

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100719\
 Data File : VD063896.D
 Acq On : 07 Oct 2019 12:49
 Operator : VA/SY
 Sample : VD1007SBSD01
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 1:46:04 PM

Quant Time: Oct 08 17:33:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	183089	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	297898	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	291616	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	154652	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	86040	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
35) Dibromofluoromethane	7.92	113	87172	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	
50) Toluene-d8	10.34	98	357898	48.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.86%	
62) 4-Bromofluorobenzene	12.63	95	121010	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	27486	21.169	ug/l	96
3) Chloromethane	2.21	50	83864	21.406	ug/l	93
4) Vinyl Chloride	2.35	62	93410	22.259	ug/l	97
5) Bromomethane	2.76	94	55542	20.587	ug/l	98
6) Chloroethane	2.91	64	59639	21.489	ug/l	94
7) Trichlorofluoromethane	3.26	101	118629	21.381	ug/l	94
8) Diethyl Ether	3.70	74	20441	22.953	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	32717	21.302	ug/l	97
10) Methyl Iodide	4.29	142	44622	21.085	ug/l	98
11) Tert butyl alcohol	5.26	59	13979	108.340	ug/l	95
12) 1,1-Dichloroethene	4.06	96	35028	22.828	ug/l	89
13) Acrolein	3.93	56	16446	103.302	ug/l	97
14) Allyl chloride	4.70	41	53967	21.154	ug/l	98
15) Acrylonitrile	5.43	53	46664	118.848	ug/l	94
16) Acetone	4.17	43	46983	101.238	ug/l	96
17) Carbon Disulfide	4.40	76	119390	21.404	ug/l	99
18) Methyl Acetate	4.73	43	19935	21.962	ug/l #	89
19) Methyl tert-butyl Ether	5.48	73	89889	22.623	ug/l	99
20) Methylene Chloride	4.96	84	49959	22.613	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	41194	21.565	ug/l	98
22) Diisopropyl ether	6.37	45	114573	21.990	ug/l	96
23) Vinyl Acetate	6.31	43	349918	112.897	ug/l	100
24) 1,1-Dichloroethane	6.27	63	69614	21.692	ug/l #	92
25) 2-Butanone	7.22	43	60109	109.291	ug/l	92
26) 2,2-Dichloropropane	7.21	77	61576	21.211	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	47869	22.140	ug/l	97
28) Bromochloromethane	7.54	49	22773	19.833	ug/l	98
29) Tetrahydrofuran	7.57	42	35873	111.747	ug/l	98
30) Chloroform	7.71	83	72405	20.772	ug/l	91
31) Cyclohexane	7.98	56	64400	22.039	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	64553	21.590	ug/l	98
36) 1,1-Dichloropropene	8.11	75	56672	20.807	ug/l	98
37) Ethyl Acetate	7.30	43	23634	19.181	ug/l	97
38) Carbon Tetrachloride	8.09	117	59359	21.566	ug/l	94

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100719\
 Data File : VD063896.D
 Acq On : 07 Oct 2019 12:49
 Operator : VA/SY
 Sample : VD1007SBS01
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1007SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 1:46:04 PM

Quant Time: Oct 08 17:33:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	68561	20.472	ug/l	98
40) Benzene	8.35	78	165491	21.202	ug/l	98
41) Methacrylonitrile	7.53	41	17006	26.930	ug/l #	51
42) 1,2-Dichloroethane	8.43	62	47634	21.097	ug/l	98
43) Isopropyl Acetate	8.46	43	49344	21.602	ug/l	99
44) Trichloroethene	9.11	130	47227	20.982	ug/l	90
45) 1,2-Dichloropropane	9.40	63	39481	20.665	ug/l	91
46) Dibromomethane	9.48	93	24208	22.249	ug/l	98
47) Bromodichloromethane	9.66	83	56657	20.225	ug/l	97
48) Methyl methacrylate	9.46	41	22291	20.367	ug/l	95
49) 1,4-Dioxane	9.47	88	6566	442.098	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	129033	108.920	ug/l	98
52) Toluene	10.40	92	115163	21.492	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	56668	20.730	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	65606	20.849	ug/l	90
55) 1,1,2-Trichloroethane	10.80	97	34559	22.495	ug/l	96
56) Ethyl methacrylate	10.66	69	42816	22.008	ug/l	98
57) 1,3-Dichloropropane	10.95	76	58338	22.194	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	84857	101.474	ug/l	99
59) 2-Hexanone	10.98	43	92864	108.366	ug/l	100
60) Dibromochloromethane	11.14	129	40869	20.434	ug/l	97
61) 1,2-Dibromoethane	11.24	107	33748	22.659	ug/l	95
64) Tetrachloroethene	10.88	164	43873	22.038	ug/l	86
65) Chlorobenzene	11.67	112	123740	21.129	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	44771	20.747	ug/l	97
67) Ethyl Benzene	11.74	91	225253	21.330	ug/l	99
68) m/p-Xylenes	11.86	106	176430	43.285	ug/l	99
69) o-Xylene	12.18	106	80590	20.648	ug/l	96
70) Styrene	12.20	104	141829	21.466	ug/l	99
71) Bromoform	12.36	173	26117	22.551	ug/l #	97
73) Isopropylbenzene	12.48	105	220042	21.165	ug/l	100
74) N-amyl acetate	12.29	43	46981	20.989	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	37953	20.979	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	29820m	28.789	ug/l	
77) Bromobenzene	12.76	156	58700	22.662	ug/l	97
78) n-propylbenzene	12.82	91	266234	21.817	ug/l	98
79) 2-Chlorotoluene	12.91	91	146390	21.756	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	187450	21.612	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	13602	23.238	ug/l	97
82) 4-Chlorotoluene	13.00	91	153479	21.502	ug/l	100
83) tert-Butylbenzene	13.22	119	164130	21.262	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	189034	21.141	ug/l	100
85) sec-Butylbenzene	13.40	105	224911	21.575	ug/l	99
86) p-Isopropyltoluene	13.51	119	209458	21.234	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	108862	21.271	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	107638	21.318	ug/l	98
89) n-Butylbenzene	13.84	91	197200	21.477	ug/l	97
90) Hexachloroethane	14.11	117	37870	21.345	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	94756	21.484	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	6521	21.814	ug/l	87

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100719\
Data File : VD063896.D
Acq On : 07 Oct 2019 12:49
Operator : VA/SY
Sample : VD1007SBSD01
Misc : 5.00g/5.00mL/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBSD01

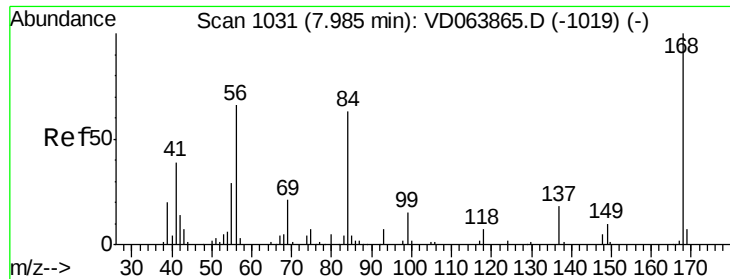
Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:46:04 PM

Quant Time: Oct 08 17:33:02 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	72373	21.266	ug/l	96
94) Hexachlorobutadiene	15.27	225	38410	20.452	ug/l	94
95) Naphthalene	15.40	128	122147	21.354	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	62051	21.133	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion:168 Resp: 183089

Ion Ratio Lower Upper

168 100

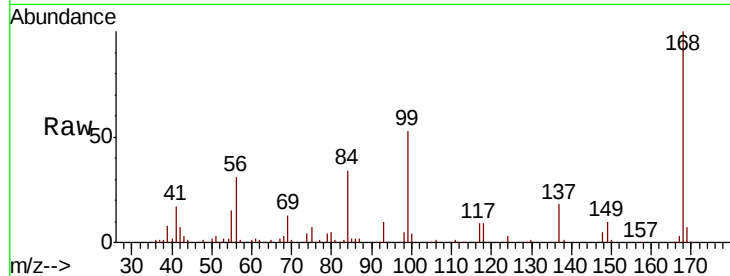
99 52.9 43.0 64.4

Manual Integrations

APPROVED

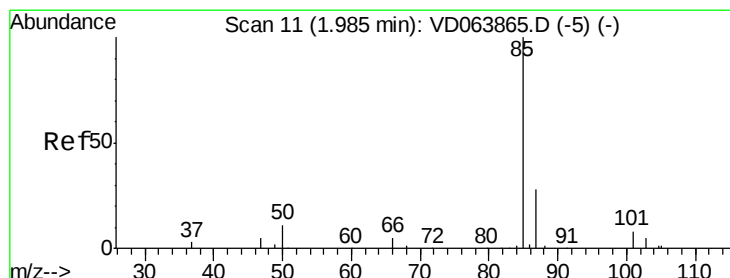
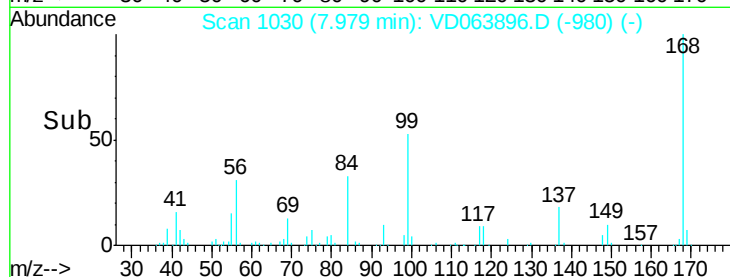
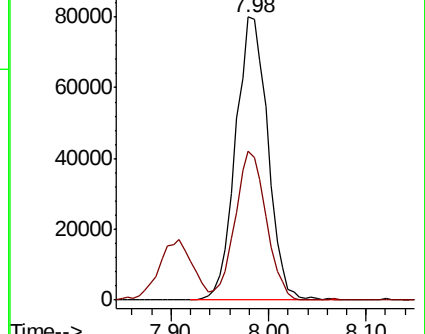
MMDadoda

10/10/2019 1:46:04 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.169 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063896.D

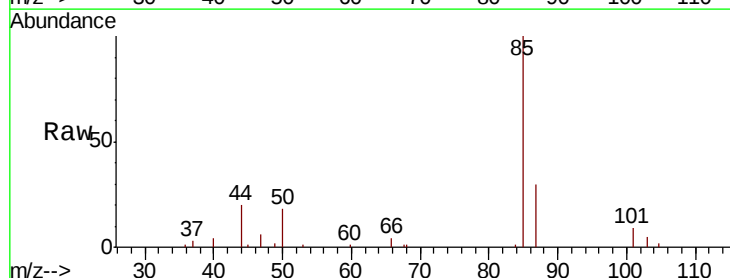
Acq: 07 Oct 2019 12:49

Tgt Ion: 85 Resp: 27486

Ion Ratio Lower Upper

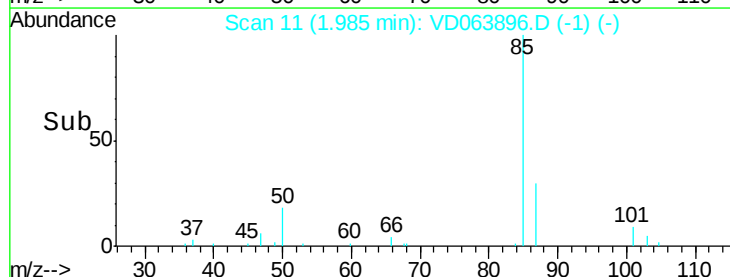
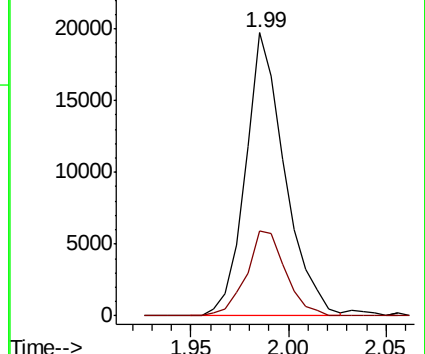
85 100

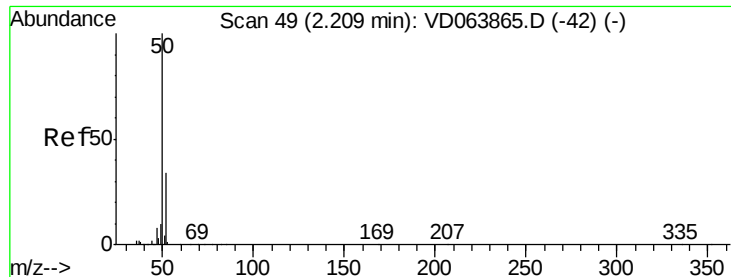
87 30.1 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.406 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 50 Resp: 83864

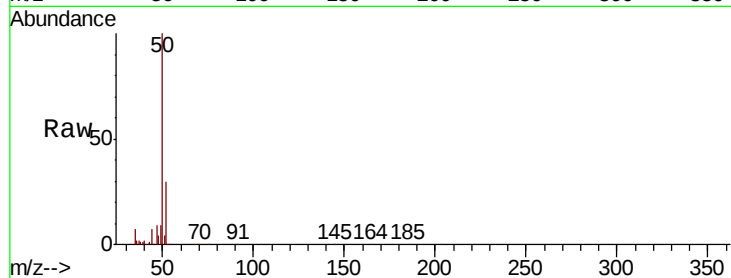
Ion Ratio Lower Upper

50 100

52 30.1 27.5 41.3

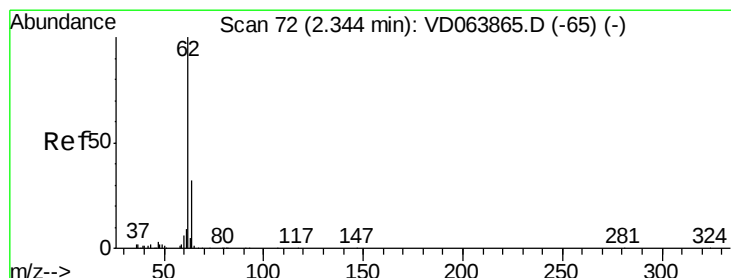
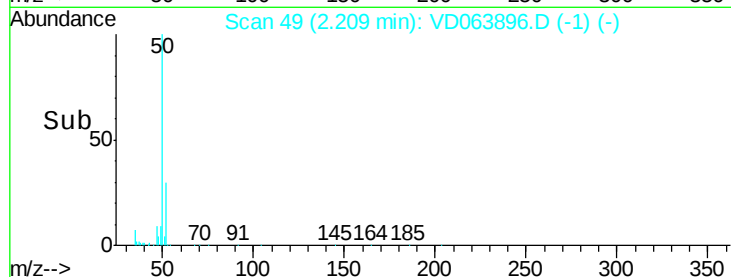
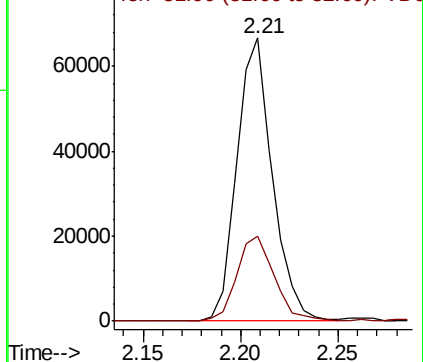
Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:46:04 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.259 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063896.D

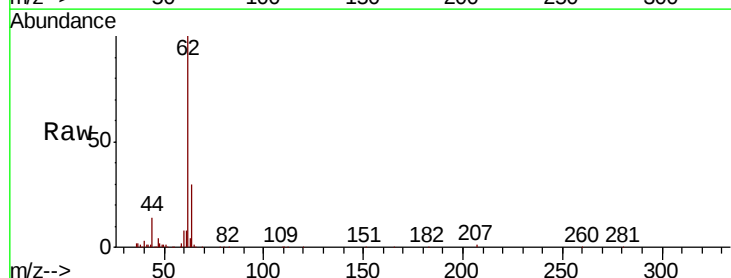
Acq: 07 Oct 2019 12:49

Tgt Ion: 62 Resp: 93410

Ion Ratio Lower Upper

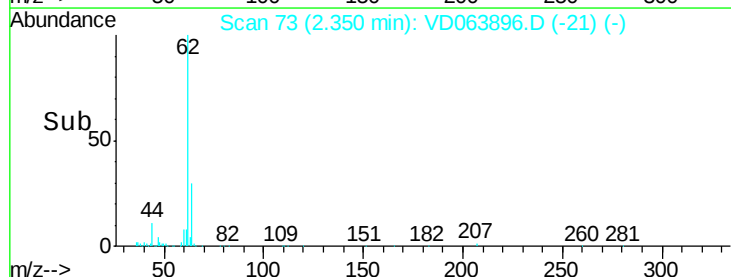
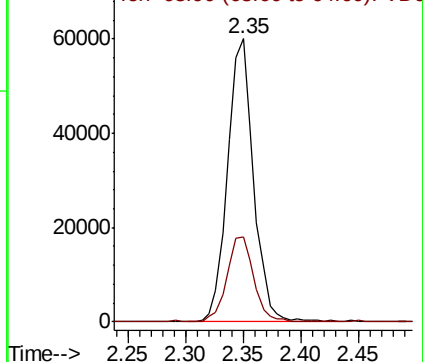
62 100

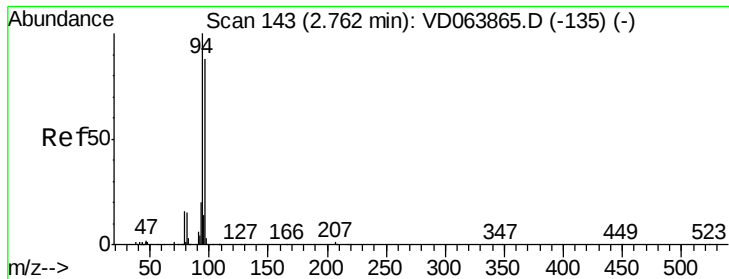
64 30.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.587 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 94 Resp: 55542

Ion Ratio Lower Upper

94 100

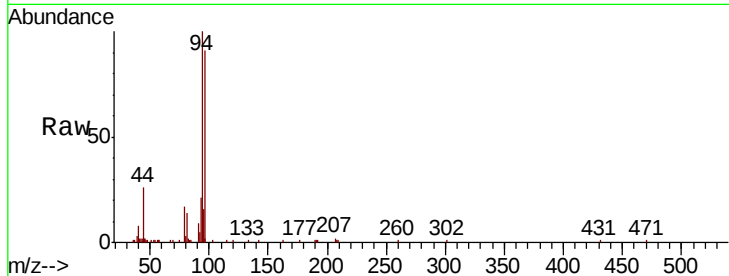
96 90.5 70.8 106.2

Manual Integrations

APPROVED

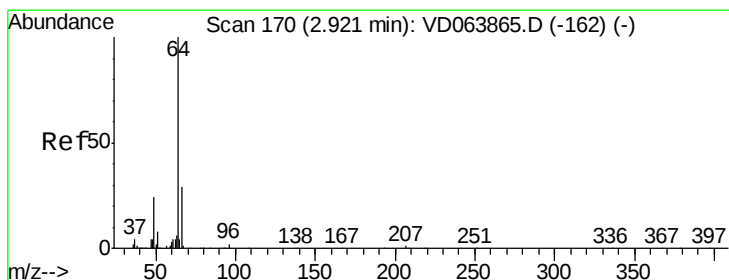
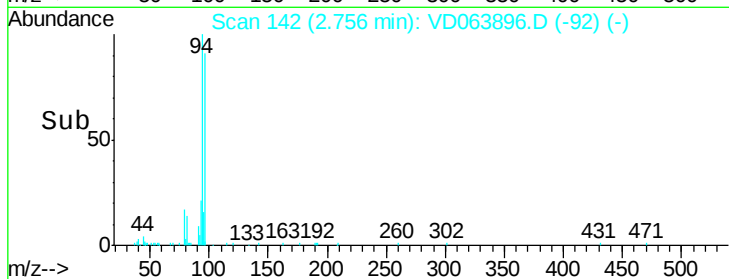
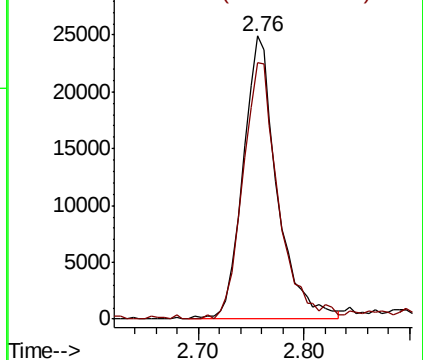
MMDadoda

10/10/2019 1:46:04 PM



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.489 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD063896.D

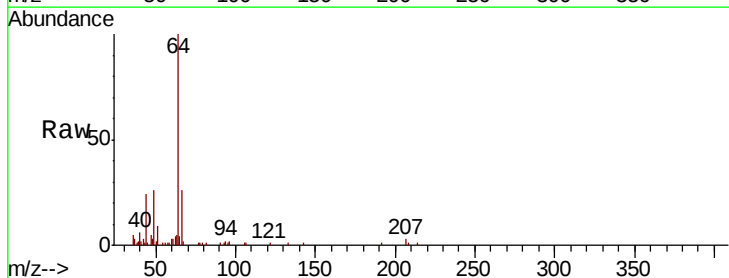
Acq: 07 Oct 2019 12:49

Tgt Ion: 64 Resp: 59639

Ion Ratio Lower Upper

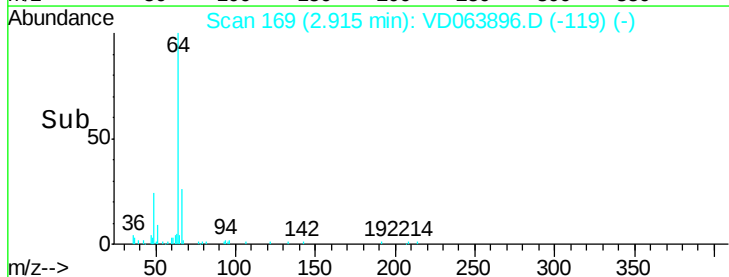
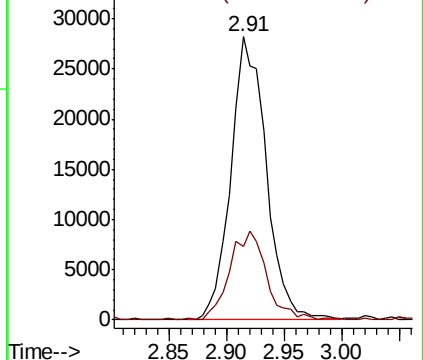
64 100

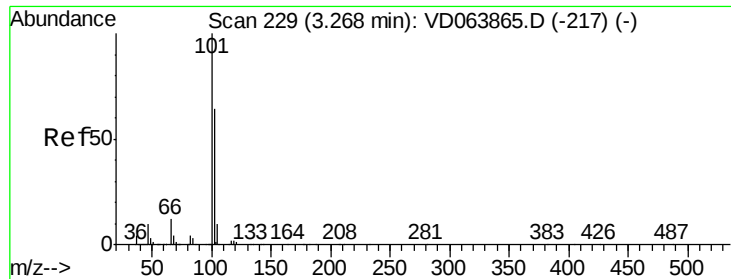
66 25.5 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

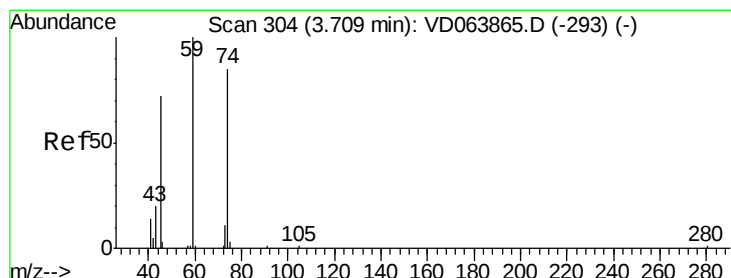
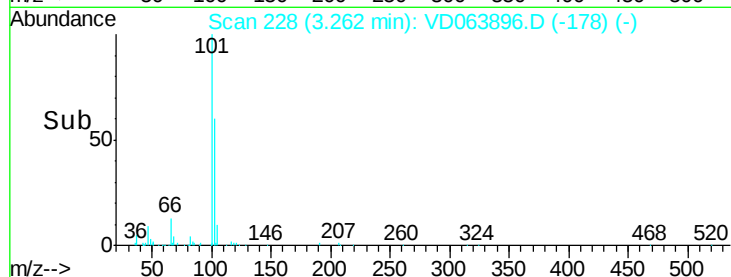
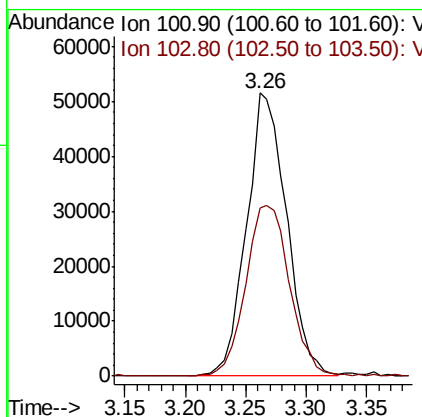
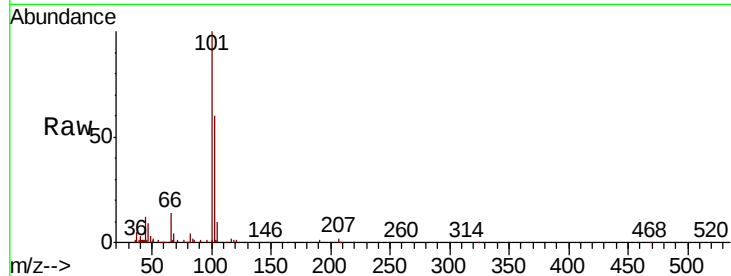
Trichlorofluoromethane
Concen: 21.381 ug/l
RT: 3.26 min Scan# 228
Delta R.T. -0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.5	51.1	76.7

Manual Integrations
APPROVED

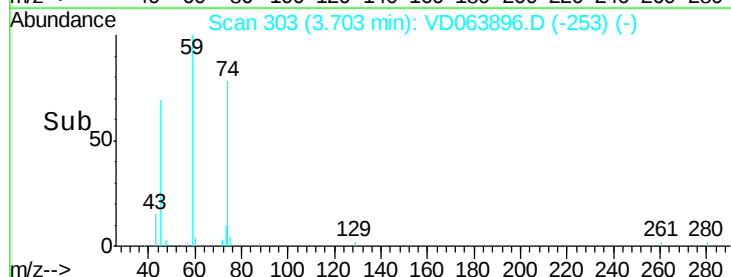
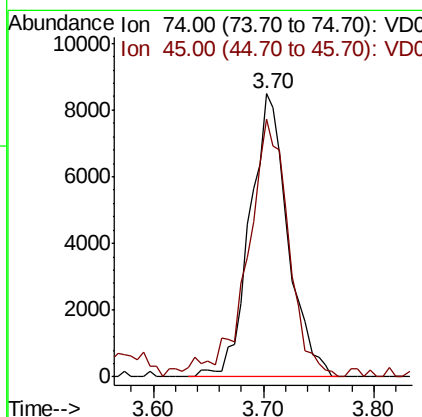
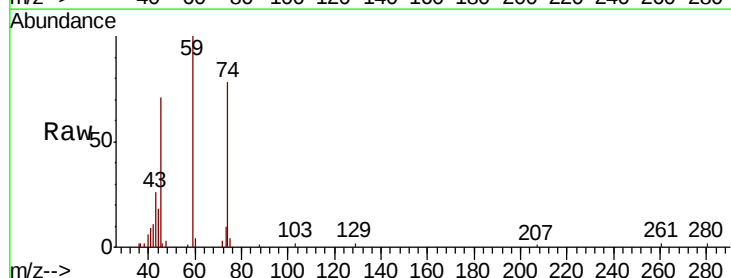
MMDadoda
10/10/2019 1:46:04 PM

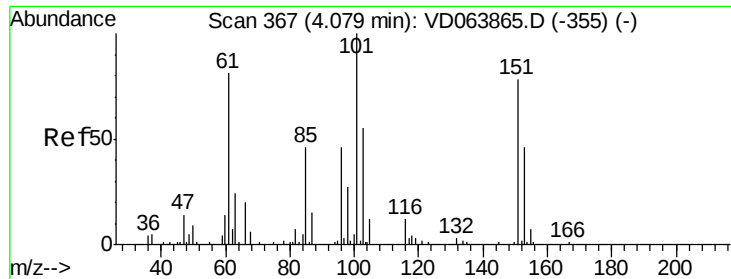


#8

Diethyl Ether
Concen: 22.953 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.1	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.302 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.02 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

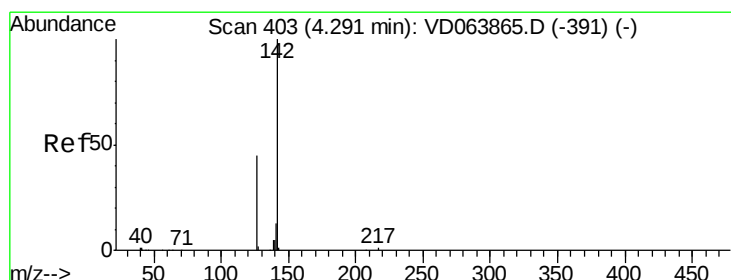
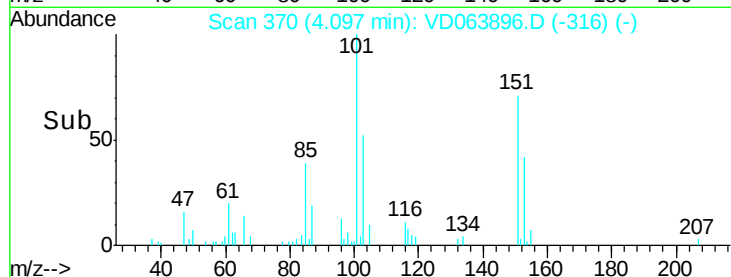
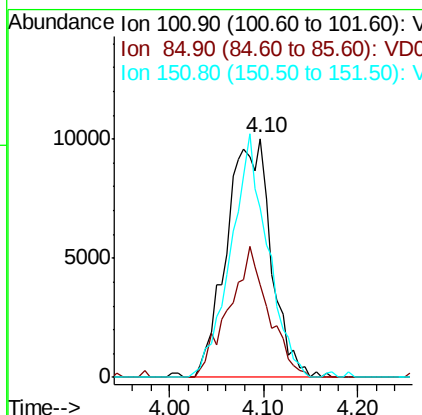
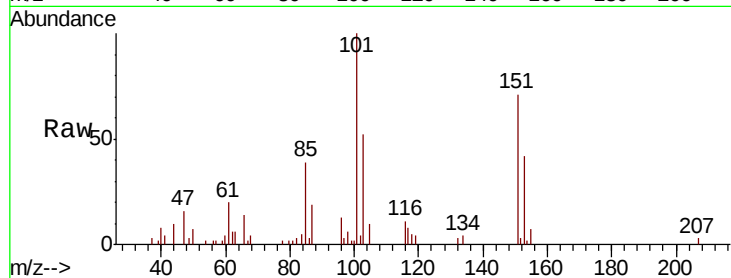
ClientSampleId :

VD1007SBSD01

Tot Ion:	101	Resp:	32717
Ion Ratio	Lower	Upper	
101	100		
85	48.8	37.5	56.3
151	84.8	65.5	98.3

Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:46:04 PM



#10

Methyl Iodide

Concen: 21.085 ug/l

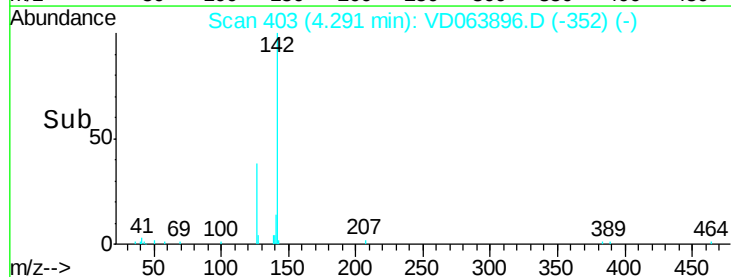
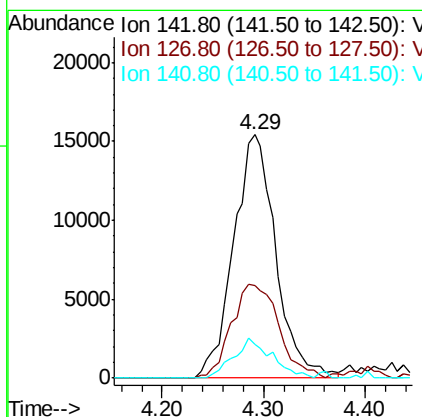
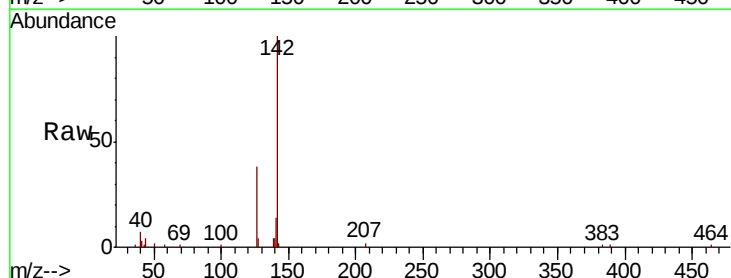
RT: 4.29 min Scan# 403

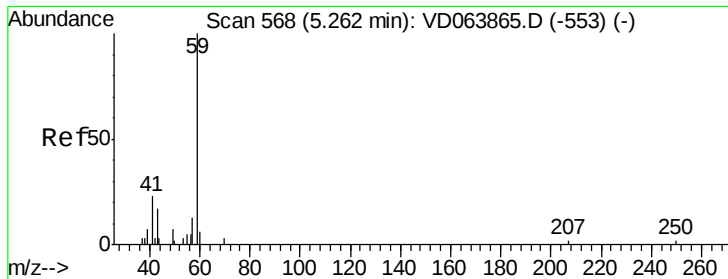
Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Tgt Ion:	142	Resp:	44622
Ion Ratio	Lower	Upper	
142	100		
127	43.0	35.3	52.9
141	14.8	12.2	18.2





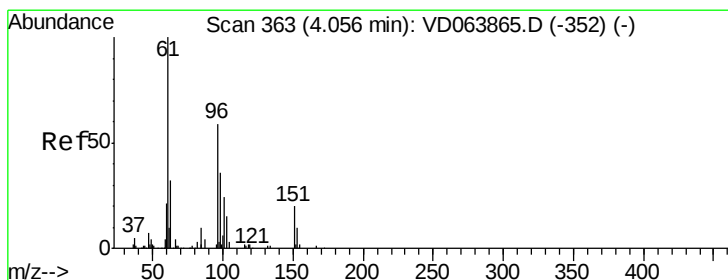
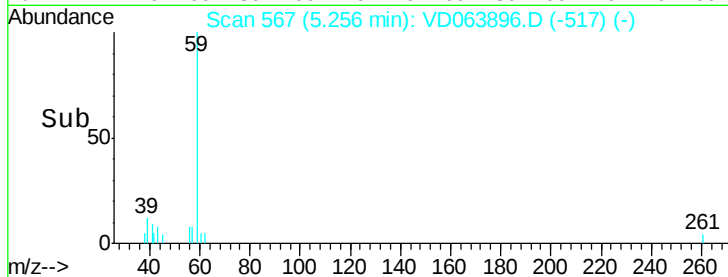
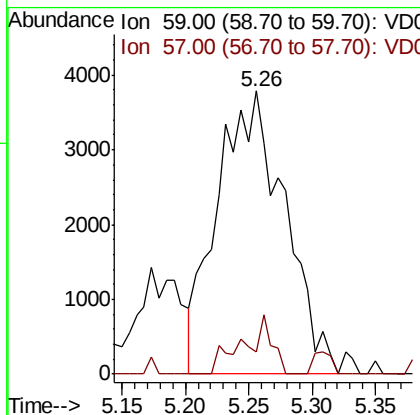
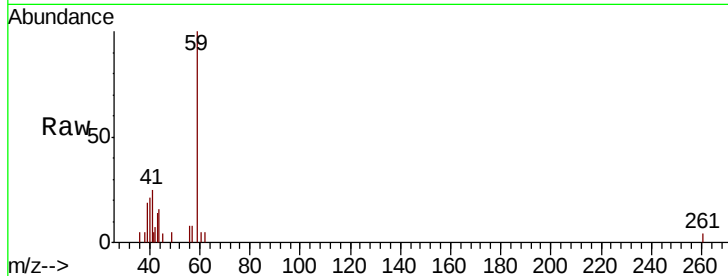
#11
Tert butyl alcohol
Concen: 108.340 ug/l
RT: 5.26 min Scan# 567
Delta R.T. -0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	8.8	13.2

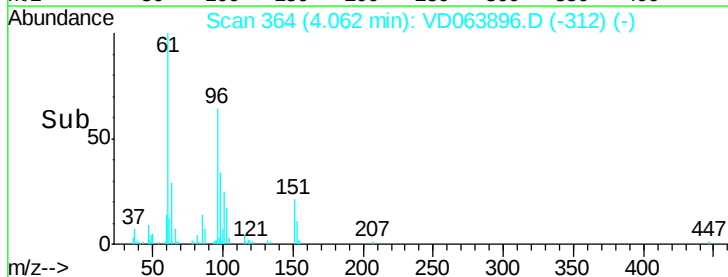
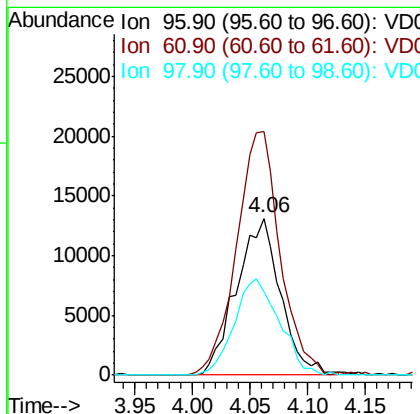
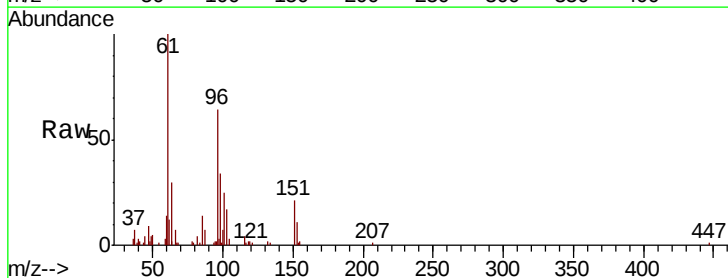
Manual Integrations
APPROVED

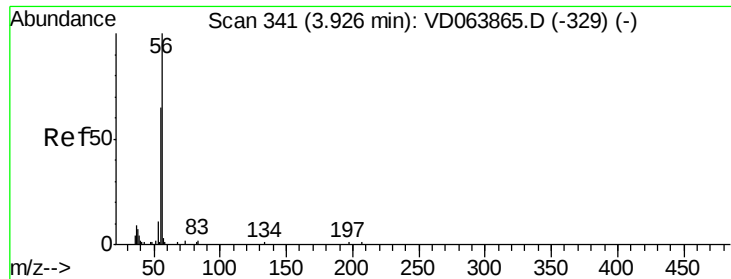
MMDadoda
10/10/2019 1:46:04 PM



#12
1,1-Dichloroethene
Concen: 22.828 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	155.1	135.6	203.4
98	53.2	49.2	73.8





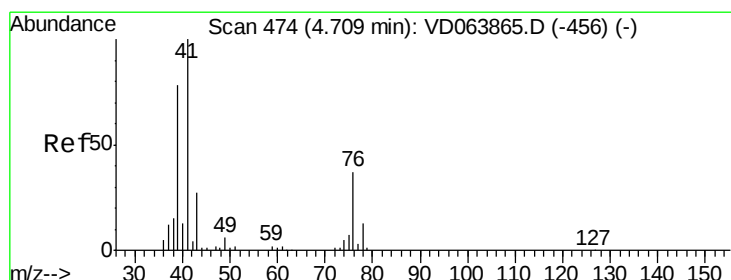
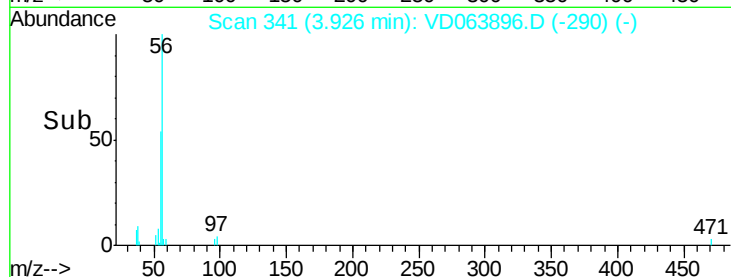
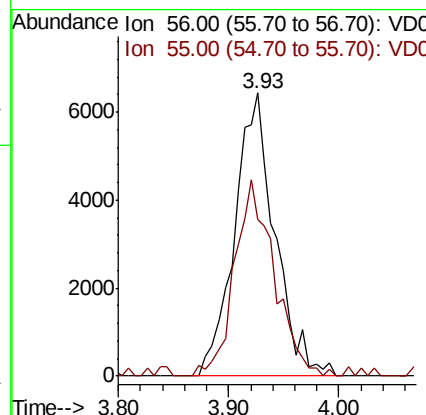
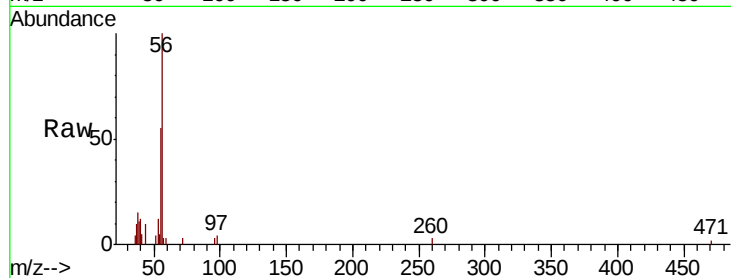
#13
Acrolein
Concen: 103.302 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBSD01

Tot Ion	56	Resp	16446
Ion Ratio	100	Lower	Upper
56	100		
55	68.5	53.0	79.6

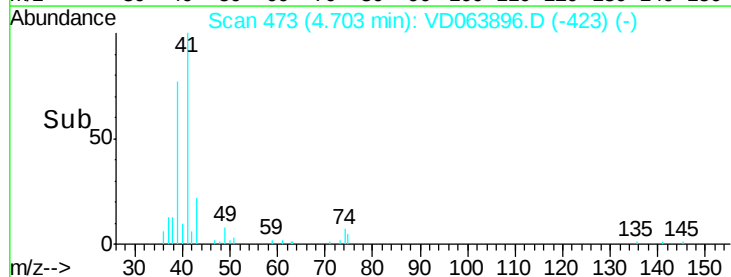
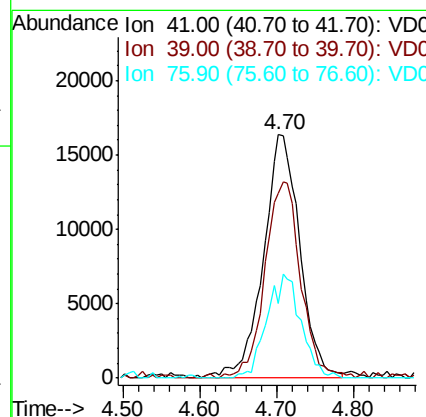
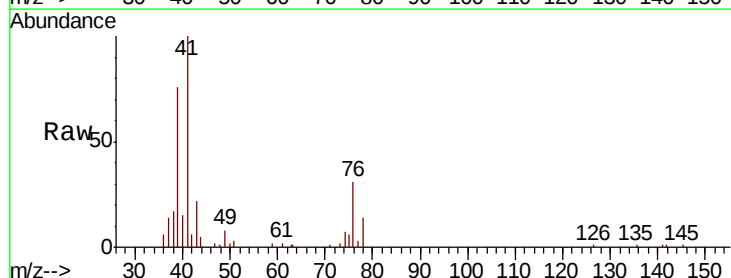
Manual Integrations
APPROVED

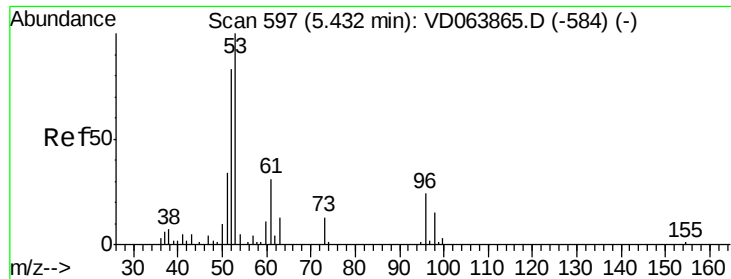
MMDadoda
10/10/2019 1:46:04 PM



#14
Allyl chloride
Concen: 21.154 ug/l
RT: 4.70 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion	41	Resp	53967
Ion Ratio	100	Lower	Upper
41	100		
39	79.2	61.8	92.6
76	39.8	31.3	46.9





#15

Acrylonitrile

Concen: 118.848 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

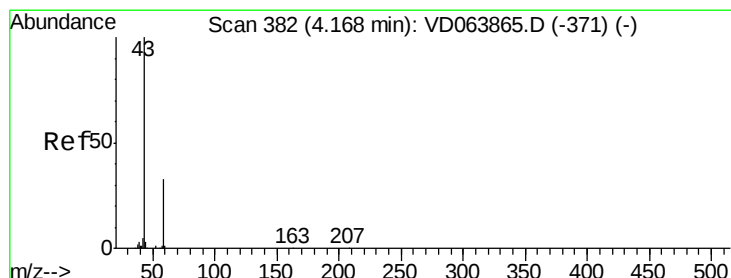
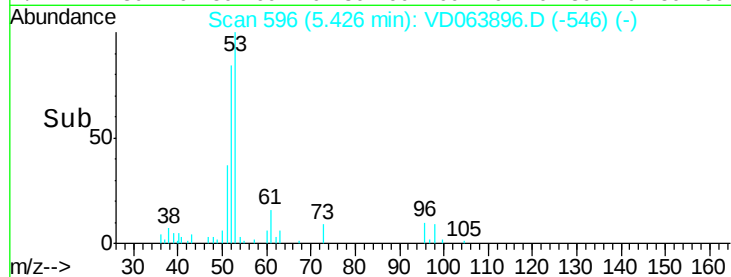
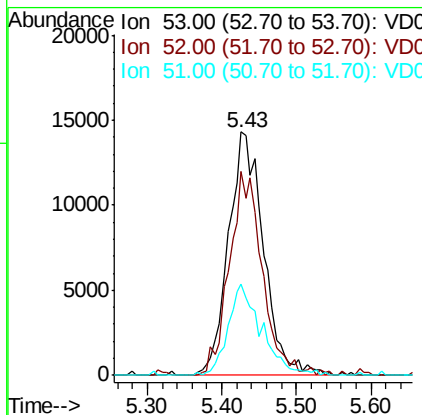
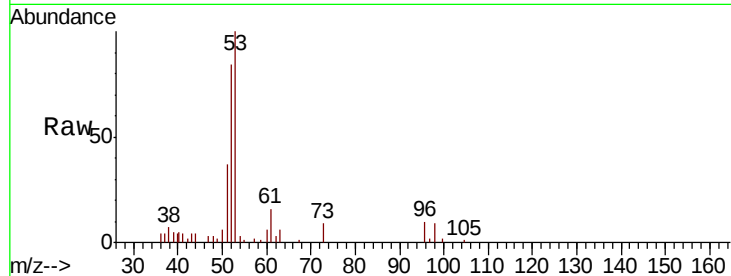
ClientSampleId :

VD1007SBS01

Tot Ion:	53	Resp:	46664
Ion	Ratio	Lower	Upper
53	100		
52	77.7	67.3	100.9
51	36.1	30.5	45.7

Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:46:04 PM



#16

Acetone

Concen: 101.238 ug/l

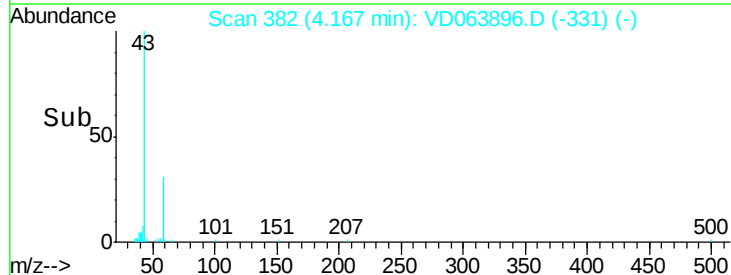
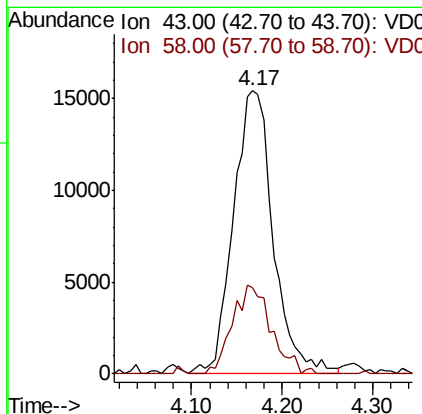
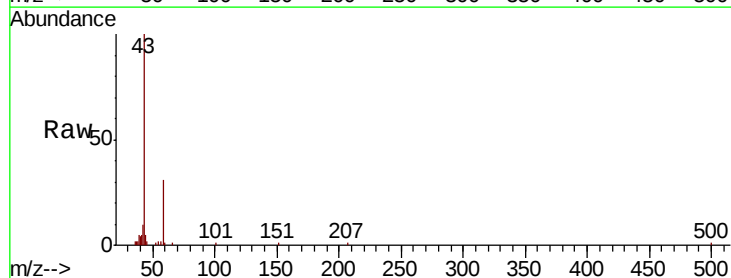
RT: 4.17 min Scan# 382

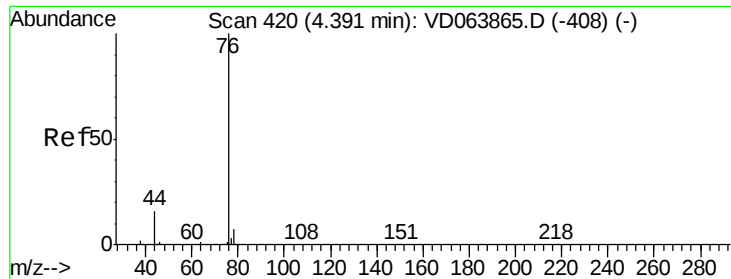
Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Tgt Ion:	43	Resp:	46983
Ion	Ratio	Lower	Upper
43	100		
58	30.7	26.2	39.4





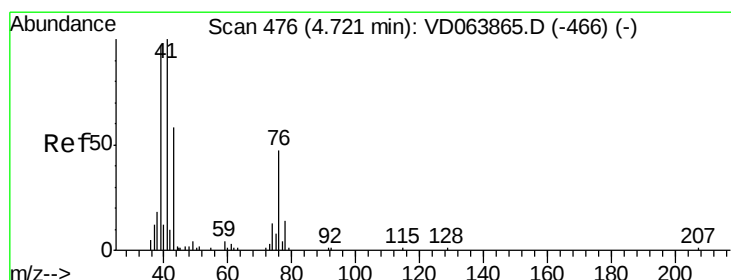
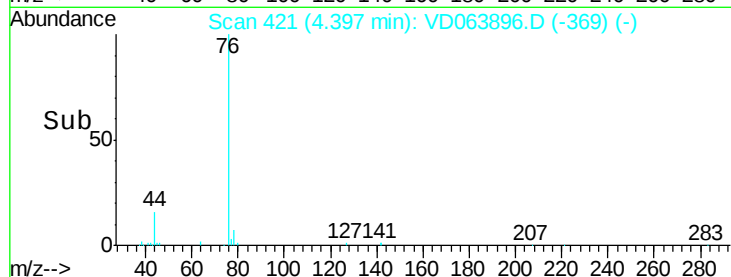
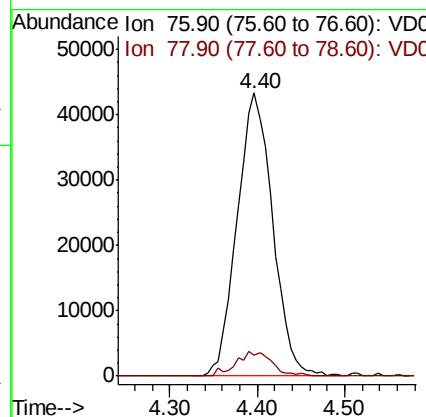
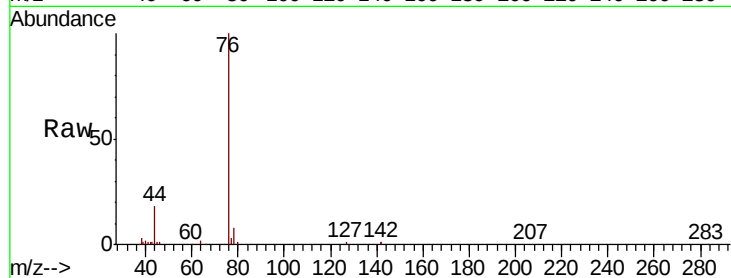
#17
Carbon Disulfide
Concen: 21.404 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.6	5.8	8.8

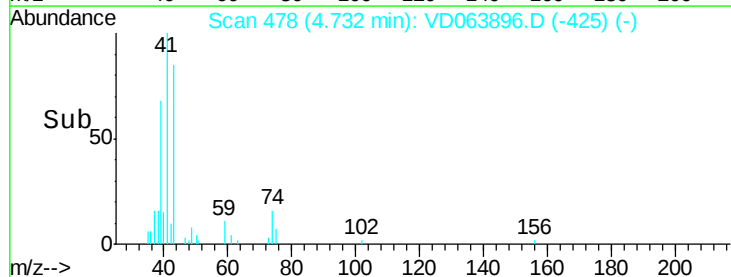
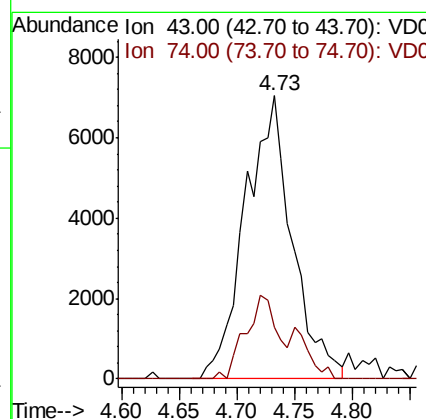
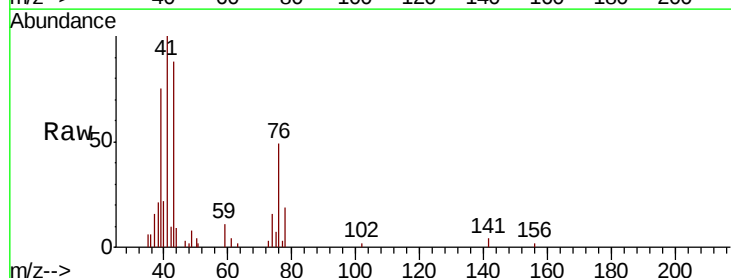
Manual Integrations
APPROVED

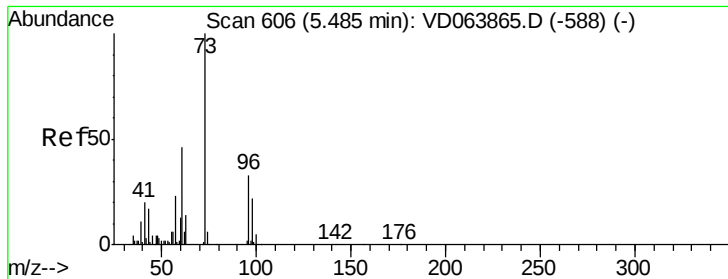
MMDadoda
10/10/2019 1:46:04 PM



#18
Methyl Acetate
Concen: 21.962 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	20.8	31.2#





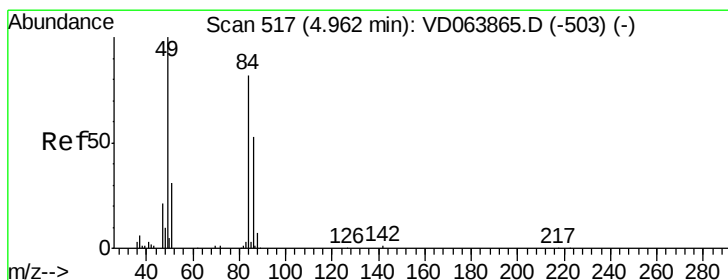
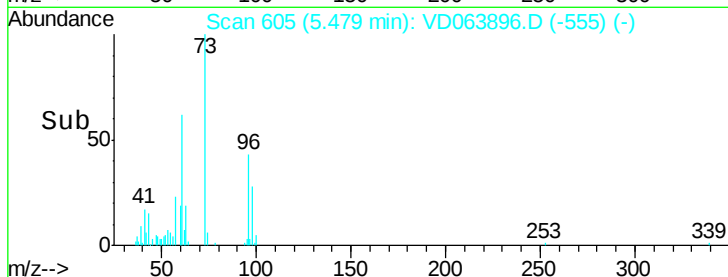
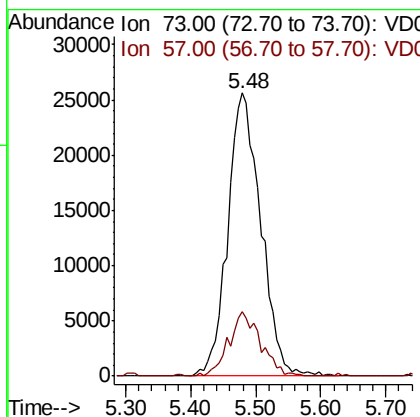
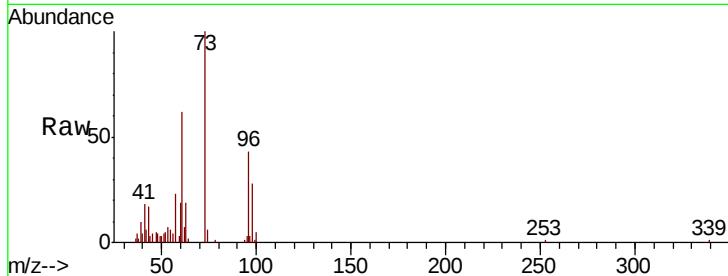
#19
Methyl tert-butyl Ether
Concen: 22.623 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion: 73 Resp: 89889
Ion Ratio Lower Upper
73 100
57 23.0 18.1 27.1

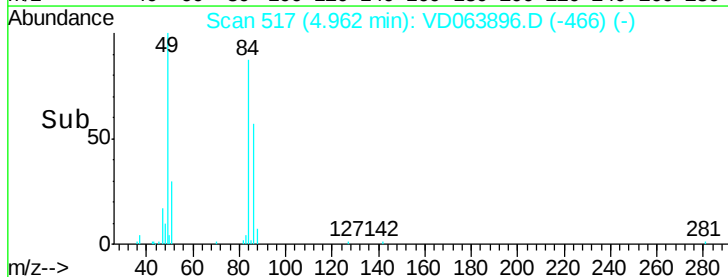
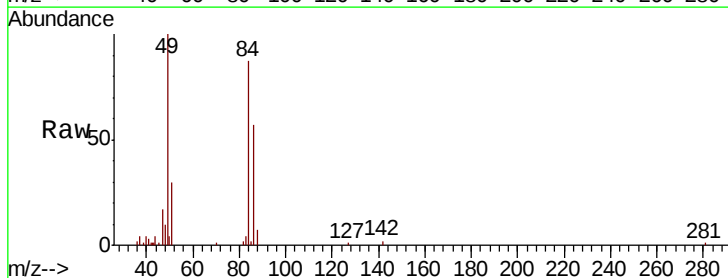
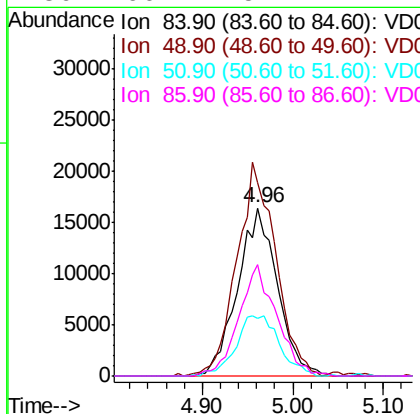
Manual Integrations
APPROVED

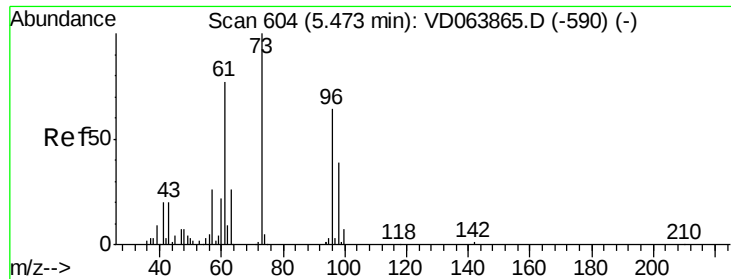
MMDadoda
10/10/2019 1:46:04 PM



#20
Methylene Chloride
Concen: 22.613 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion: 84 Resp: 49959
Ion Ratio Lower Upper
84 100
49 114.3 97.3 145.9
51 34.3 30.1 45.1
86 66.1 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 21.565 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

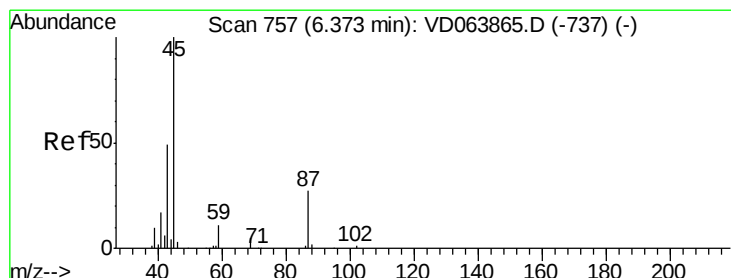
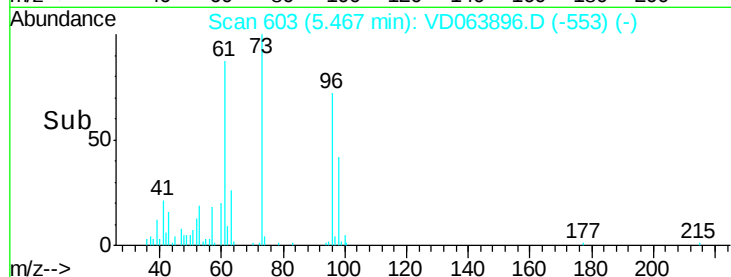
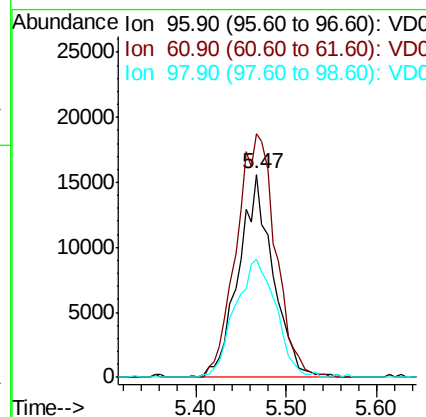
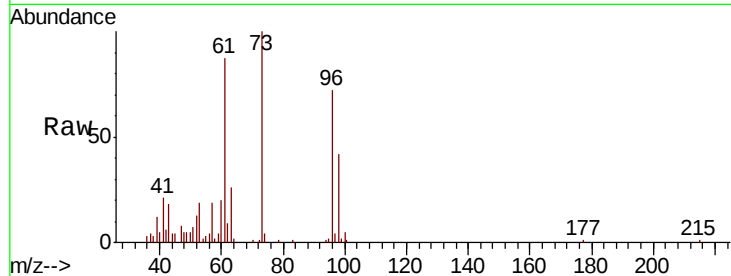
ClientSampleId :

VD1007SBS01

Tot Ion:	96	Resp:	41194
Ion	Ratio	Lower	Upper
96	100		
61	119.9	96.6	145.0
98	58.5	48.7	73.1

Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:46:04 PM



#22

Diisopropyl ether

Concen: 21.990 ug/l

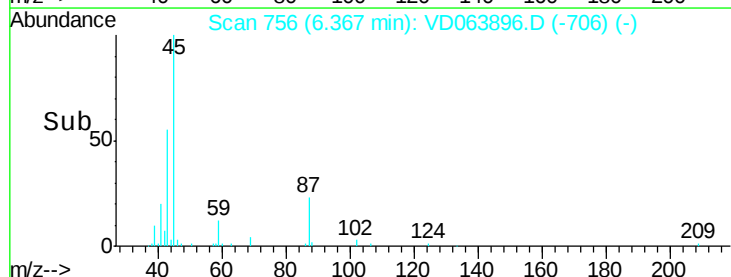
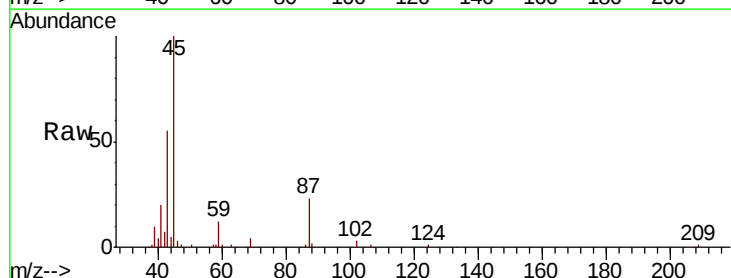
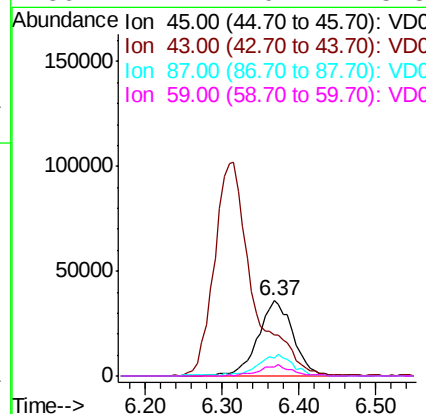
RT: 6.37 min Scan# 756

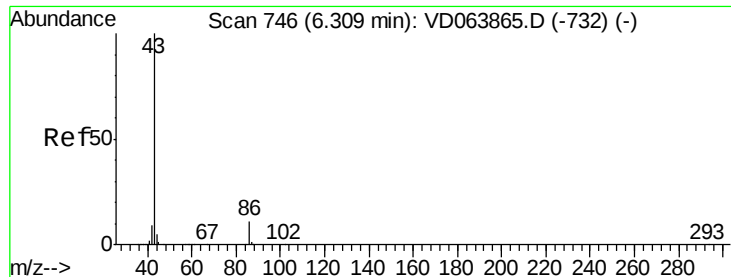
Delta R.T. -0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Tgt Ion:	45	Resp:	114573
Ion	Ratio	Lower	Upper
45	100		
43	53.5	41.2	61.8
87	23.4	22.2	33.4
59	12.4	9.2	13.8





#23

Vinyl Acetate

Concen: 112.897 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 43 Resp: 349918

Ion Ratio Lower Upper

43 100

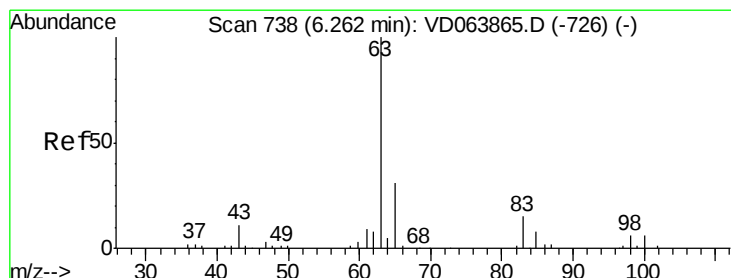
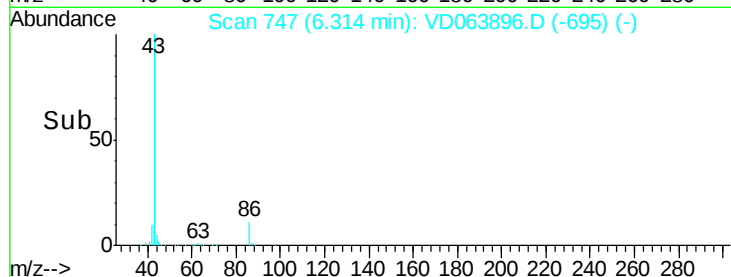
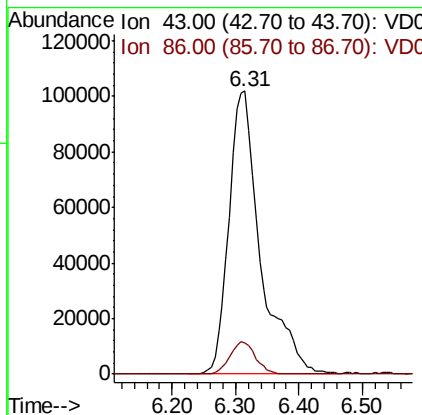
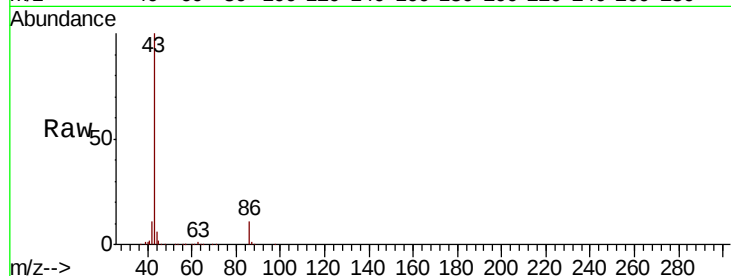
86 10.8 8.8 13.2

Manual Integrations

APPROVED

MMDadoda

10/10/2019 1:46:04 PM



#24

1,1-Dichloroethane

Concen: 21.692 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

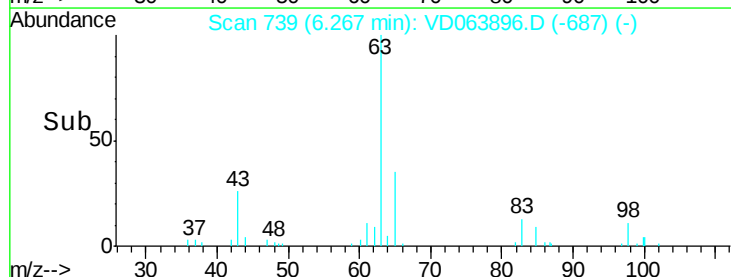
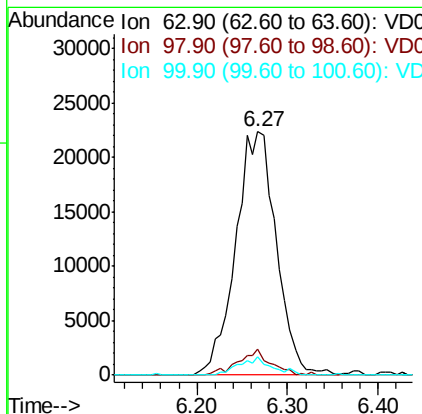
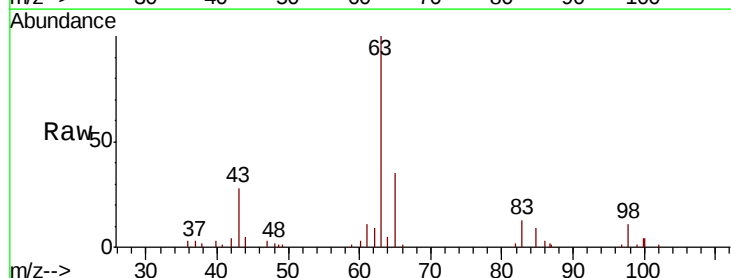
Tgt Ion: 63 Resp: 69614

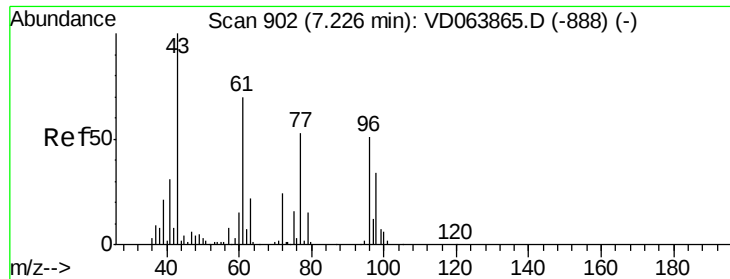
Ion Ratio Lower Upper

63 100

98 10.8 3.1 9.4#

100 7.3 3.0 9.2





#25

2-Butanone

Concen: 109.291 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 43 Resp: 60109

Ion Ratio Lower Upper

43 100

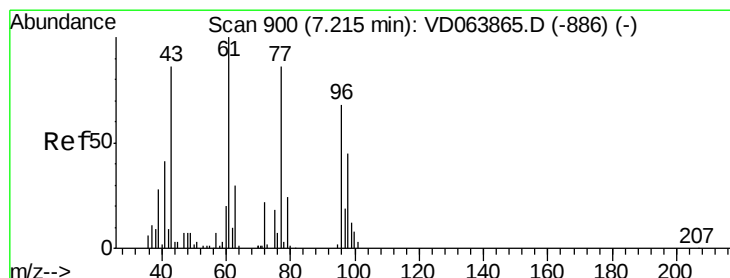
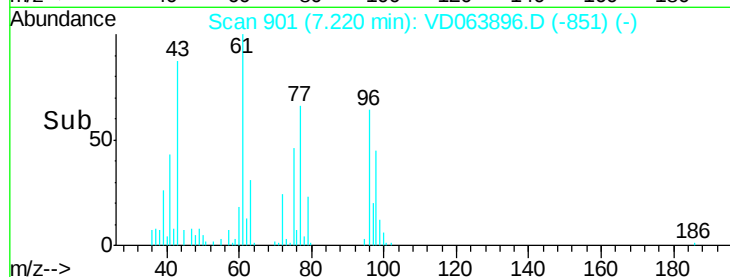
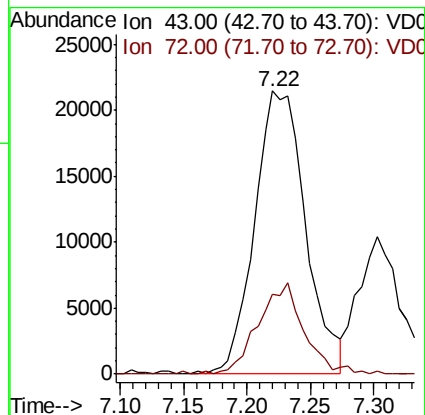
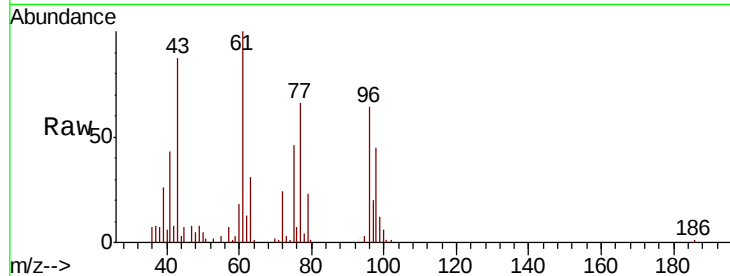
72 28.1 19.2 28.8

Manual Integrations

APPROVED

MMDadoda

10/10/2019 1:46:04 PM



#26

2,2-Dichloropropane

Concen: 21.211 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063896.D

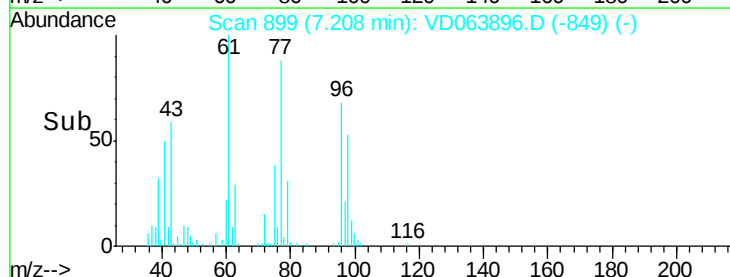
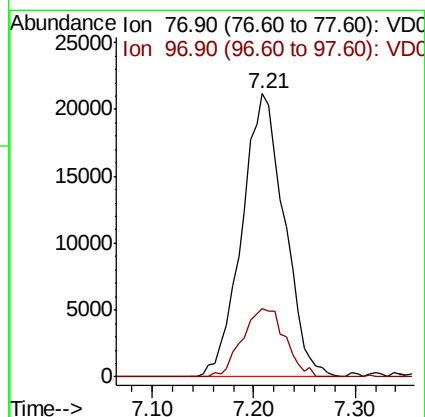
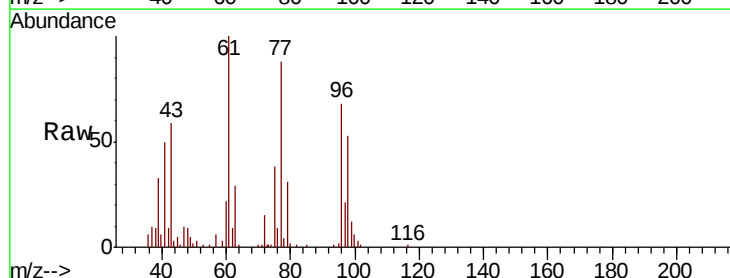
Acq: 07 Oct 2019 12:49

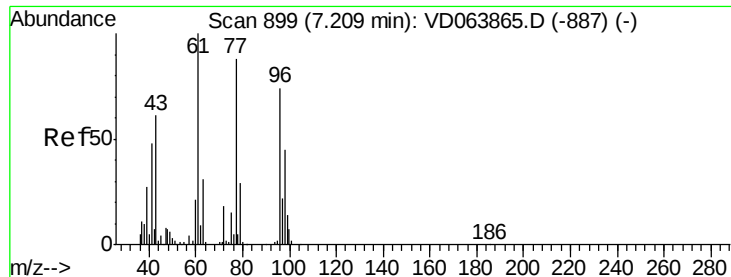
Tgt Ion: 77 Resp: 61576

Ion Ratio Lower Upper

77 100

97 24.3 11.4 34.1





#27

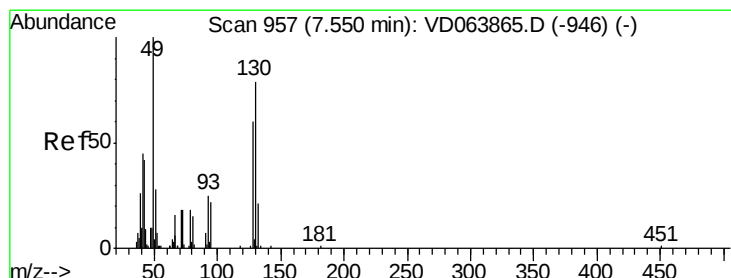
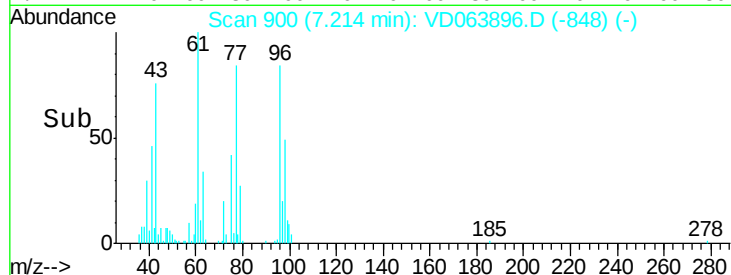
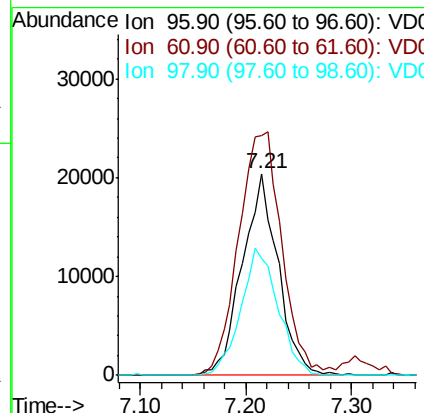
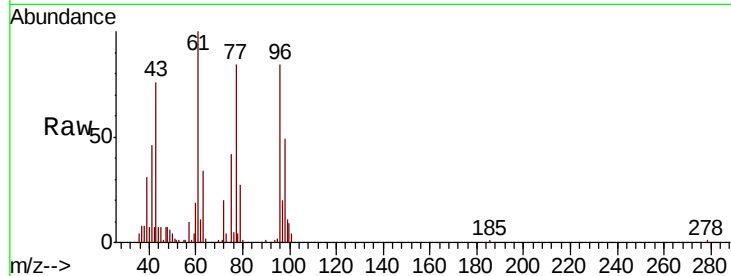
cis-1,2-Dichloroethene
 Concen: 22.140 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	145.8	0.0	280.0		
98	65.7	0.0	130.4		

Manual Integrations
 APPROVED

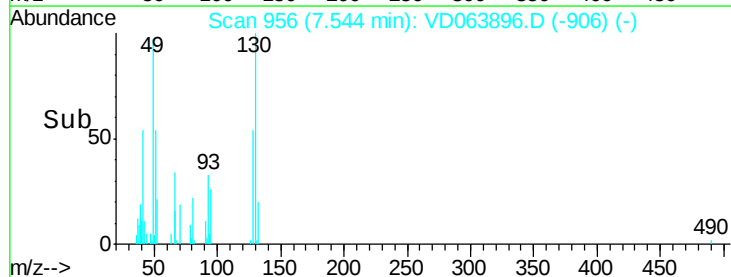
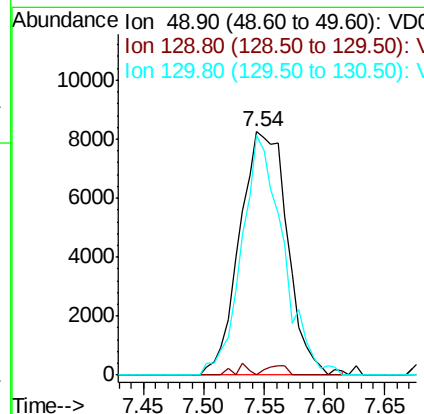
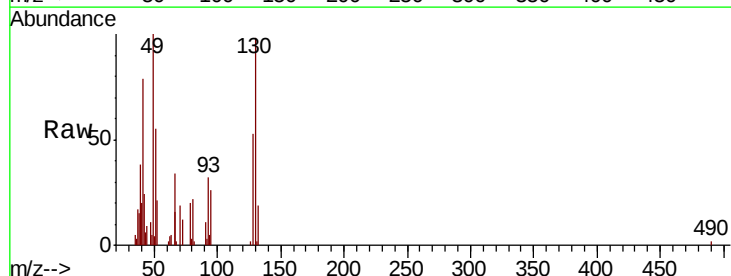
MMDadoda
 10/10/2019 1:46:04 PM

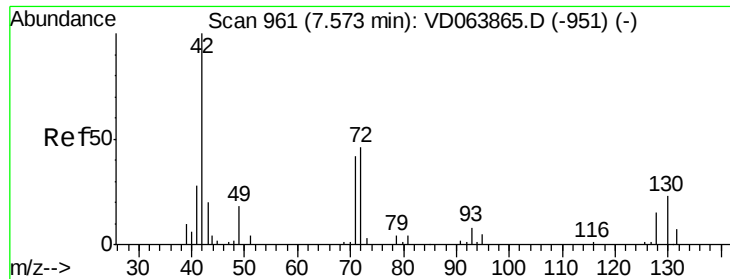


#28

Bromochloromethane
 Concen: 19.833 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	1.3	0.0	5.6		
130	85.3	66.8	100.2		





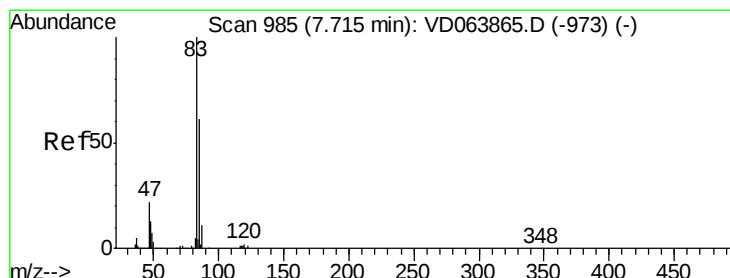
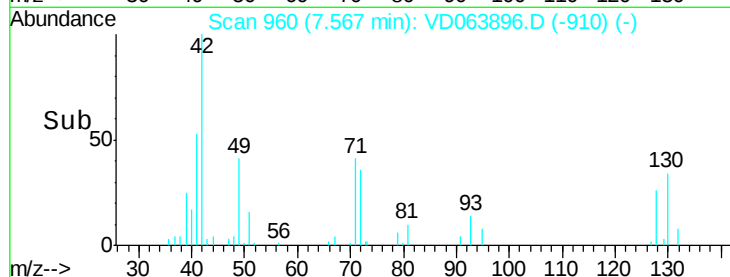
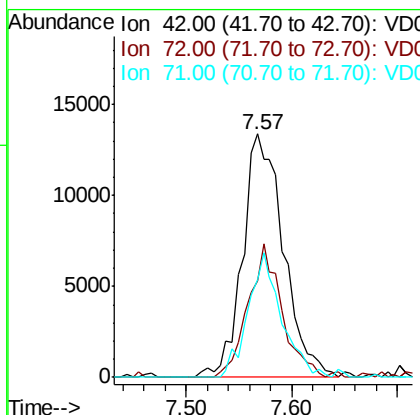
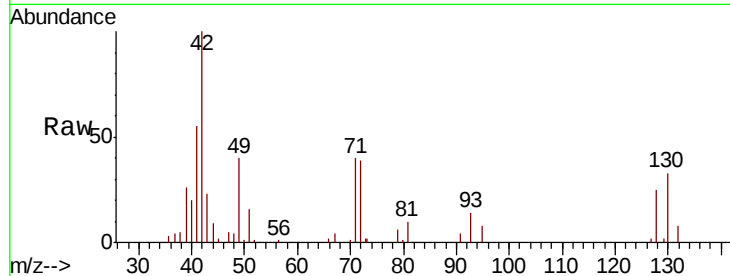
#29
Tetrahydrofuran
Concen: 111.747 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.6	37.6	56.4
71	42.1	35.0	52.6

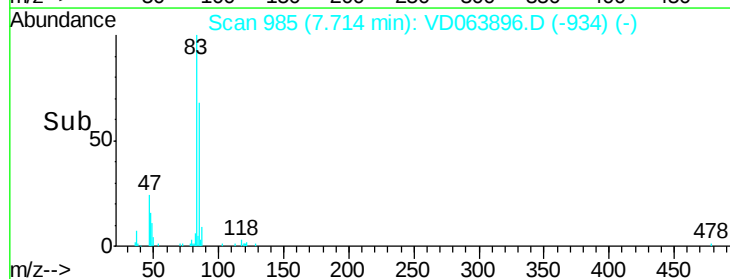
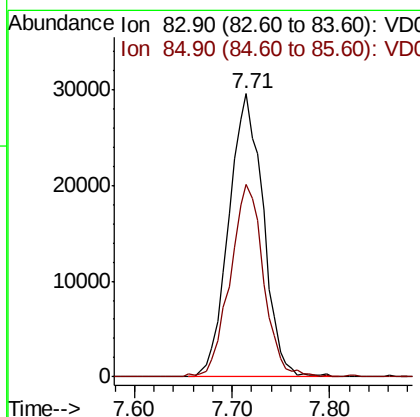
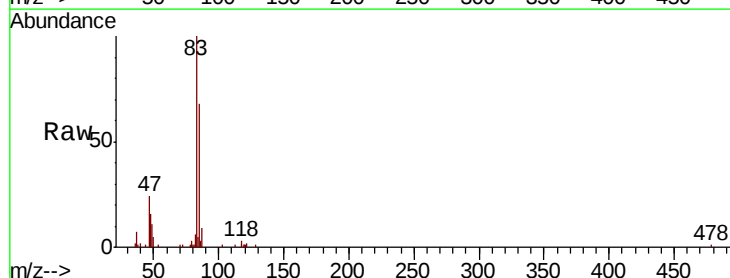
Manual Integrations
APPROVED

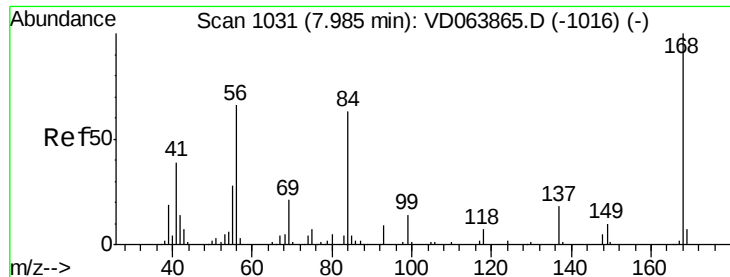
MMDadoda
10/10/2019 1:46:04 PM



#30
Chloroform
Concen: 20.772 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.9	48.9	73.3





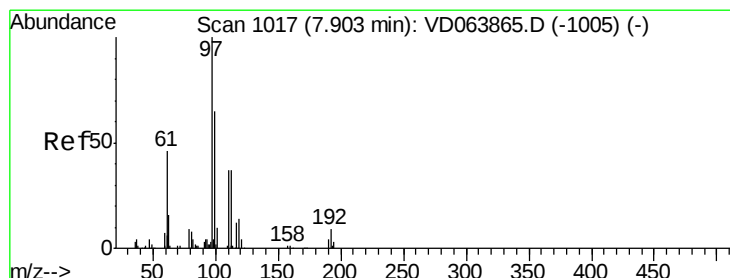
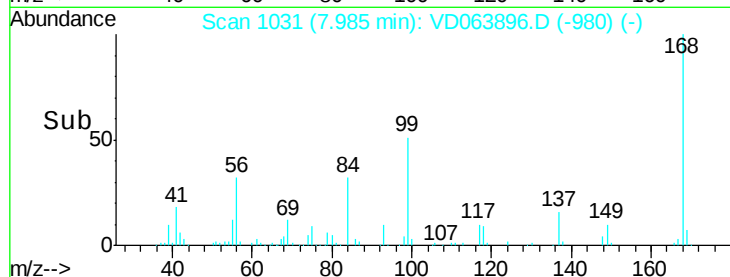
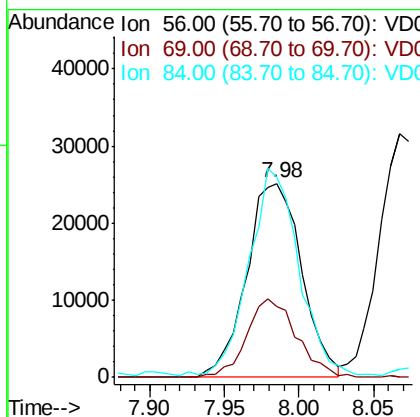
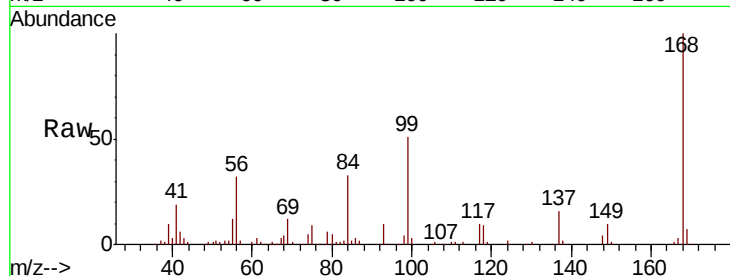
#31
Cyclohexane
Concen: 22.039 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.5	25.0	37.4
84	100.6	76.3	114.5

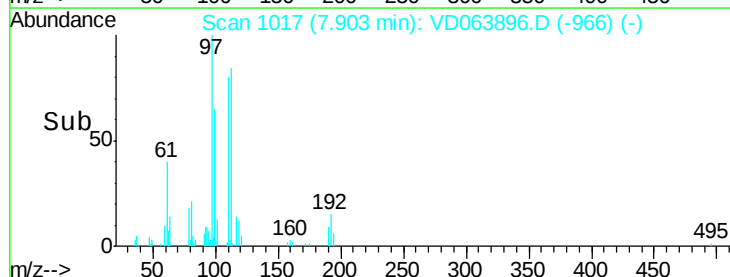
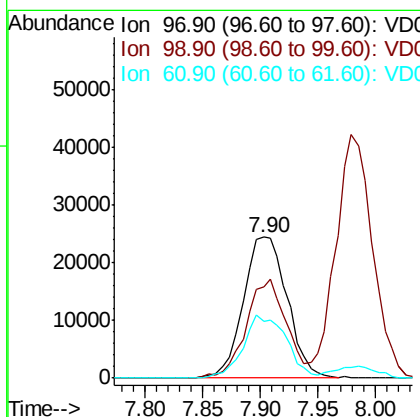
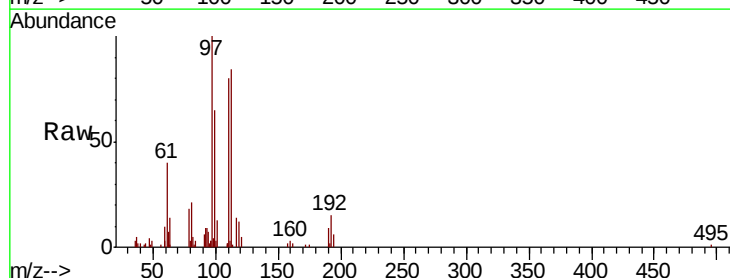
Manual Integrations
APPROVED

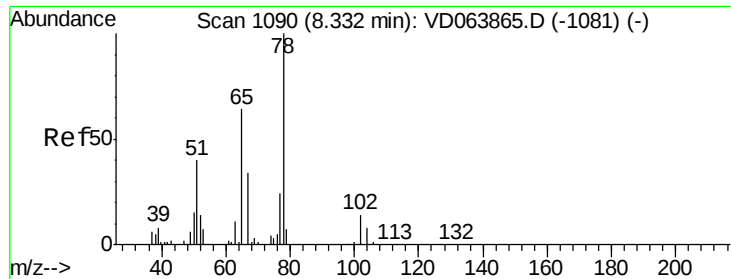
MMDadoda
10/10/2019 1:46:04 PM



#32
1,1,1-Trichloroethane
Concen: 21.590 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	52.4	78.6
61	43.9	33.8	50.8





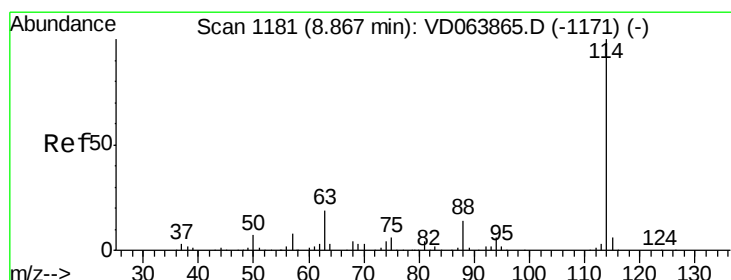
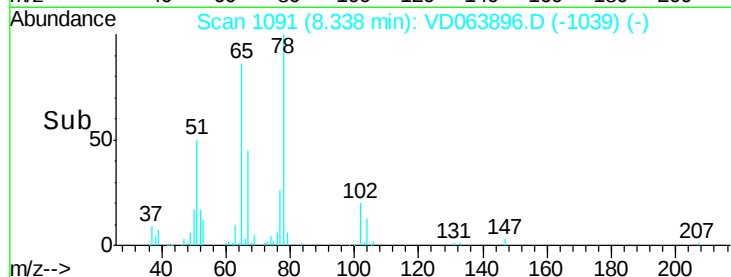
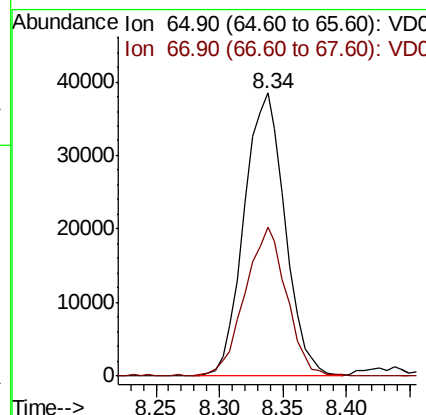
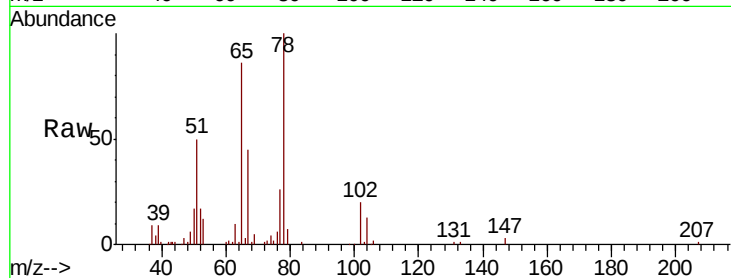
#33
 1,2-Dichloroethane-d4
 Concen: 48.269 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion: 65 Resp: 86040
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 106.4

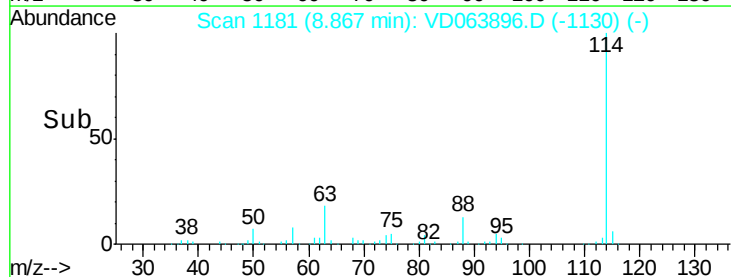
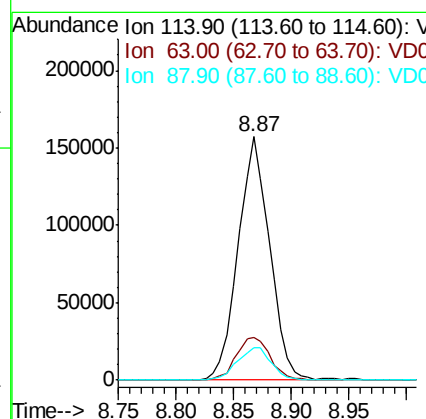
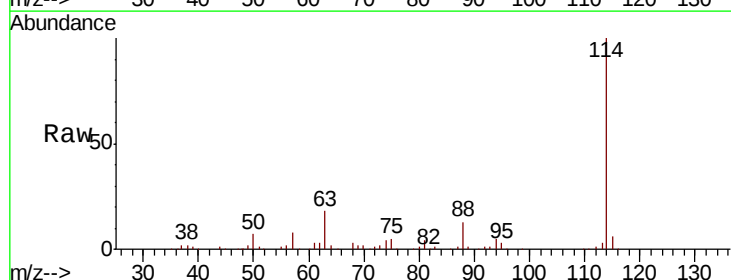
Manual Integrations
 APPROVED

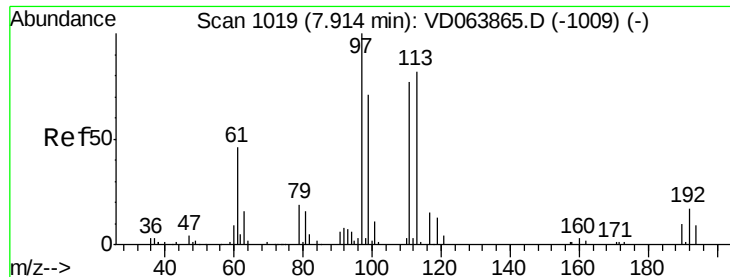
MMDadoda
 10/10/2019 1:46:04 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion: 114 Resp: 297898
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 38.4
 88 13.4 0.0 27.4





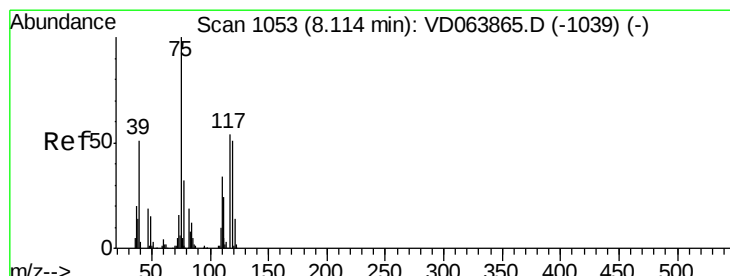
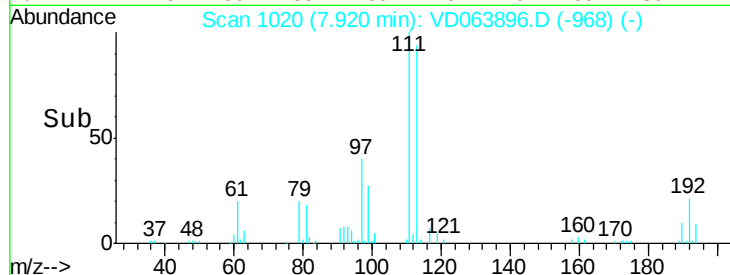
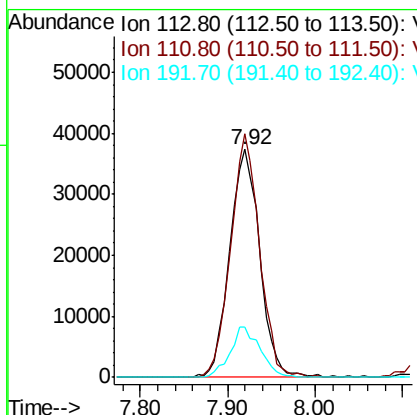
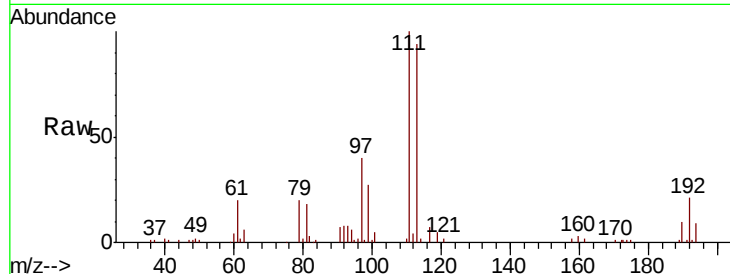
#35
 Dibromofluoromethane
 Concen: 47.882 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	22.0	17.1	25.7

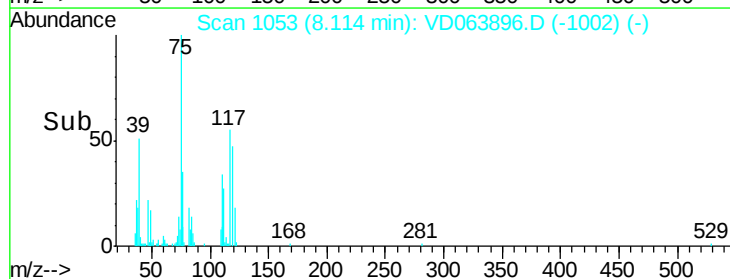
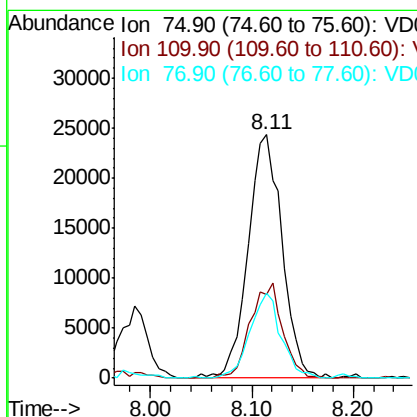
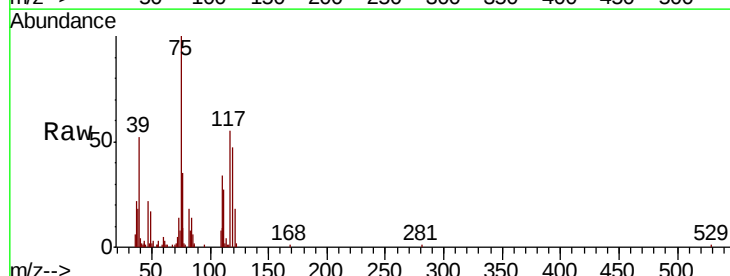
Manual Integrations
 APPROVED

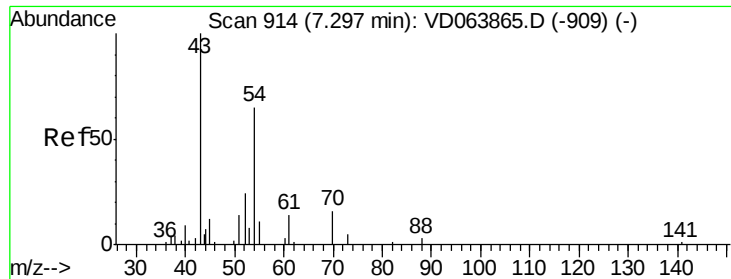
MMDadoda
 10/10/2019 1:46:04 PM



#36
 1,1-Dichloropropene
 Concen: 20.807 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.9	17.4	52.3
77	32.0	25.4	38.0





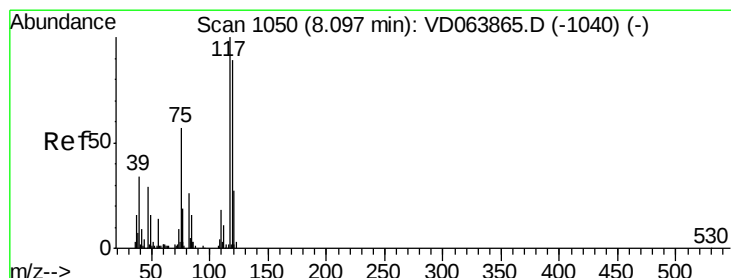
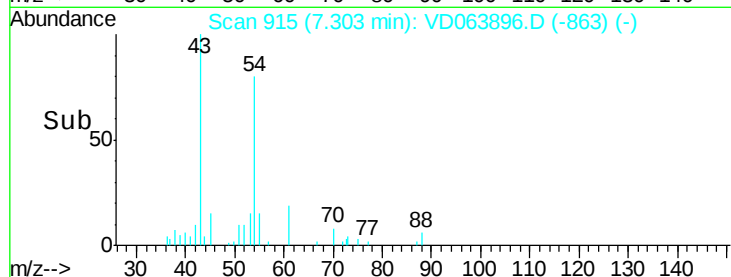
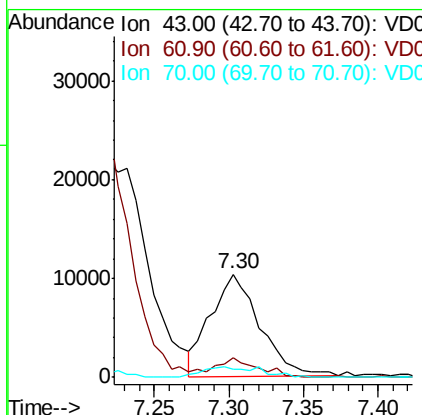
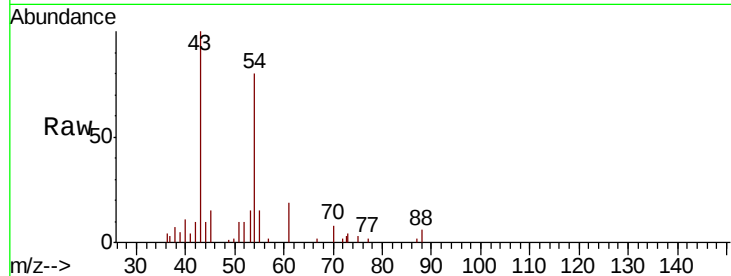
#37
Ethyl Acetate
Concen: 19.181 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	11.5	17.3
70	12.1	8.2	12.4

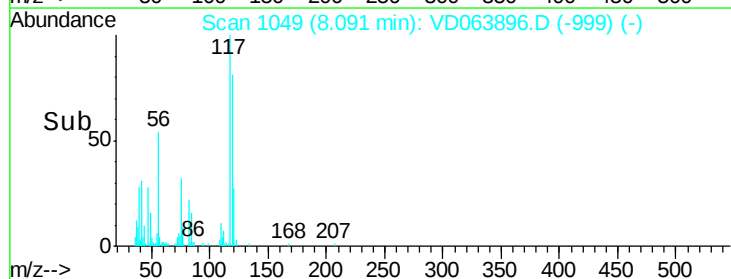
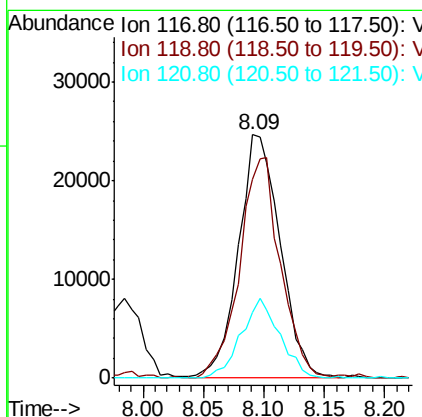
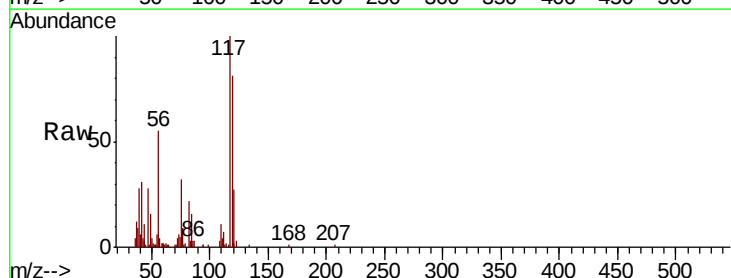
Manual Integrations
APPROVED

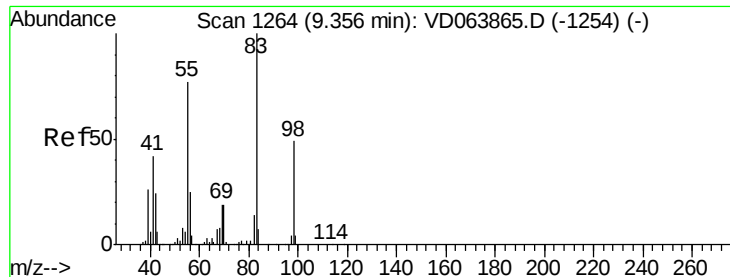
MMDadoda
10/10/2019 1:46:04 PM



#38
Carbon Tetrachloride
Concen: 21.566 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	81.5	70.8	106.2
121	27.2	21.4	32.0





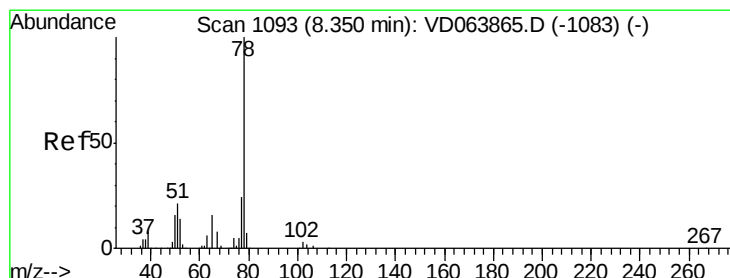
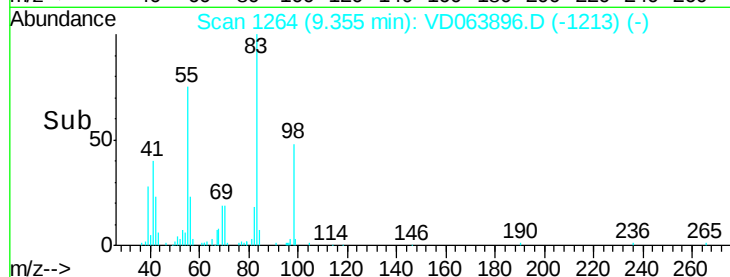
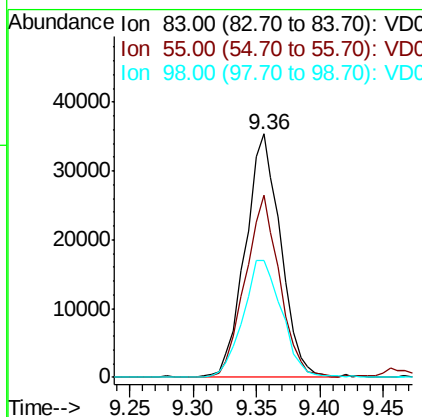
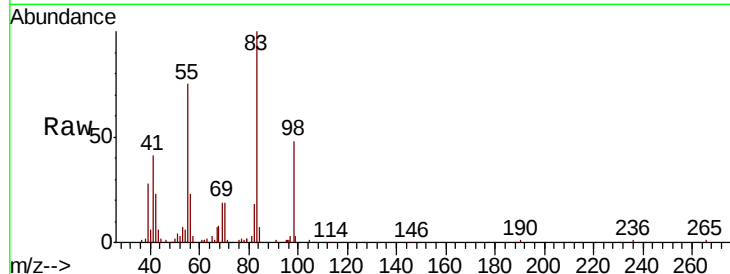
#39
Methvlcvclohexane
Concen: 20.472 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	61.3	91.9
98	48.1	39.3	58.9

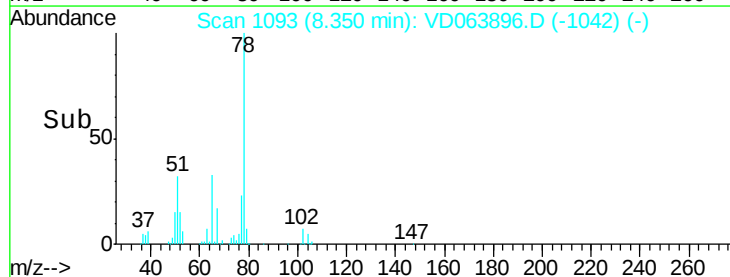
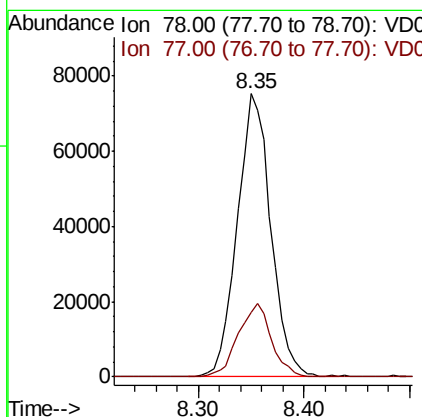
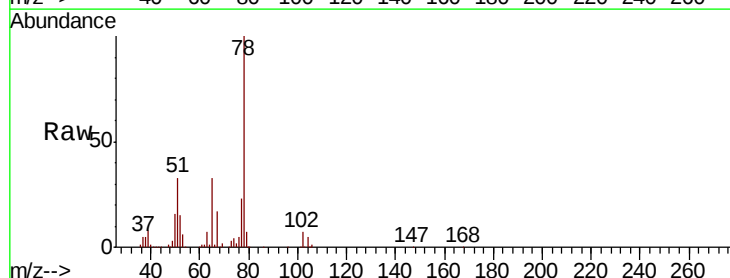
Manual Integrations
APPROVED

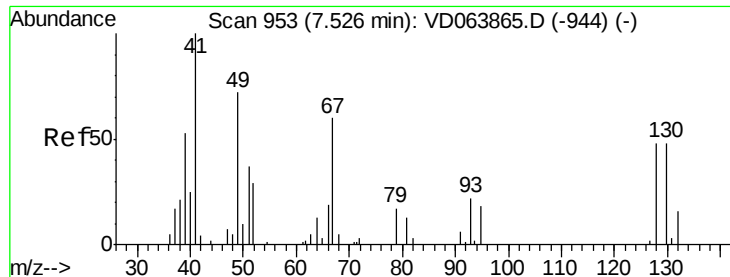
MMDadoda
10/10/2019 1:46:04 PM



#40
Benzene
Concen: 21.202 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.6





#41

Methacrylonitrile

Concen: 26.930 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 41 Resp: 17006

Ion Ratio Lower Upper

41 100

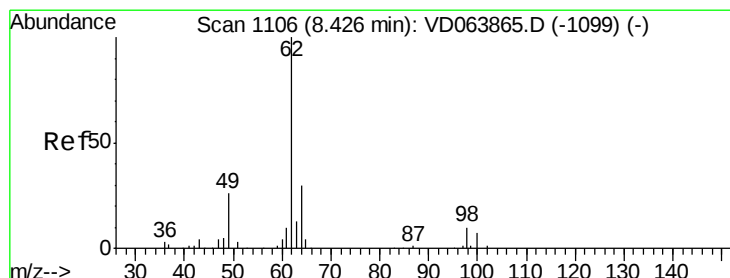
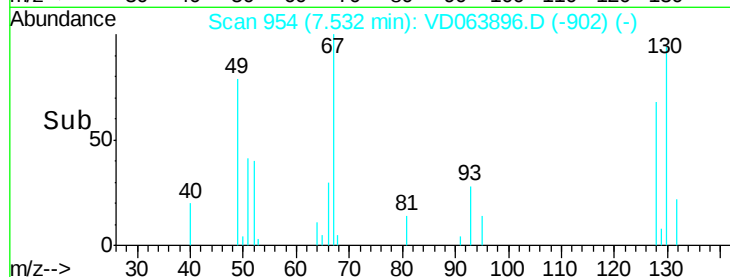
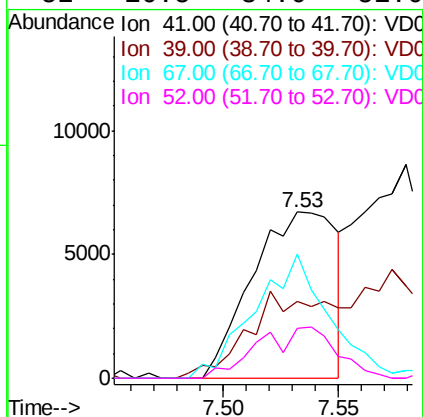
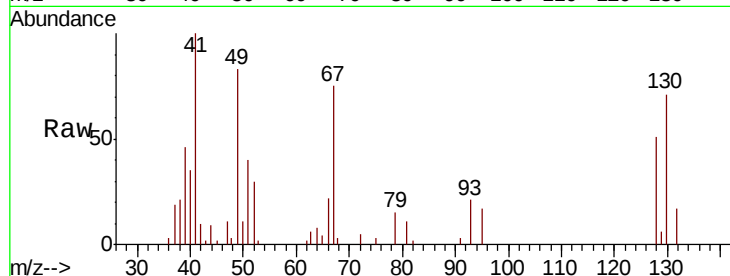
39 0.0 52.6 78.8#

67 65.6 74.2 111.2#

52 16.5 34.0 51.0#

Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:46:04 PM



#42

1,2-Dichloroethane

Concen: 21.097 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD063896.D

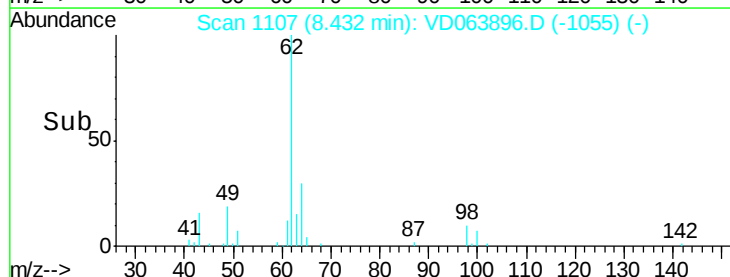
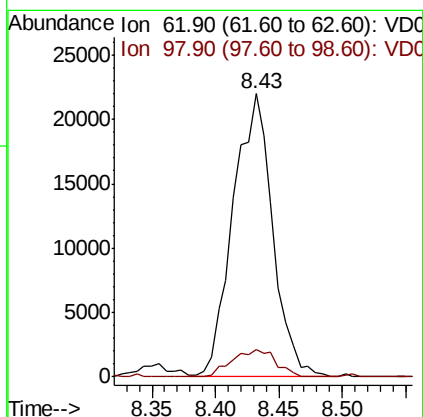
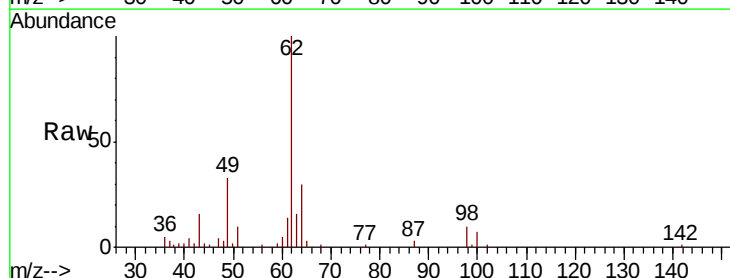
Acq: 07 Oct 2019 12:49

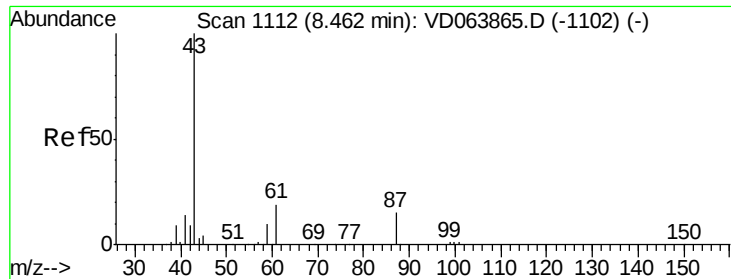
Tgt Ion: 62 Resp: 47634

Ion Ratio Lower Upper

62 100

98 10.7 0.0 20.0





#43

Isopropyl Acetate

Concen: 21.602 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

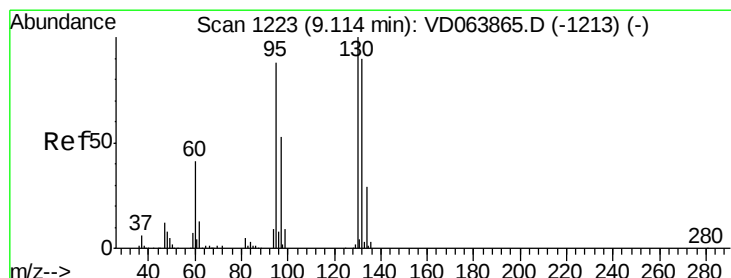
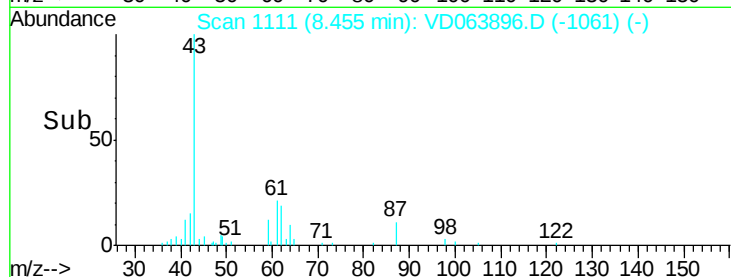
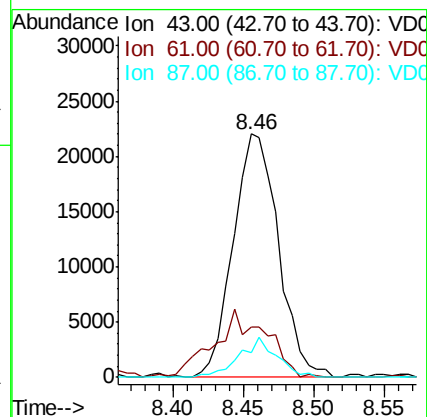
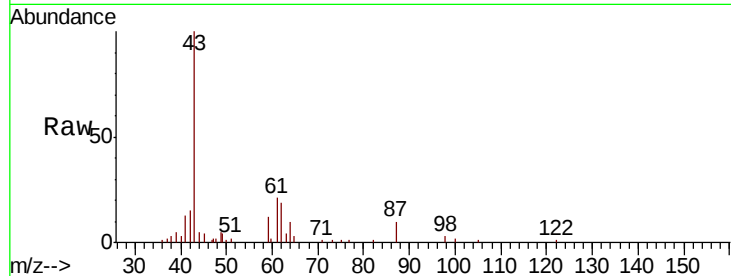
ClientSampleId :

VD1007SBS01

Tot Ion:	43	Resp:	49344
Ion	Ratio	Lower	Upper
43	100		
61	32.4	25.7	38.5
87	13.6	11.6	17.4

Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:46:04 PM



#44

Trichloroethene

Concen: 20.982 ug/l

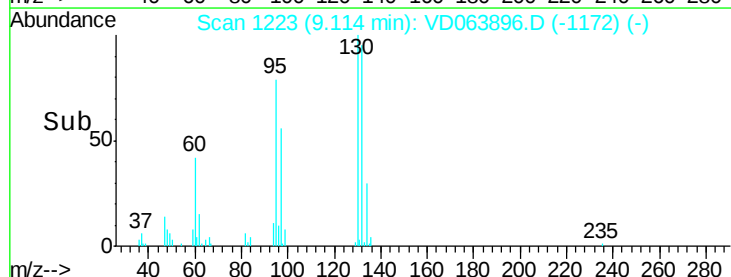
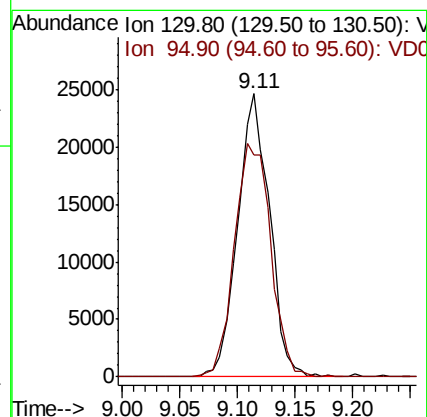
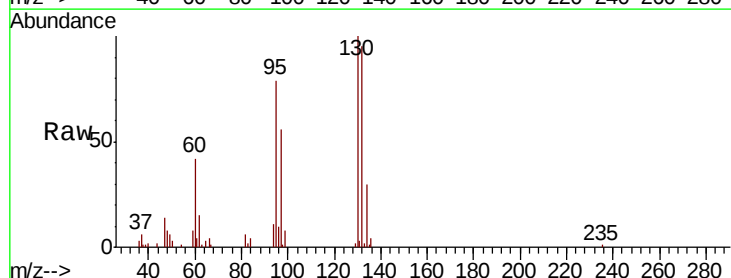
RT: 9.11 min Scan# 1223

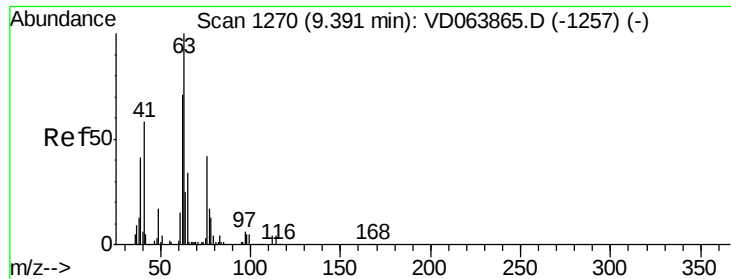
Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Tgt Ion:	130	Resp:	47227
Ion	Ratio	Lower	Upper
130	100		
95	78.6	0.0	175.6





#45

1,2-Dichloropropane

Concen: 20.665 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 63 Resp: 39481

Ion Ratio Lower Upper

63 100

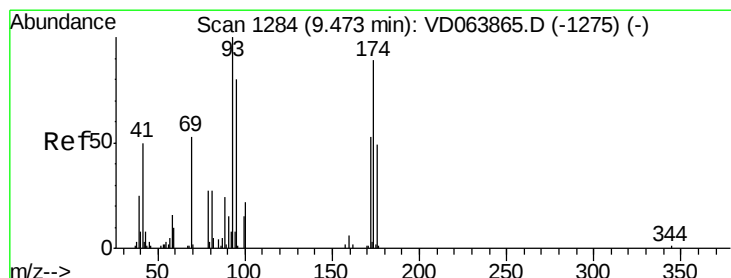
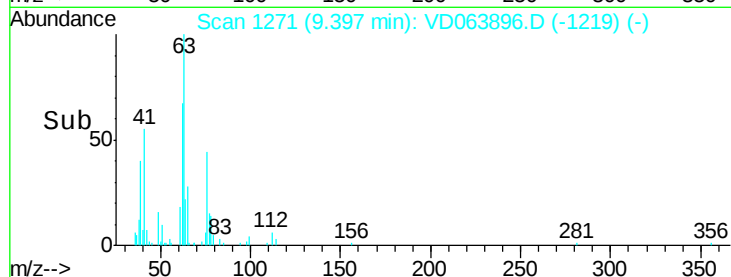
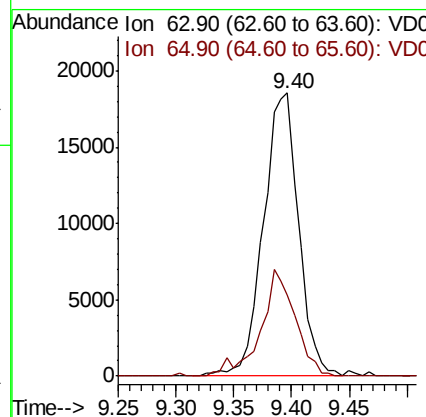
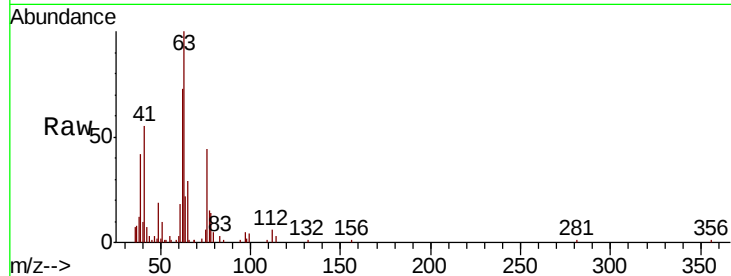
65 28.8 27.3 40.9

Manual Integrations

APPROVED

MMDadoda

10/10/2019 1:46:04 PM



#46

Dibromomethane

Concen: 22.249 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

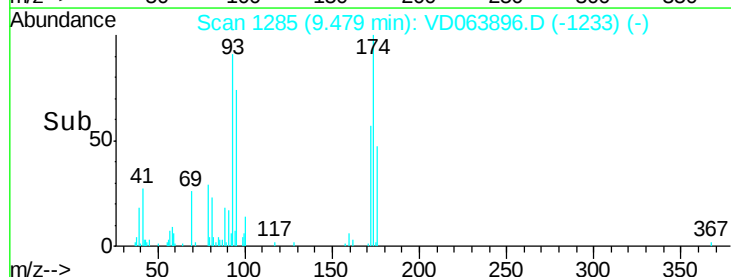
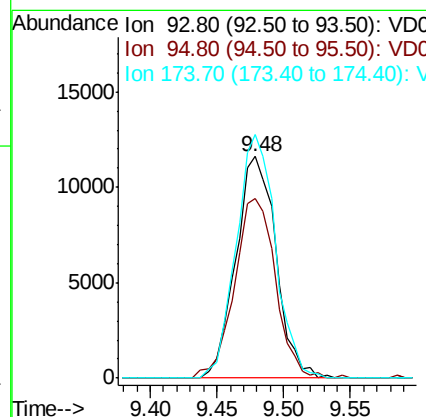
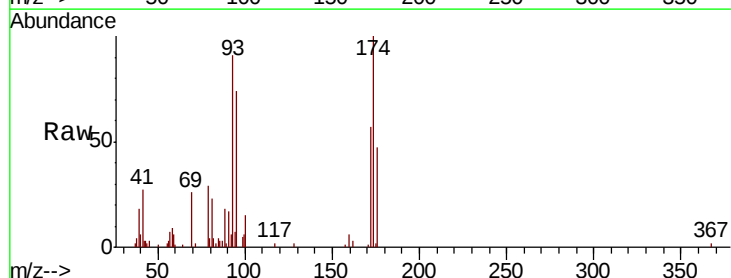
Tgt Ion: 93 Resp: 24208

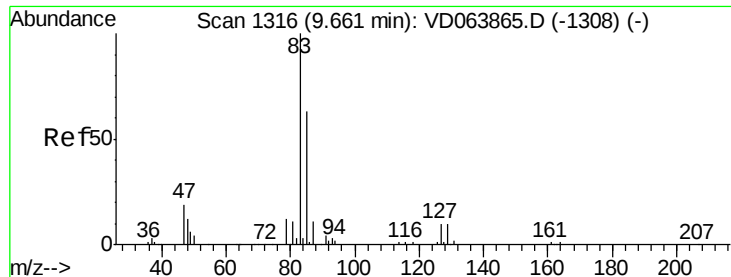
Ion Ratio Lower Upper

93 100

95 82.5 66.0 99.0

174 107.8 83.4 125.0





#47

Bromodichloromethane

Concen: 20.225 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

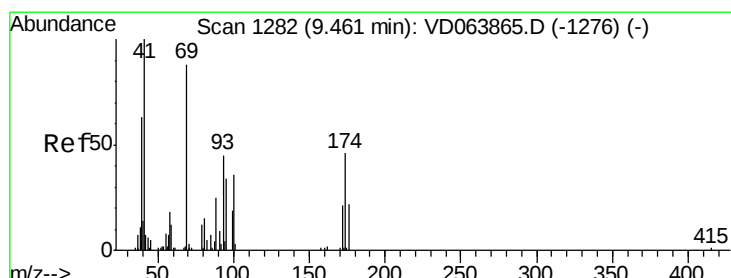
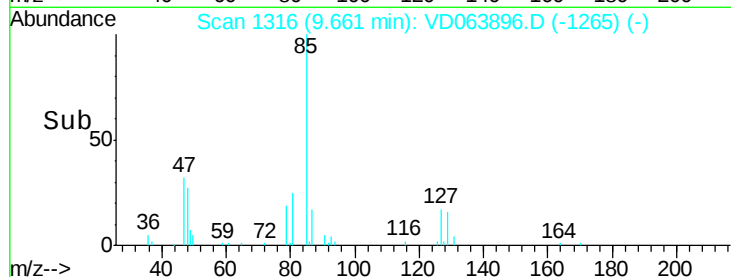
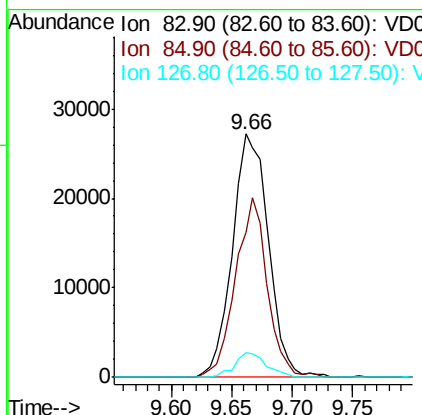
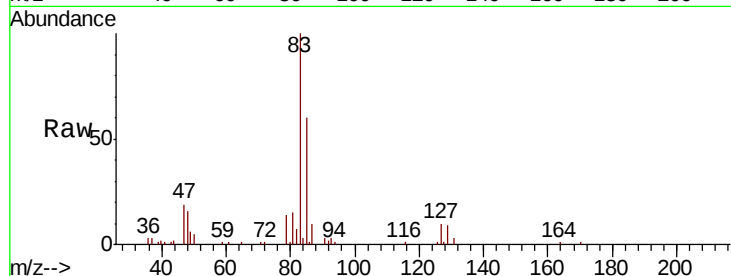
ClientSampleId :

VD1007SBSD01

Tot Ion:	83	Resp:	56657
Ion	Ratio	Lower	Upper
83	100		
85	59.8	50.2	75.2
127	10.0	7.6	11.4

Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:46:04 PM



#48

Methyl methacrylate

Concen: 20.367 ug/l

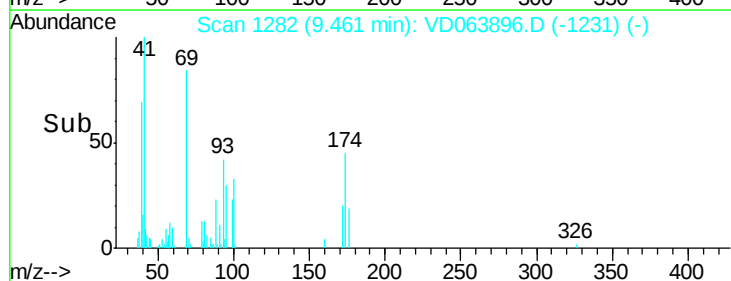
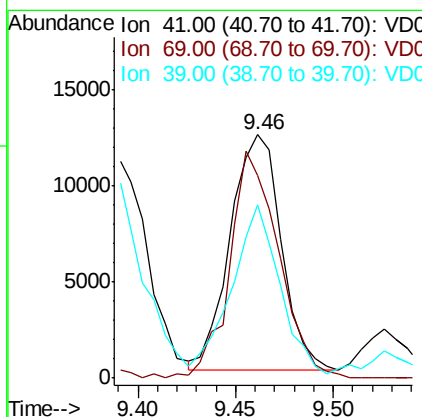
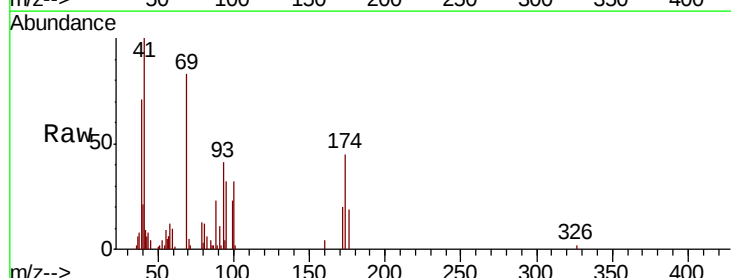
RT: 9.46 min Scan# 1282

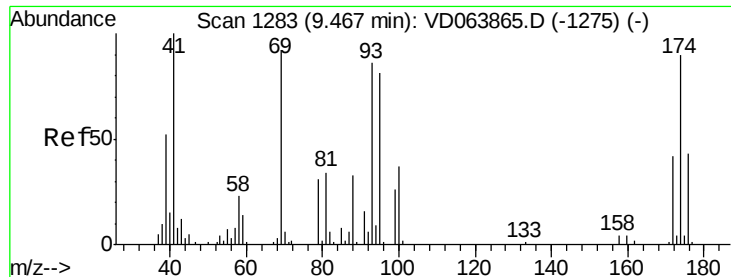
Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Tgt Ion:	41	Resp:	22291
Ion	Ratio	Lower	Upper
41	100		
69	92.5	75.1	112.7
39	71.1	50.2	75.2





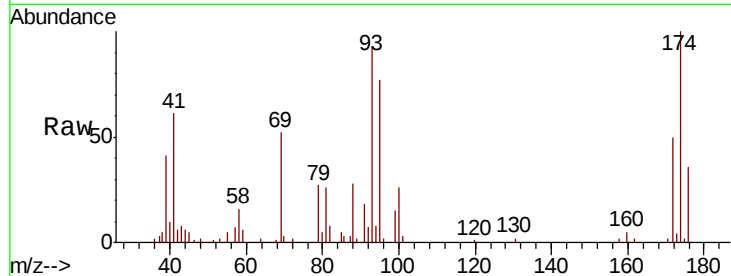
#49
1,4-Dioxane
Concen: 442.098 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	27.6	41.4
58	63.1	54.1	81.1

Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:46:04 PM

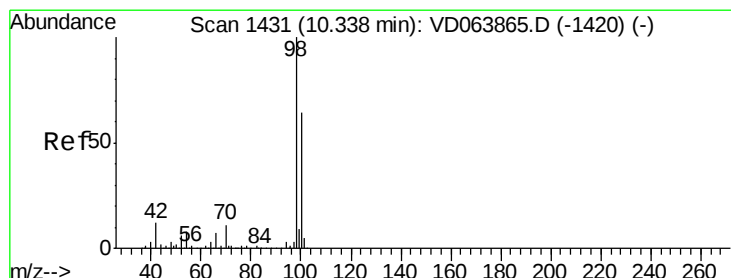
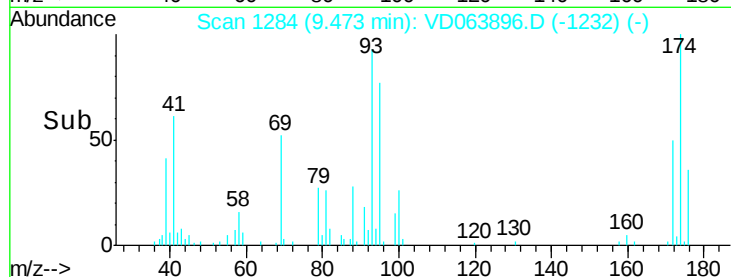
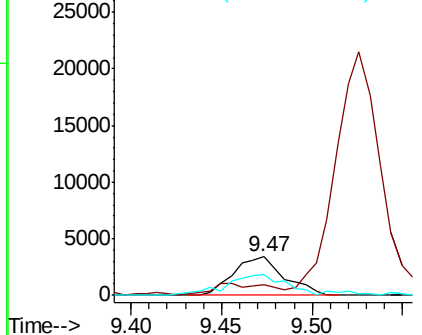


Abundance

Ion 88.00 (87.70 to 88.70): VDC

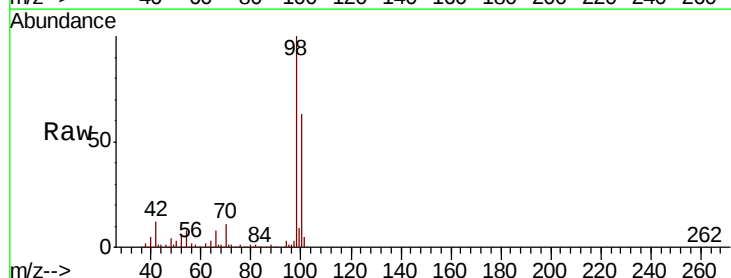
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 48.435 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

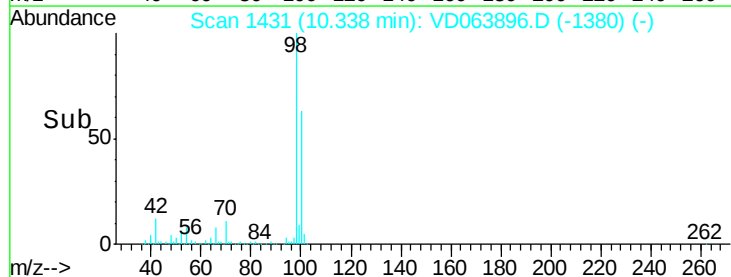
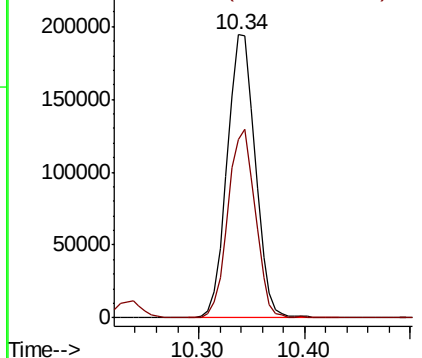
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1

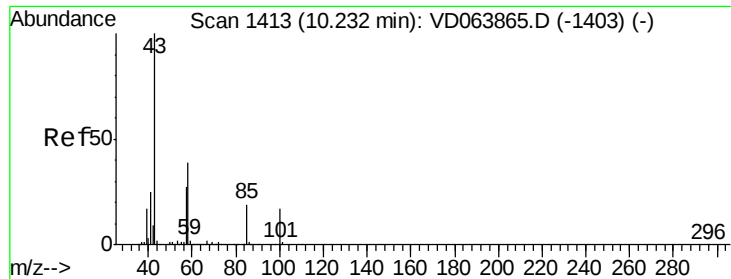


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 108.920 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleID :

VD1007SBS01

Tot Ion: 43 Resp: 129033

Ion Ratio Lower Upper

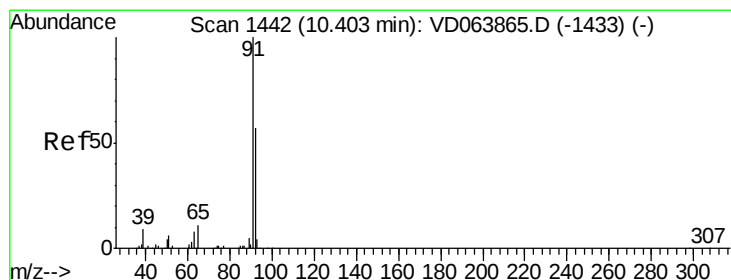
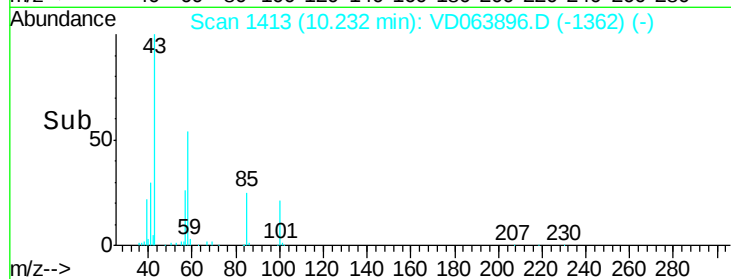
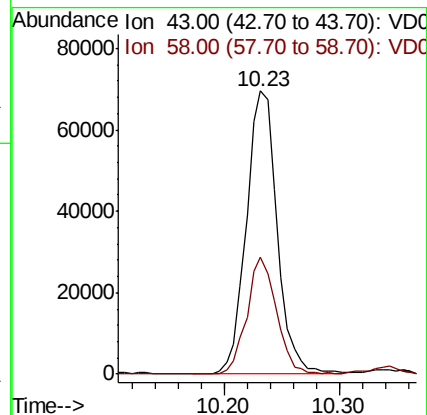
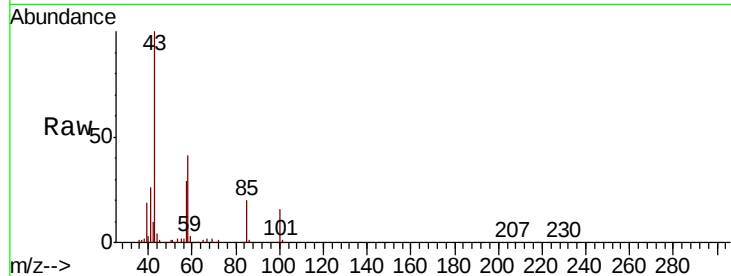
43 100

58 39.9 33.0 49.4

Manual Integrations
APPROVED

MMDadoda

10/10/2019 1:46:04 PM



#52

Toluene

Concen: 21.492 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063896.D

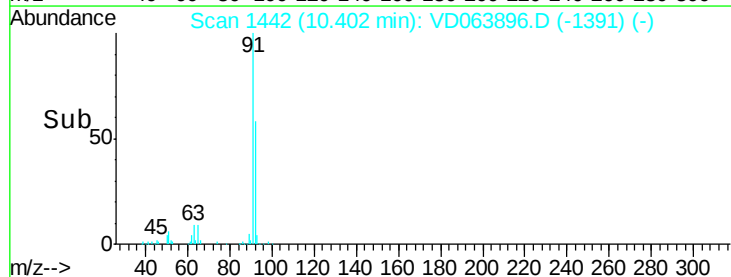
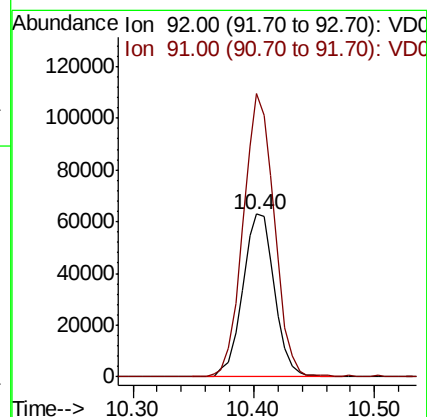
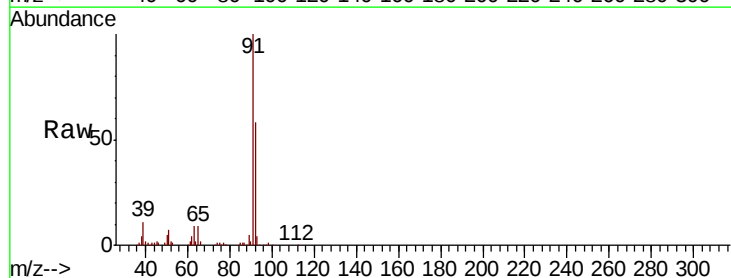
Acq: 07 Oct 2019 12:49

Tgt Ion: 92 Resp: 115163

Ion Ratio Lower Upper

92 100

91 170.7 139.5 209.3





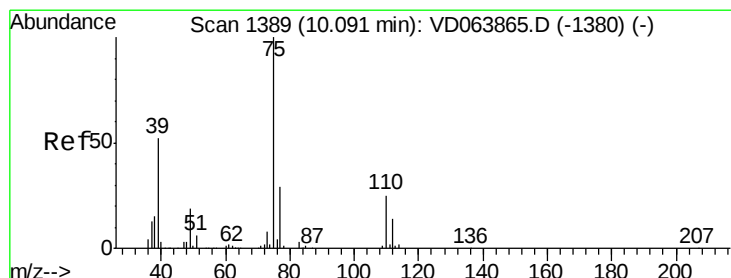
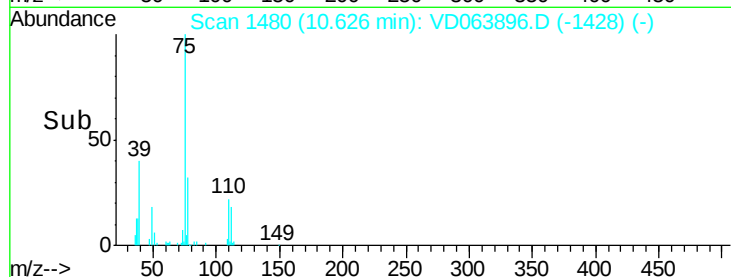
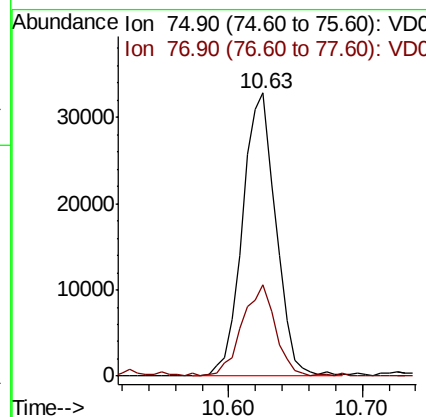
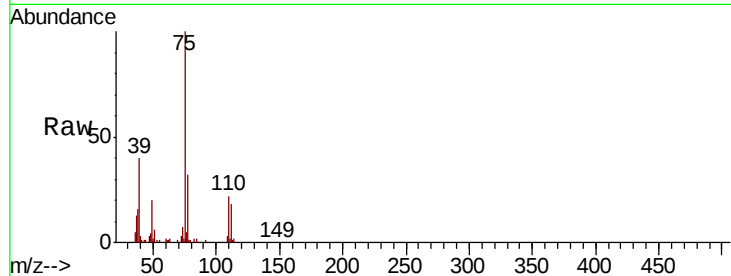
#53
 t-1,3-Dichloropropene
 Concen: 20.730 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBSD01

Tot Ion	75	Resp	56668
Ion Ratio	Lower	Upper	
75	100		
77	31.5	22.8	34.2

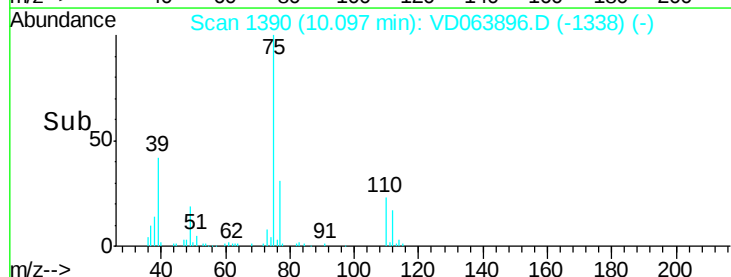
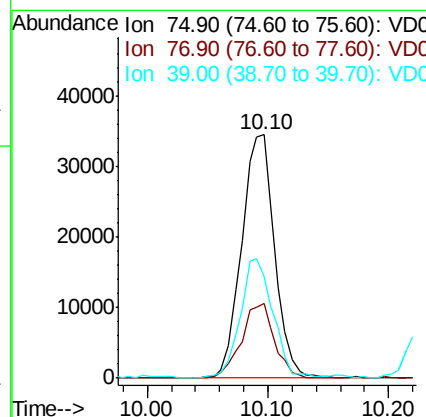
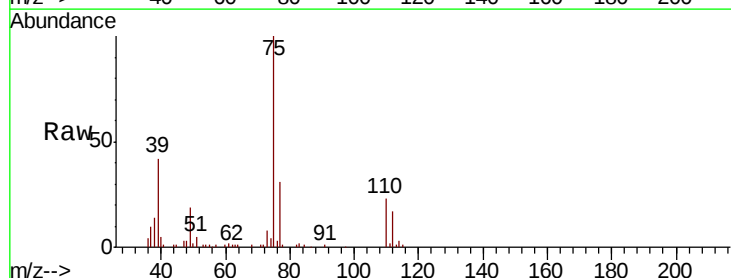
Manual Integrations
 APPROVED

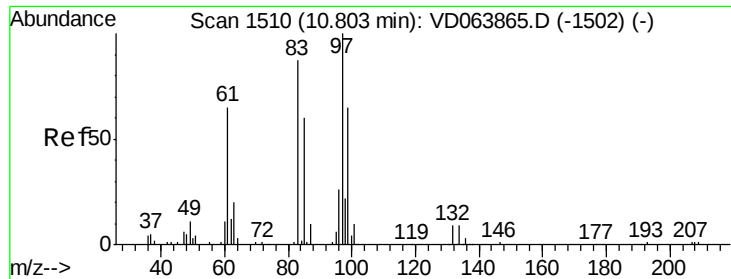
MMDadoda
 10/10/2019 1:46:04 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.849 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion	75	Resp	65606
Ion Ratio	Lower	Upper	
75	100		
77	30.6	23.2	34.8
39	41.8	41.5	62.3





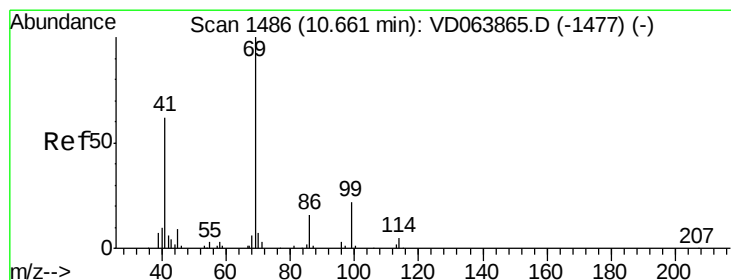
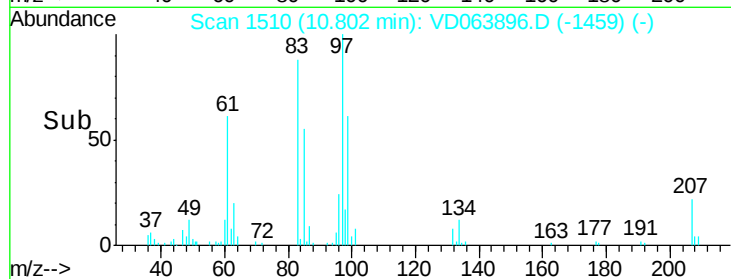
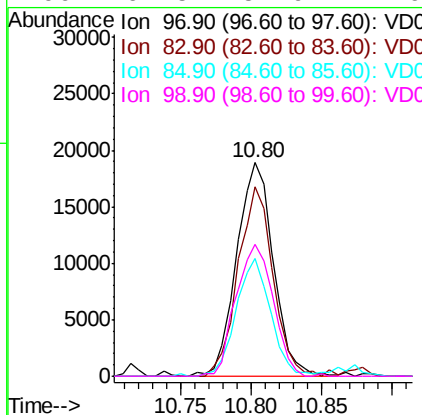
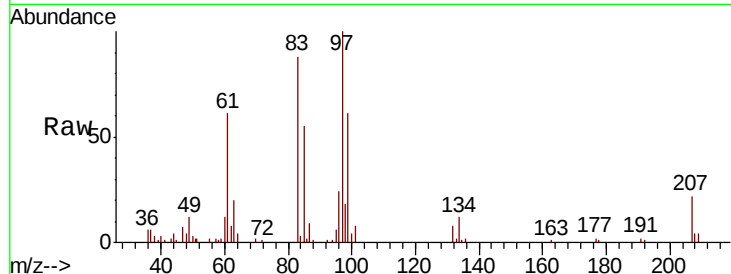
#55
 1,1,2-Trichloroethane
 Concen: 22.495 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion	97	Resp:	34559
Ion	Ratio	Lower	Upper
97	100		
83	88.4	69.7	104.5
85	54.9	48.1	72.1
99	61.5	51.9	77.9

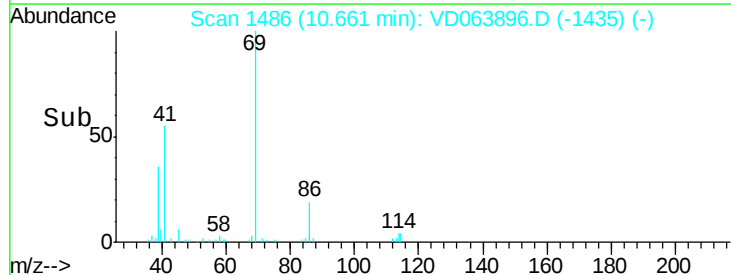
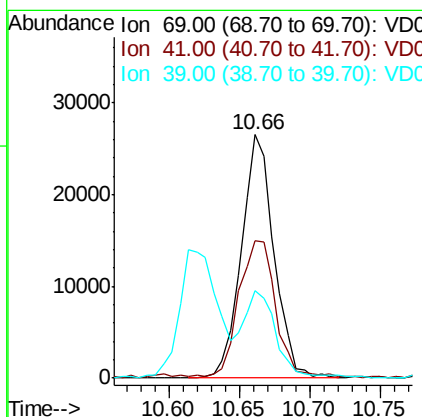
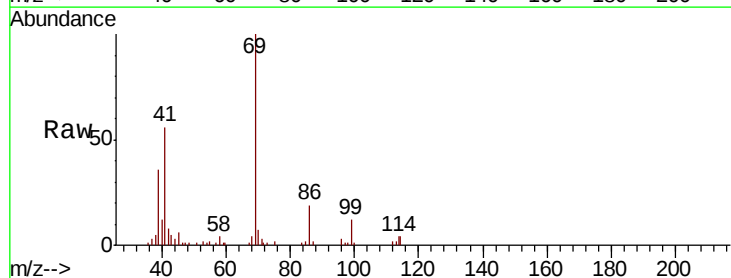
Manual Integrations
 APPROVED

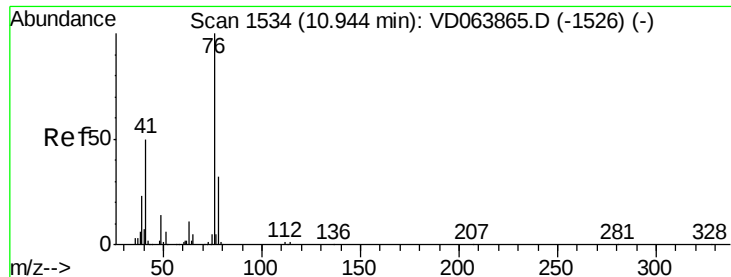
MMDadoda
 10/10/2019 1:46:04 PM



#56
 Ethyl methacrylate
 Concen: 22.008 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion	69	Resp:	42816
Ion	Ratio	Lower	Upper
69	100		
41	64.5	51.3	76.9
39	37.4	28.0	42.0





#57

1,3-Dichloropropane

Concen: 22.194 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 76 Resp: 58338

Ion Ratio Lower Upper

76 100

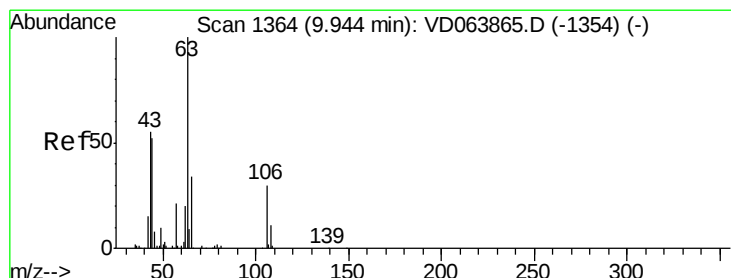
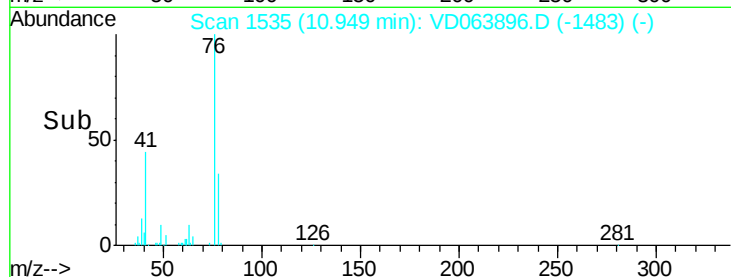
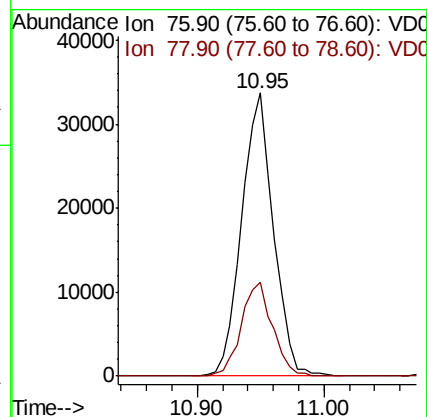
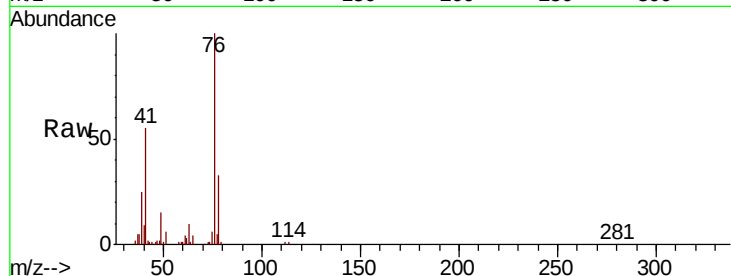
78 32.6 26.6 40.0

Manual Integrations

APPROVED

MMDadoda

10/10/2019 1:46:04 PM



#58

2-Chloroethyl Vinyl ether

Concen: 101.474 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063896.D

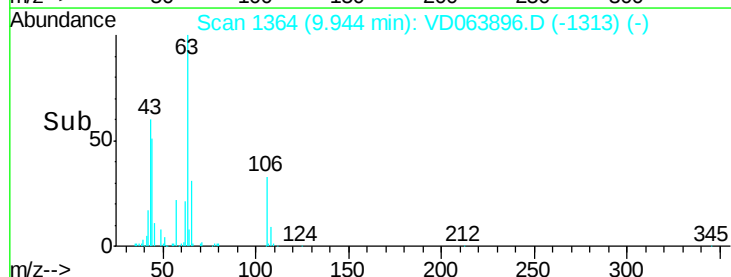
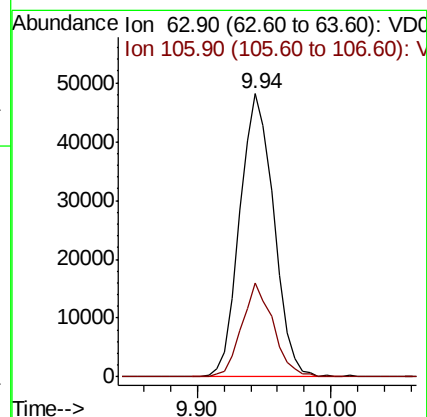
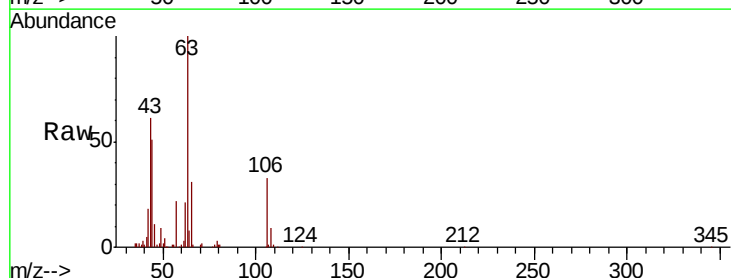
Acq: 07 Oct 2019 12:49

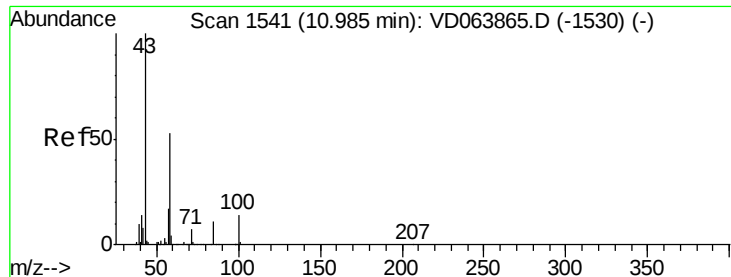
Tgt Ion: 63 Resp: 84857

Ion Ratio Lower Upper

63 100

106 30.7 24.3 36.5





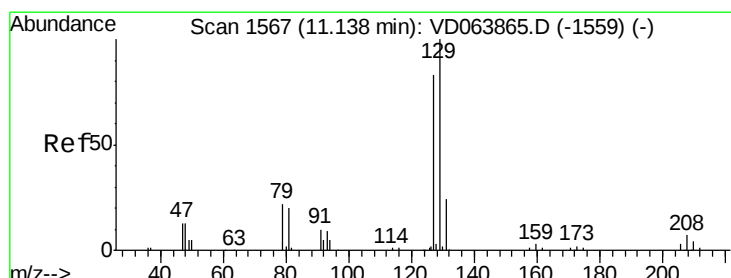
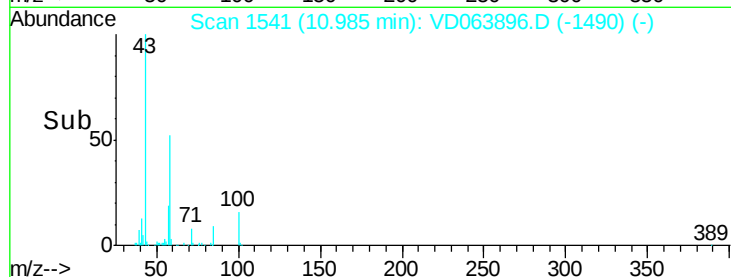
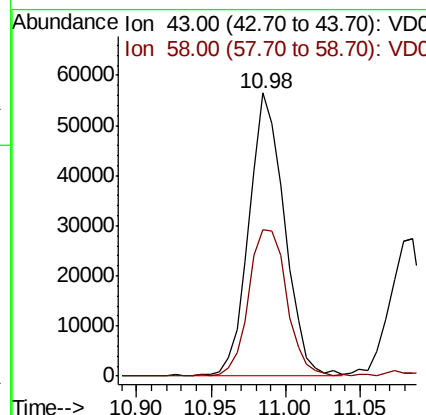
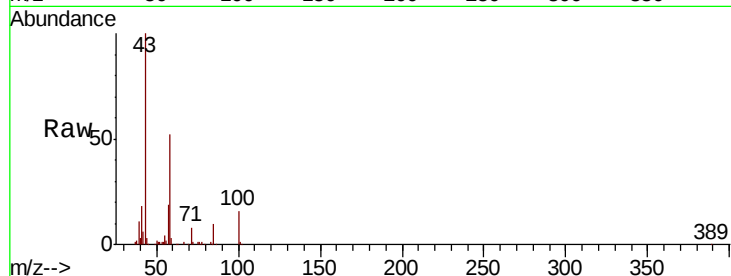
#59
2-Hexanone
Concen: 108.366 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion: 43 Resp: 92864
Ion Ratio Lower Upper
43 100
58 55.6 27.7 83.0

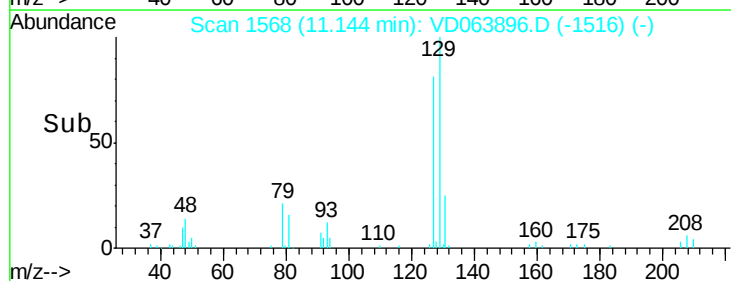
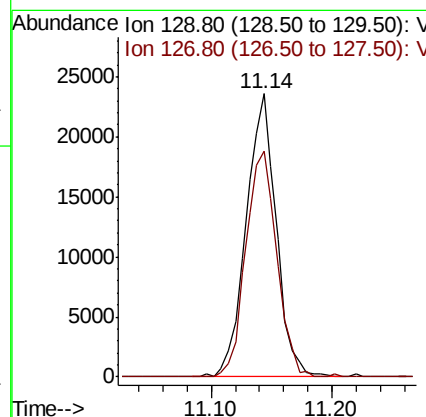
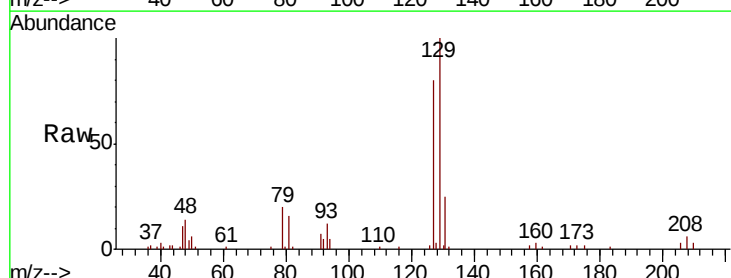
Manual Integrations
APPROVED

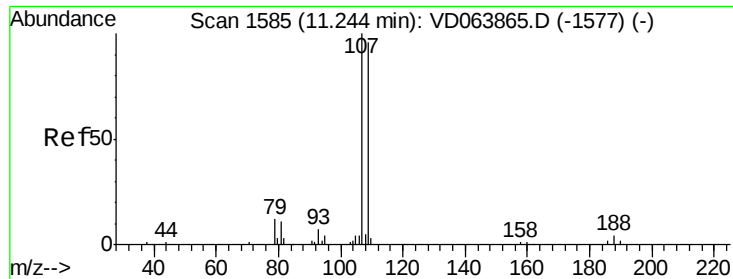
MMDadoda
10/10/2019 1:46:04 PM



#60
Dibromochloromethane
Concen: 20.434 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion: 129 Resp: 40869
Ion Ratio Lower Upper
129 100
127 82.2 39.9 119.6





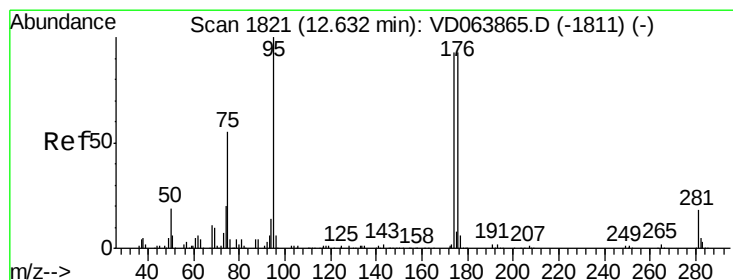
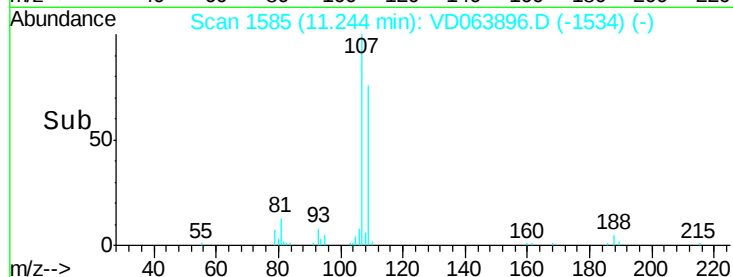
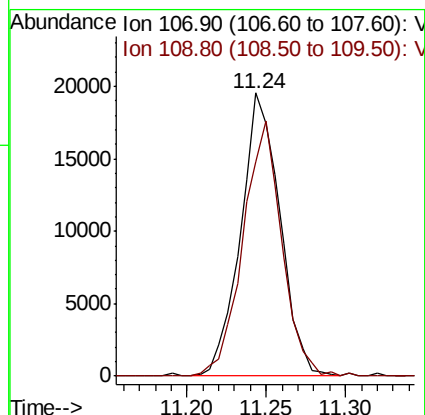
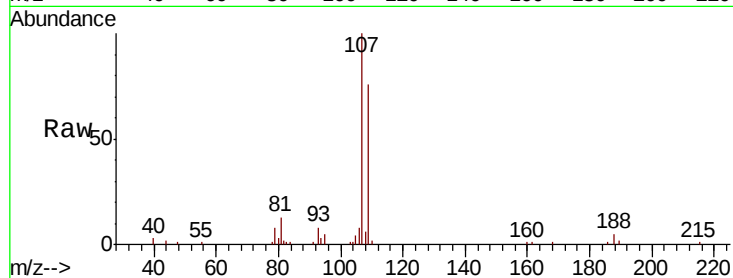
#61
 1,2-Dibromoethane
 Concen: 22.659 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBSD01

Tot Ion:107 Resp: 33748
 Ion Ratio Lower Upper
 107 100
 109 88.8 75.2 112.8

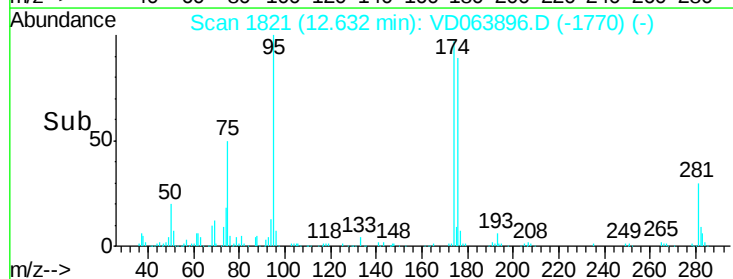
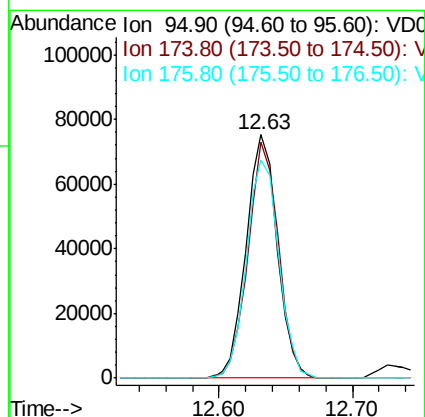
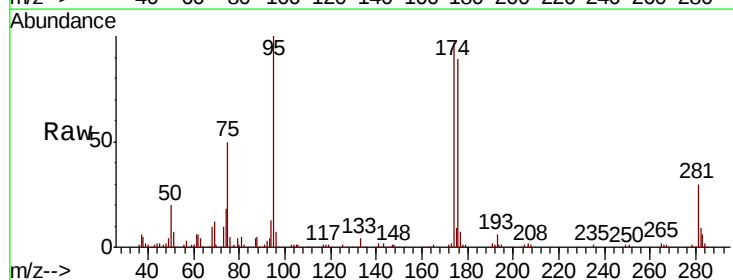
Manual Integrations
 APPROVED

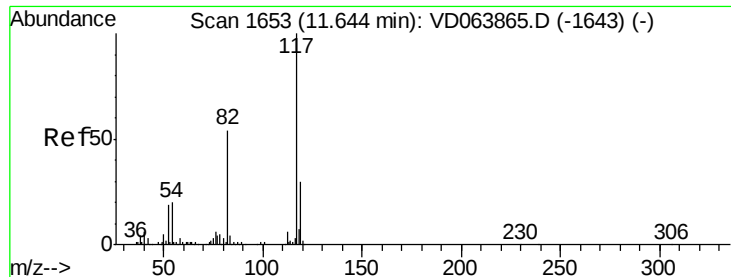
MMDadoda
 10/10/2019 1:46:04 PM



#62
 4-Bromofluorobenzene
 Concen: 47.126 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion: 95 Resp: 121010
 Ion Ratio Lower Upper
 95 100
 174 94.2 0.0 186.4
 176 92.9 0.0 184.2





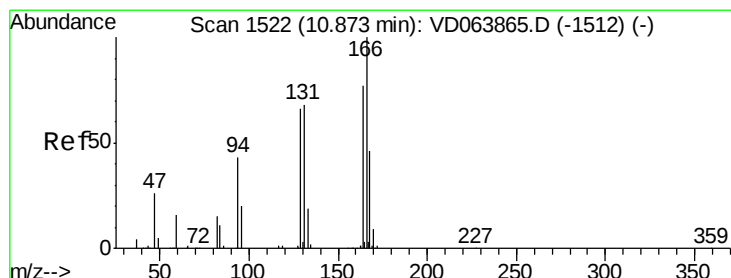
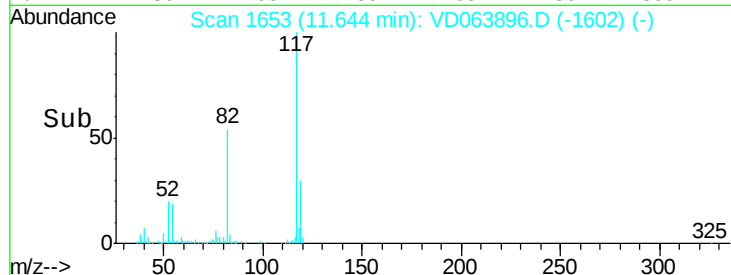
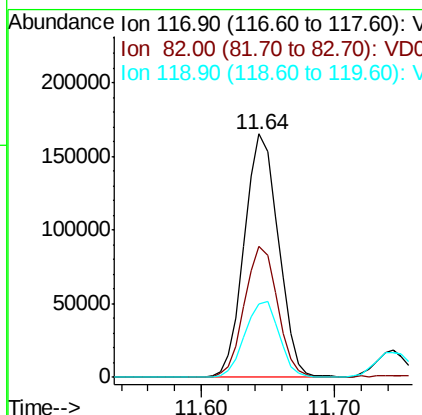
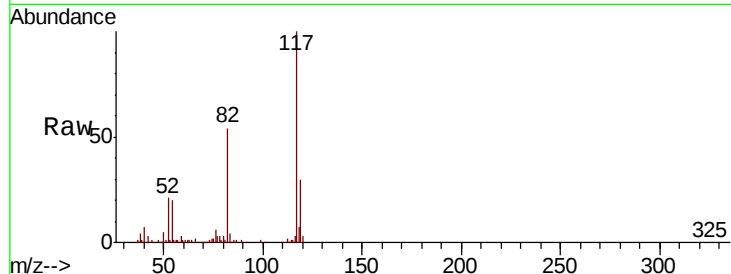
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	291616		
82	53.6	42.8	64.2	
119	30.1	24.4	36.6	

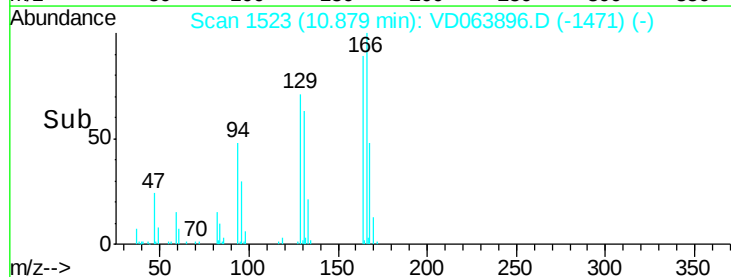
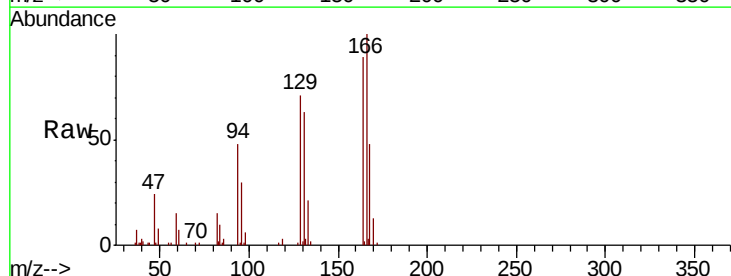
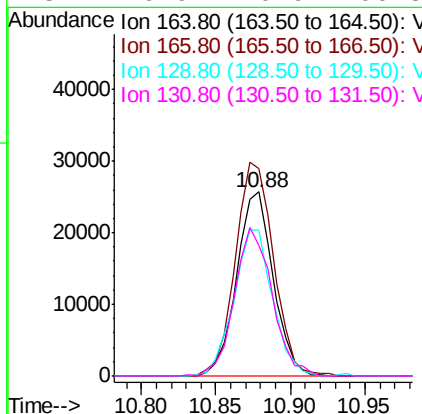
Manual Integrations
APPROVED

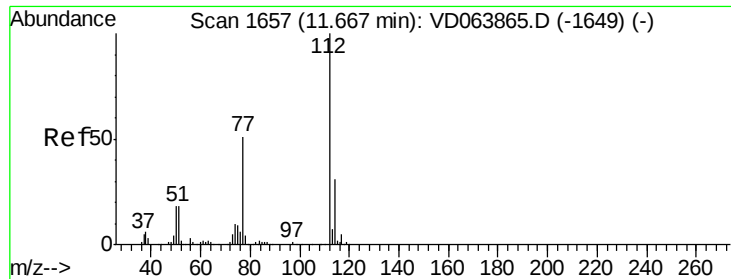
MMDadoda
10/10/2019 1:46:04 PM



#64
Tetrachloroethene
Concen: 22.038 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	43873		
166	112.4	103.8	155.6	
129	79.3	68.9	103.3	
131	70.9	70.9	106.3	





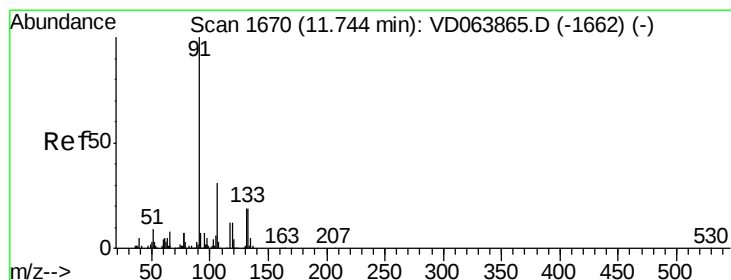
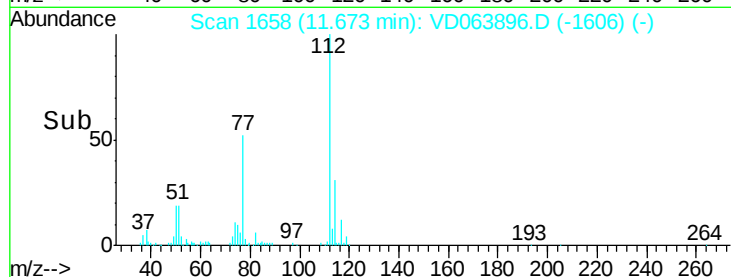
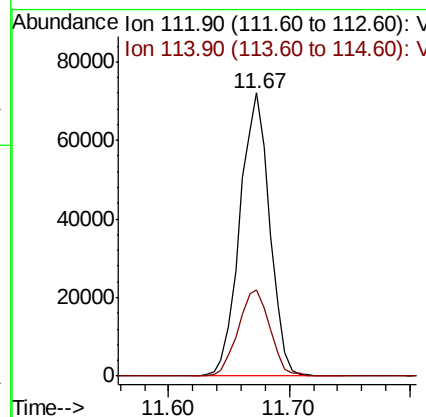
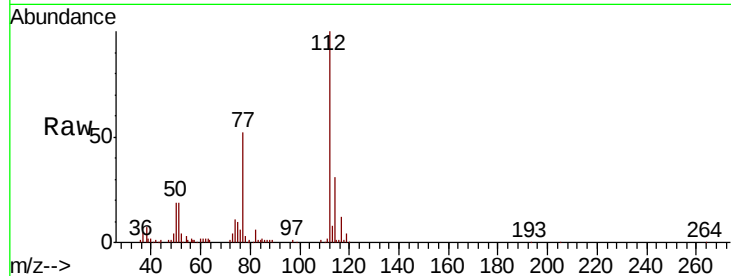
#65
Chlorobenzene
Concen: 21.129 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.7	25.1	37.7

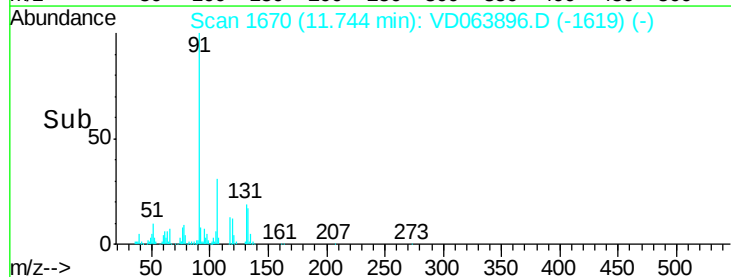
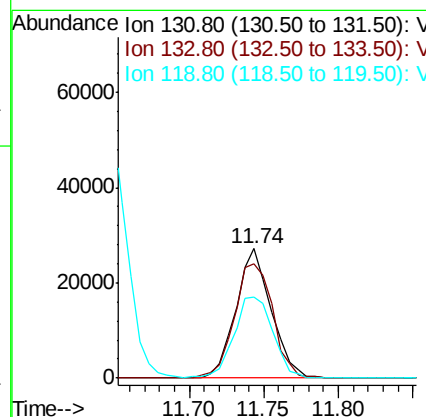
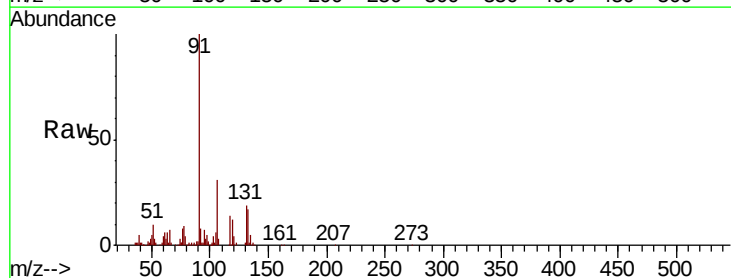
Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:46:04 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.747 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.9	146.7
119	69.3	32.6	97.8





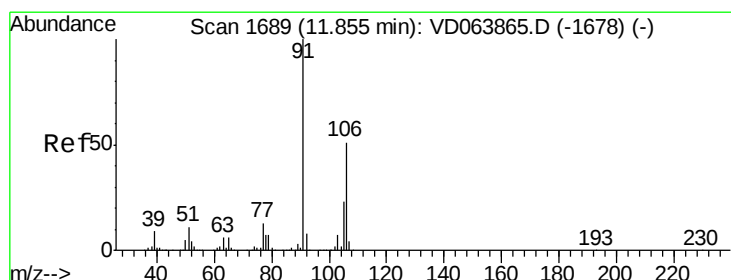
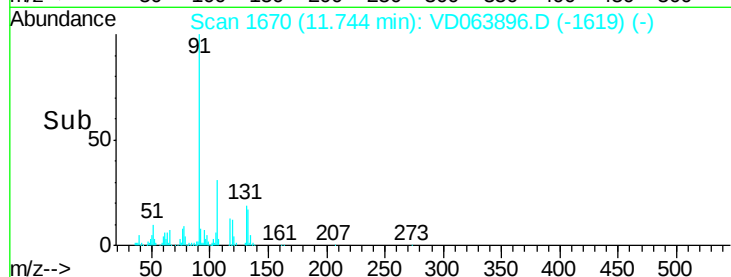
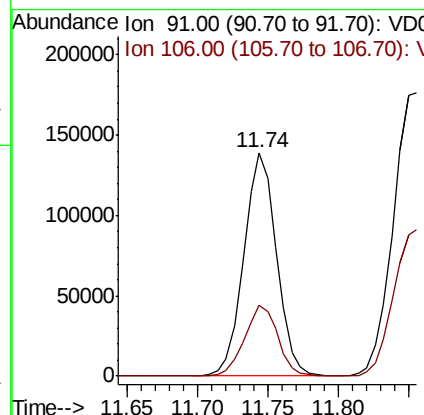
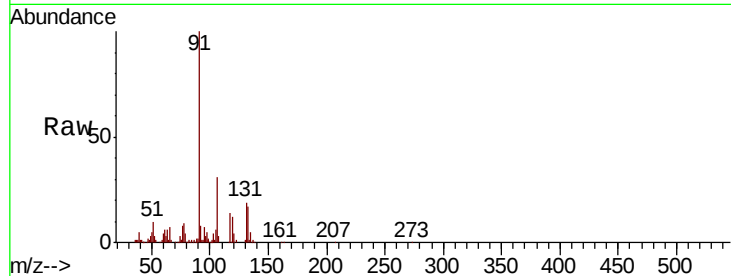
#67
Ethyl Benzene
Concen: 21.330 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.6	37.0

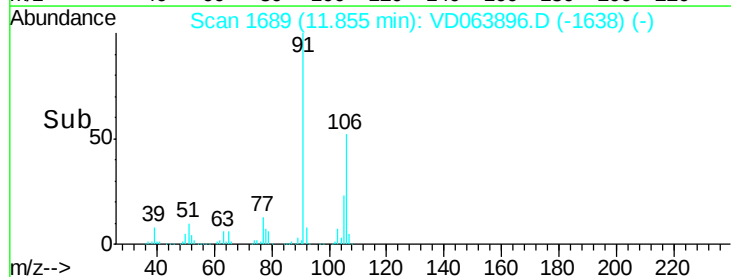
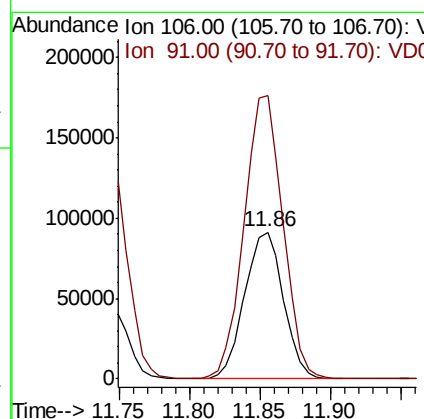
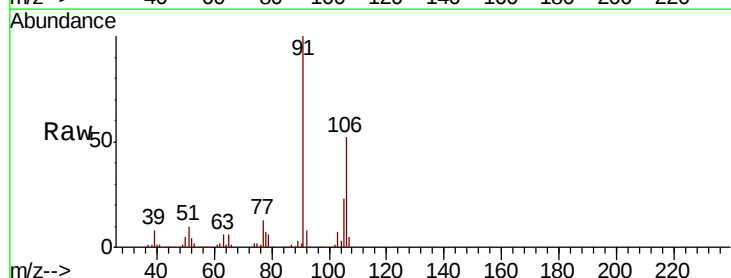
Manual Integrations
APPROVED

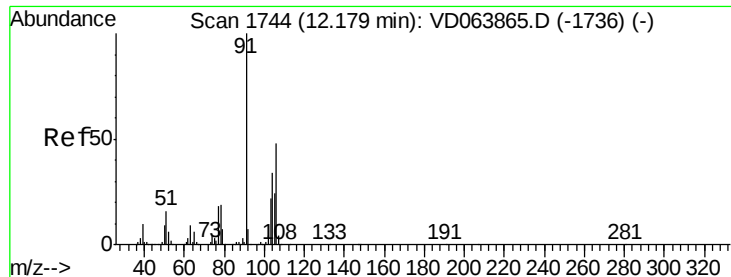
MMDadoda
10/10/2019 1:46:04 PM



#68
m/p-Xylenes
Concen: 43.285 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
106	100		
91	192.6	154.8	232.2





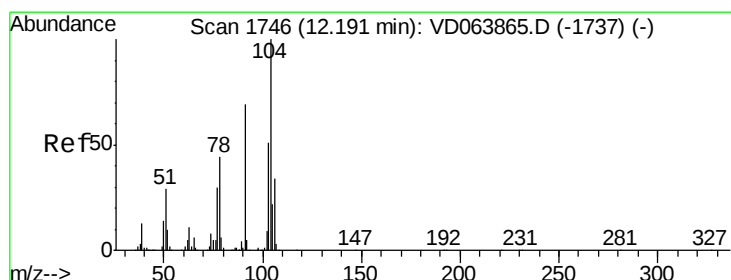
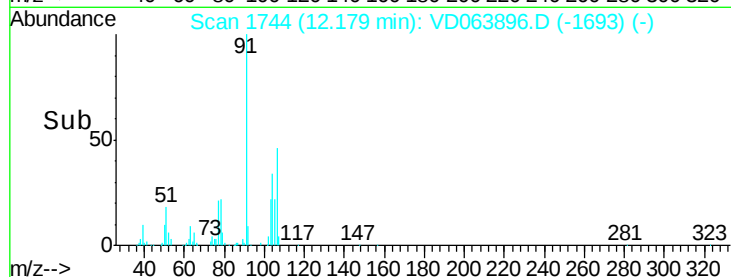
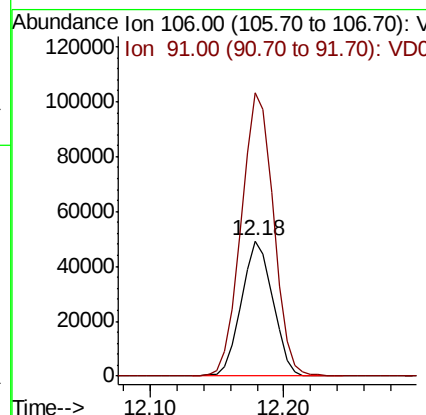
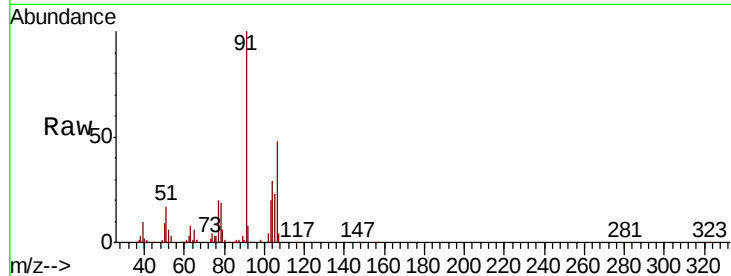
#69
o-Xylene
Concen: 20.648 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.1	103.9	311.7

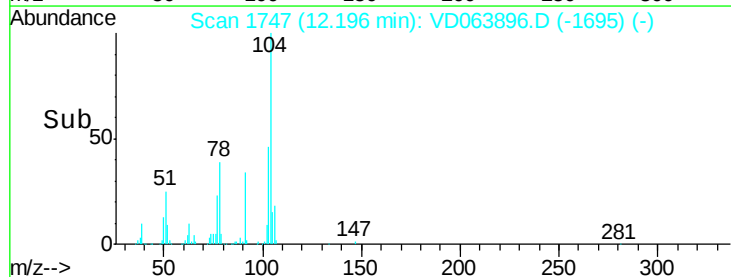
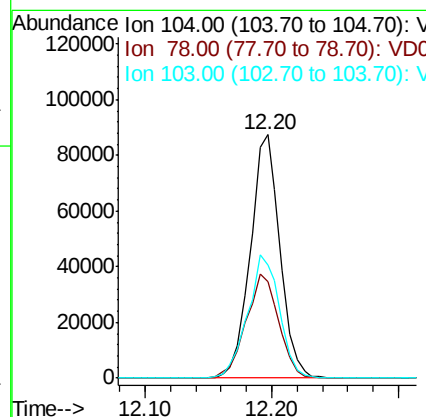
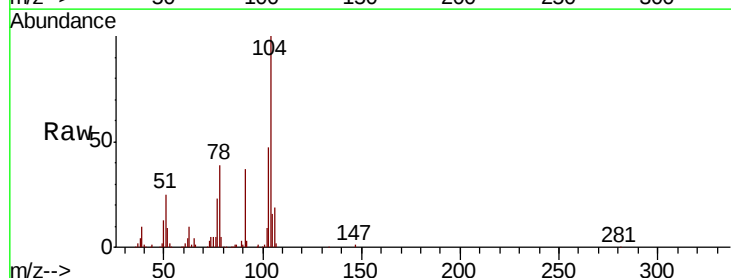
Manual Integrations
APPROVED

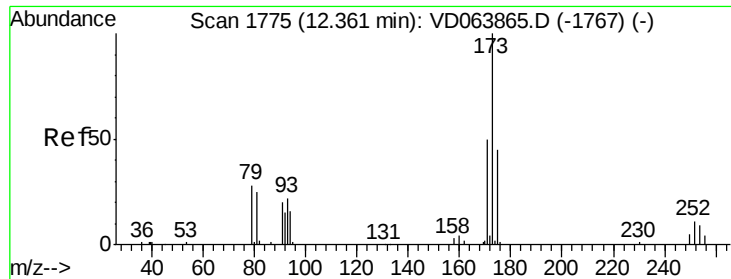
MMDadoda
10/10/2019 1:46:04 PM



#70
Styrene
Concen: 21.466 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.1	37.0	55.4
103	54.6	44.2	66.4





#71

Bromoform

Concen: 22.551 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

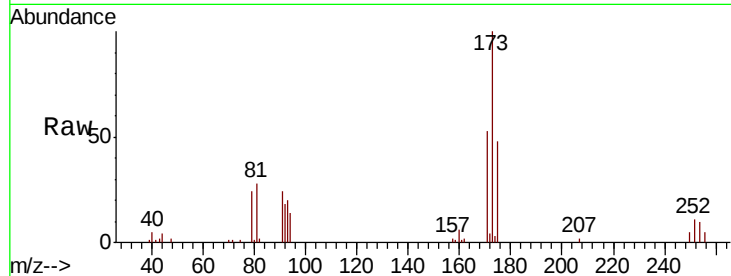
ClientSampleId :

VD1007SBS01

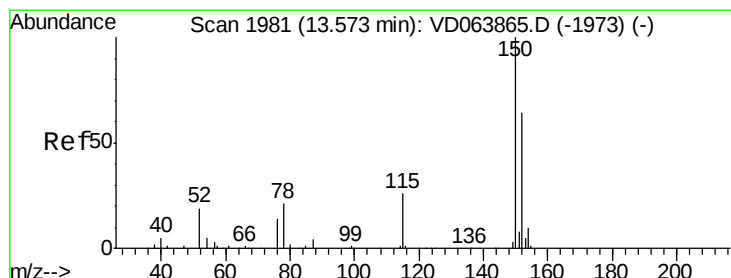
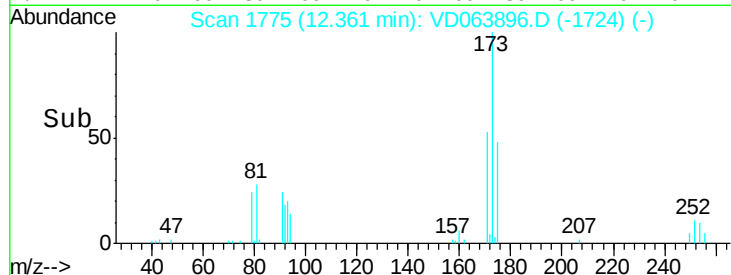
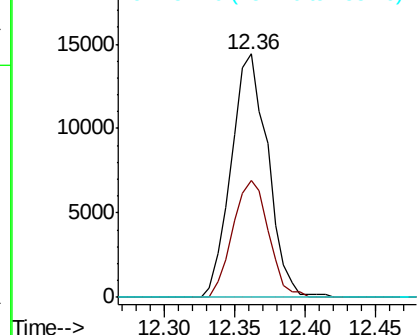
Tot Ion:	173	Resp:	26117
Ion Ratio	Lower	Upper	
173	100		
175	46.9	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:46:04 PM



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

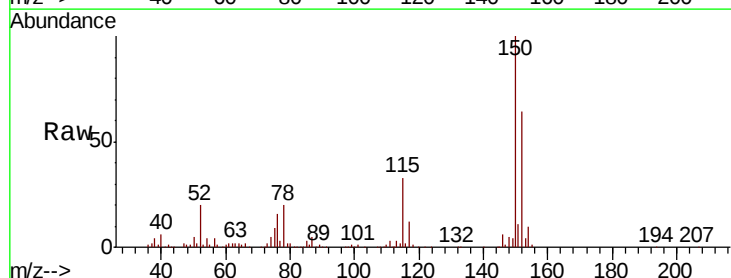
RT: 13.57 min Scan# 1981

Delta R.T. -0.00 min

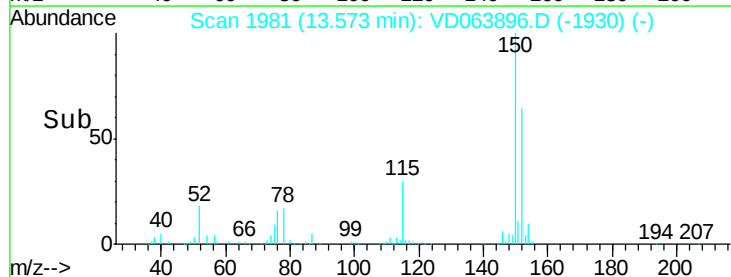
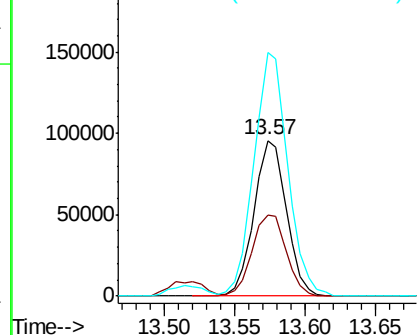
Lab File: VD063896.D

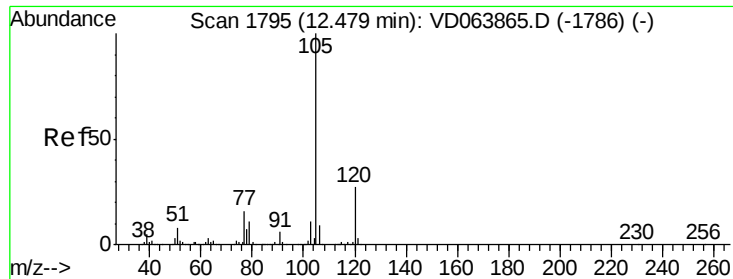
Acq: 07 Oct 2019 12:49

Tgt Ion:	152	Resp:	154652
Ion Ratio	Lower	Upper	
152	100		
115	54.9	25.9	77.7
150	163.7	0.0	344.2



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





#73

Isopropylbenzene

Concen: 21.165 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion:105 Resp: 220042

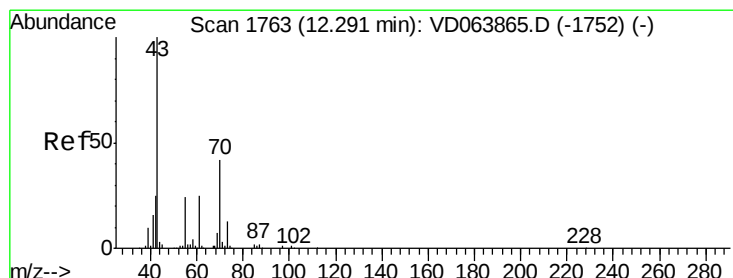
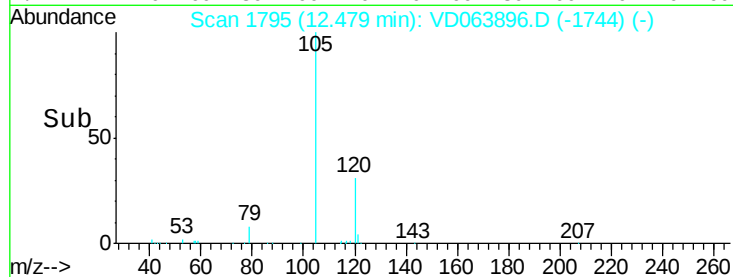
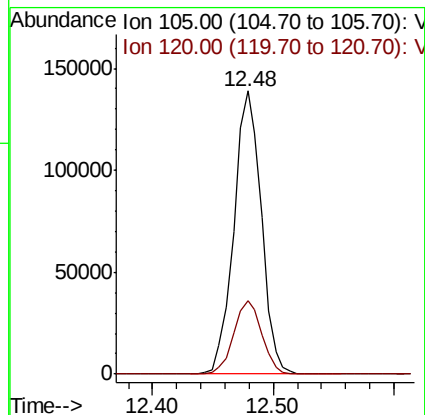
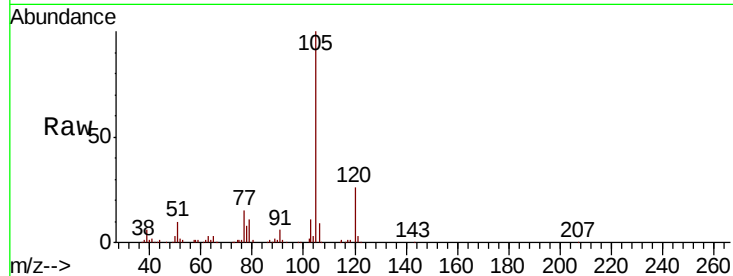
Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8

Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:46:04 PM



#74

N-ethyl acetate

Concen: 20.989 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Tgt Ion: 43 Resp: 46981

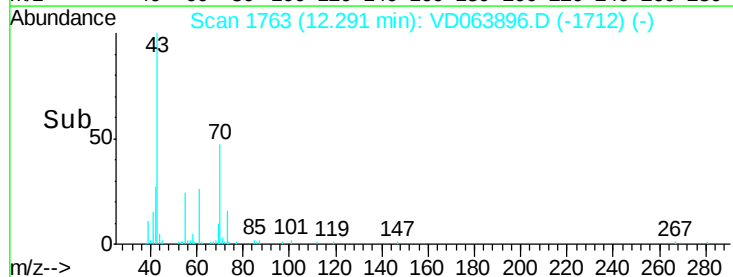
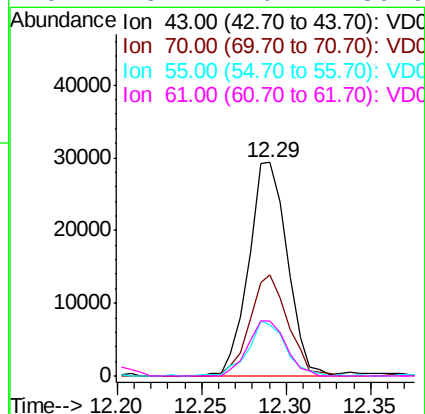
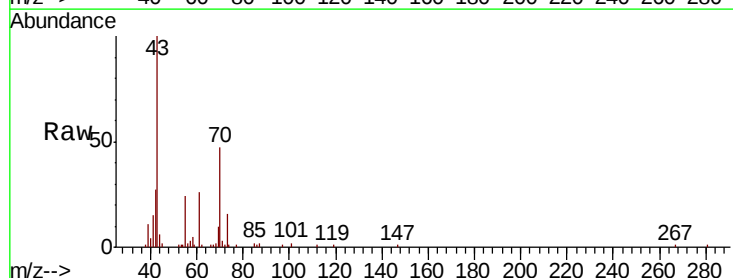
Ion Ratio Lower Upper

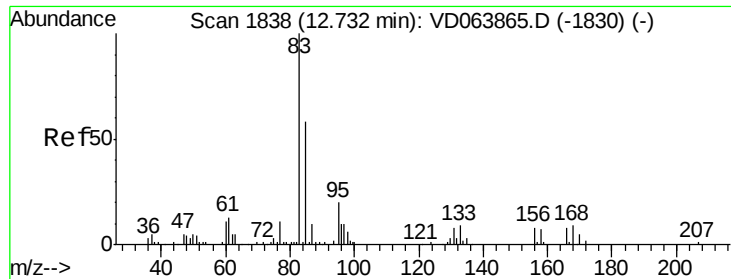
43 100

70 46.5 35.8 53.6

55 25.2 19.4 29.0

61 25.4 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.979 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

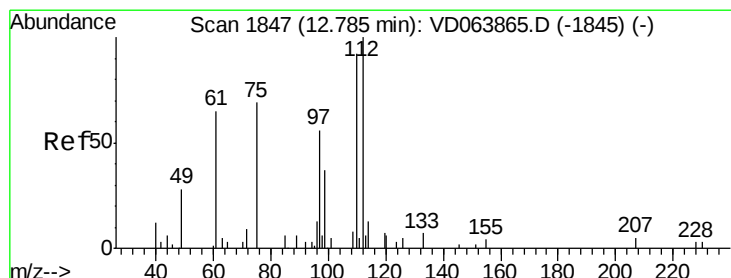
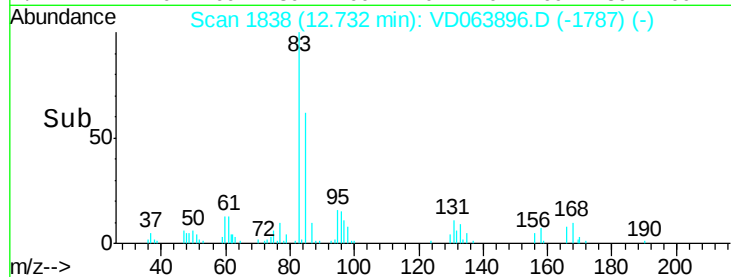
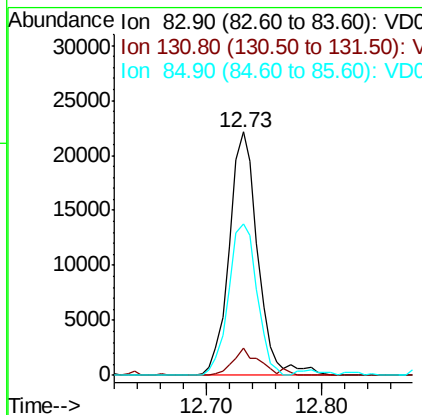
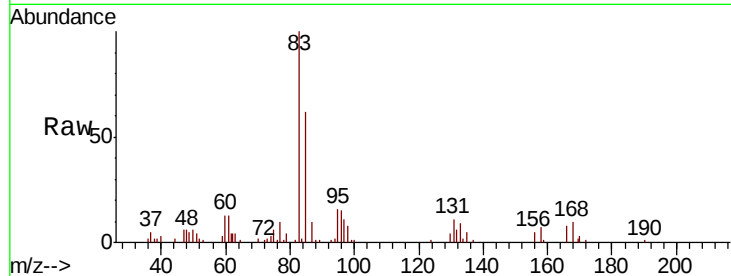
ClientSampleId :

VD1007SBS01

Tot Ion:	83	Resp:	37953
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.6	16.8
85	61.7	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:46:04 PM



#76

1,2,3-Trichloropropane

Concen: 28.789 ug/l m

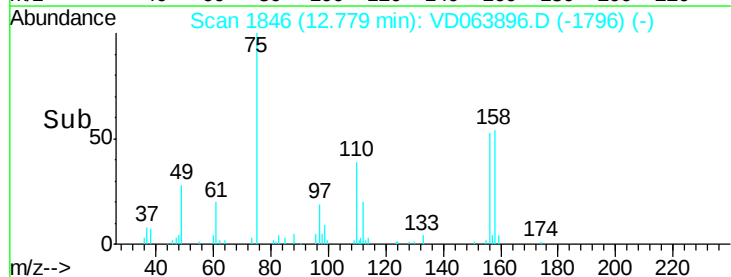
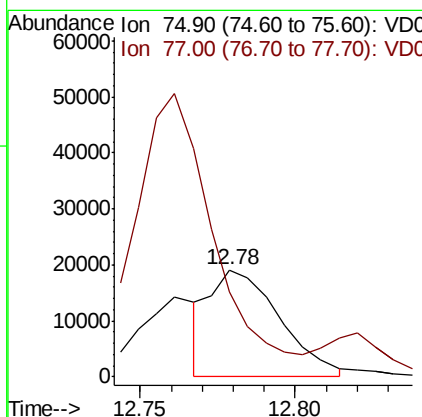
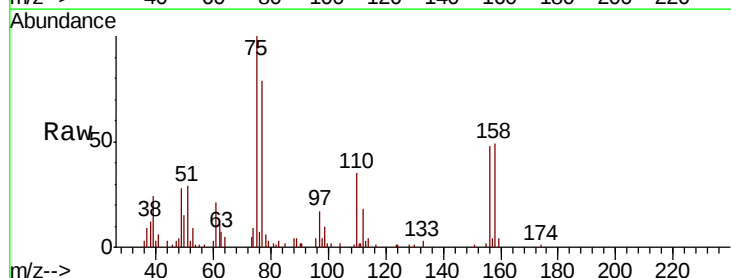
RT: 12.78 min Scan# 1846

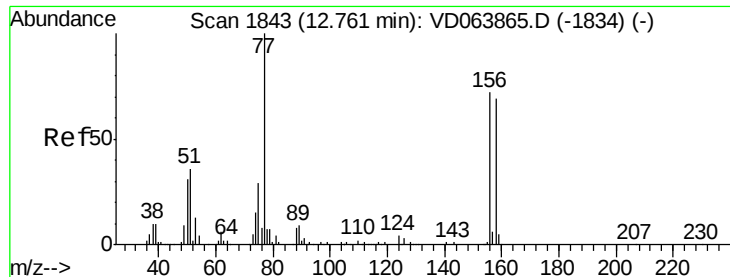
Delta R.T. -0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Tgt Ion:	75	Resp:	29820
Ion	Ratio	Lower	Upper
75	100		
77	306.2	0.0	0.0#





#77

Bromobenzene

Concen: 22.662 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion:156 Resp: 58700

Ion Ratio Lower Upper

156 100

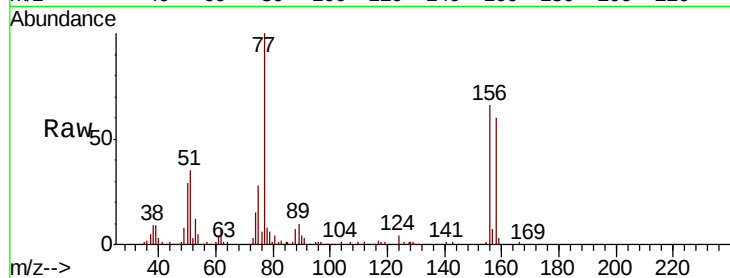
77 155.6 80.3 241.0

158 92.6 47.4 142.2

Manual Integrations
APPROVED

MMDadoda

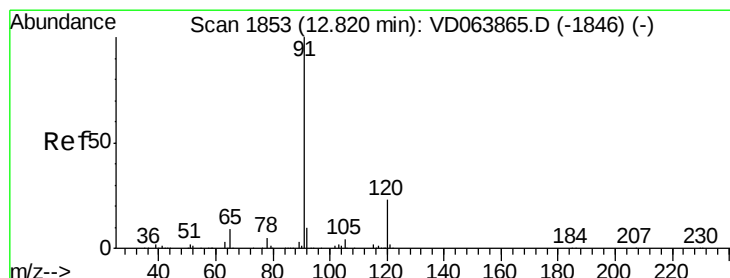
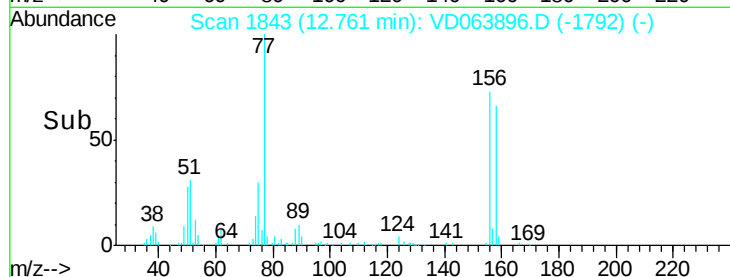
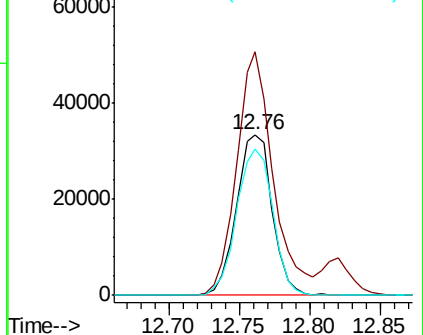
10/10/2019 1:46:04 PM



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: 21.817 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063896.D

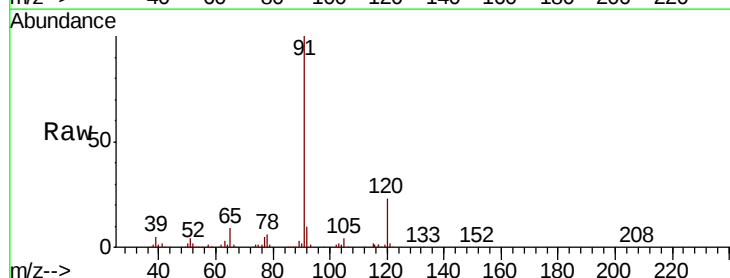
Acq: 07 Oct 2019 12:49

Tgt Ion: 91 Resp: 266234

Ion Ratio Lower Upper

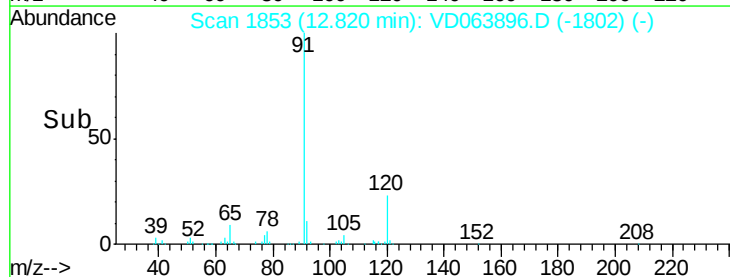
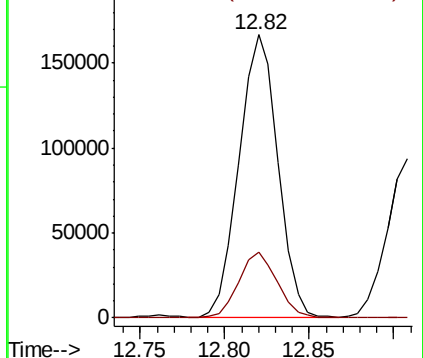
91 100

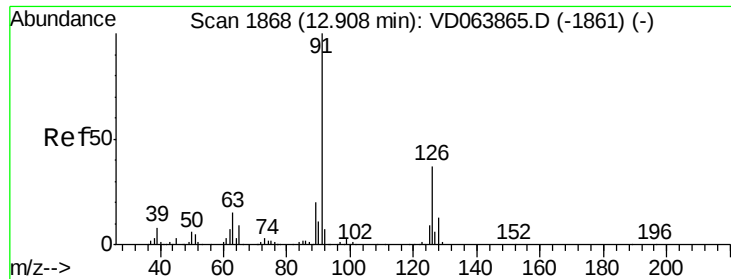
120 23.0 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.756 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 91 Resp: 146390

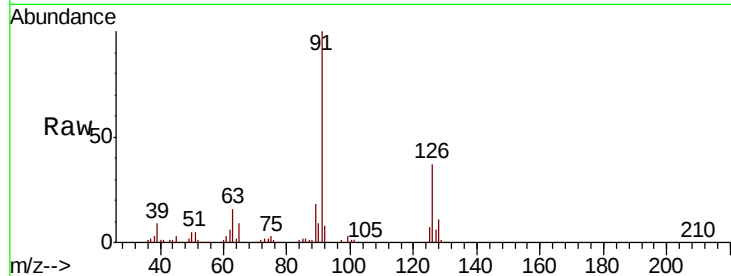
Ion Ratio Lower Upper

91 100

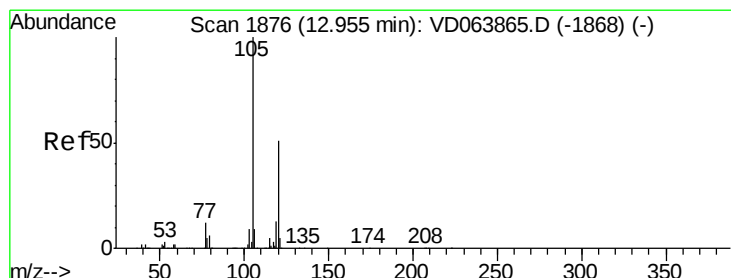
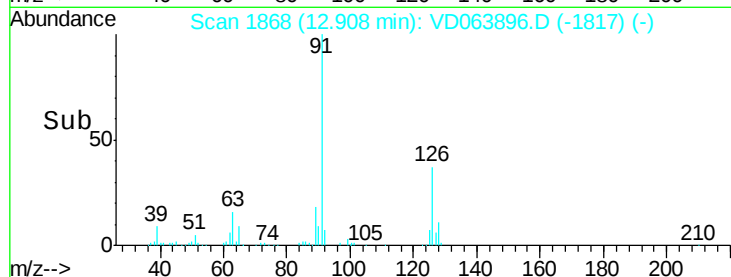
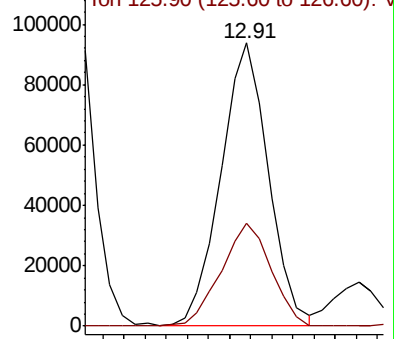
126 38.3 18.4 55.2

Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:46:04 PM



Abundance Ion 91.00 (90.70 to 91.70): VD063896.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.612 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063896.D

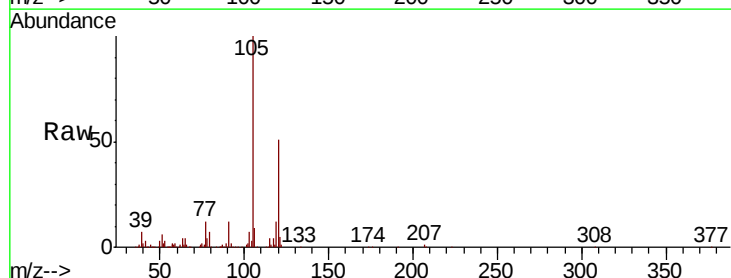
Acq: 07 Oct 2019 12:49

Tgt Ion: 105 Resp: 187450

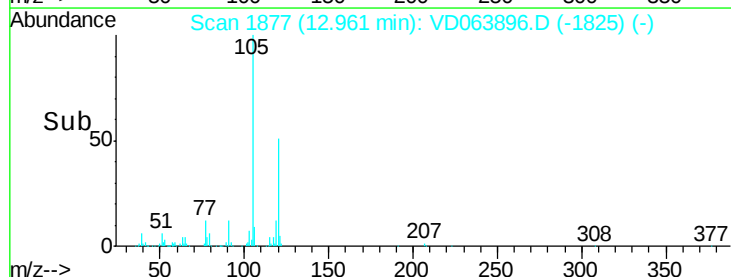
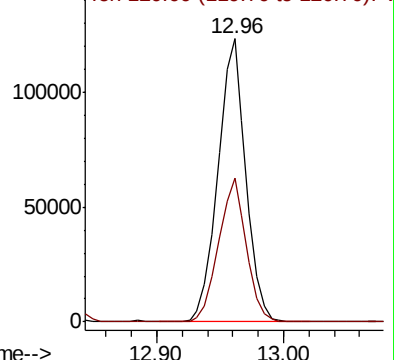
Ion Ratio Lower Upper

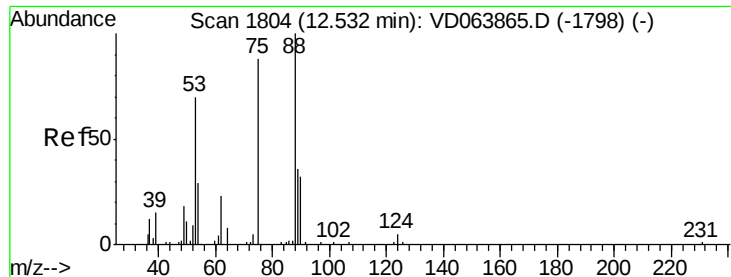
105 100

120 50.8 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): VD063896.D (-1825) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 23.238 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063896.D

Acq: 07 Oct 2019 12:49

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBSD01

Tot Ion: 75 Resp: 13602

Ion Ratio Lower Upper

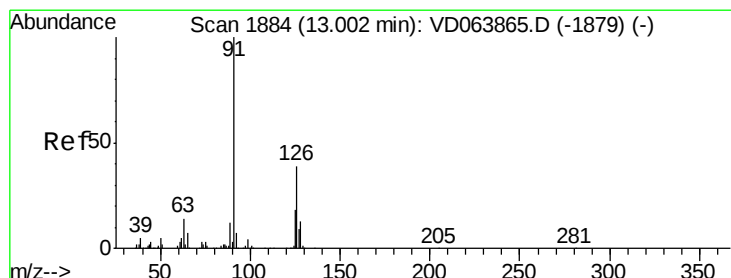
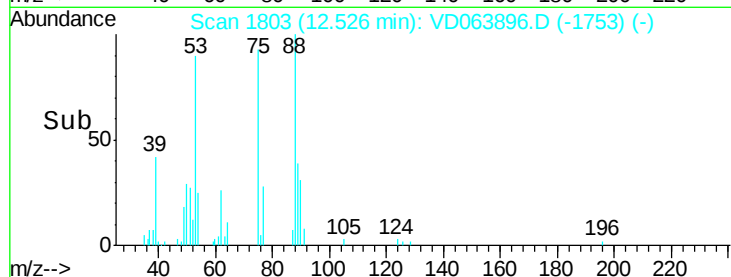
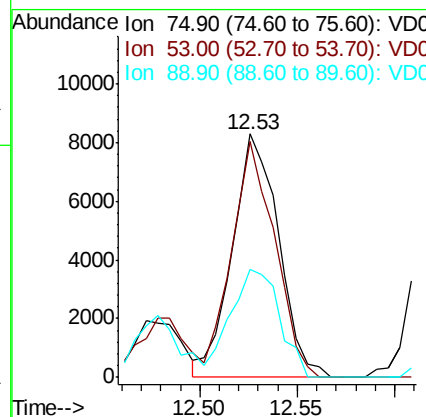
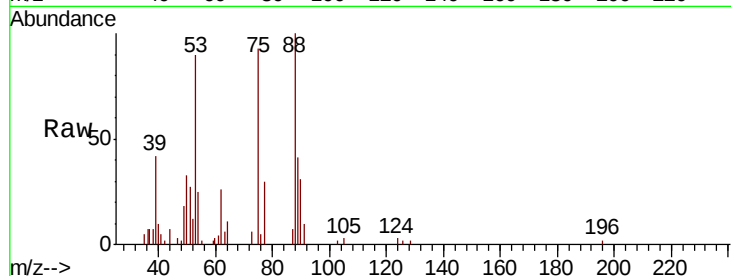
75 100

53 90.2 75.0 112.6

89 47.1 38.2 57.4

Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:46:04 PM



#82

4-Chlorotoluene

Concen: 21.502 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VD063896.D

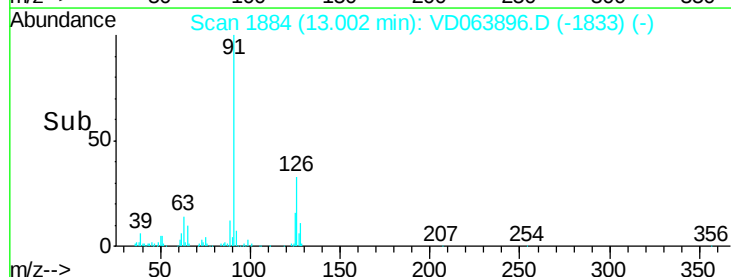
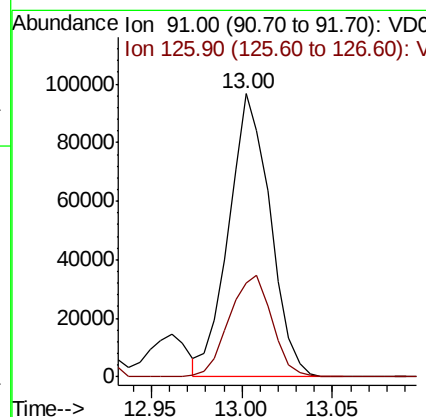
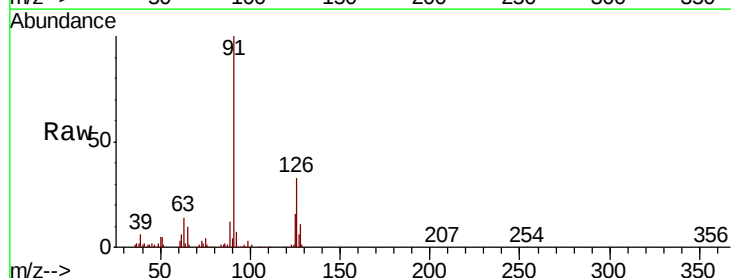
Acq: 07 Oct 2019 12:49

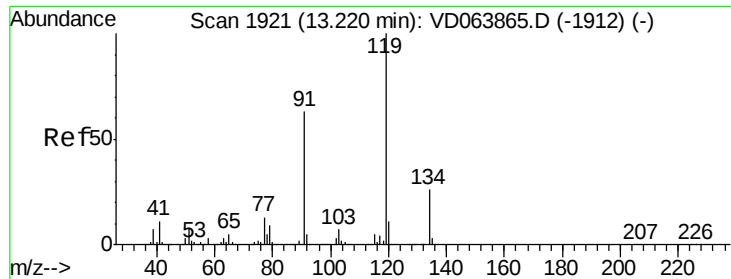
Tgt Ion: 91 Resp: 153479

Ion Ratio Lower Upper

91 100

126 37.0 18.6 55.8





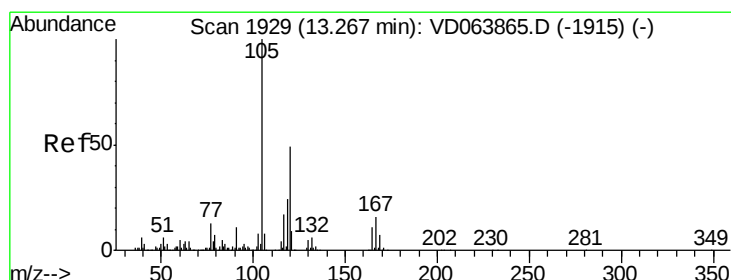
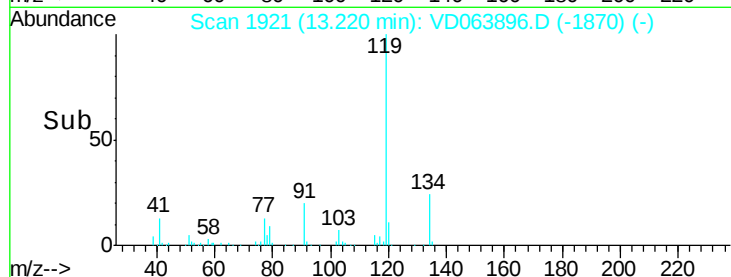
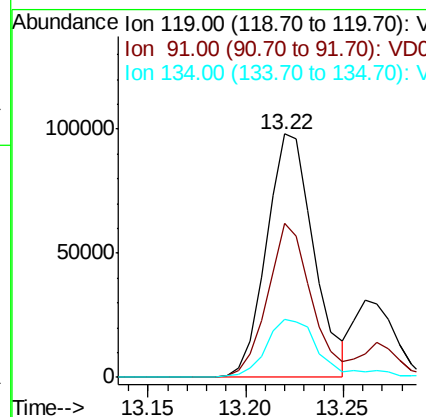
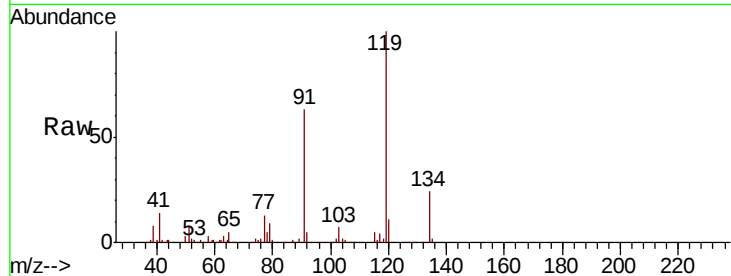
#83
tert-Butylbenzene
Concen: 21.262 ug/l
RT: 13.22 min Scan# 1921
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	58.4	30.0	90.0
134	27.4	13.0	38.9

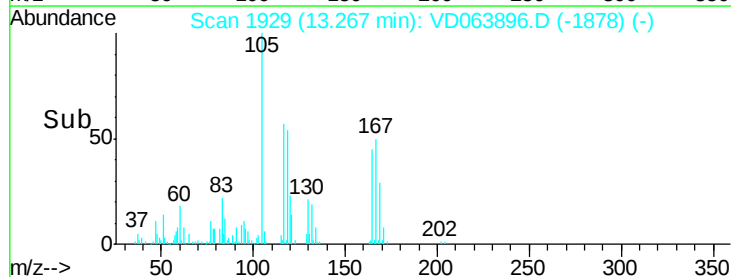
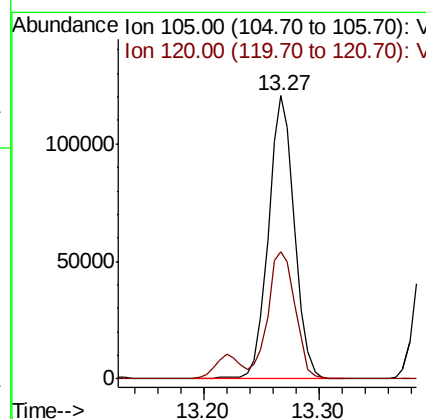
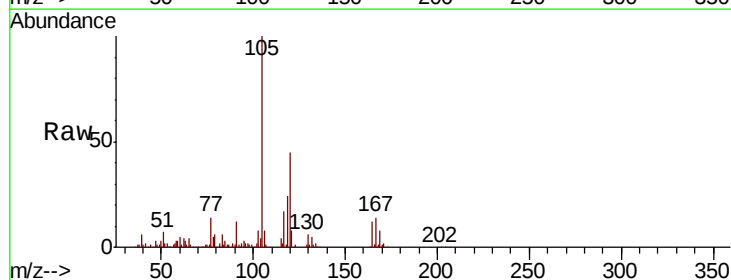
Manual Integrations
APPROVED

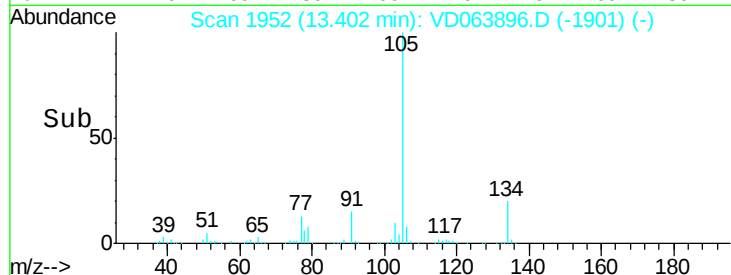
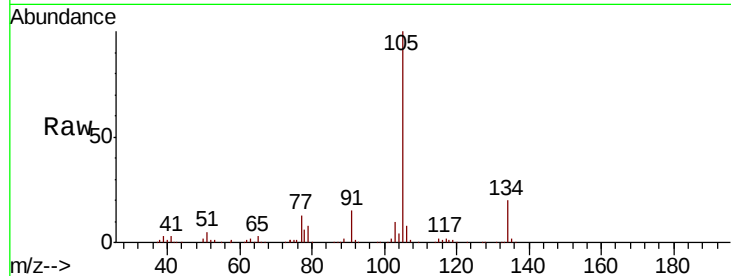
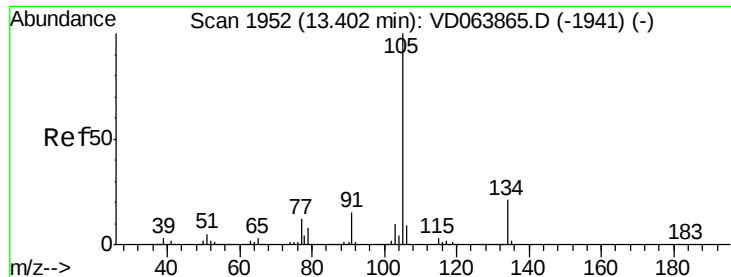
MMDadoda
10/10/2019 1:46:04 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.141 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.8	71.5





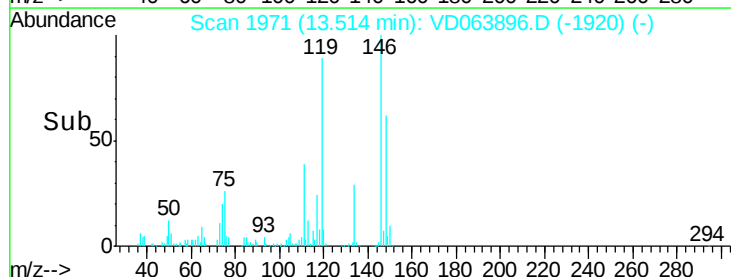
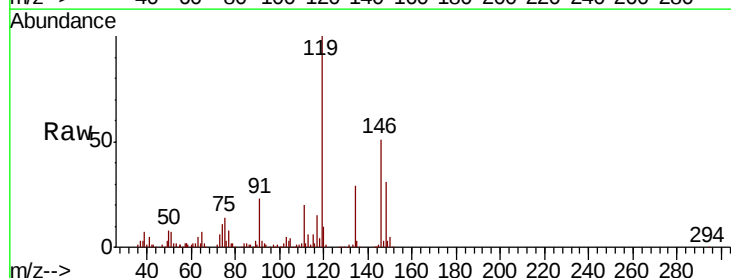
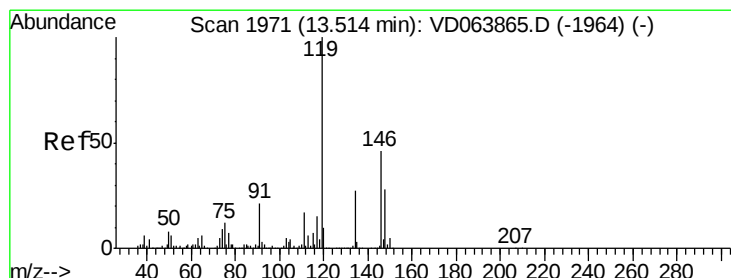
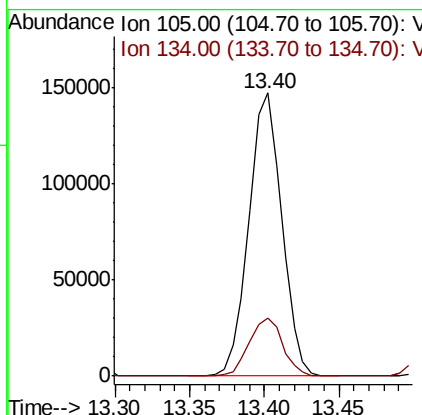
#85
 sec-Butylbenzene
 Concen: 21.575 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.6	31.8

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

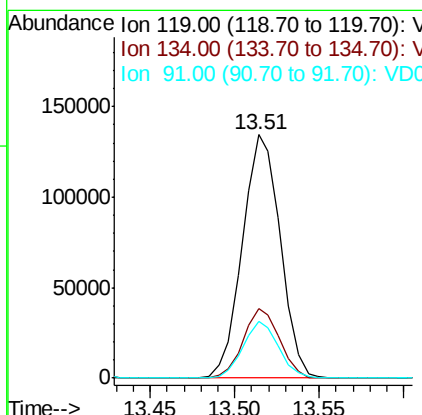
Manual Integrations
 APPROVED

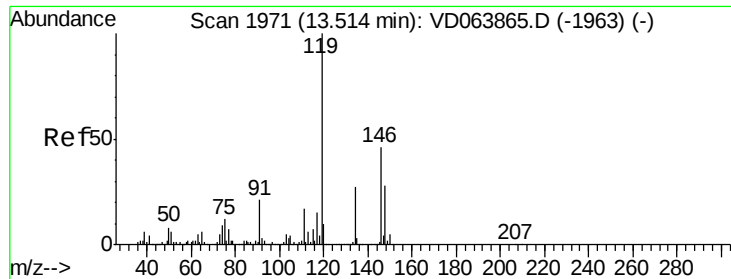
MMDadoda
 10/10/2019 1:46:04 PM



#86
 p-Isopropyltoluene
 Concen: 21.234 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.9	41.6
91	22.1	11.2	33.5





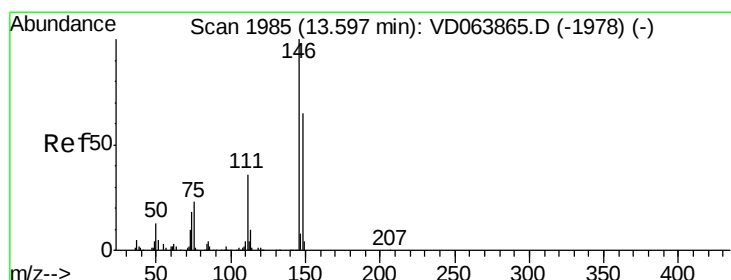
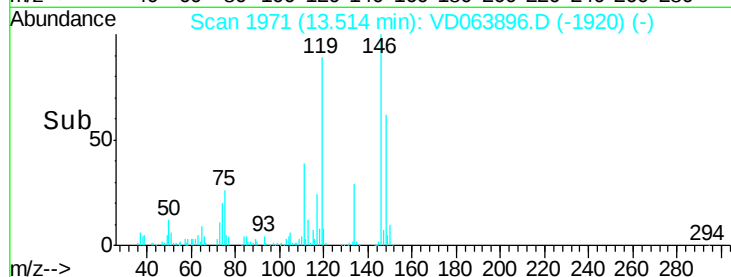
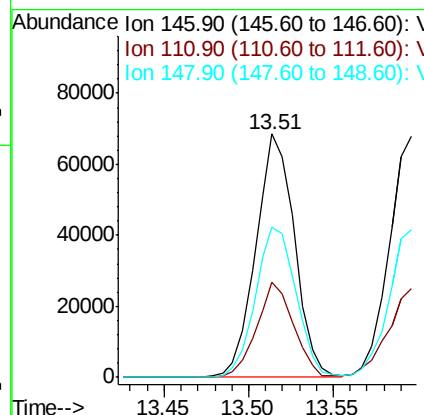
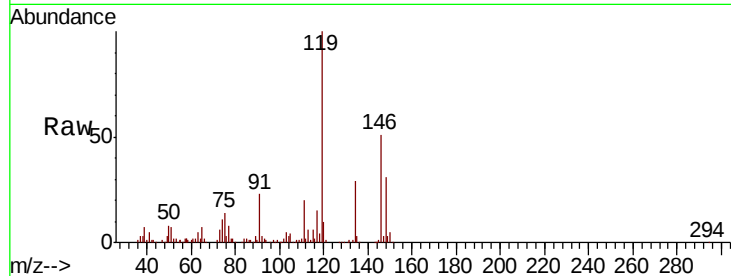
#87
 1,3-Dichlorobenzene
 Concen: 21.271 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.3	54.9
148	64.5	31.8	95.4

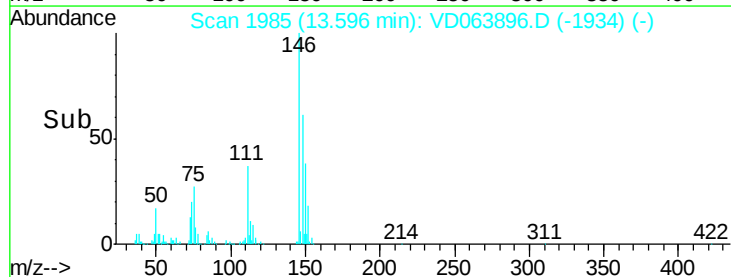
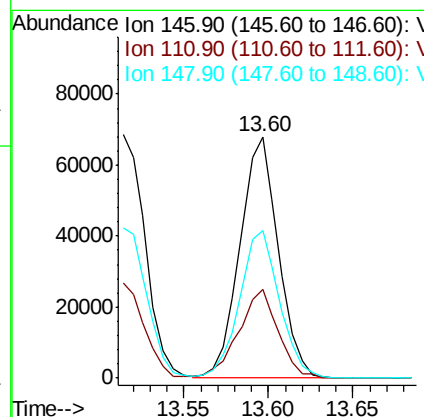
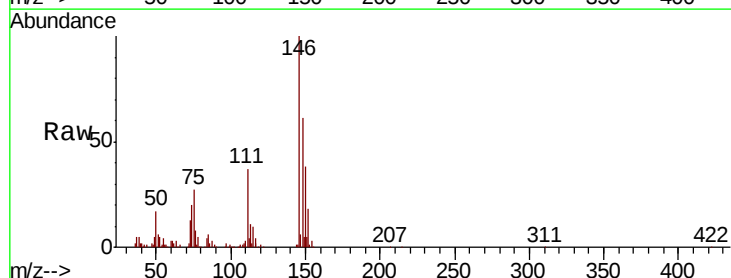
Manual Integrations
 APPROVED

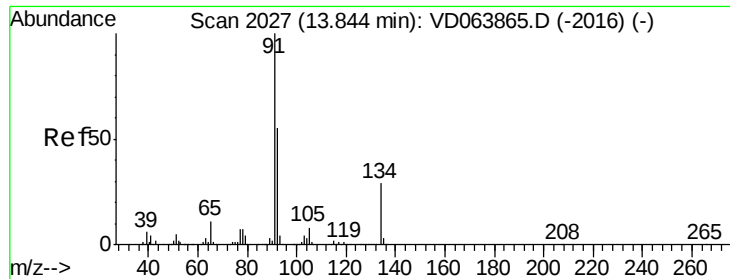
MMDadoda
 10/10/2019 1:46:04 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.318 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	56.0
148	63.5	32.6	98.0





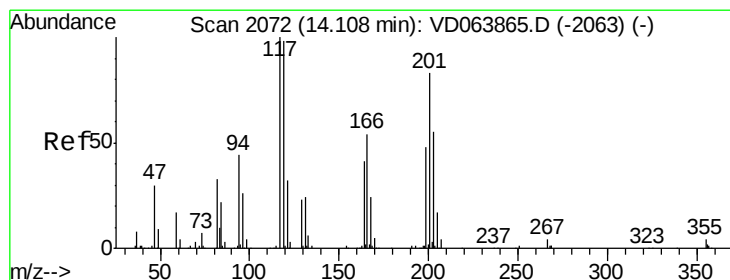
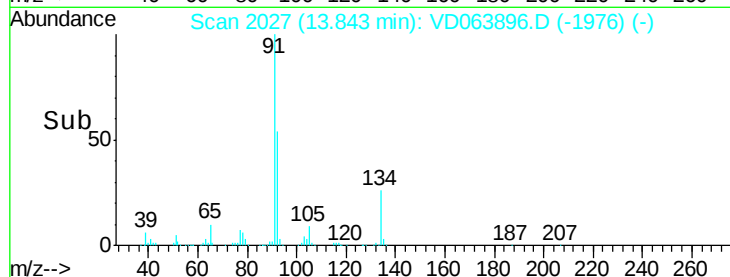
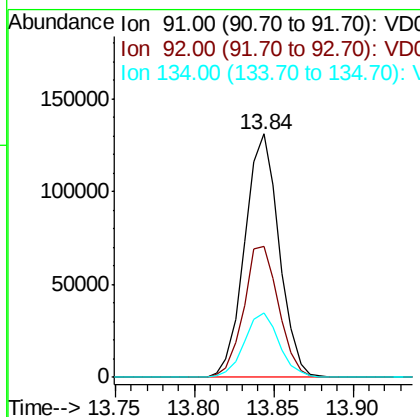
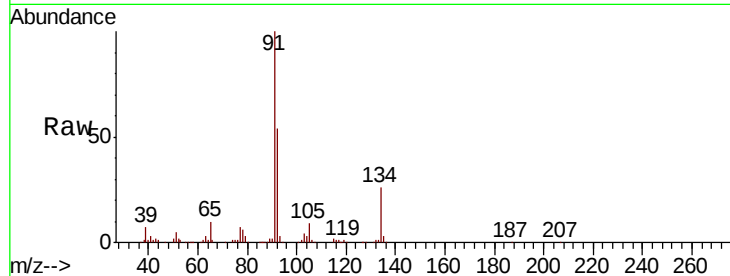
#89
n-Butylbenzene
Concen: 21.477 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	197200		
92	55.1	26.8	80.3	
134	26.8	14.4	43.0	

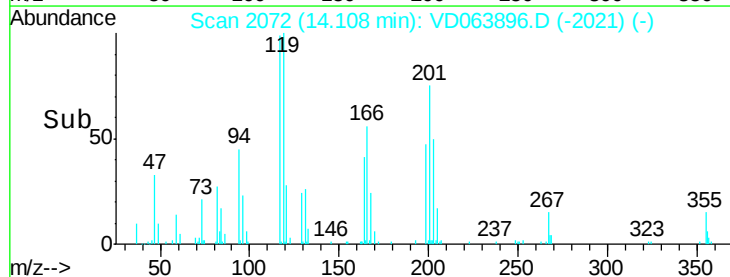
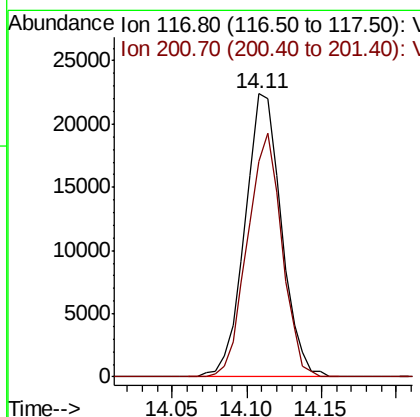
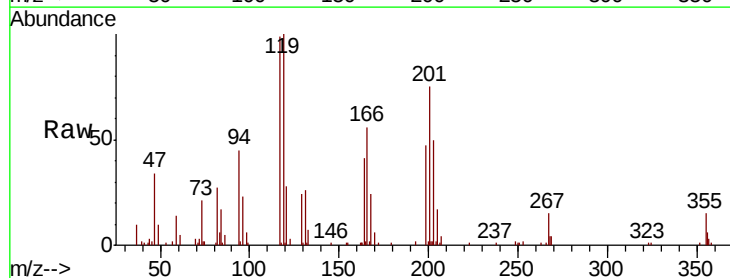
Manual Integrations
APPROVED

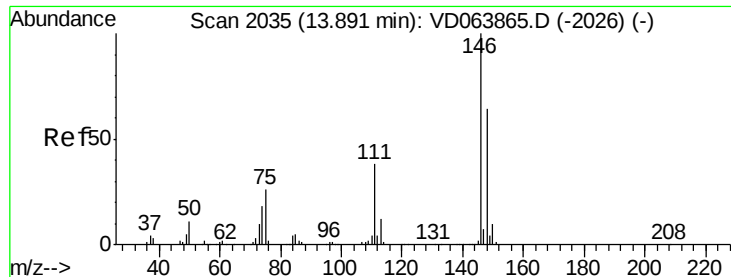
MMDadoda
10/10/2019 1:46:04 PM



#90
Hexachloroethane
Concen: 21.345 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37870		
201	81.1	40.6	121.7	





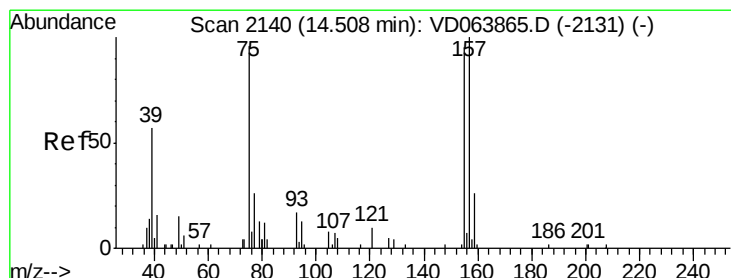
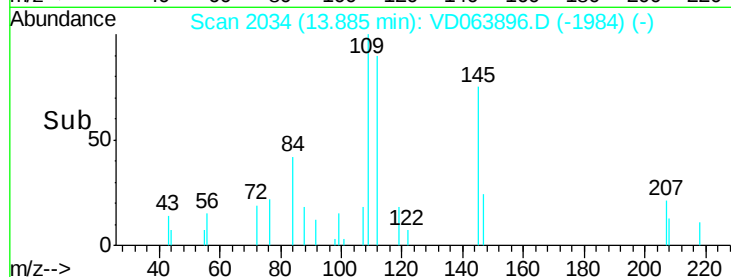
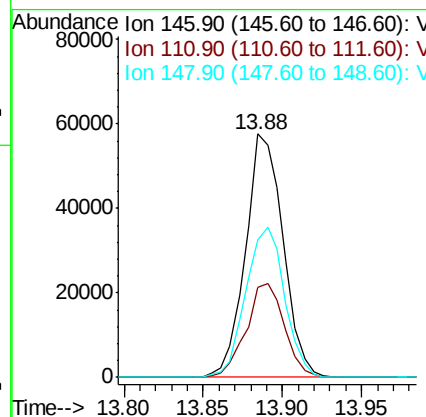
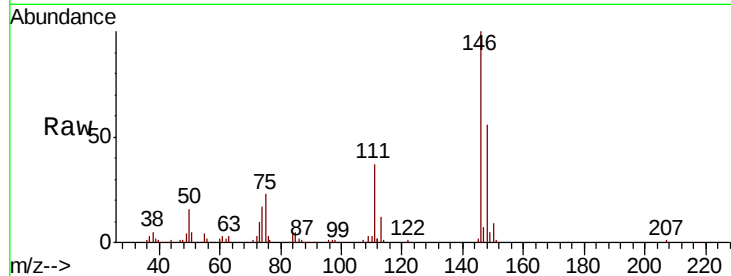
#91
 1,2-Dichlorobenzene
 Concen: 21.484 ug/l
 RT: 13.88 min Scan# 2034
 Delta R.T. -0.01 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	18.6	55.6
148	63.8	31.6	95.0

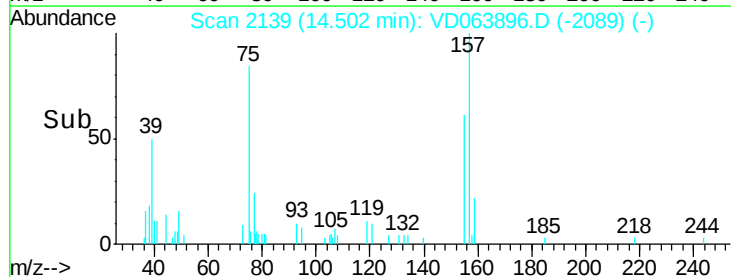
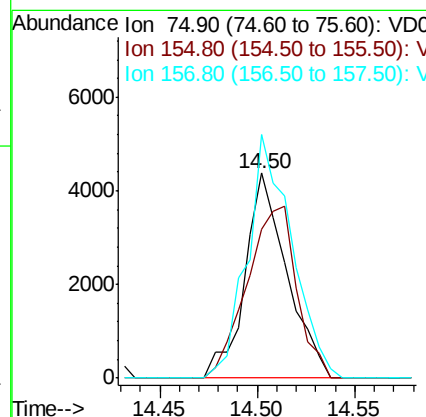
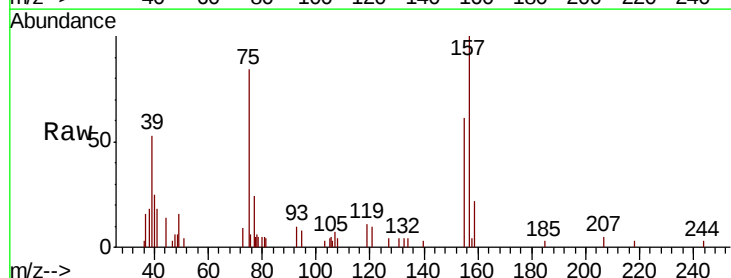
Manual Integrations
 APPROVED

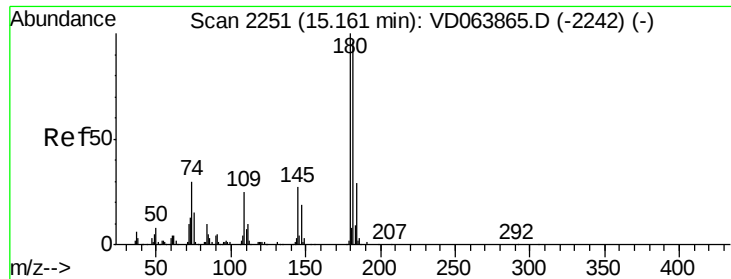
MMDadoda
 10/10/2019 1:46:04 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.814 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.1	43.9	131.6
157	125.9	56.0	167.9





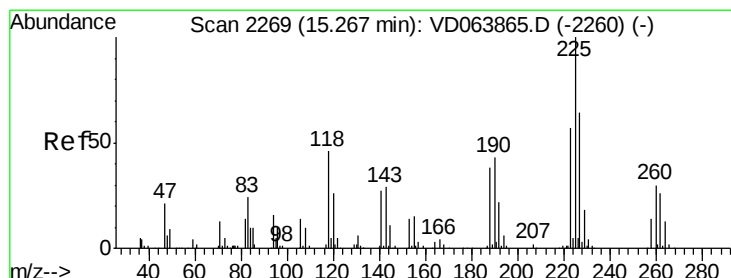
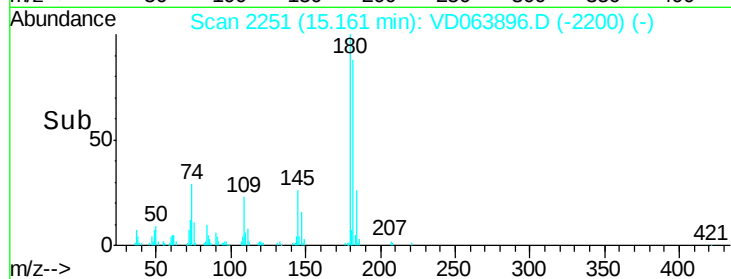
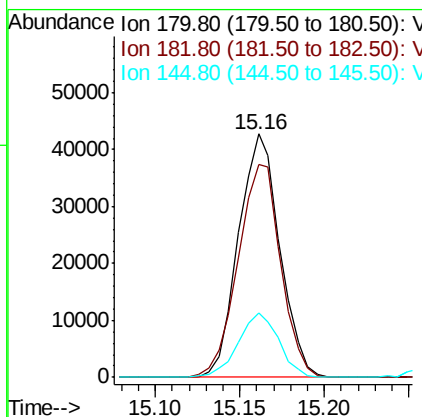
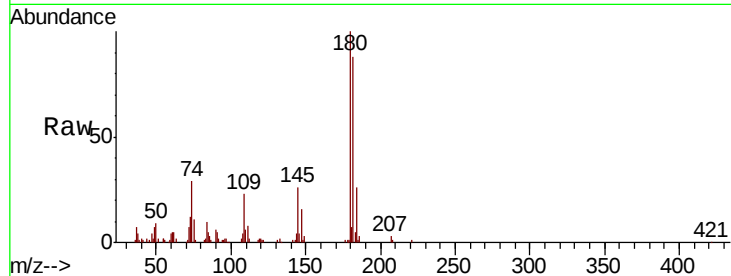
#93
 1,2,4-Trichlorobenzene
 Concen: 21.266 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.8	47.4	142.3
145	26.1	13.9	41.7

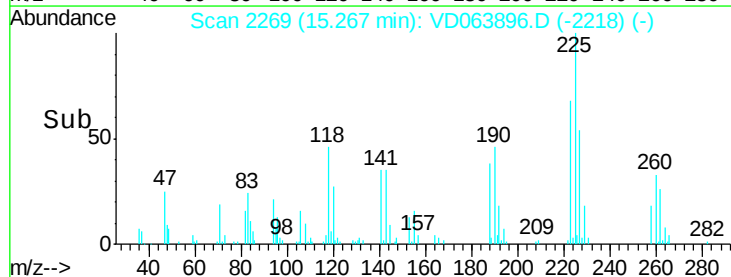
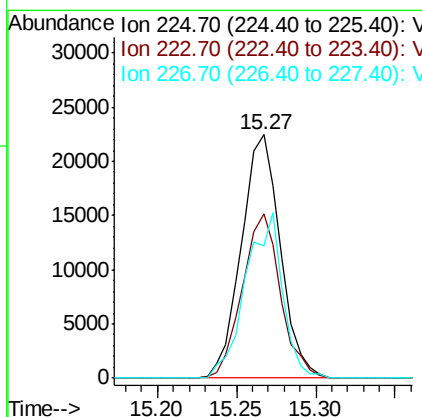
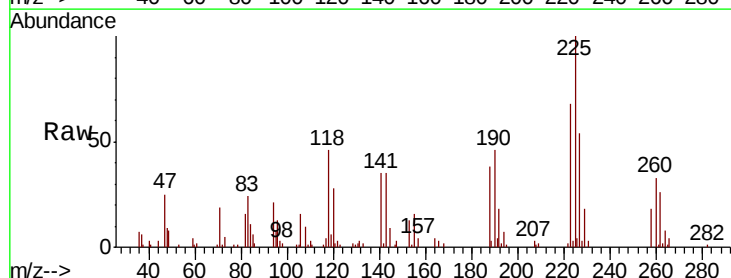
Manual Integrations
 APPROVED

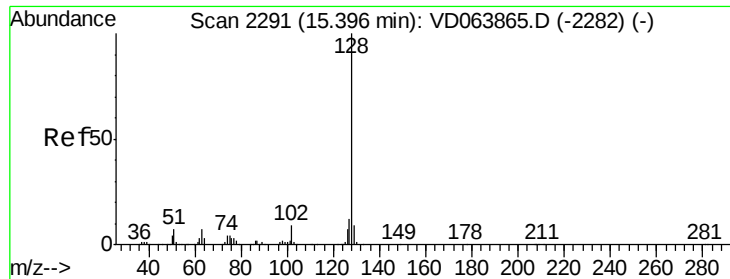
MMDadoda
 10/10/2019 1:46:04 PM



#94
 Hexachlorobutadiene
 Concen: 20.452 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063896.D
 Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	66.0	29.5	88.6
227	64.1	30.8	92.4





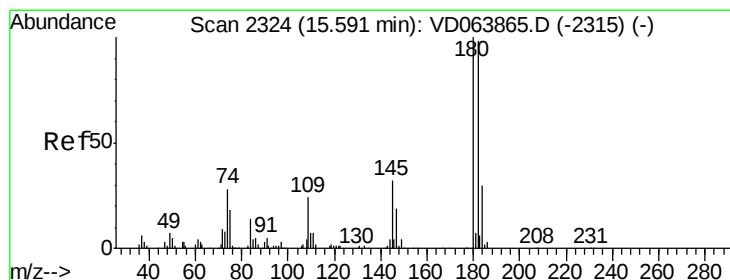
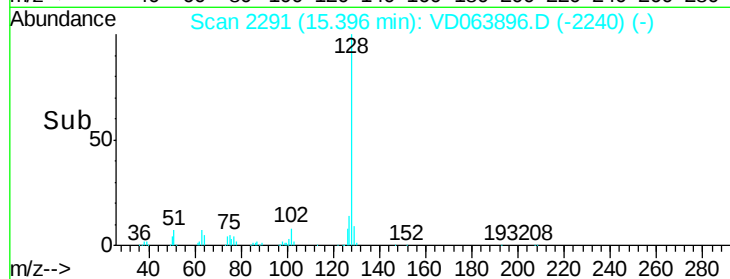
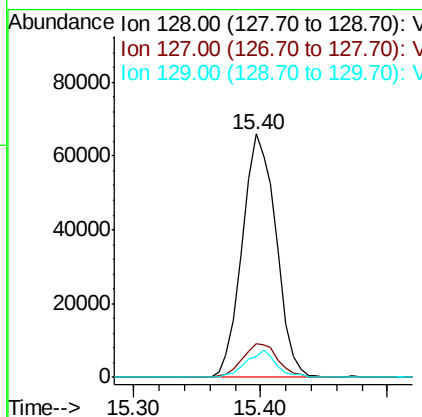
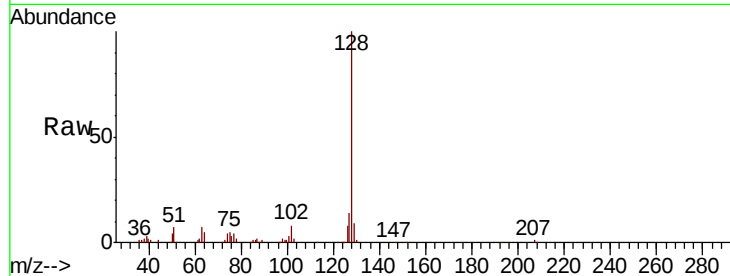
#95
Naphthalene
Concen: 21.354 ug/l
RT: 15.40 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.6	16.0
129	9.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:46:04 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.133 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063896.D
Acq: 07 Oct 2019 12:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.0	141.0
145	30.5	15.3	45.9

