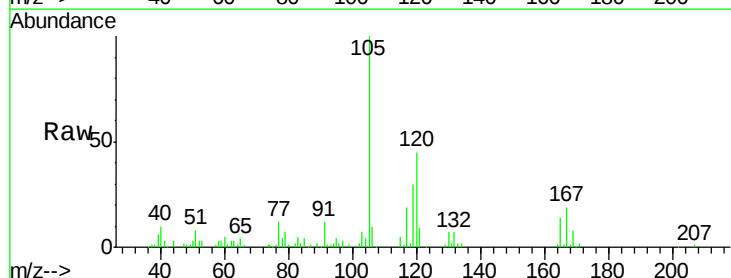
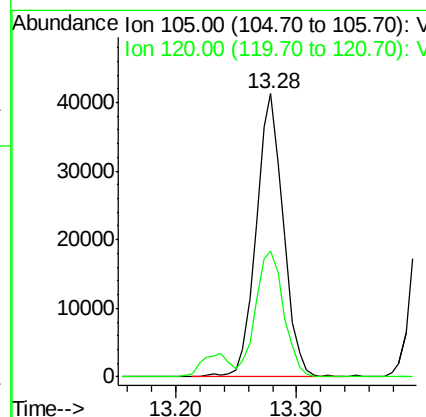
RT: 13.28 min Scan# 1931

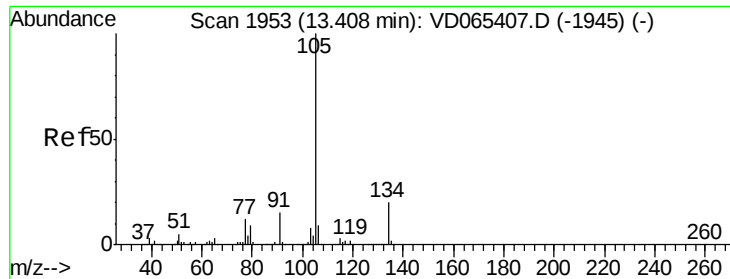
Delta R.T. -0.00 min

Lab File: VD065404.D

Acq: 04 Mar 2020 10:37

Tgt Ion:	105	Resp:	64236
Ion Ratio	Lower	Upper	
105	100		
120	46.1	23.4	70.3





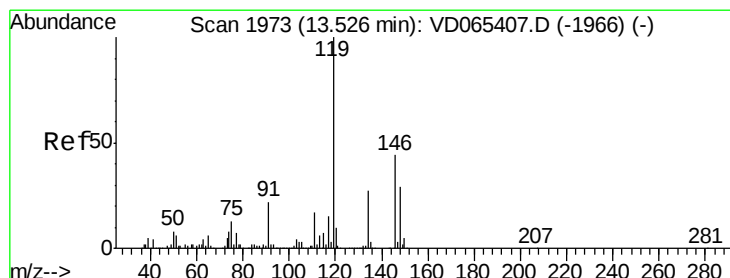
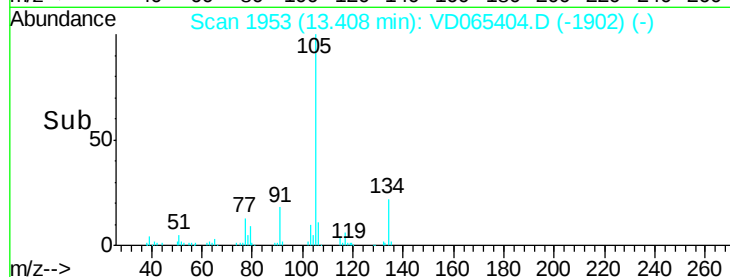
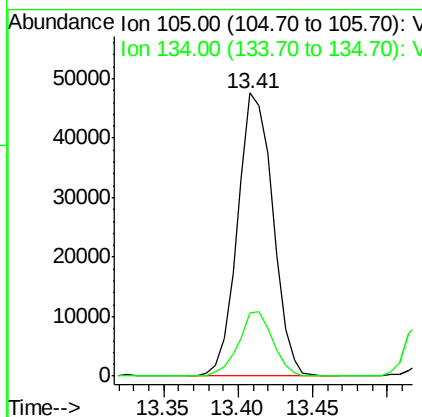
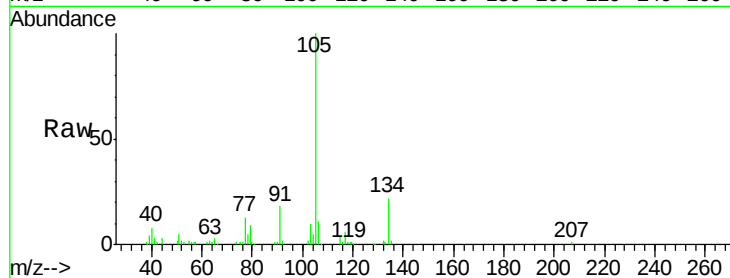
#85
 sec-Butylbenzene
 Concen: 4.025 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	22.0	10.3	30.9

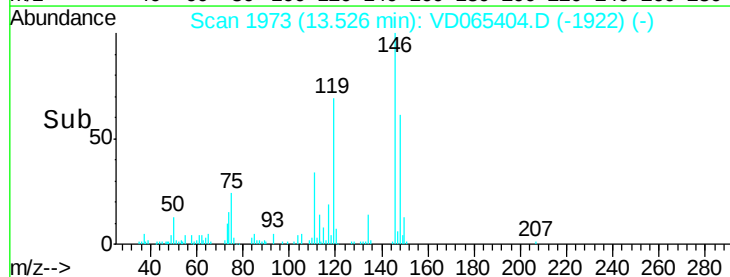
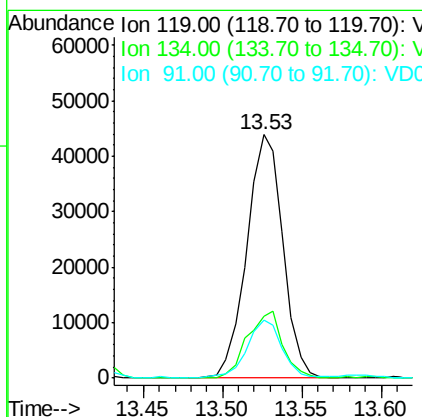
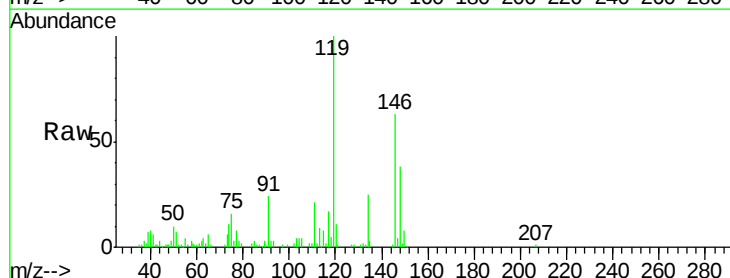
Manual Integrations
 APPROVED

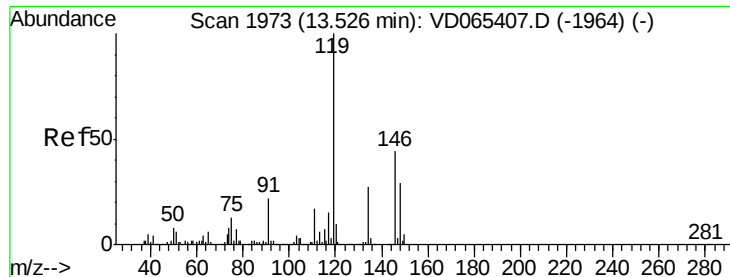
MMDadoda
 3/5/2020 1:38:23 PM



#86
 p-Isopropyltoluene
 Concen: 3.922 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.3	39.9
91	23.2	10.9	32.6





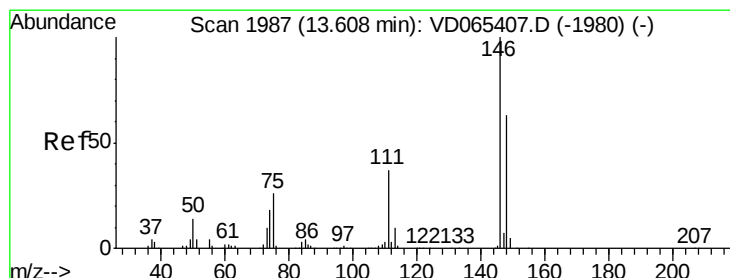
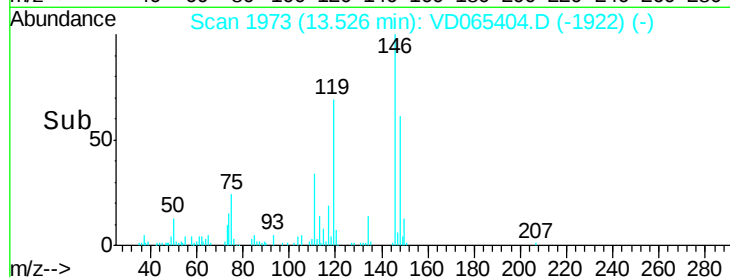
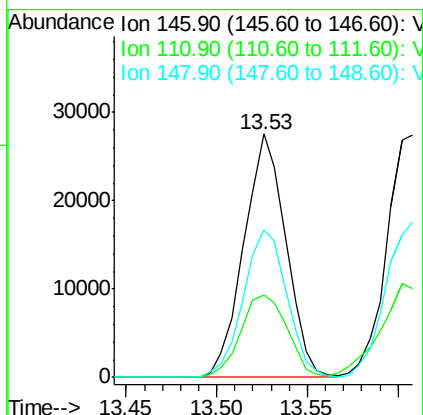
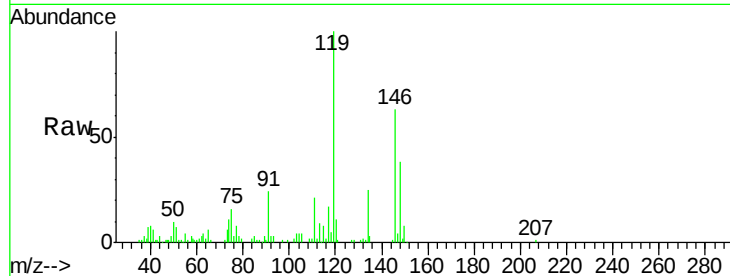
#87
 1,3-Dichlorobenzene
 Concen: 4.746 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	19.1	57.1
148	62.6	32.3	96.8

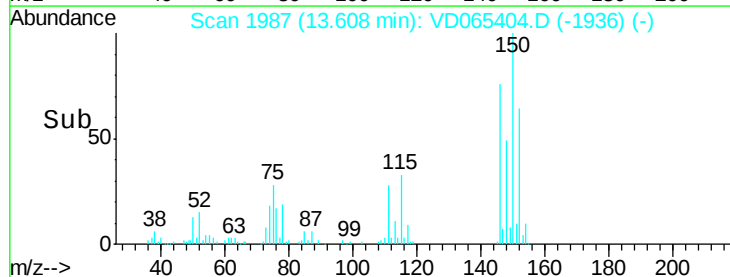
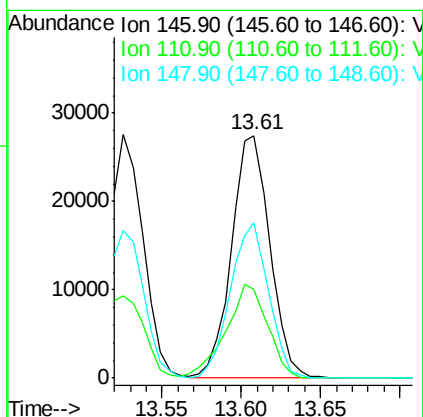
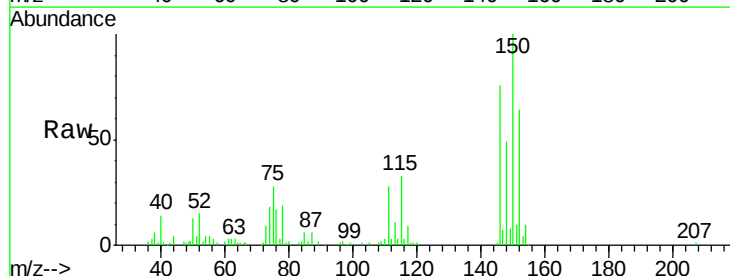
Manual Integrations
 APPROVED

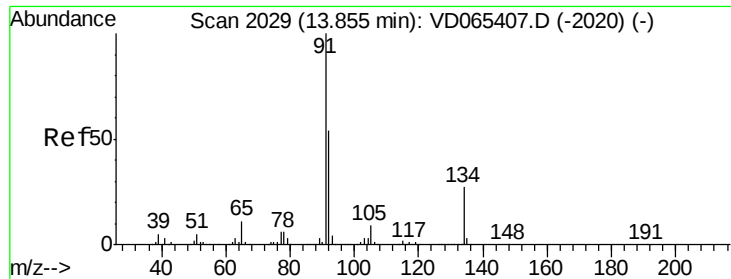
MMDadoda
 3/5/2020 1:38:23 PM



#88
 1,4-Dichlorobenzene
 Concen: 4.935 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.7	18.5	55.5
148	64.0	32.0	96.0





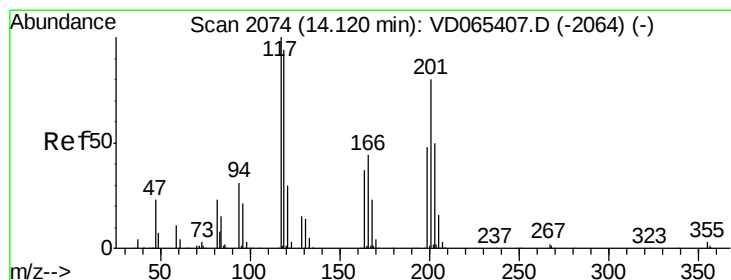
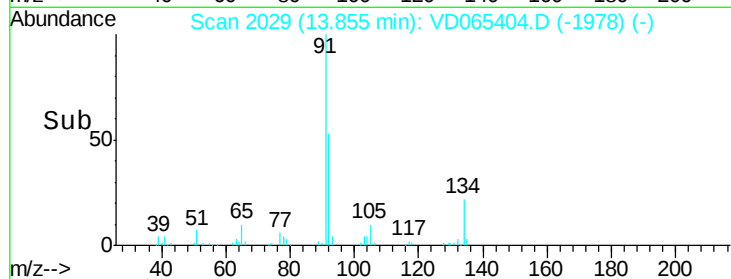
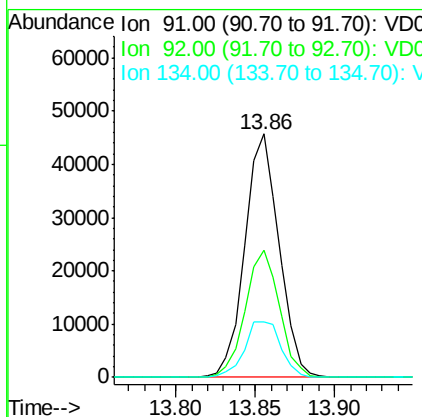
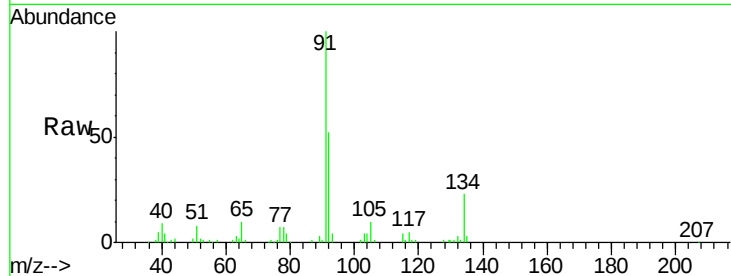
#89
n-Butylbenzene
Concen: 4.193 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		68573		
92	51.9	26.8		80.4	
134	24.5	13.4		40.2	

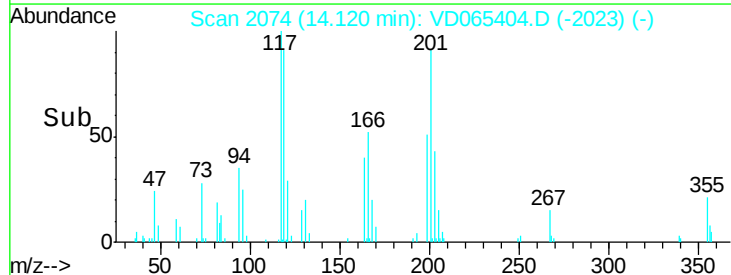
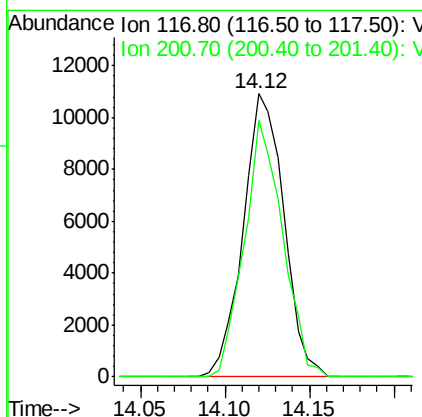
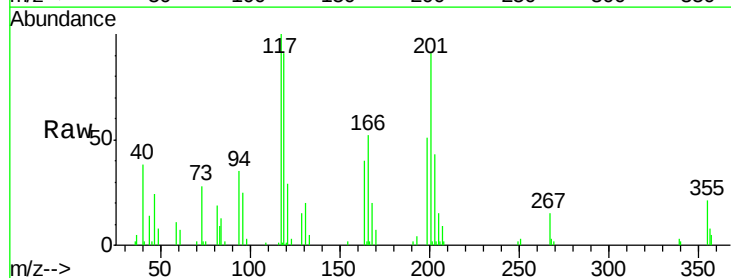
Manual Integrations
APPROVED

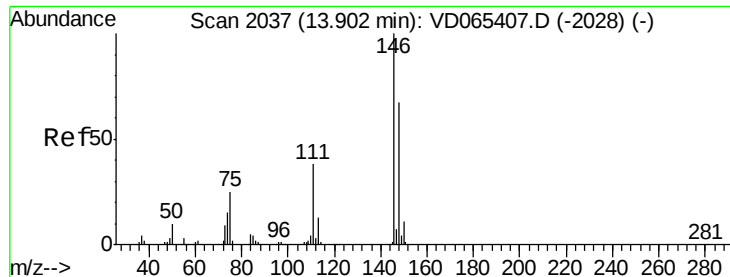
MMDadoda
3/5/2020 1:38:23 PM



#90
Hexachloroethane
Concen: 5.013 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		18347		
201	85.6	41.9		125.6	





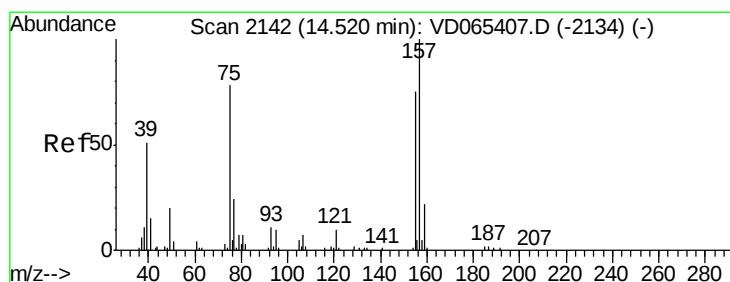
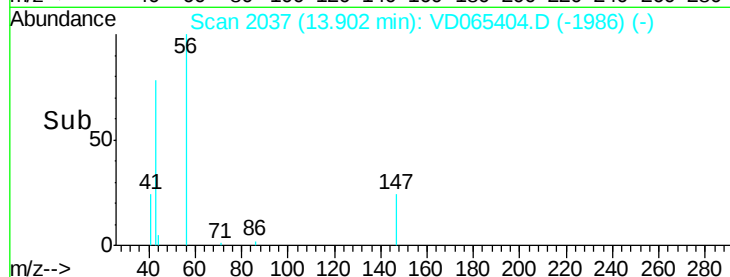
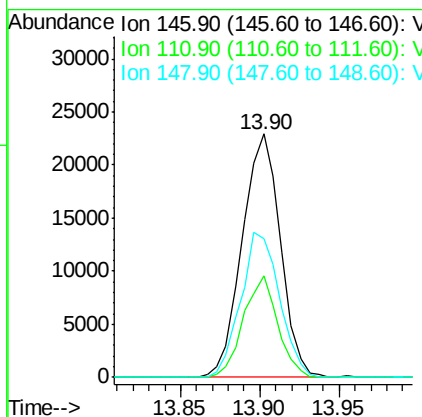
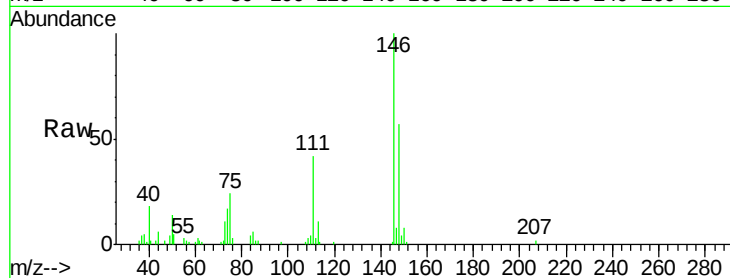
#91
 1,2-Dichlorobenzene
 Concen: 4.783 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.8	59.3
148	60.2	32.6	97.8

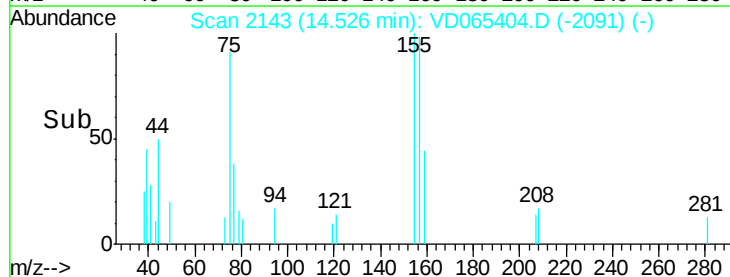
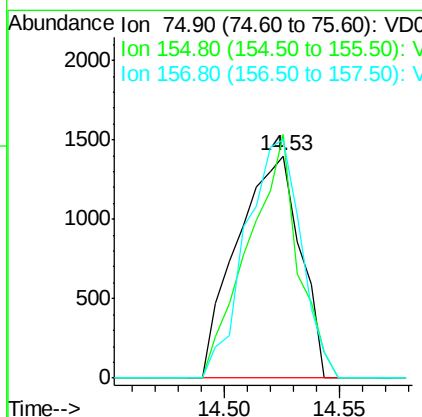
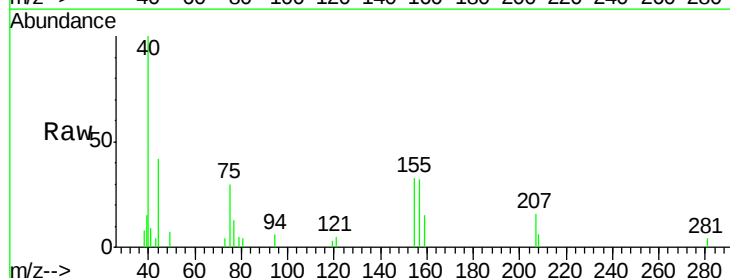
Manual Integrations
 APPROVED

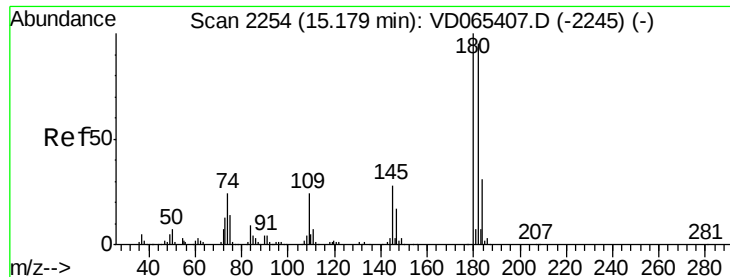
MMDadoda
 3/5/2020 1:38:23 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.980 ug/l
 RT: 14.53 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.6	46.4	139.1
157	94.2	60.2	180.4





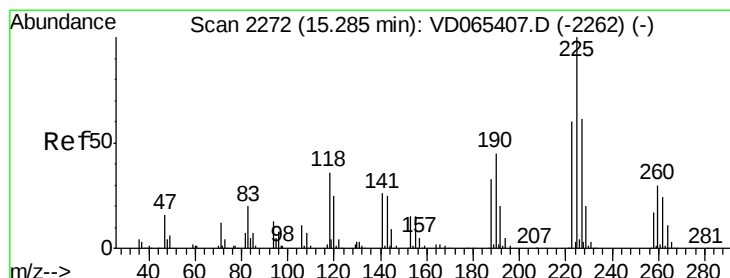
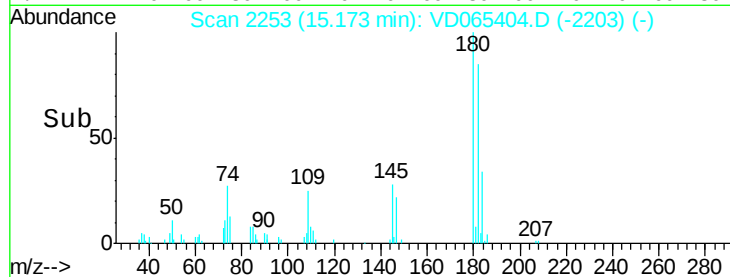
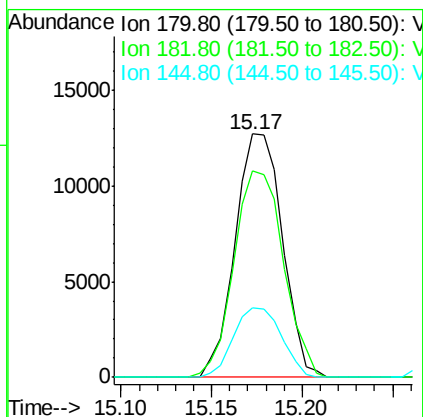
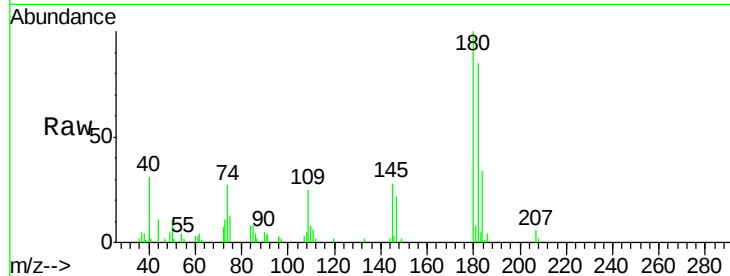
#93
 1,2,4-Trichlorobenzene
 Concen: 4.265 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	23050		
182	89.3		48.3	144.9
145	29.0		14.4	43.4

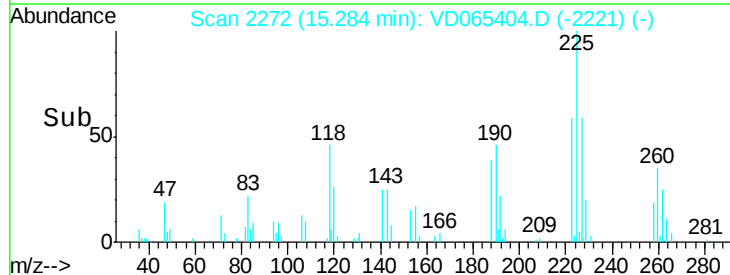
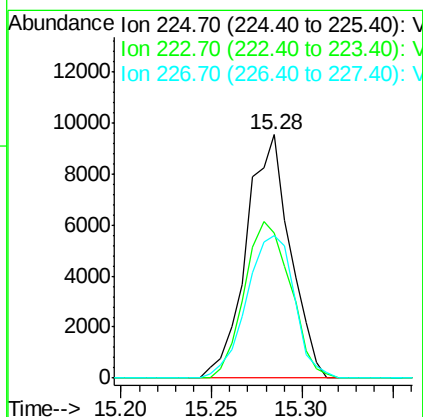
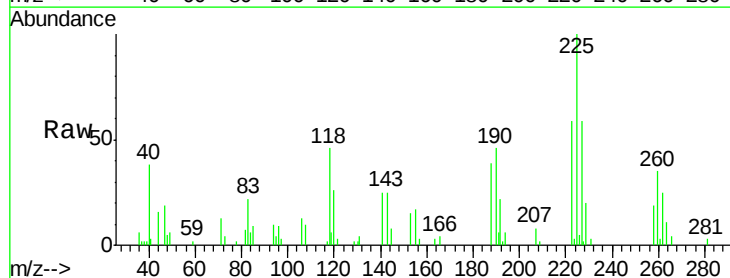
Manual Integrations
 APPROVED

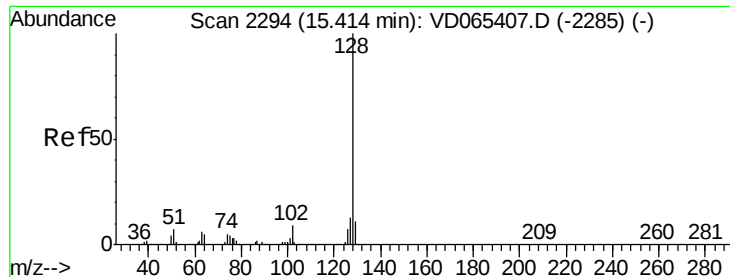
MMDadoda
 3/5/2020 1:38:23 PM



#94
 Hexachlorobutadiene
 Concen: 4.541 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VD065404.D
 Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	16053		
223	67.4		30.9	92.5
227	63.7		31.6	94.7





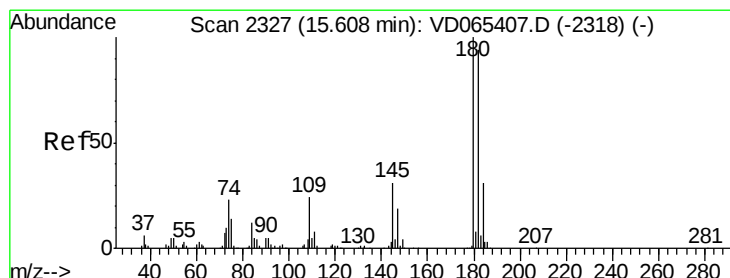
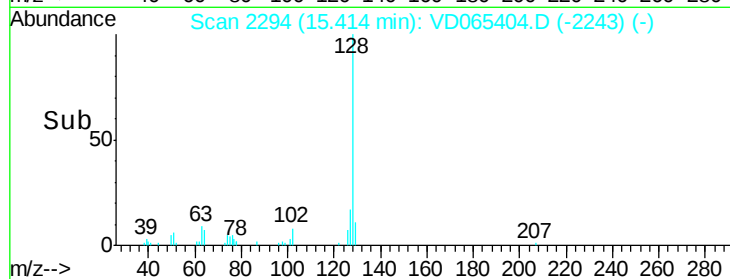
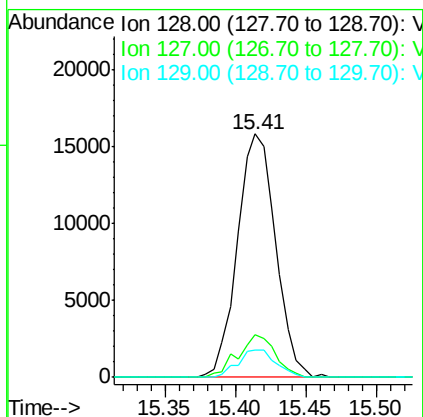
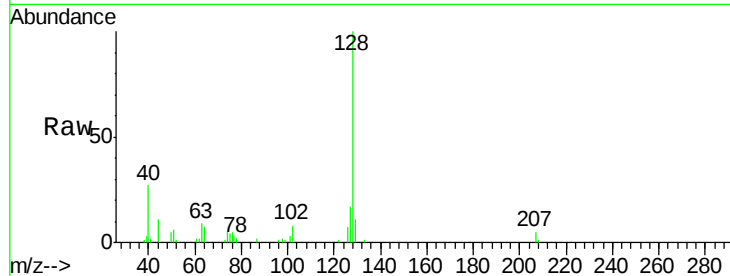
#95
Naphthalene
Concen: 3.442 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	17.1	10.6	16.0
129	11.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
3/5/2020 1:38:23 PM



#96
1,2,3-Trichlorobenzene
Concen: 4.303 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD065404.D
Acq: 04 Mar 2020 10:37

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.9	140.6
145	31.5	15.0	45.1

