

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063966.D
 Acq On : 15 Oct 2019 12:30
 Operator : VA/SY
 Sample : VD1015SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:41:44 AM

Quant Time: Oct 16 02:27:10 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	190615	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	305300	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	292667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	151496	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	90837	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	
35) Dibromofluoromethane	7.92	113	92796	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
50) Toluene-d8	10.34	98	394521	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
62) 4-Bromofluorobenzene	12.63	95	123903	47.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	27895	20.636	ug/l	94
3) Chloromethane	2.21	50	77639	18.503	ug/l	99
4) Vinyl Chloride	2.35	62	95487	21.855	ug/l	95
5) Bromomethane	2.76	94	61048	21.734	ug/l	90
6) Chloroethane	2.93	64	60753	21.026	ug/l	98
7) Trichlorofluoromethane	3.27	101	132532	22.943	ug/l	100
8) Diethyl Ether	3.70	74	16649	17.957	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	35664	22.304	ug/l	94
10) Methyl Iodide	4.30	142	42131	19.122	ug/l	98
11) Tert butyl alcohol	5.26	59	13455m	99.536	ug/l	
12) 1,1-Dichloroethene	4.06	96	33732	21.115	ug/l	97
13) Acrolein	3.93	56	11755	70.921	ug/l	98
14) Allyl chloride	4.70	41	52065	19.603	ug/l	98
15) Acrylonitrile	5.43	53	40543	99.182	ug/l	98
16) Acetone	4.17	43	39864	82.507	ug/l	99
17) Carbon Disulfide	4.41	76	110474	19.024	ug/l	98
18) Methyl Acetate	4.73	43	19563	20.701	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	75821	18.329	ug/l	96
20) Methylene Chloride	4.97	84	47990	20.616	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	40550	20.390	ug/l	94
22) Diisopropyl ether	6.37	45	106822	19.693	ug/l	98
23) Vinyl Acetate	6.31	43	312058	96.706	ug/l	99
24) 1,1-Dichloroethane	6.27	63	69084	20.677	ug/l	96
25) 2-Butanone	7.22	43	51962	90.748	ug/l	99
26) 2,2-Dichloropropane	7.21	77	62451	20.663	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	43810	19.463	ug/l	99
28) Bromochloromethane	7.56	49	20938	17.733	ug/l	100
29) Tetrahydrofuran	7.57	42	31724	94.921	ug/l	96
30) Chloroform	7.71	83	73431	20.235	ug/l	99
31) Cyclohexane	7.98	56	67254	22.121	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	65684	21.101	ug/l	99
36) 1,1-Dichloropropene	8.11	75	58650	21.011	ug/l	98
37) Ethyl Acetate	7.30	43	21202	16.250	ug/l #	92
38) Carbon Tetrachloride	8.10	117	59189	20.983	ug/l #	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	73358	21.373	ug/l	92
40) Benzene	8.35	78	165265	20.660	ug/l	99
41) Methacrylonitrile	7.53	41	14213	21.961	ug/l #	80
42) 1,2-Dichloroethane	8.43	62	44981	19.439	ug/l	100
43) Isopropyl Acetate	8.47	43	43015	18.375	ug/l	98
44) Trichloroethene	9.12	130	47311	20.510	ug/l	100
45) 1,2-Dichloropropane	9.39	63	38585	19.707	ug/l	92
46) Dibromomethane	9.47	93	20530	18.411	ug/l	89
47) Bromodichloromethane	9.67	83	56335	19.622	ug/l	98
48) Methyl methacrylate	9.46	41	21686	19.334	ug/l #	89
49) 1,4-Dioxane	9.46	88	5663	372.053	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	116297	95.789	ug/l	98
52) Toluene	10.40	92	113304	20.633	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	51456	18.367	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	60482	18.755	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	30727	19.516	ug/l	95
56) Ethyl methacrylate	10.67	69	35921	18.016	ug/l	98
57) 1,3-Dichloropropane	10.95	76	51739	19.206	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	80226	93.610	ug/l	100
59) 2-Hexanone	10.98	43	79626	90.666	ug/l	99
60) Dibromochloromethane	11.14	129	38211	18.641	ug/l	98
61) 1,2-Dibromoethane	11.25	107	29602	19.394	ug/l	97
64) Tetrachloroethene	10.88	164	42940	21.492	ug/l	89
65) Chlorobenzene	11.67	112	121963	20.751	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	43731	20.192	ug/l	97
67) Ethyl Benzene	11.75	91	218323	20.600	ug/l	99
68) m/p-Xylenes	11.85	106	170253	41.619	ug/l	97
69) o-Xylene	12.18	106	79478	20.290	ug/l	96
70) Styrene	12.20	104	134974	20.355	ug/l	99
71) Bromoform	12.36	173	24213	20.832	ug/l #	98
73) Isopropylbenzene	12.48	105	219096	21.513	ug/l	99
74) N-amyl acetate	12.29	43	39728	18.118	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	36136	20.390	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	29487m	29.060	ug/l	
77) Bromobenzene	12.76	156	54108	21.325	ug/l	98
78) n-propylbenzene	12.82	91	260346	21.779	ug/l	99
79) 2-Chlorotoluene	12.91	91	144767	21.963	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	182591	21.490	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	10238	17.855	ug/l	94
82) 4-Chlorotoluene	13.01	91	144948	20.729	ug/l	99
83) tert-Butylbenzene	13.23	119	158383	20.945	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	181421	20.712	ug/l	99
85) sec-Butylbenzene	13.40	105	226646	22.194	ug/l	99
86) p-Isopropyltoluene	13.52	119	208821	21.610	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	105537	21.050	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	102980	20.821	ug/l	98
89) n-Butylbenzene	13.84	91	202260	22.487	ug/l	96
90) Hexachloroethane	14.11	117	37011	21.296	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	93478	21.636	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6353	21.680	ug/l	97

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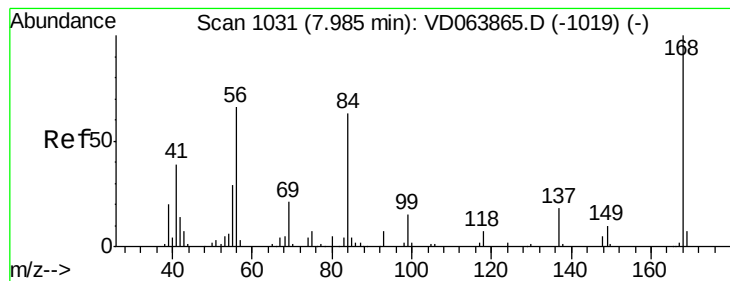
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	62275	18.680	ug/l	89
94) Hexachlorobutadiene	15.27	225	40203	21.853	ug/l	98
95) Naphthalene	15.40	128	111667	19.929	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	58101	20.200	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion:168 Resp: 190615

Ion Ratio Lower Upper

168 100

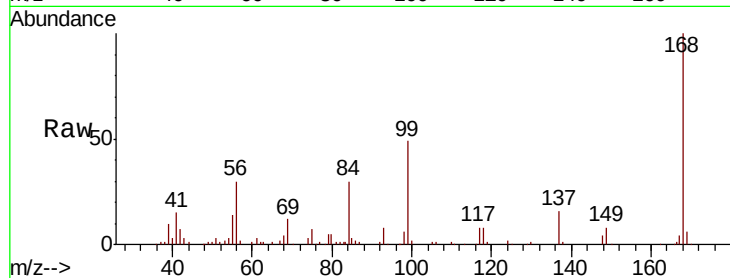
99 49.0 43.0 64.4

Manual Integrations

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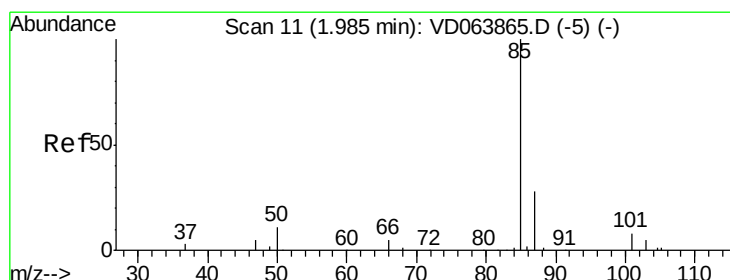
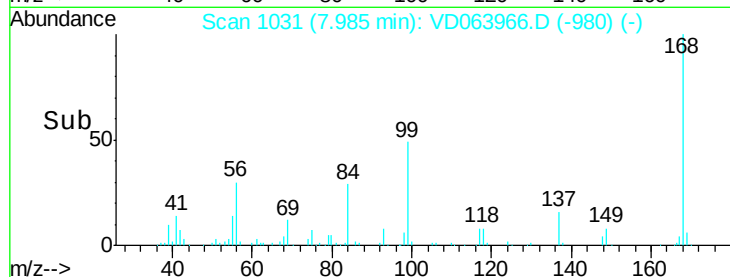
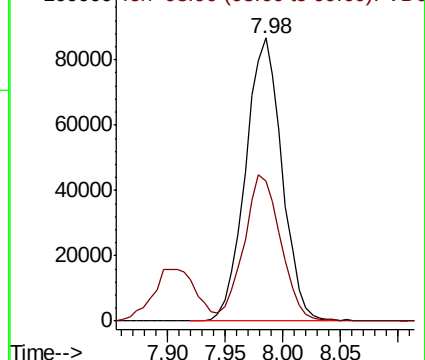
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.636 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063966.D

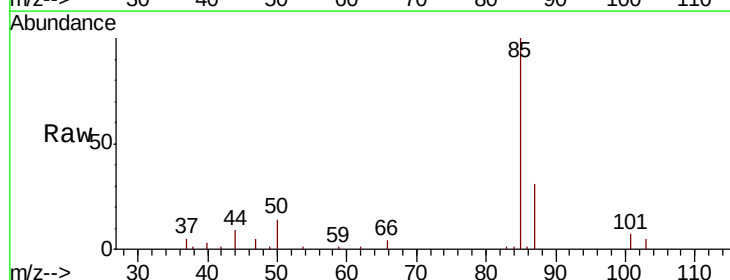
Acq: 15 Oct 2019 12:30

Tgt Ion: 85 Resp: 27895

Ion Ratio Lower Upper

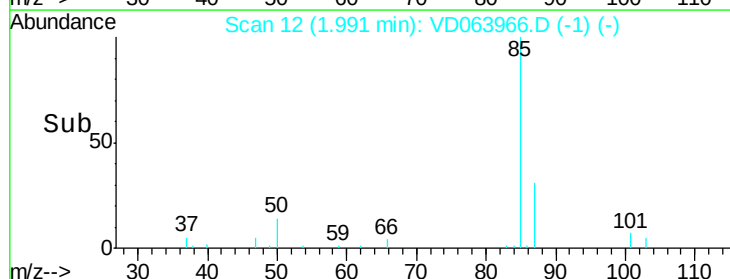
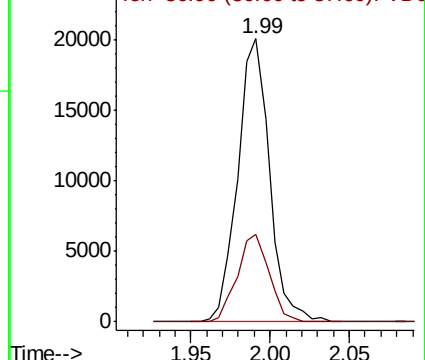
85 100

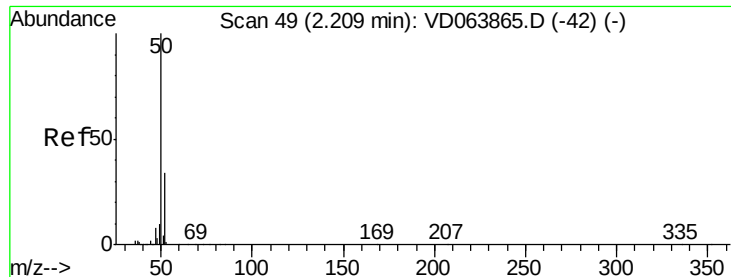
87 31.0 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.503 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 50 Resp: 77639

Ion Ratio Lower Upper

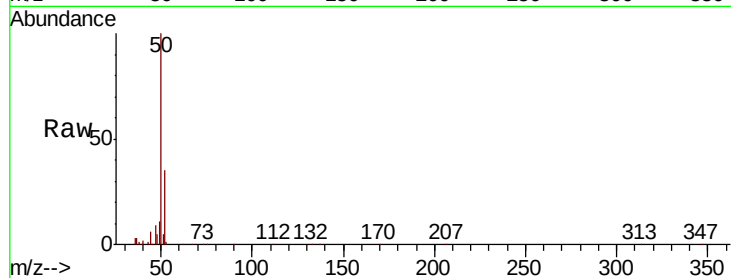
50 100

52 34.8 27.5 41.3

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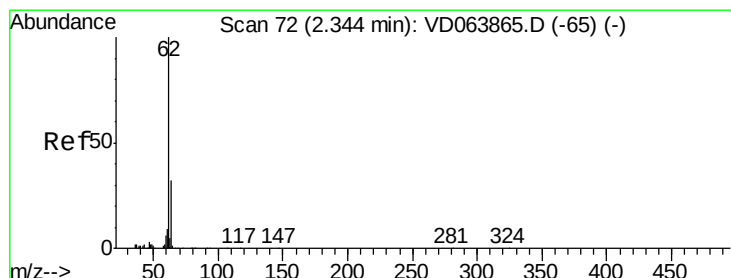
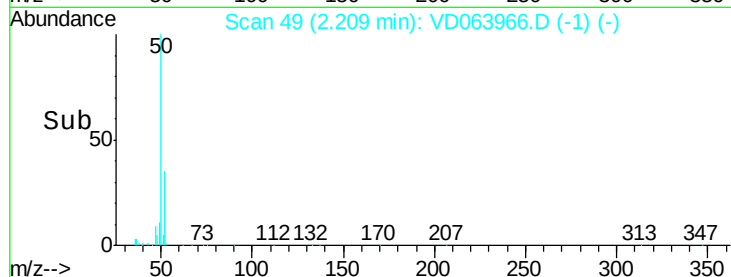
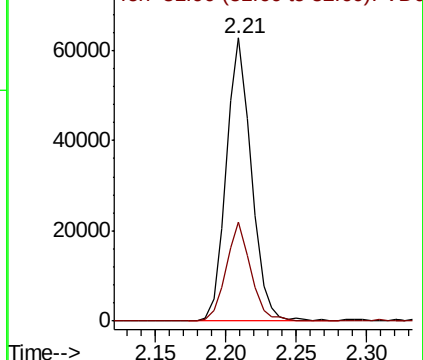
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.855 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063966.D

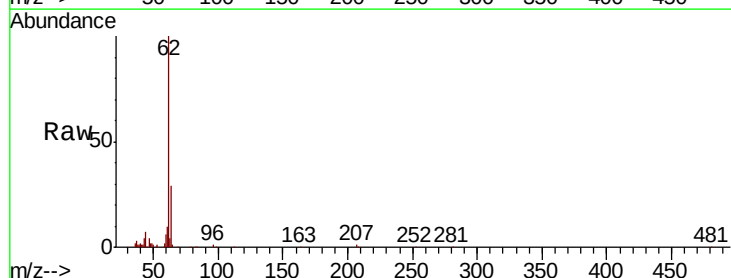
Acq: 15 Oct 2019 12:30

Tgt Ion: 62 Resp: 95487

Ion Ratio Lower Upper

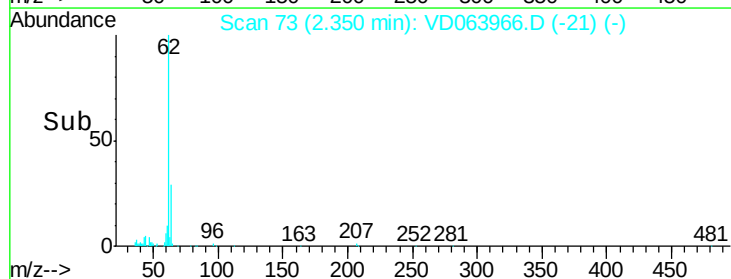
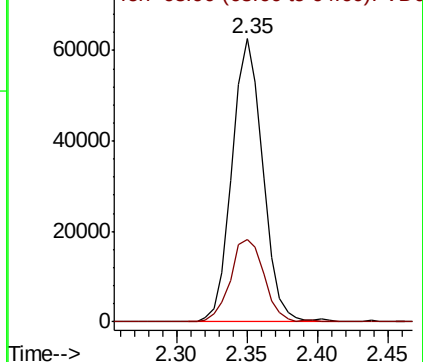
62 100

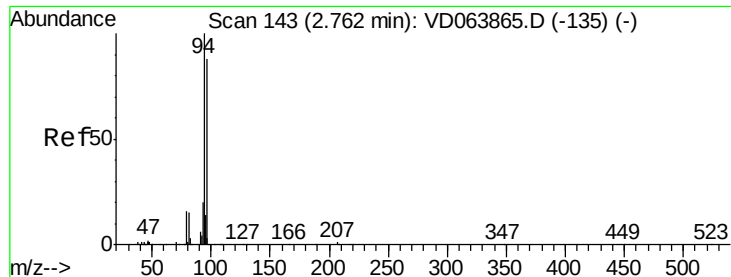
64 29.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.734 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 94 Resp: 61048

Ion Ratio Lower Upper

94 100

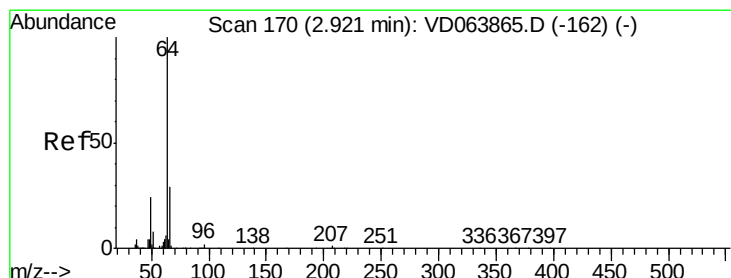
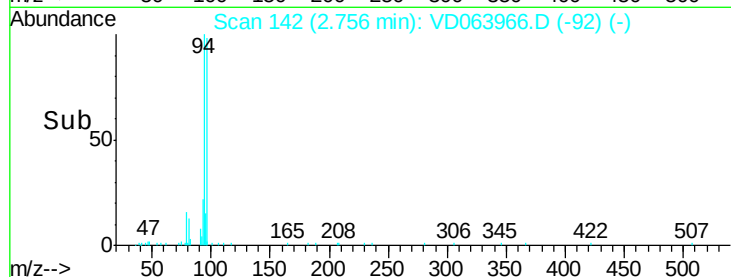
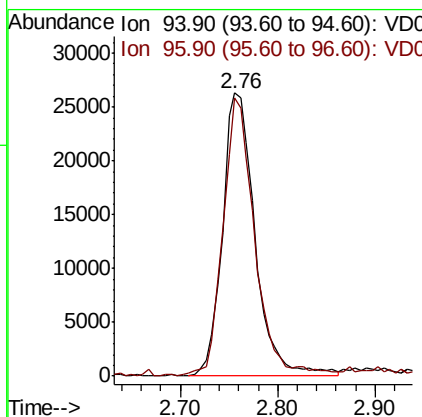
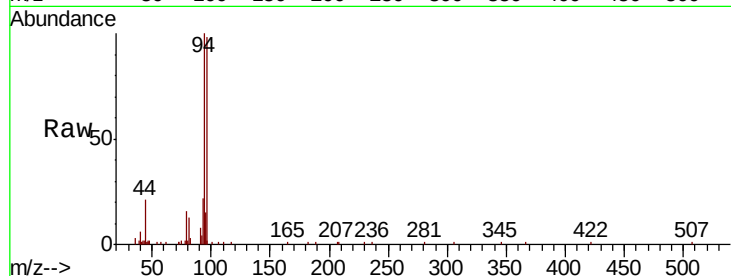
96 97.6 70.8 106.2

Manual Integrations

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#6

Chloroethane

Concen: 21.026 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063966.D

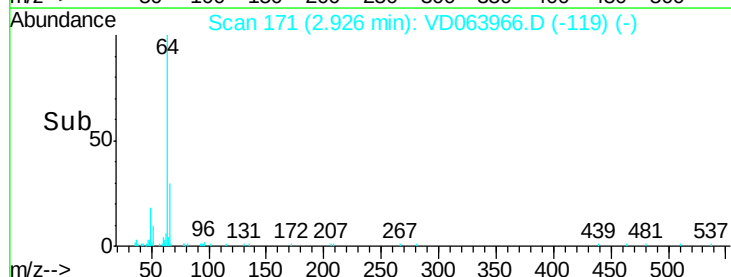
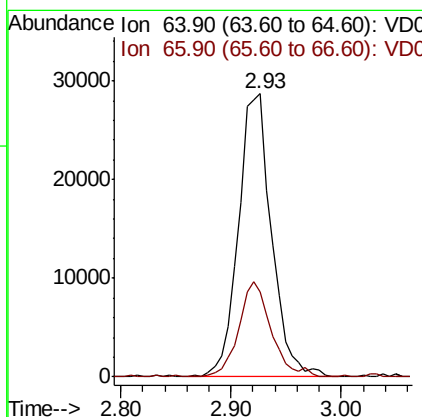
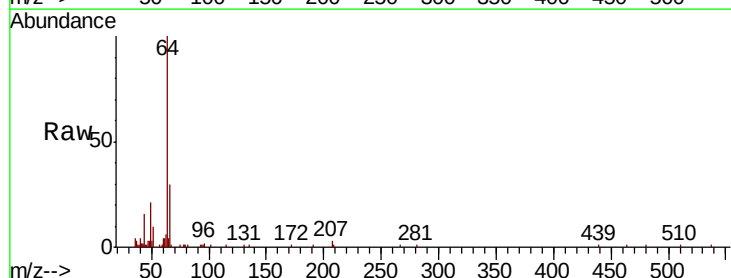
Acq: 15 Oct 2019 12:30

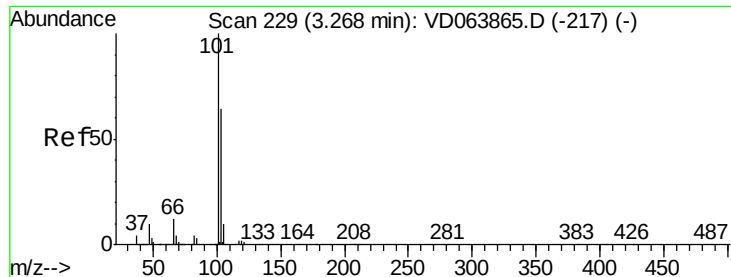
Tgt Ion: 64 Resp: 60753

Ion Ratio Lower Upper

64 100

66 29.8 23.0 34.4





#7

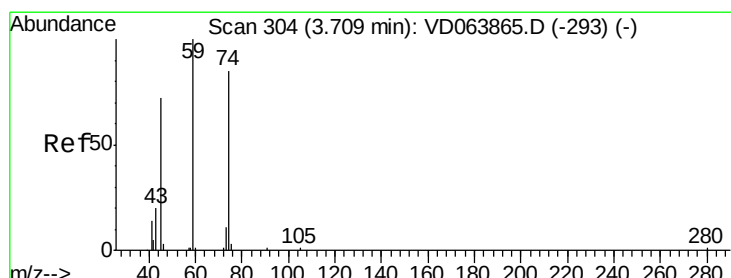
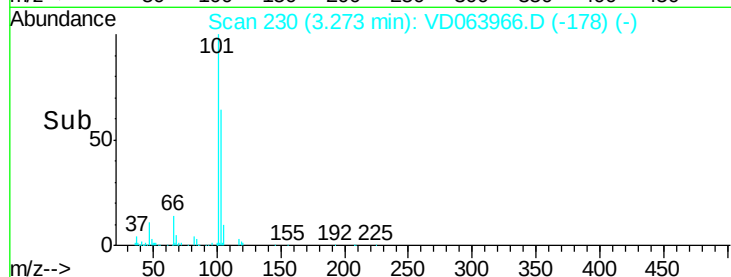
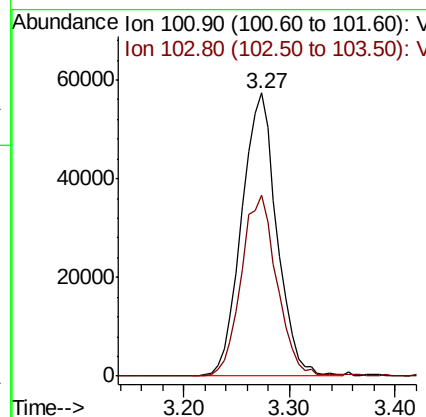
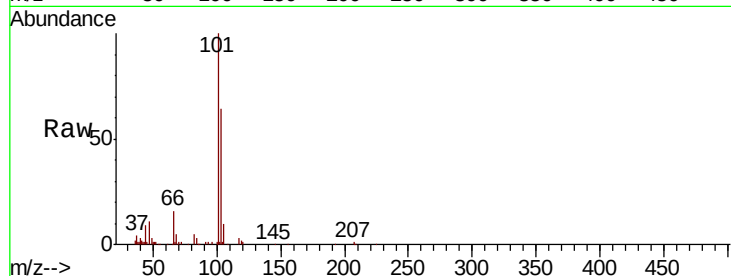
Trichlorofluoromethane
 Concen: 22.943 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

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 ClientSampleId :
 VD1015SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.1	76.7

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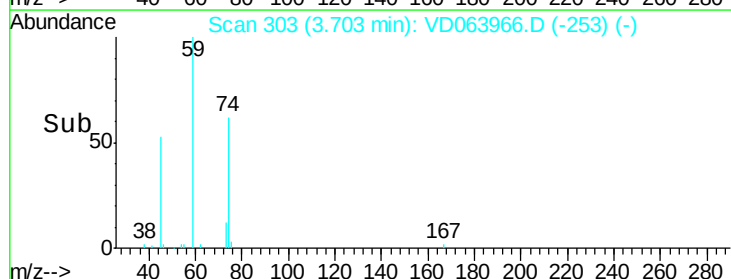
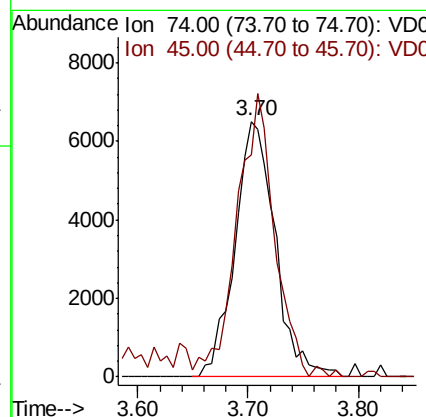
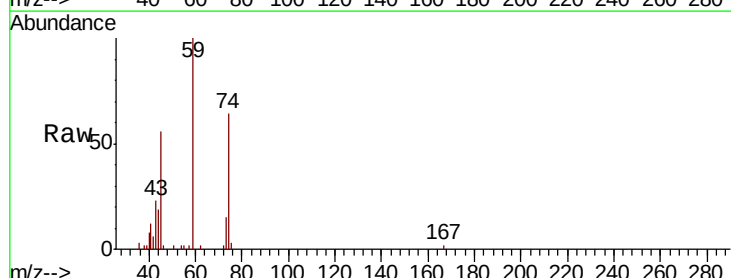
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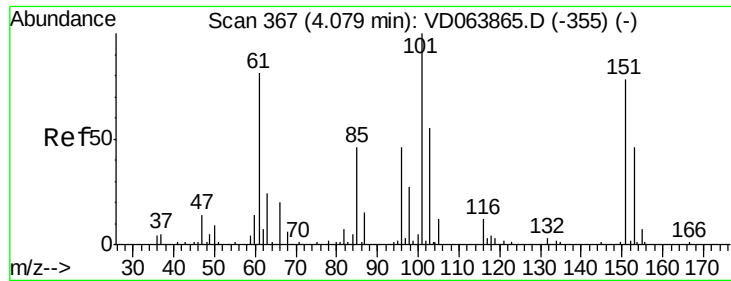


#8

Diethyl Ether
 Concen: 17.957 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.0	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.304 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

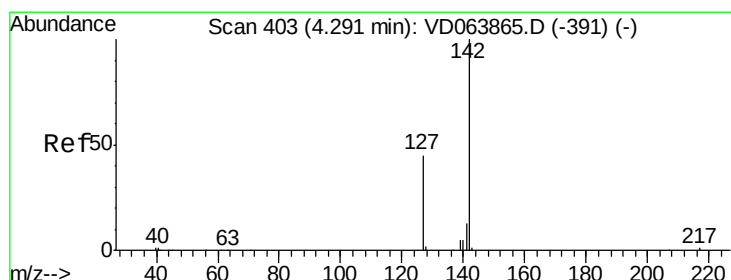
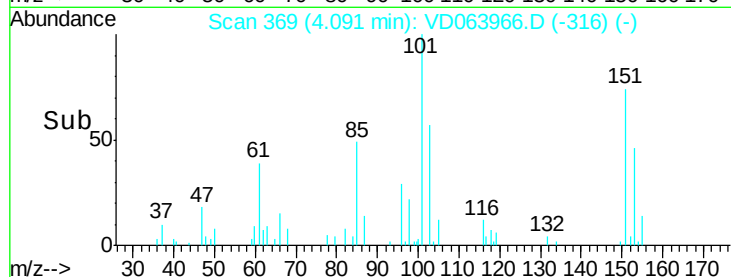
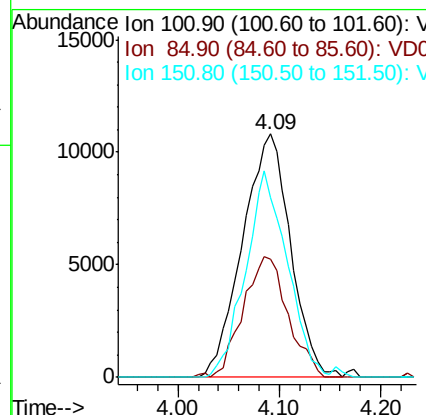
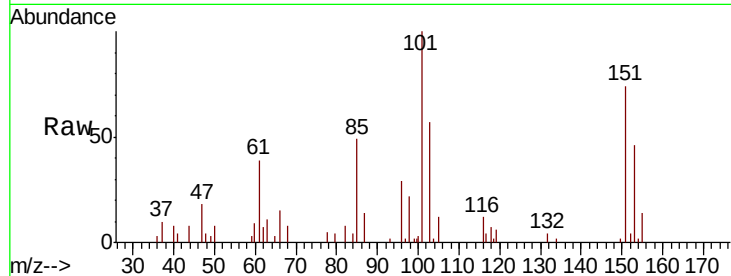
ClientSampleId :

VD1015SBS01

Tot Ion:	101	Resp:	35664
Ion Ratio	Lower	Upper	
101	100		
85	46.5	37.5	56.3
151	73.5	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.122 ug/l

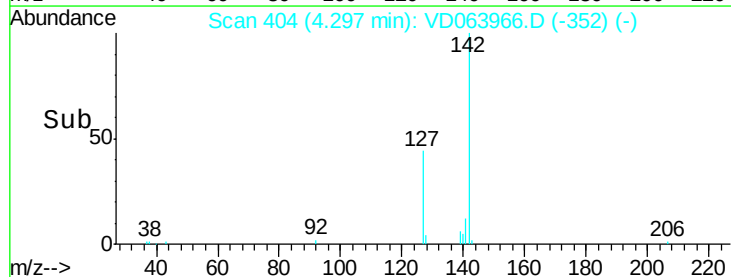
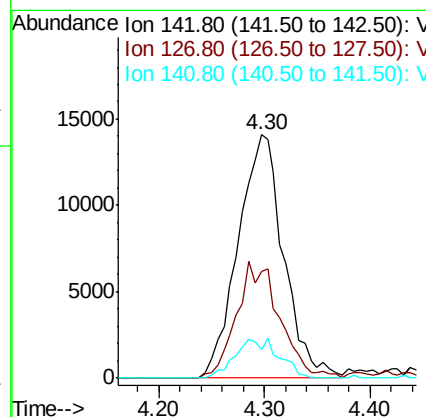
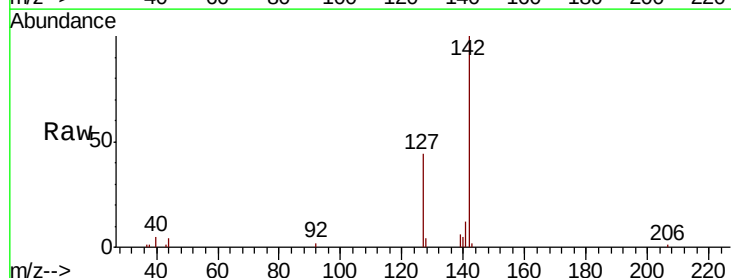
RT: 4.30 min Scan# 404

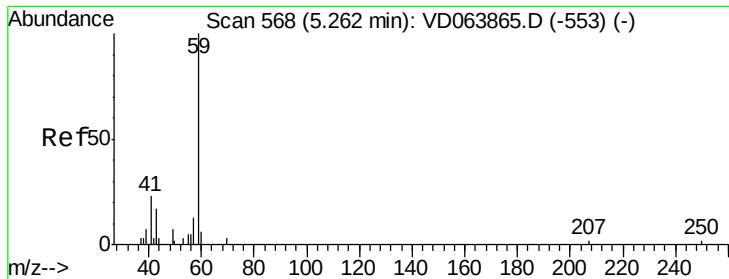
Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Tgt Ion:	142	Resp:	42131
Ion Ratio	Lower	Upper	
142	100		
127	45.3	35.3	52.9
141	15.5	12.2	18.2





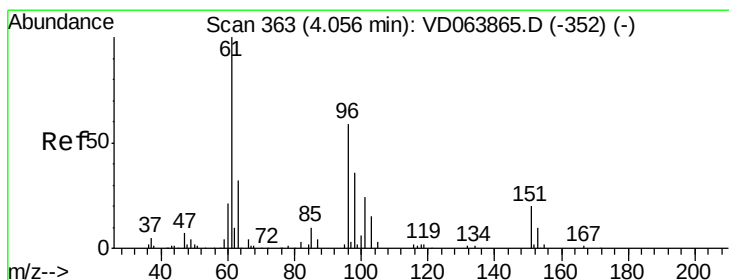
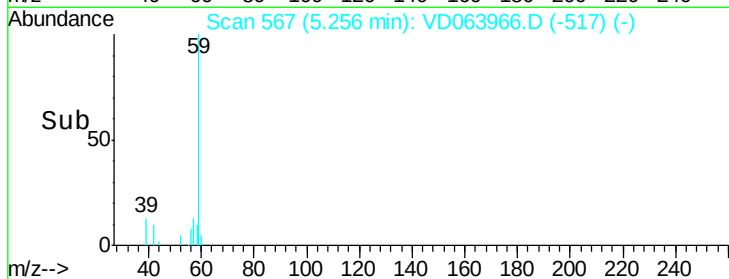
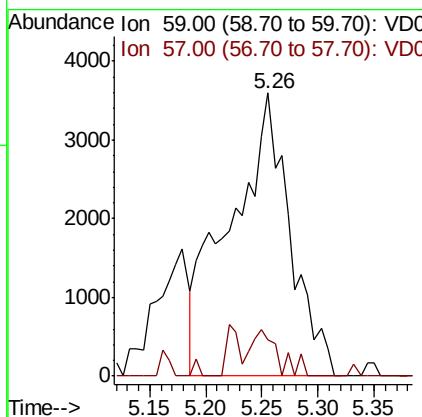
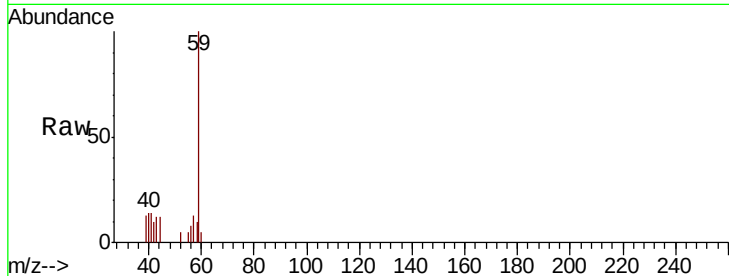
#11
Tert butyl alcohol
Concen: 99.536 ug/l m
RT: 5.26 min Scan# 567
Delta R.T. -0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.9	8.8	13.2#

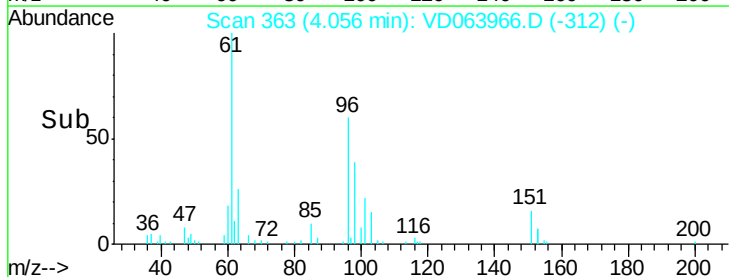
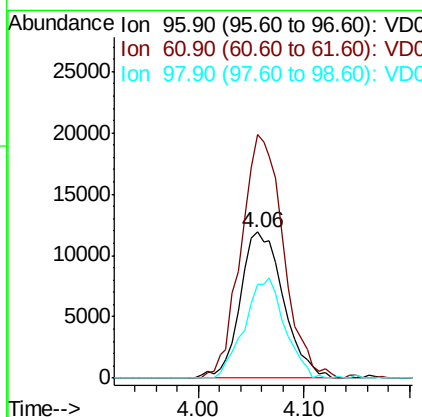
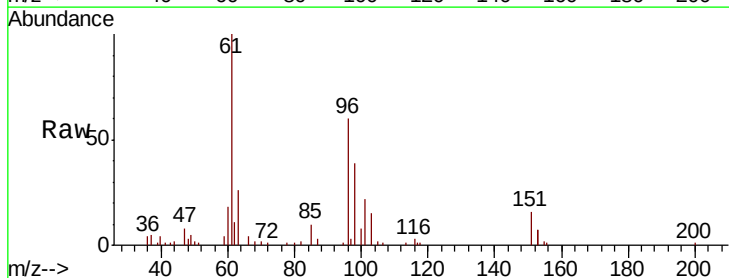
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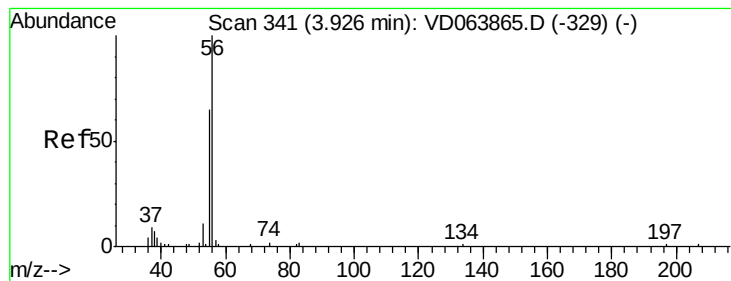
MMDadoda
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#12
1,1-Dichloroethene
Concen: 21.115 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.6	135.6	203.4
98	64.4	49.2	73.8





#13

Acrolein

Concen: 70.921 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 56 Resp: 11755

Ion Ratio Lower Upper

56 100

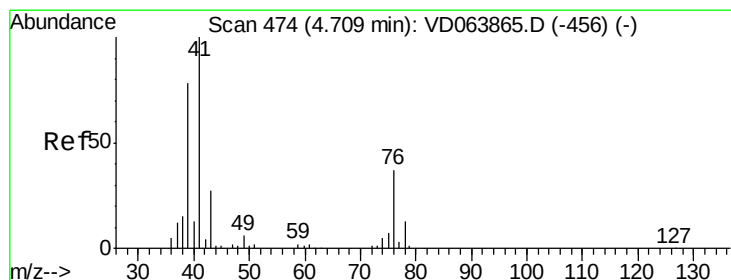
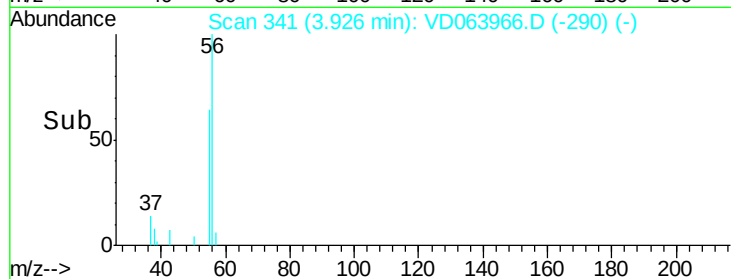
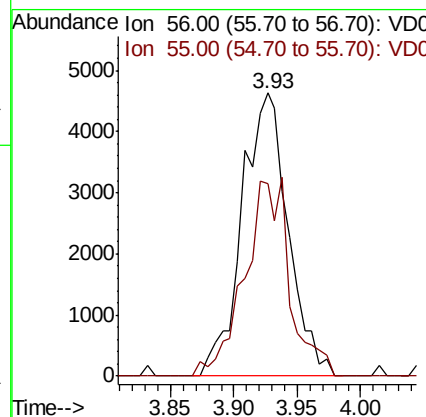
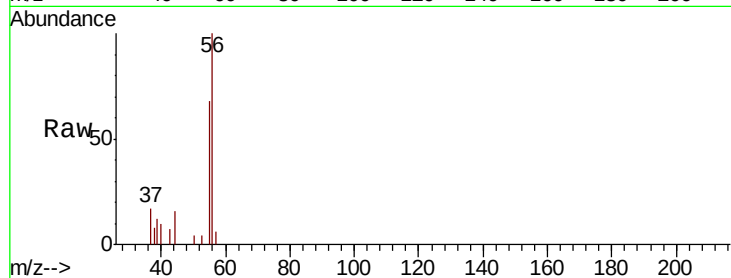
55 67.9 53.0 79.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.603 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

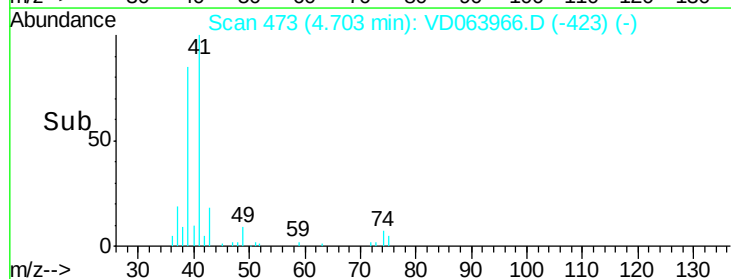
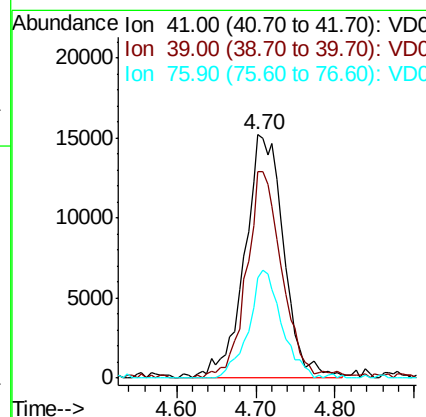
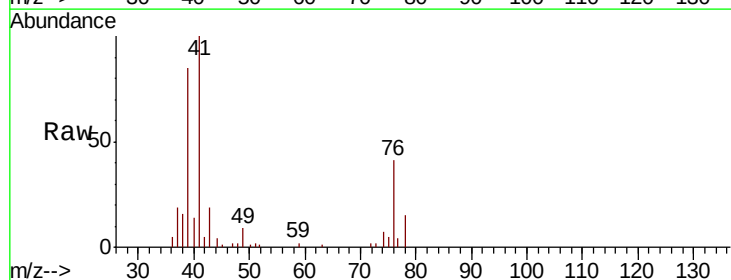
Tgt Ion: 41 Resp: 52065

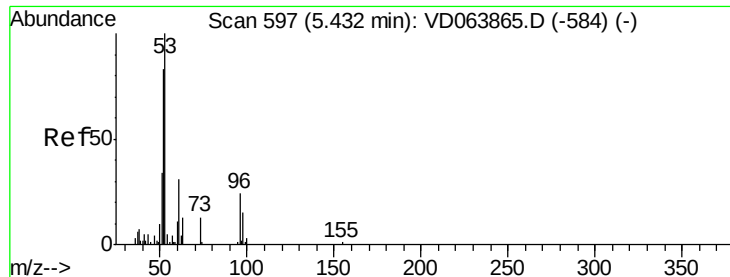
Ion Ratio Lower Upper

41 100

39 76.2 61.8 92.6

76 37.5 31.3 46.9





#15

Acrylonitrile

Concen: 99.182 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

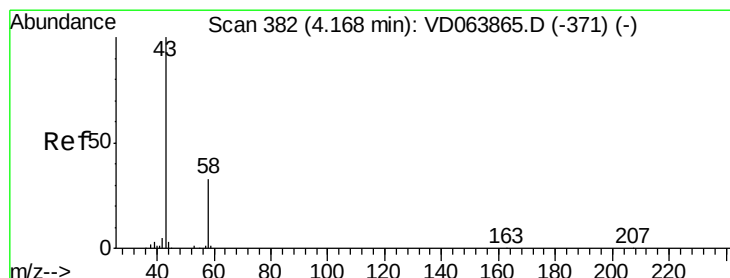
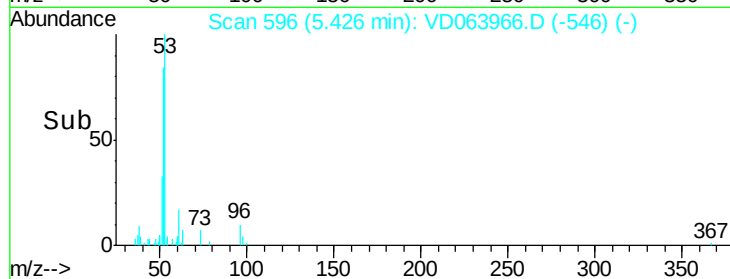
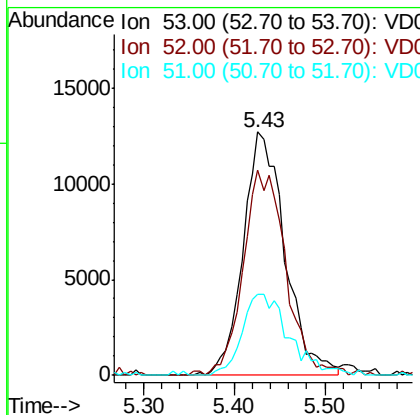
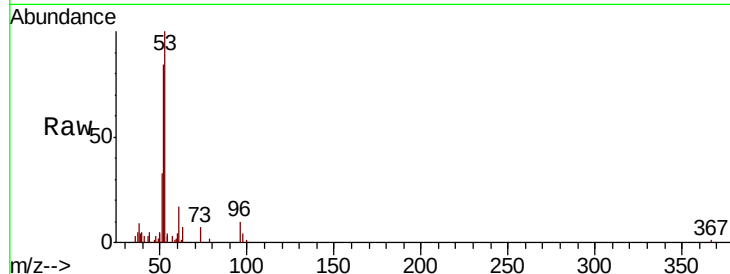
ClientSampleId :

VD1015SBS01

Tot Ion:	53	Resp:	40543
Ion	Ratio	Lower	Upper
53	100		
52	86.3	67.3	100.9
51	36.7	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 82.507 ug/l

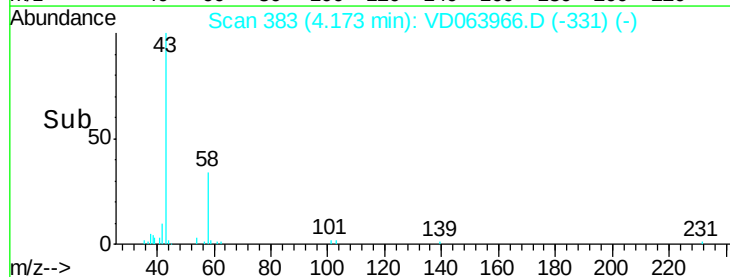
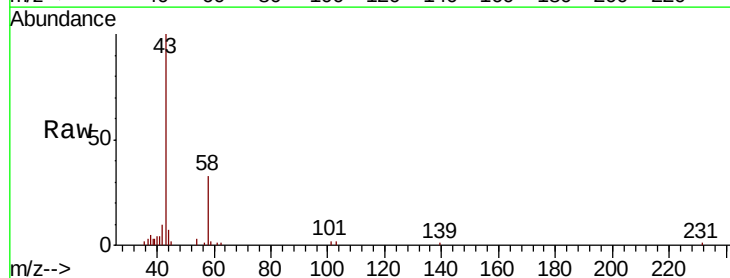
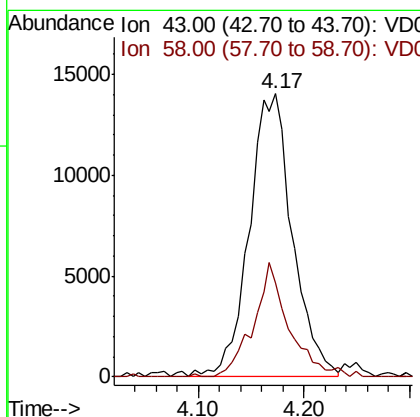
RT: 4.17 min Scan# 383

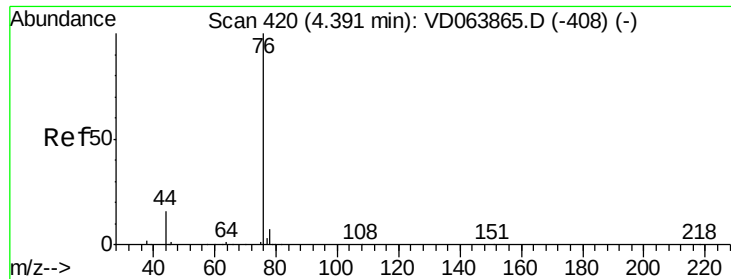
Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Tgt Ion:	43	Resp:	39864
Ion	Ratio	Lower	Upper
43	100		
58	33.4	26.2	39.4





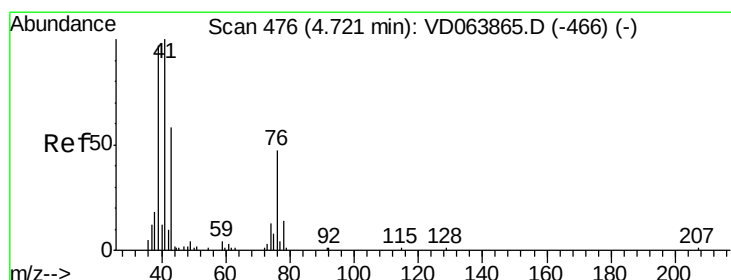
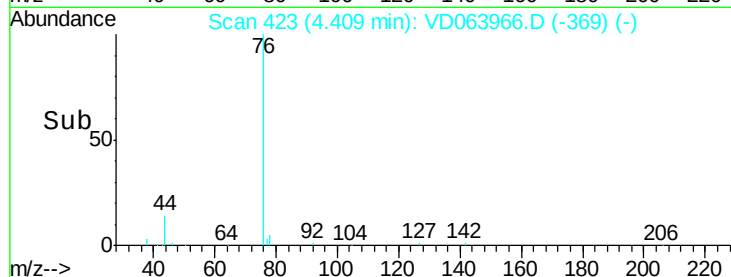
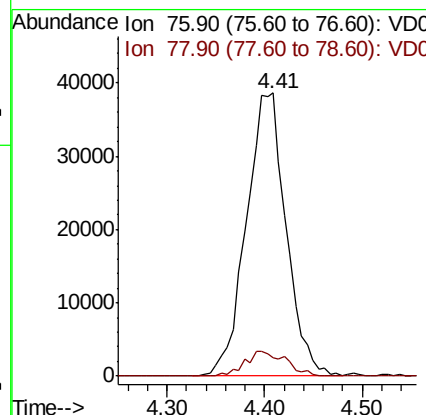
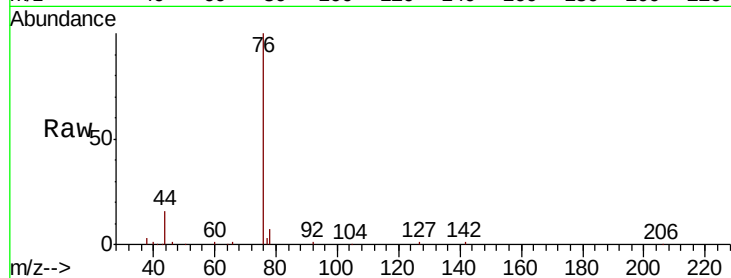
#17
Carbon Disulfide
Concen: 19.024 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.02 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	6.7	5.8	8.8

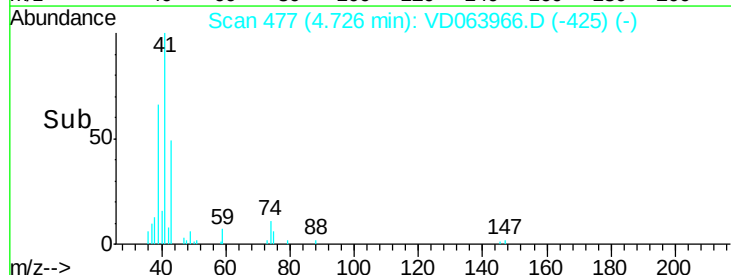
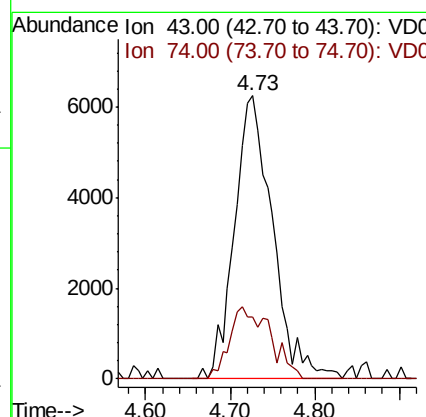
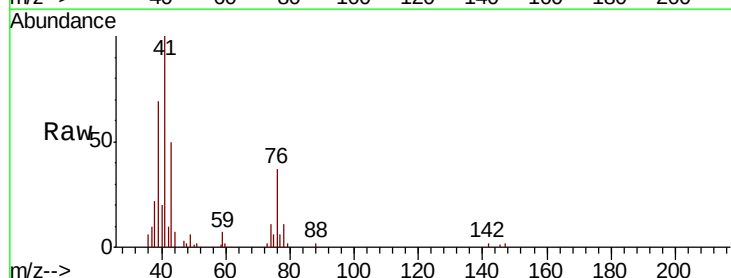
Manual Integrations
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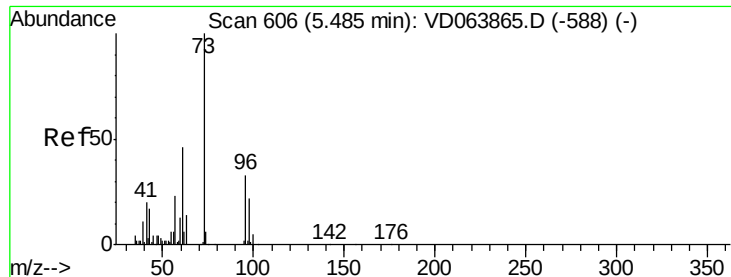
MMDadoda
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#18
Methyl Acetate
Concen: 20.701 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.0	20.8	31.2





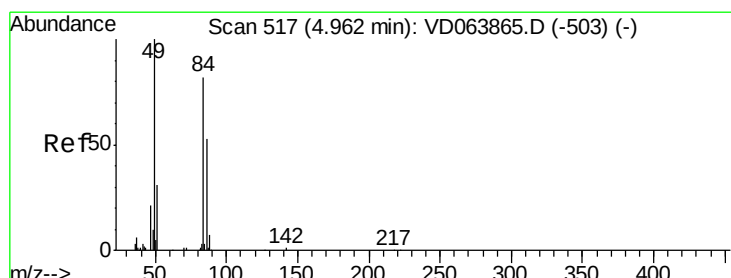
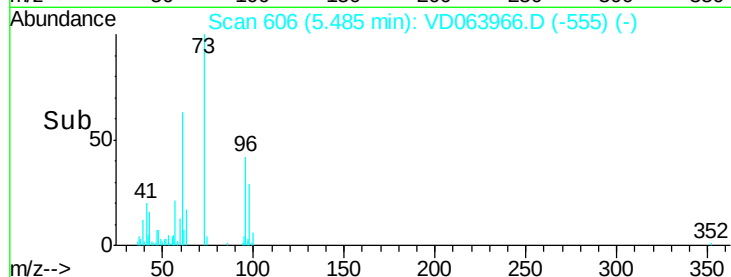
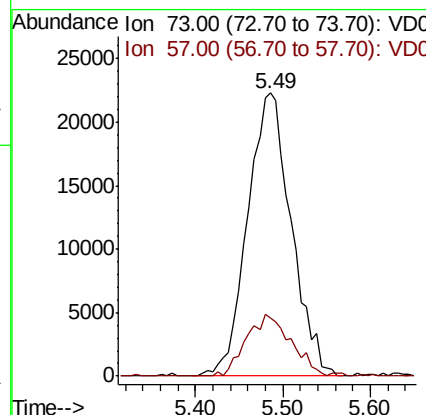
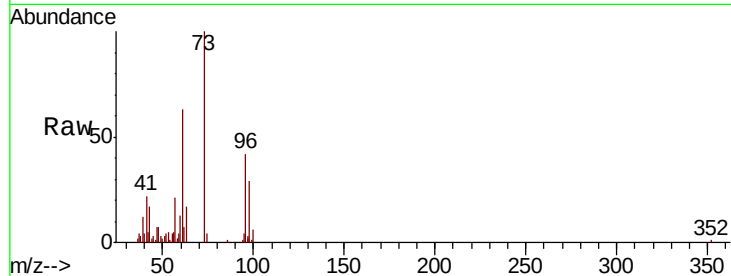
#19
Methyl tert-butyl Ether
Concen: 18.329 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion: 73 Resp: 75821
Ion Ratio Lower Upper
73 100
57 20.7 18.1 27.1

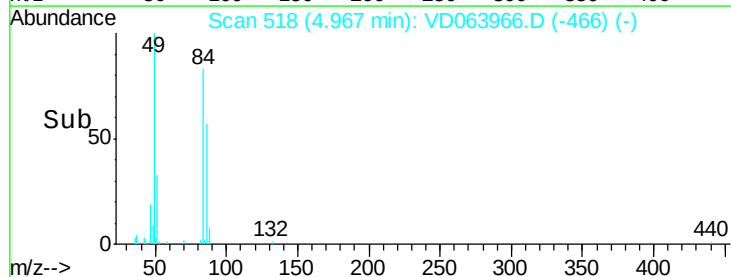
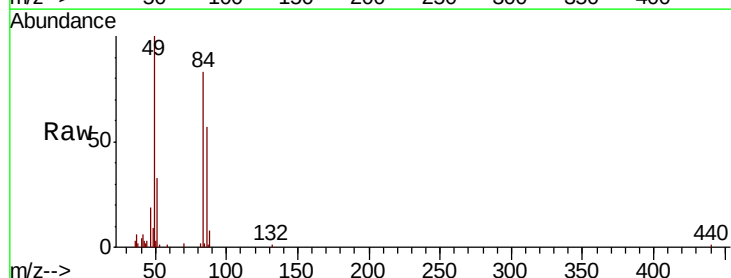
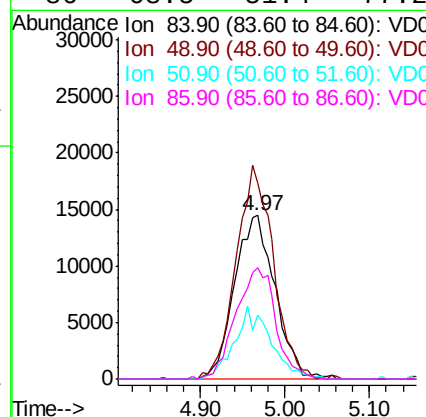
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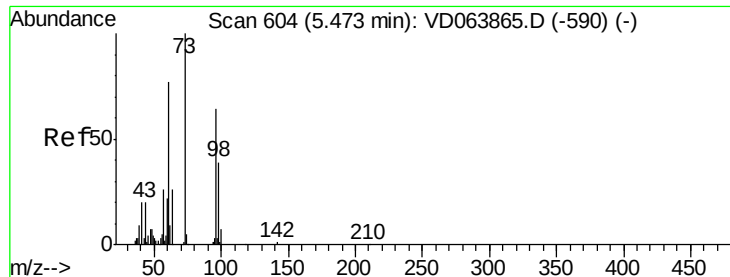
MMDadoda
10/18/2019 12:41:44 AM



#20
Methylene Chloride
Concen: 20.616 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion: 84 Resp: 47990
Ion Ratio Lower Upper
84 100
49 119.9 97.3 145.9
51 39.4 30.1 45.1
86 68.5 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 20.390 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 96 Resp: 40550

Ion Ratio Lower Upper

96 100

61 131.1 96.6 145.0

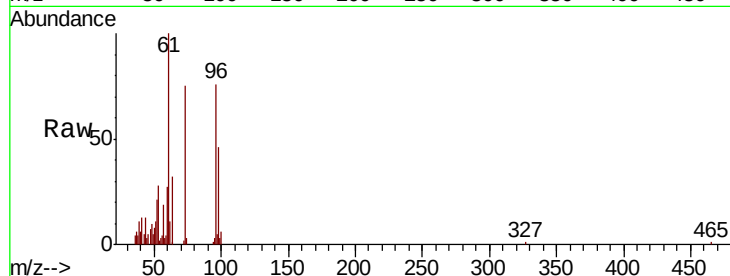
98 60.9 48.7 73.1

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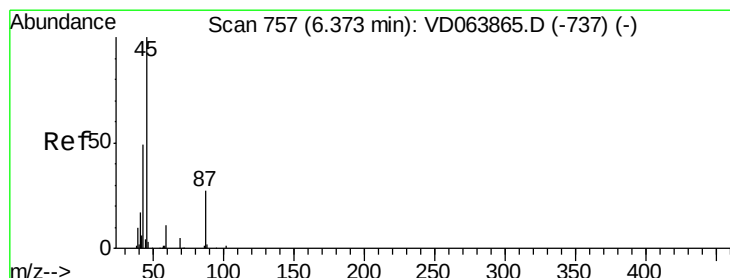
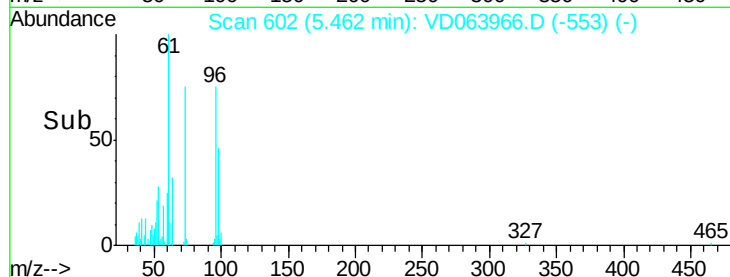
Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Time-->



#22

Diisopropyl ether

Concen: 19.693 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Tgt Ion: 45 Resp: 106822

Ion Ratio Lower Upper

45 100

43 49.8 41.2 61.8

87 26.2 22.2 33.4

59 12.0 9.2 13.8

Abundance

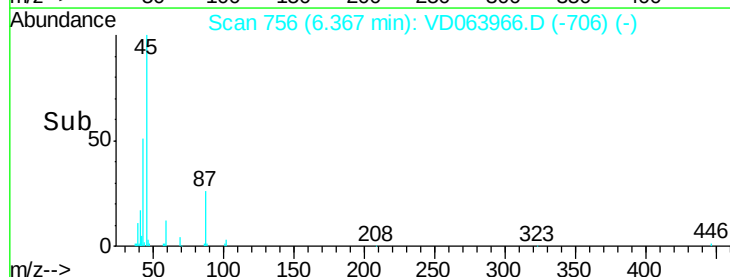
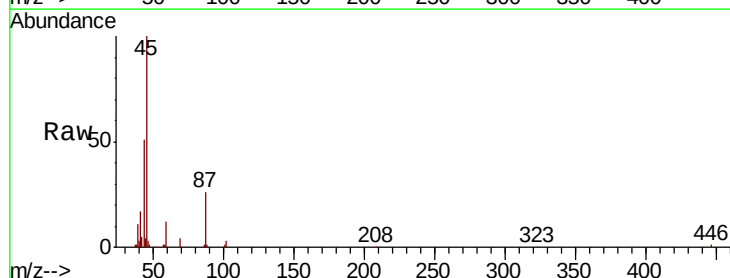
Ion 45.00 (44.70 to 45.70): VDC

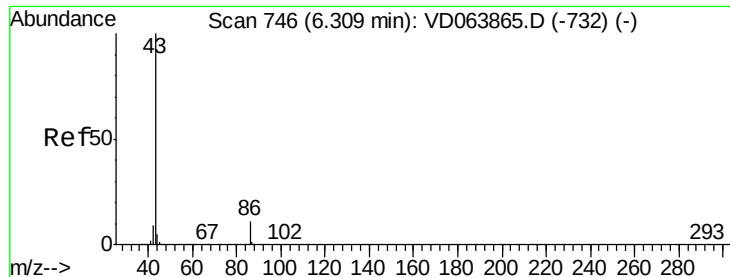
Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC

Time-->





#23

Vinyl Acetate

Concen: 96.706 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 43 Resp: 312058

Ion Ratio Lower Upper

43 100

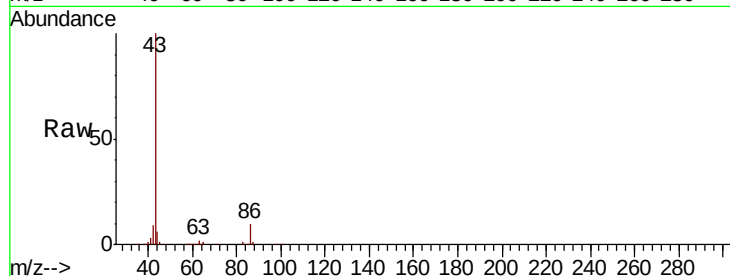
86 10.5 8.8 13.2

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

100000

80000

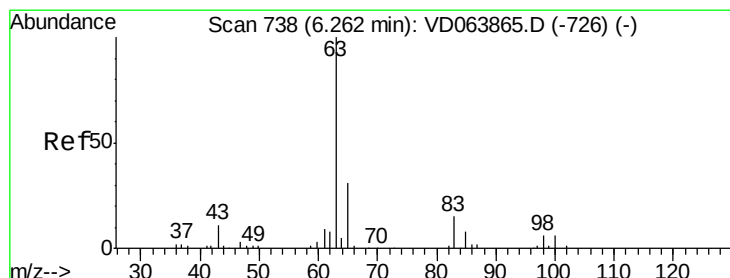
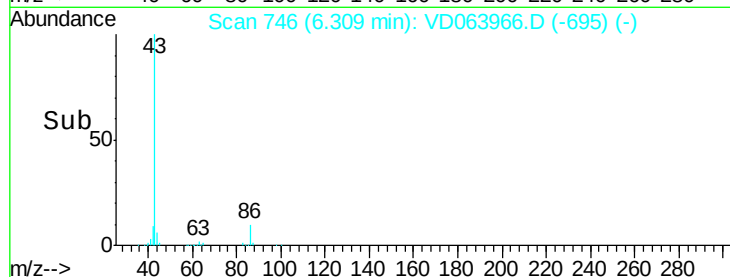
60000

40000

20000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 20.677 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

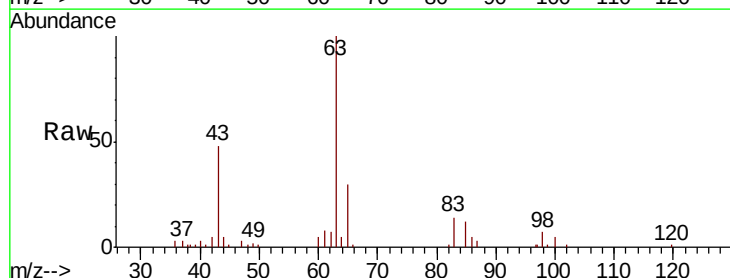
Tgt Ion: 63 Resp: 69084

Ion Ratio Lower Upper

63 100

98 8.1 3.1 9.4

100 5.3 3.0 9.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

25000

20000

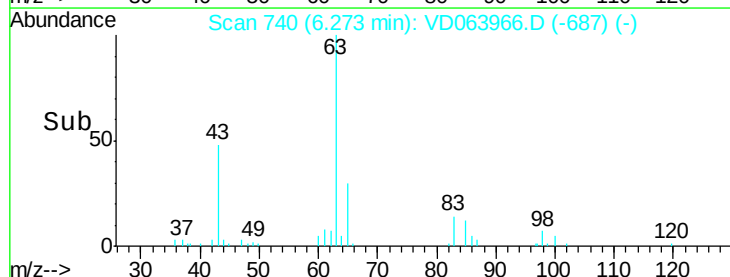
15000

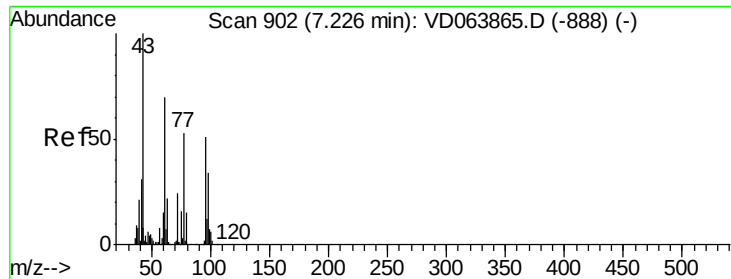
10000

5000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 90.748 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 43 Resp: 51962

Ion Ratio Lower Upper

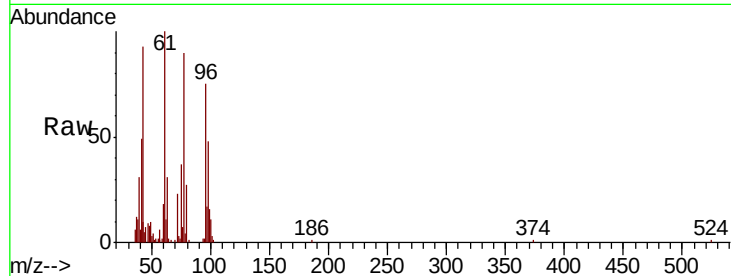
43 100

72 24.6 19.2 28.8

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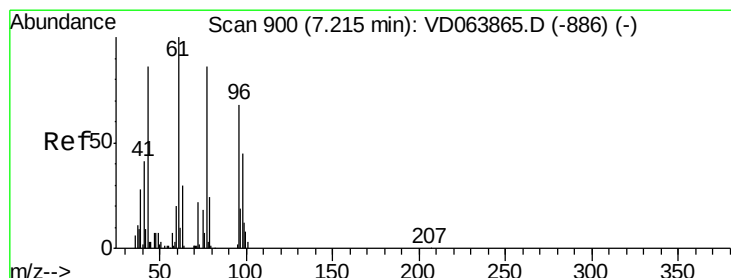
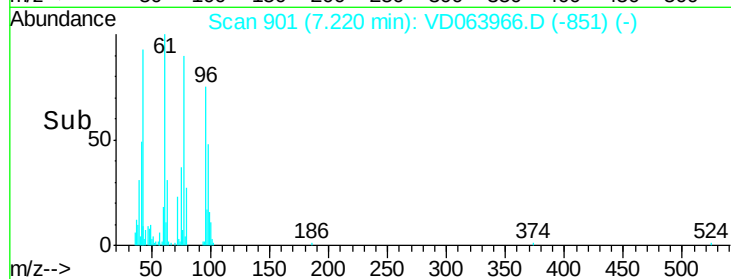
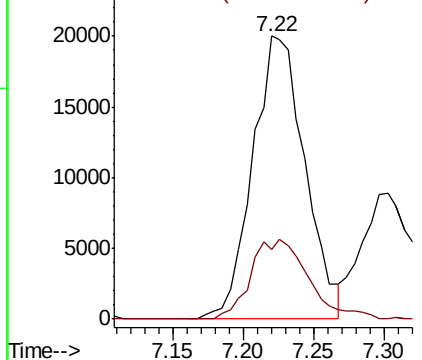
MMDadoda

10/18/2019 12:41:44 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.663 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063966.D

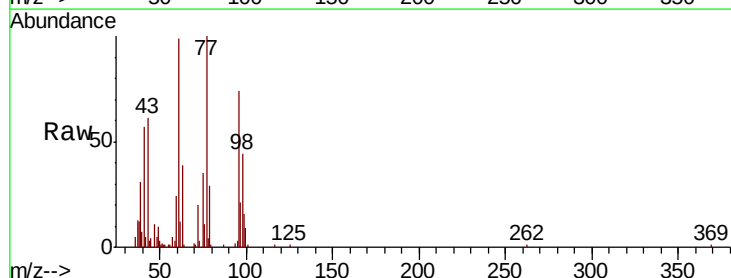
Acq: 15 Oct 2019 12:30

Tgt Ion: 77 Resp: 62451

Ion Ratio Lower Upper

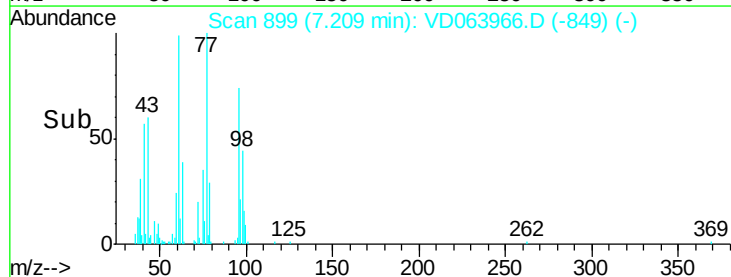
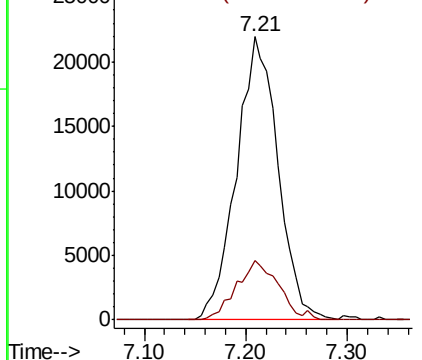
77 100

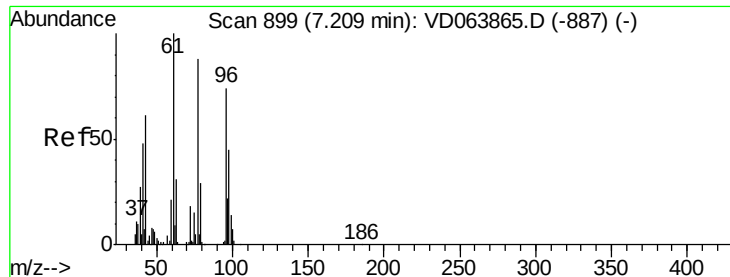
97 21.3 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

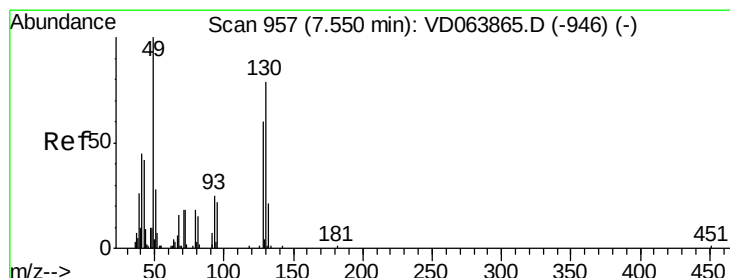
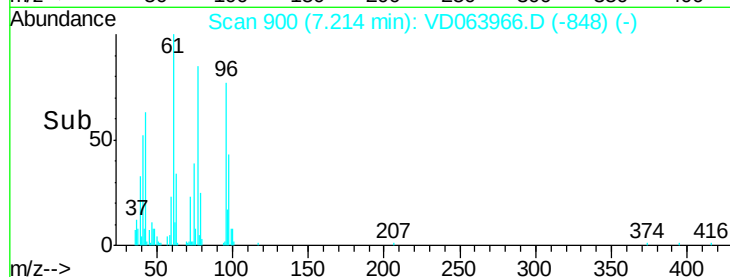
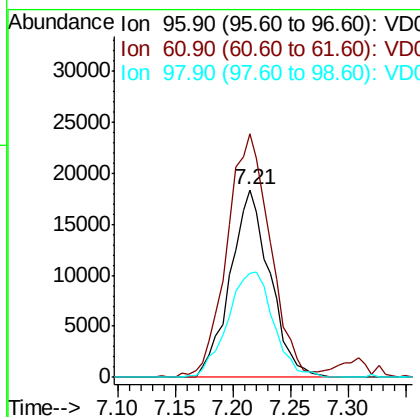
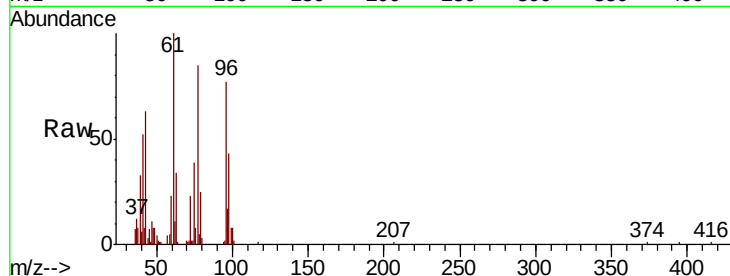
cis-1,2-Dichloroethene
Concen: 19.463 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.0	0.0	280.0
98	65.0	0.0	130.4

Manual Integrations
APPROVED

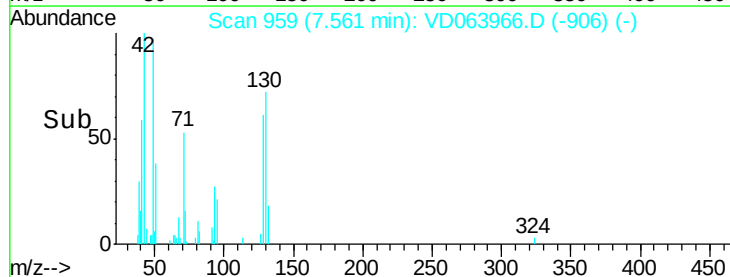
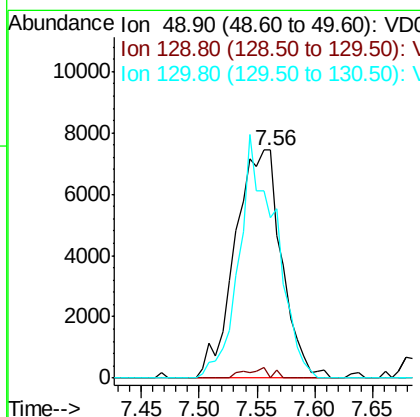
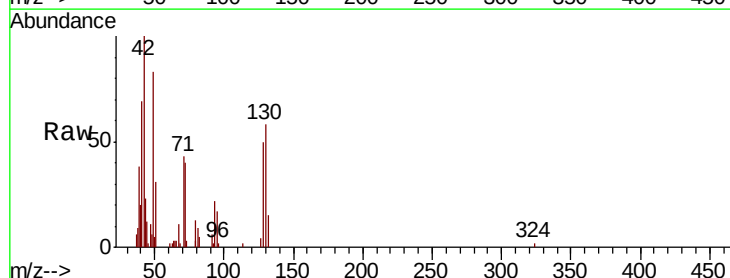
MMDadoda
10/18/2019 12:41:44 AM

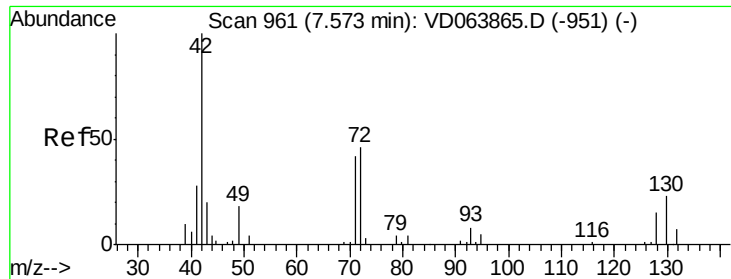


#28

Bromochloromethane
Concen: 17.733 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	5.6
130	83.9	66.8	100.2





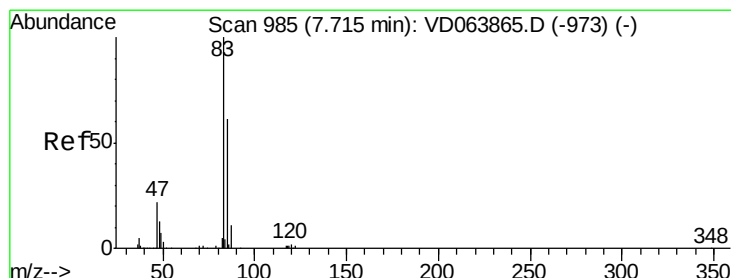
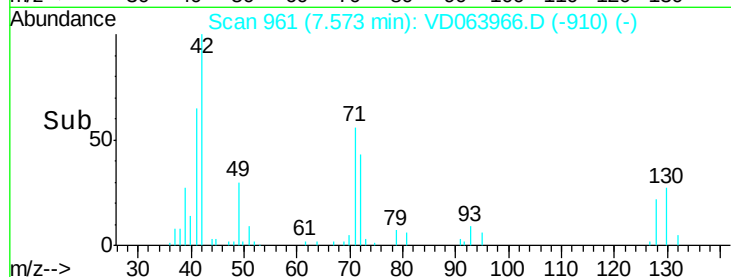
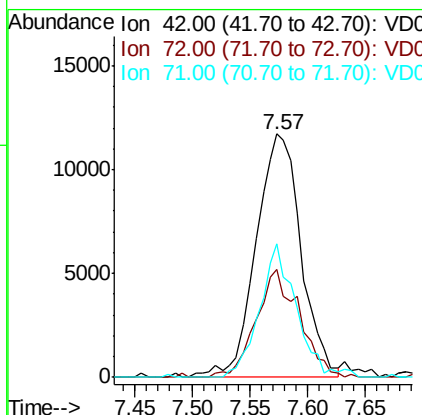
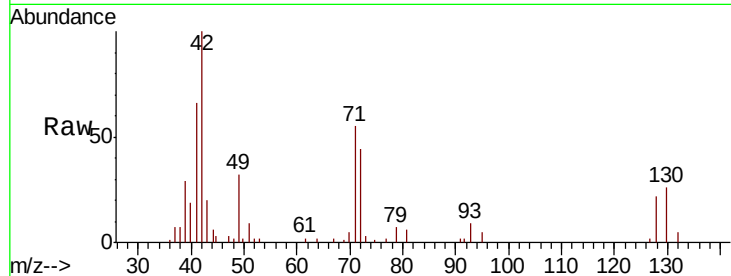
#29
Tetrahydrofuran
Concen: 94.921 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	37.6	56.4
71	44.5	35.0	52.6

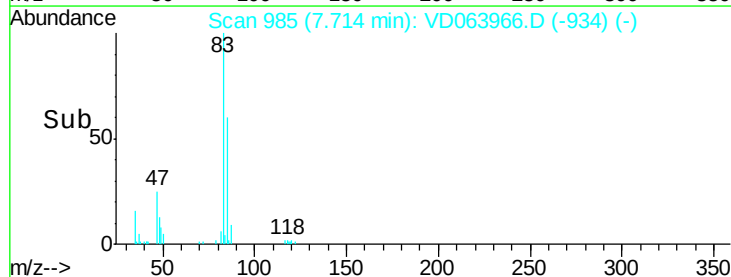
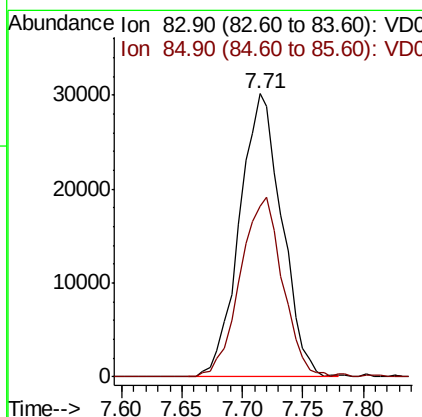
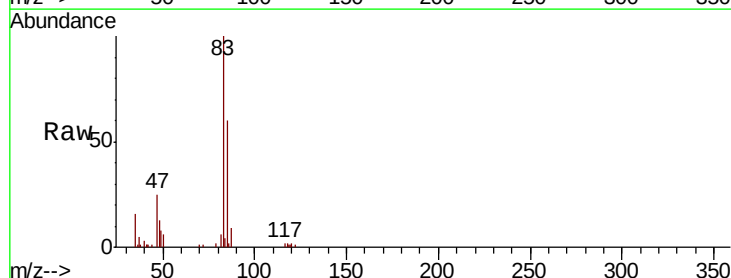
Manual Integrations
APPROVED

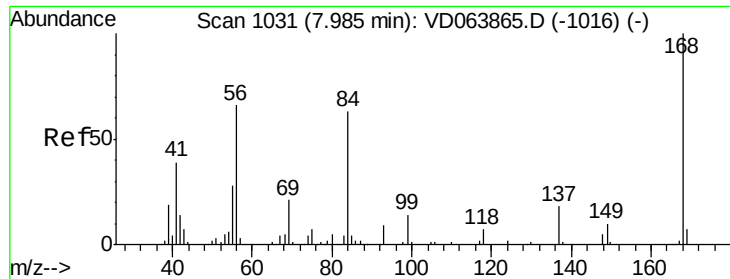
MMDadoda
10/18/2019 12:41:44 AM



#30
Chloroform
Concen: 20.235 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.3	48.9	73.3





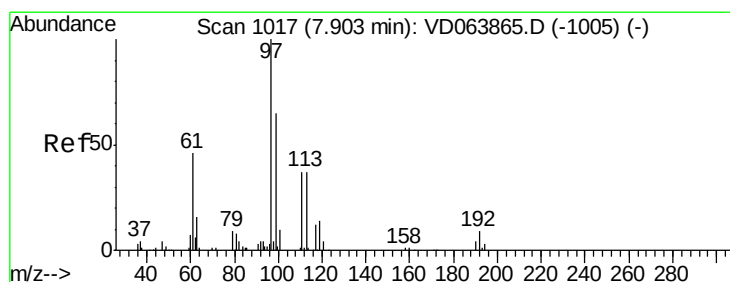
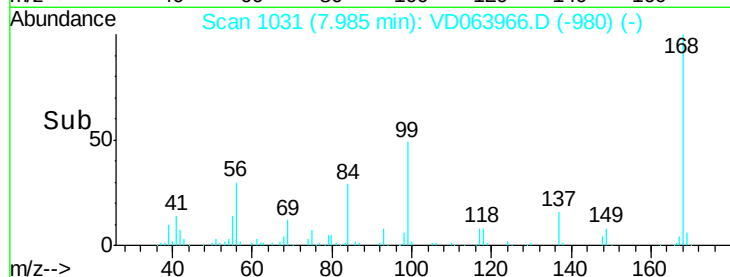
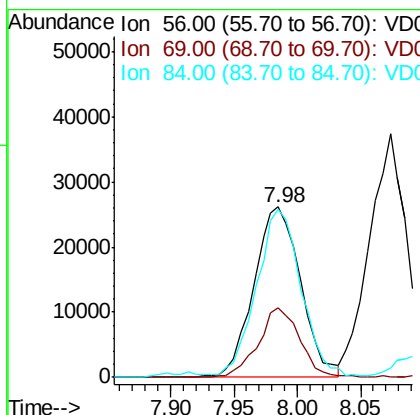
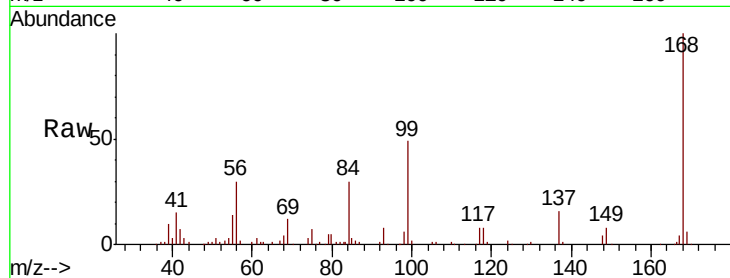
#31
Cyclohexane
Concen: 22.121 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.1	25.0	37.4#
84	95.6	76.3	114.5

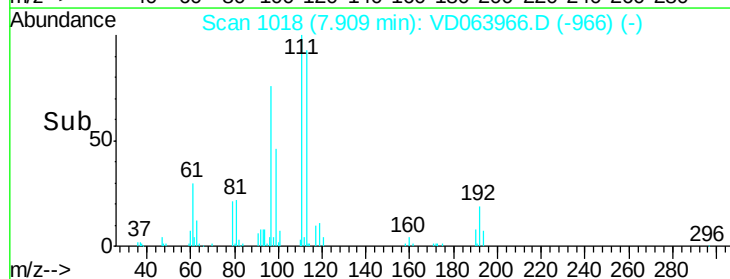
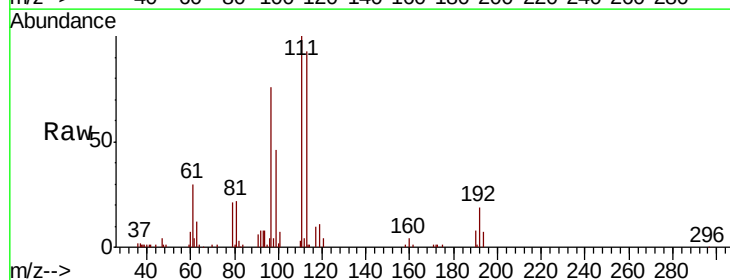
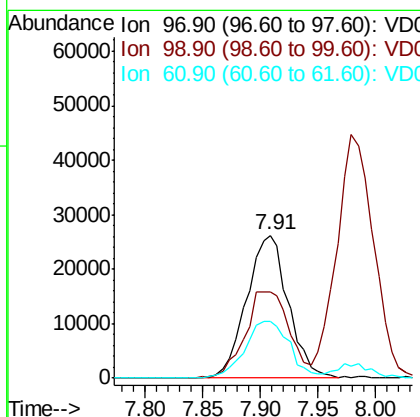
Manual Integrations
APPROVED

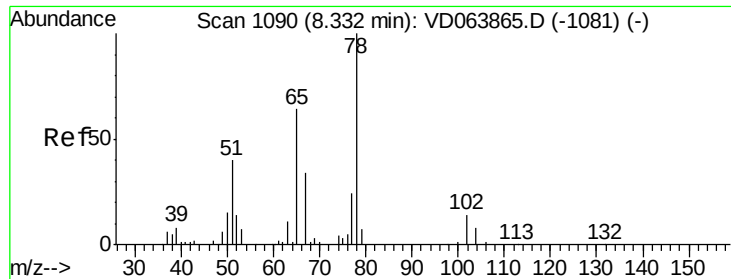
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.101 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.4	78.6
61	43.1	33.8	50.8





#33

1,2-Dichloroethane-d4

Concen: 48.948 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 65 Resp: 90837

Ion Ratio Lower Upper

65 100

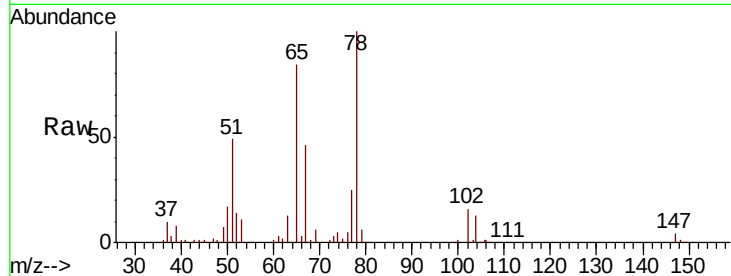
67 54.7 0.0 106.4

Manual Integrations

APPROVED

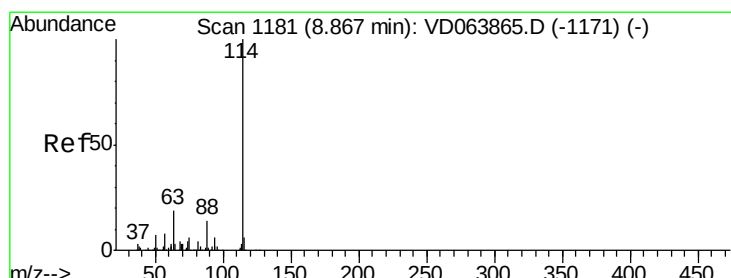
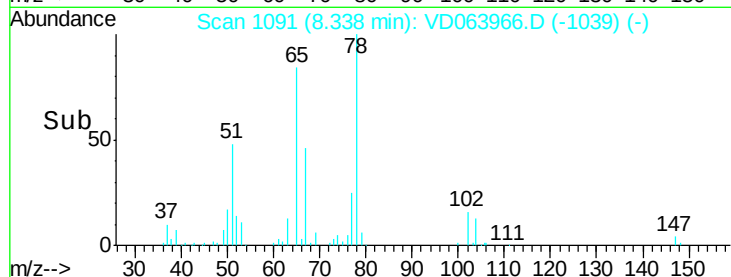
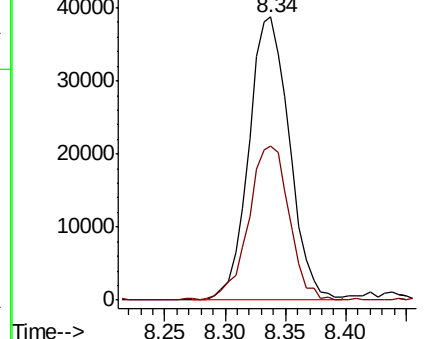
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

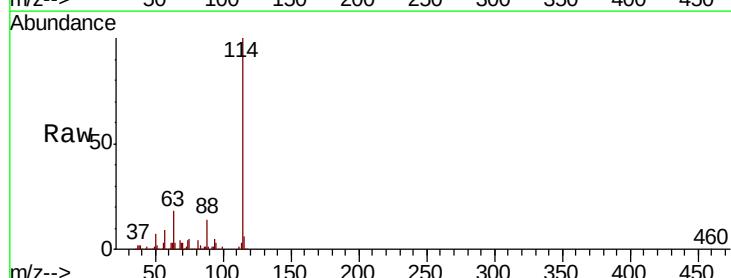
Tgt Ion: 114 Resp: 305300

Ion Ratio Lower Upper

114 100

63 18.2 0.0 38.4

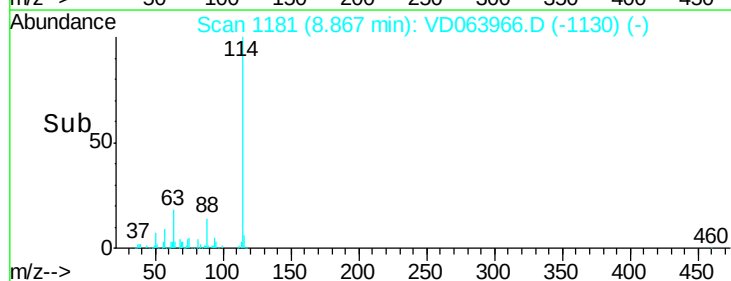
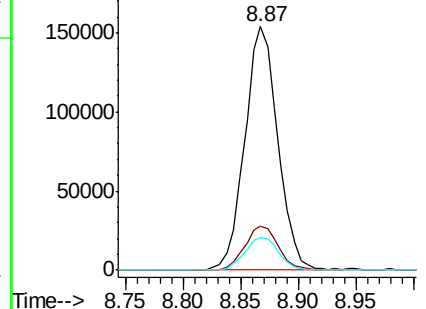
88 13.5 0.0 27.4

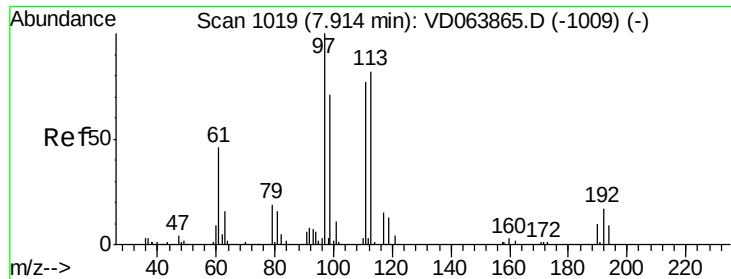


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





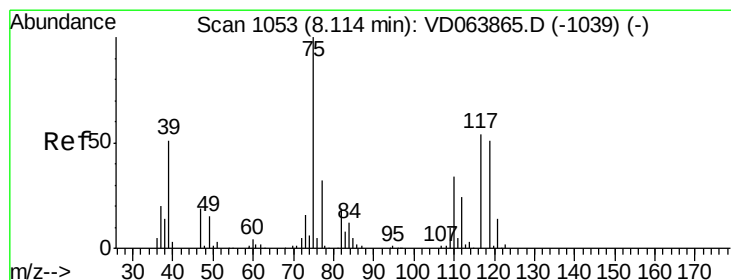
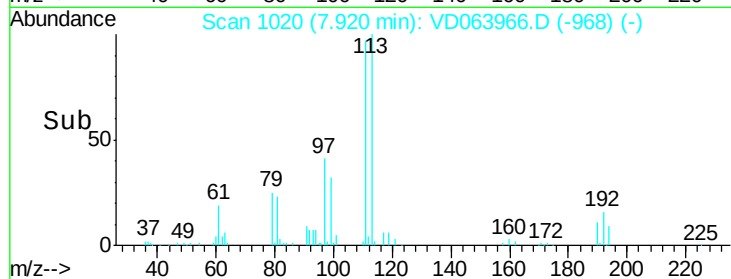
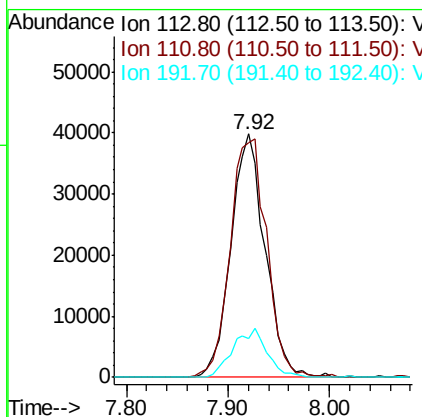
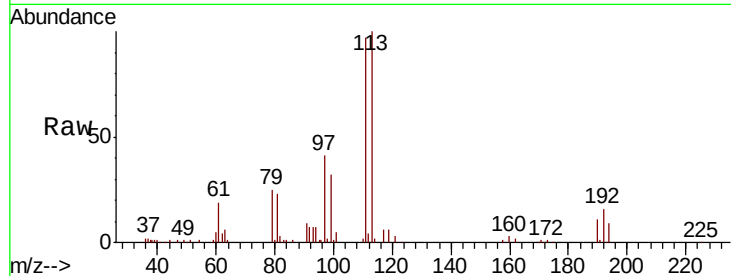
#35
 Dibromofluoromethane
 Concen: 49.736 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.5	82.6	123.8
192	20.3	17.1	25.7

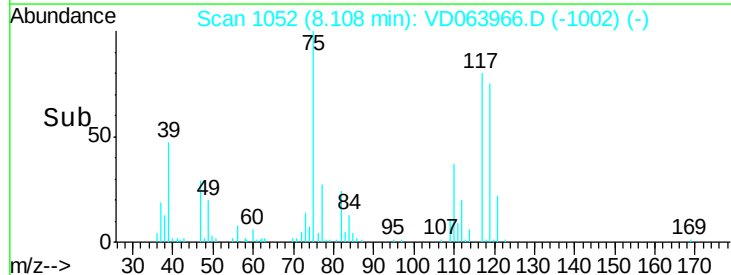
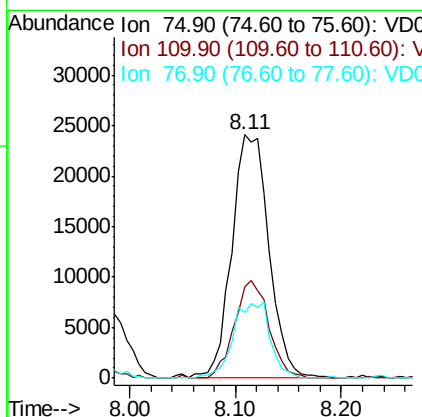
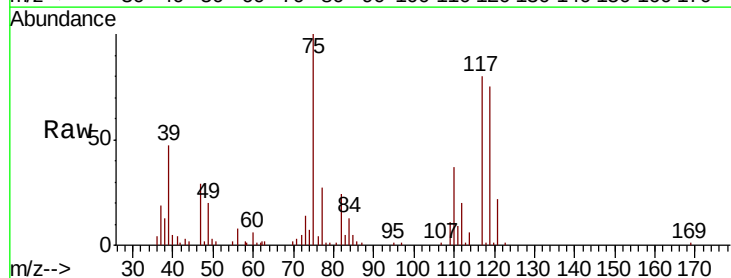
Manual Integrations
 APPROVED

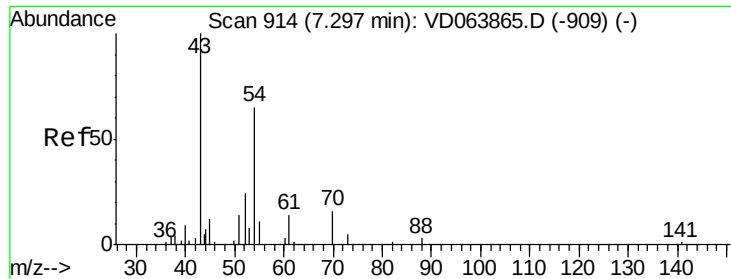
MMDadoda
 10/18/2019 12:41:44 AM



#36
 1,1-Dichloropropene
 Concen: 21.011 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.0	17.4	52.3
77	31.2	25.4	38.0





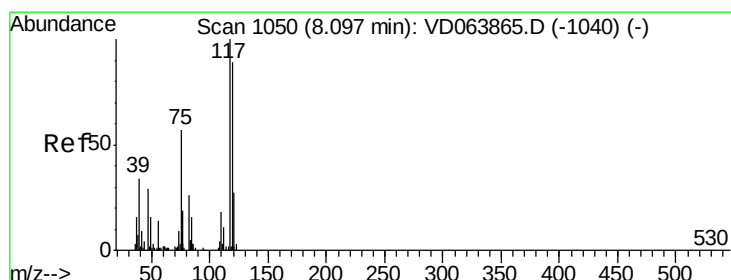
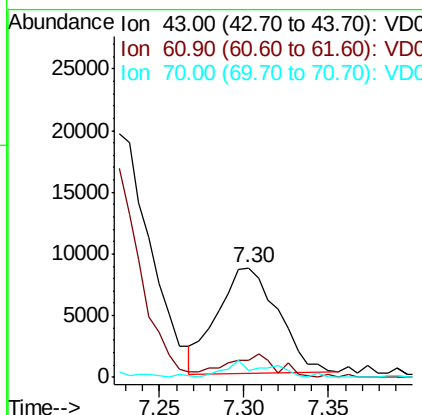
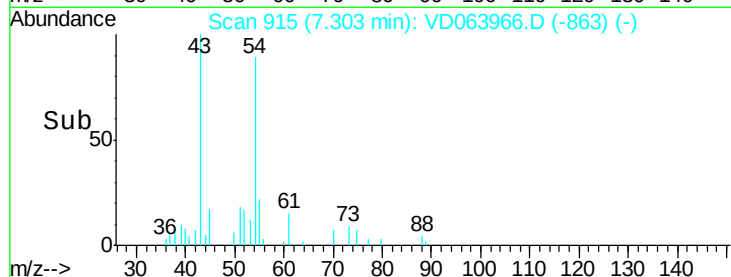
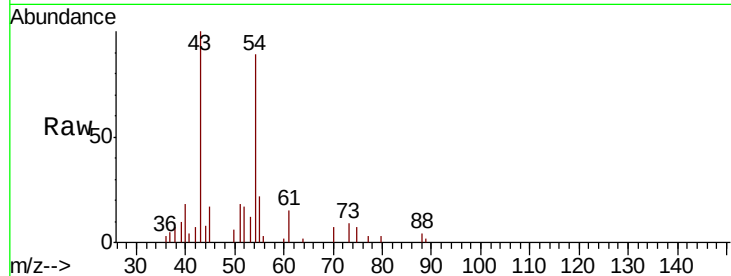
#37
Ethyl Acetate
Concen: 16.250 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.6	11.5	17.3#
70	7.0	8.2	12.4#

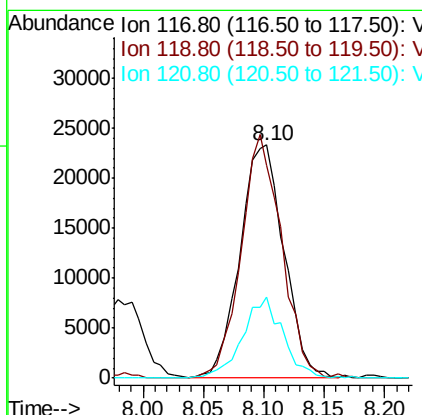
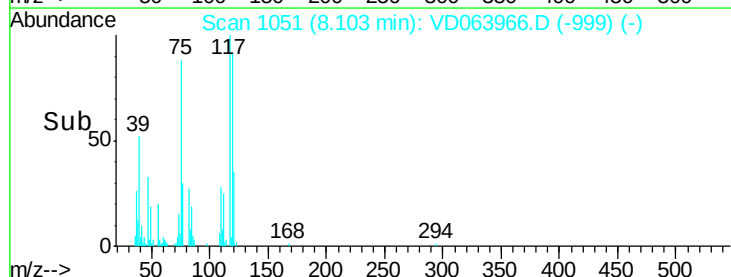
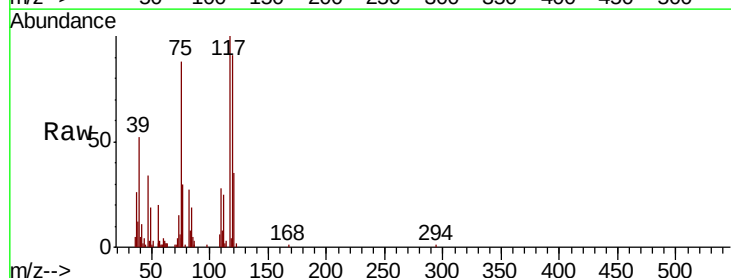
Manual Integrations
APPROVED

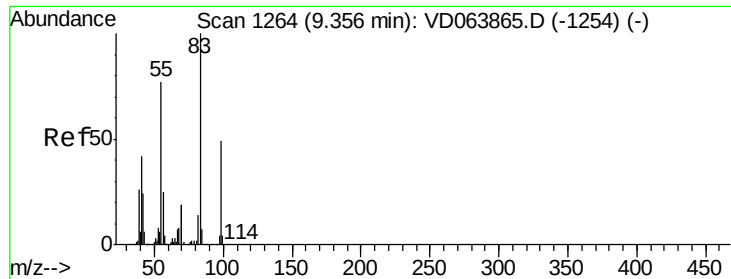
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#38
Carbon Tetrachloride
Concen: 20.983 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	70.8	106.2
121	35.0	21.4	32.0#





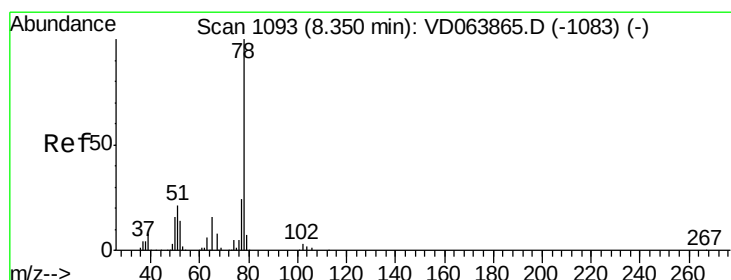
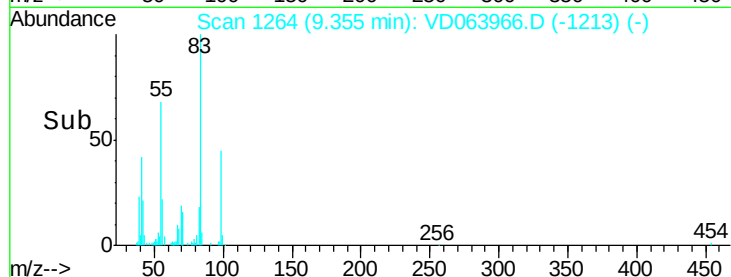
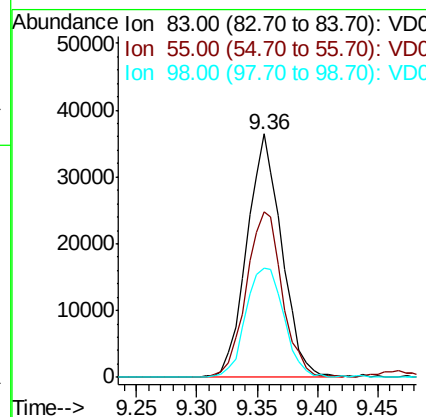
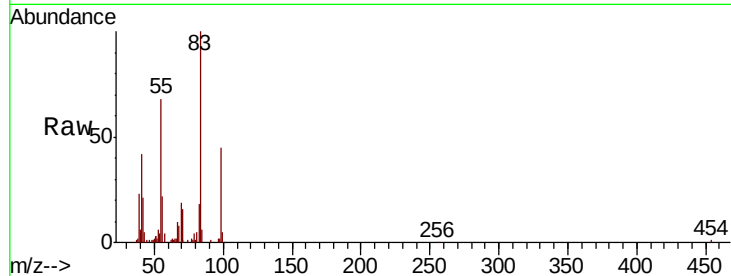
#39
Methylvlcyclohexane
Concen: 21.373 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.1	61.3	91.9
98	45.1	39.3	58.9

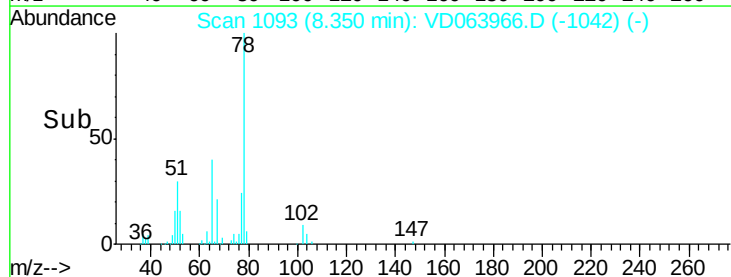
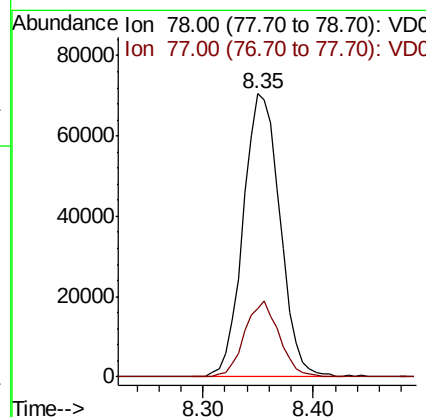
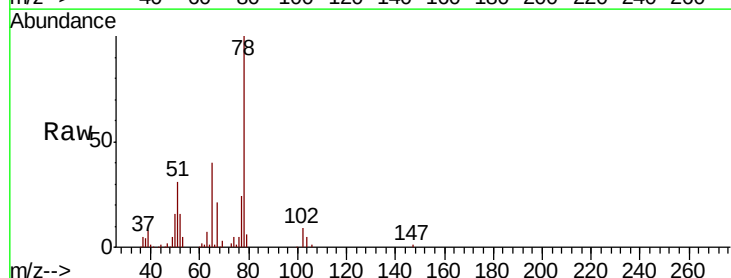
Manual Integrations
APPROVED

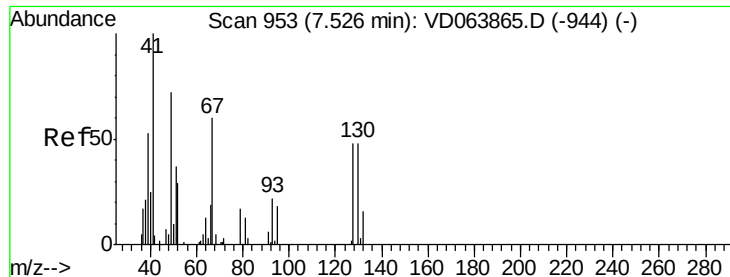
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#40
Benzene
Concen: 20.660 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6





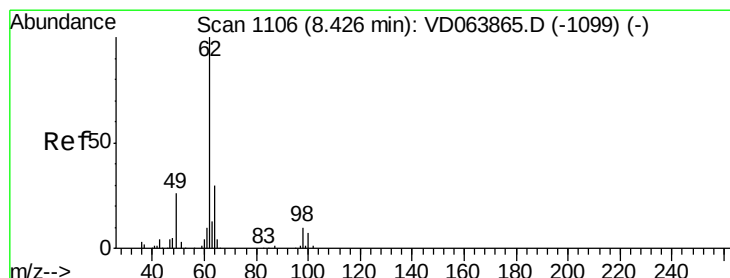
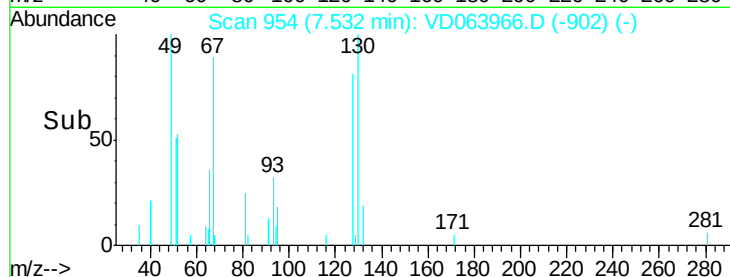
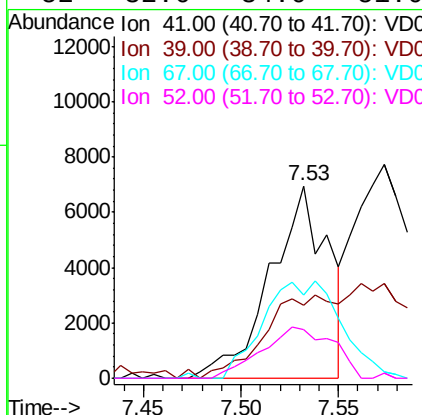
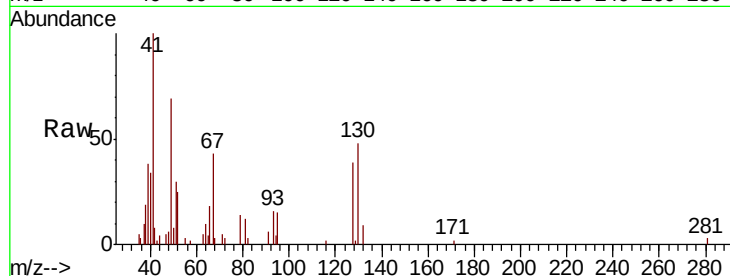
#41
Methacrylonitrile
Concen: 21.961 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	54.4	52.6	78.8
67	68.5	74.2	111.2#
52	32.6	34.0	51.0#

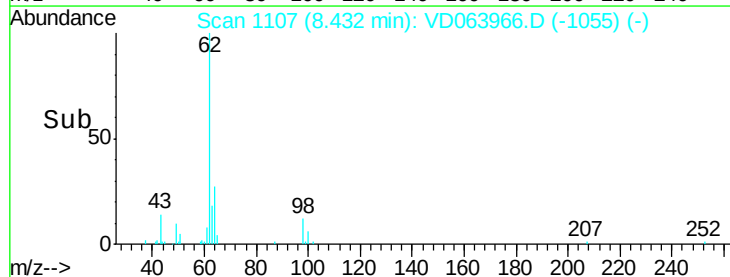
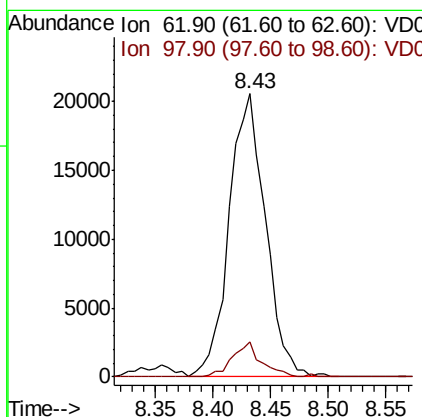
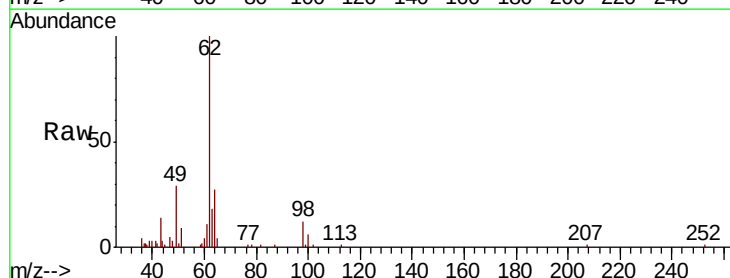
Manual Integrations
APPROVED

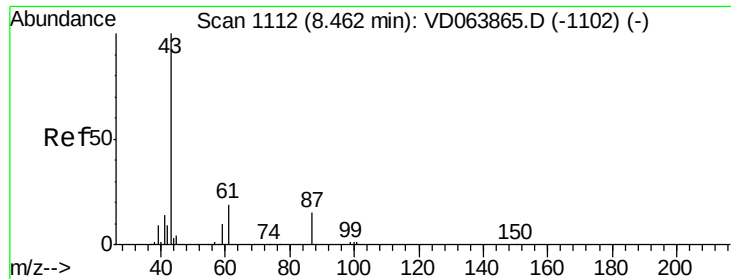
MMDadoda
10/18/2019 12:41:44 AM



#42
1,2-Dichloroethane
Concen: 19.439 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.0





#43

Isopropyl Acetate

Concen: 18.375 ug/l

RT: 8.47 min Scan# 1113

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

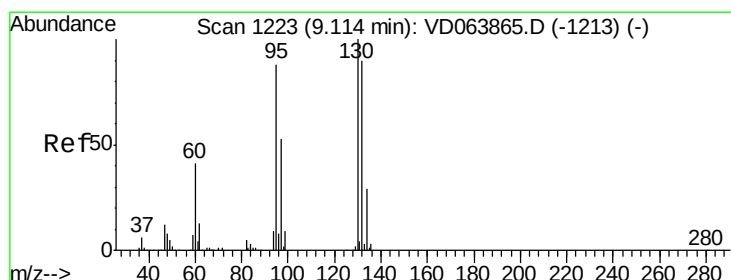
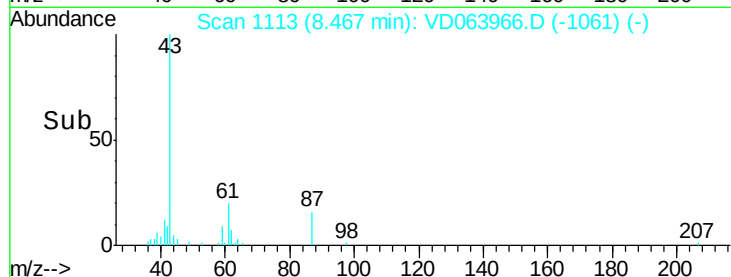
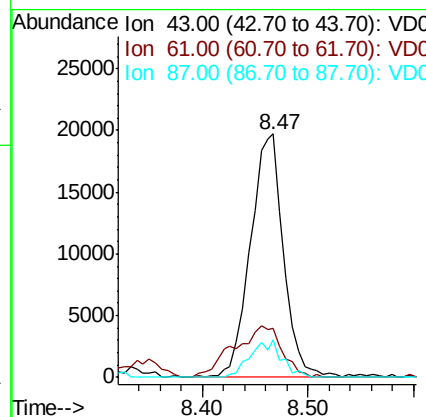
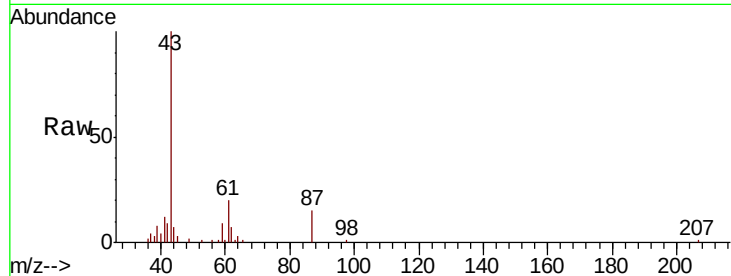
ClientSampleId :

VD1015SBS01

Tot Ion:	43	Resp:	43015
Ion	Ratio	Lower	Upper
43	100		
61	30.8	25.7	38.5
87	14.5	11.6	17.4

Manual Integrations
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#44

Trichloroethene

Concen: 20.510 ug/l

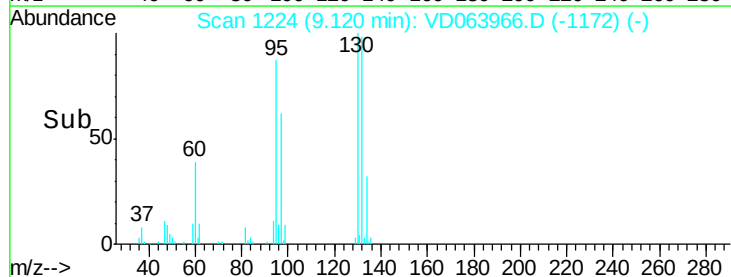
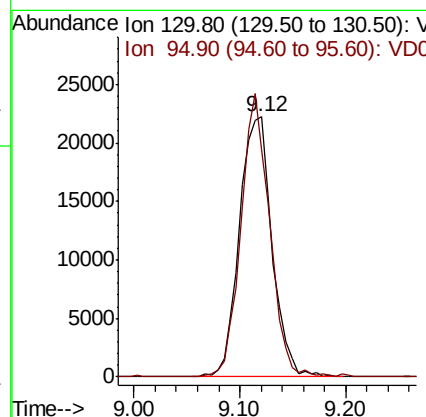
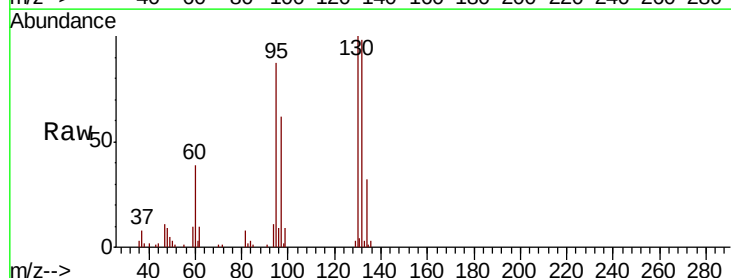
RT: 9.12 min Scan# 1224

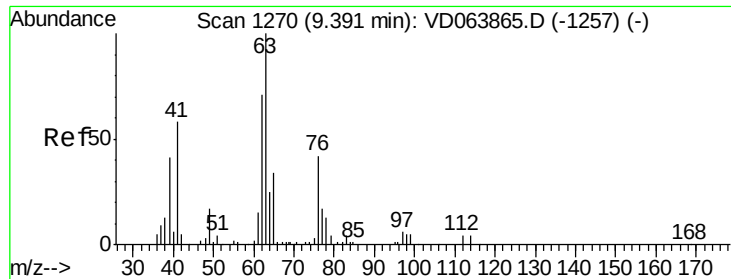
Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Tgt Ion:	130	Resp:	47311
Ion	Ratio	Lower	Upper
130	100		
95	87.4	0.0	175.6





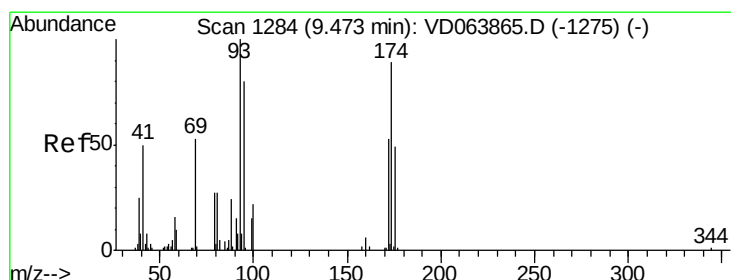
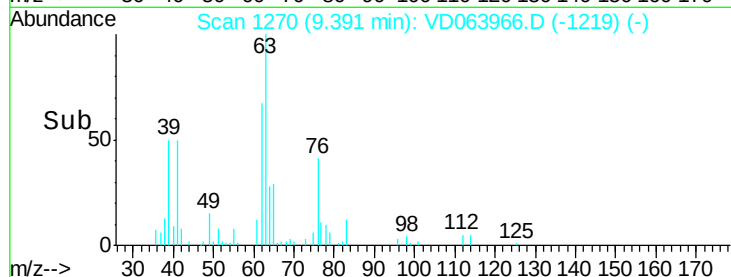
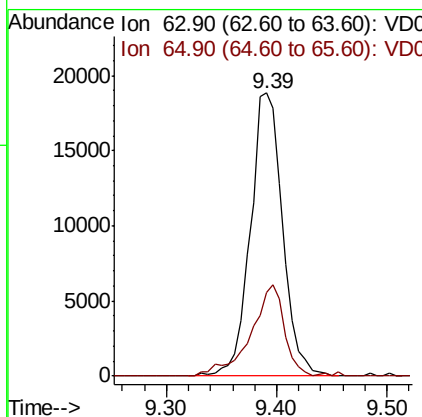
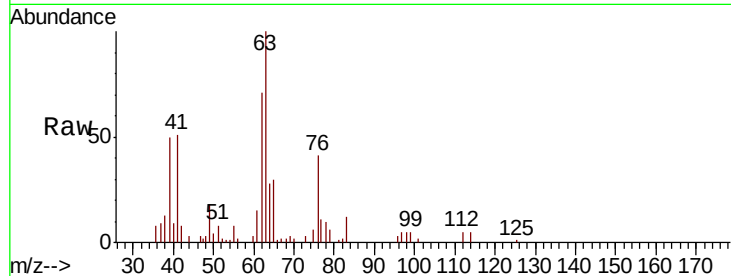
#45
 1,2-Dichloropropane
 Concen: 19.707 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.5	27.3	40.9

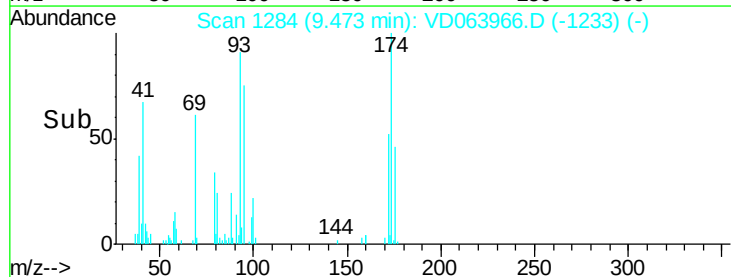
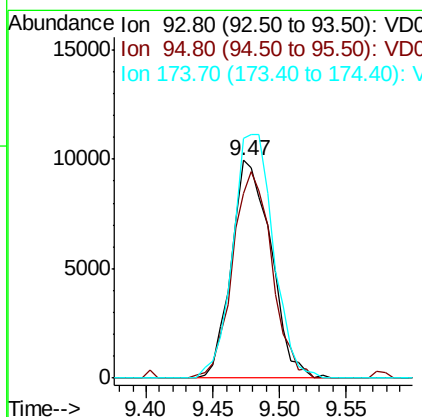
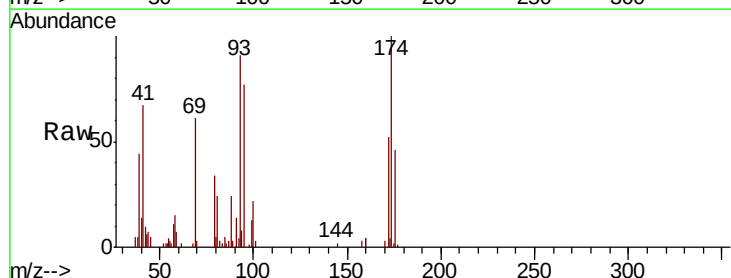
Manual Integrations
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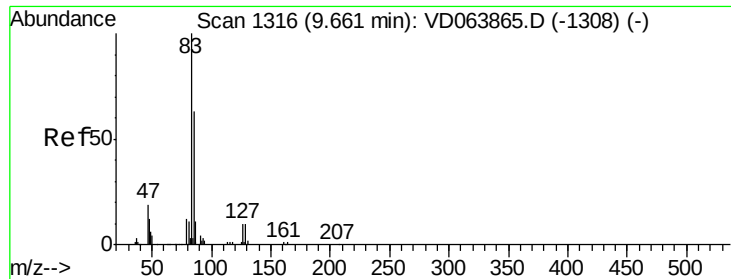
MMDadoda
 10/18/2019 12:41:44 AM



#46
 Dibromomethane
 Concen: 18.411 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	94.0	66.0	99.0
174	114.7	83.4	125.0





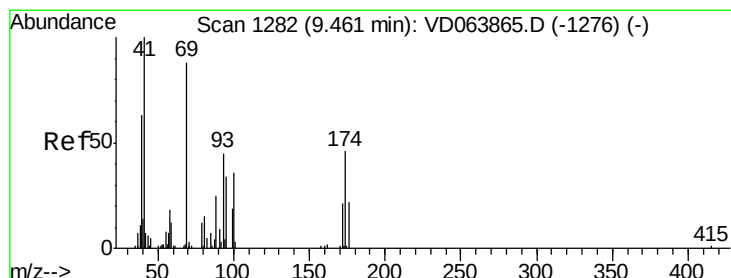
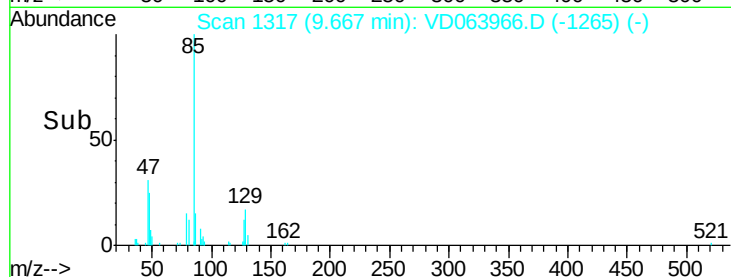
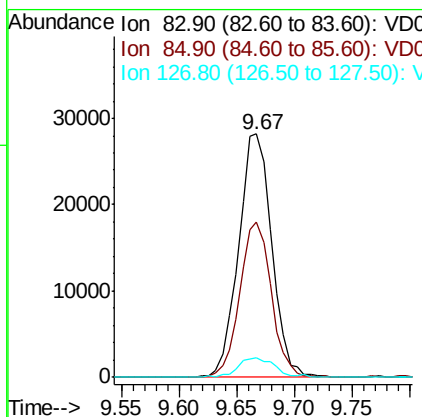
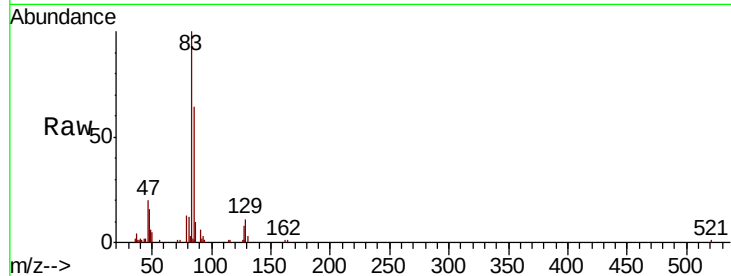
#47
Bromodichloromethane
Concen: 19.622 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	83	Resp	56335
Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.2	75.2
127	7.8	7.6	11.4

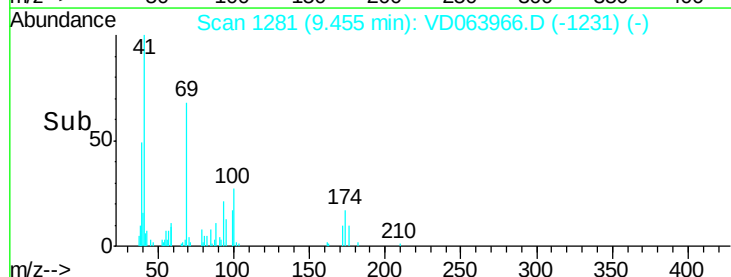
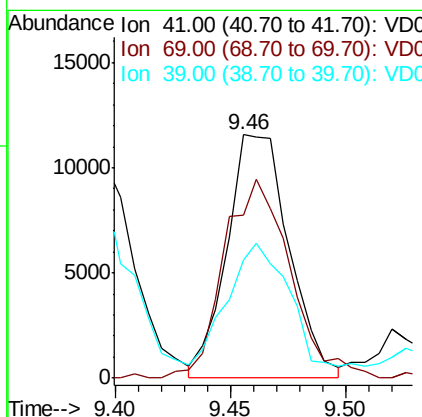
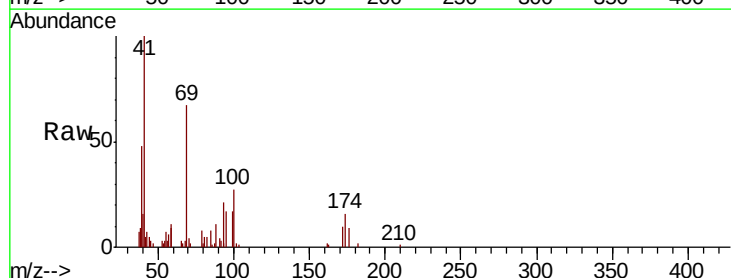
Manual Integrations
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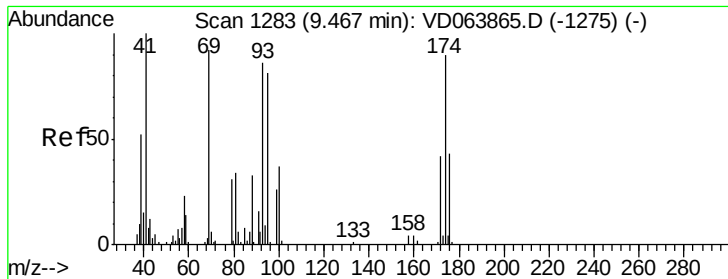
MMDadoda
10/18/2019 12:41:44 AM



#48
Methyl methacrylate
Concen: 19.334 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	41	Resp	21686
Ion	Ratio	Lower	Upper
41	100		
69	87.3	75.1	112.7
39	49.8	50.2	75.2#





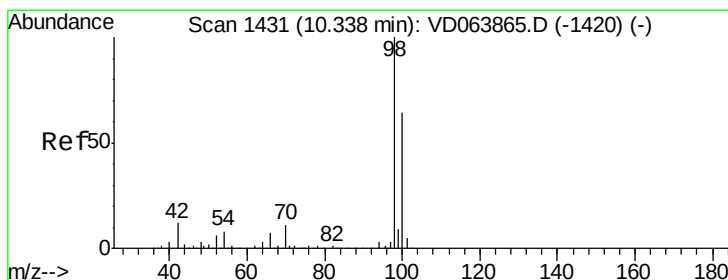
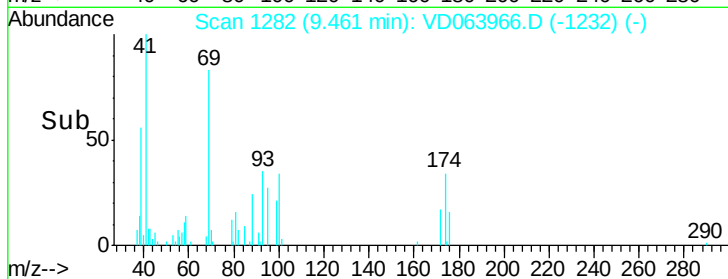
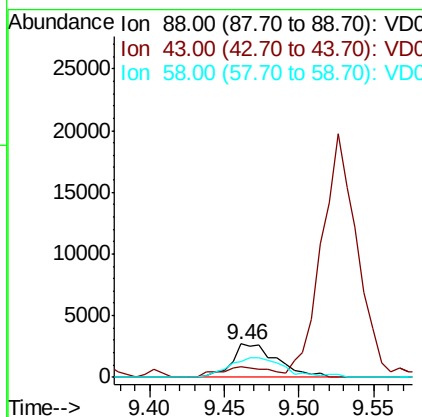
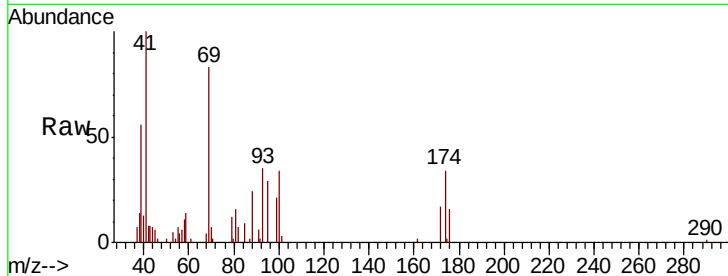
#49
1,4-Dioxane
Concen: 372.053 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.9	27.6	41.4
58	73.5	54.1	81.1

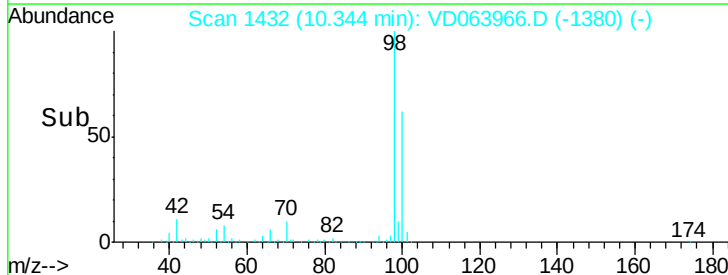
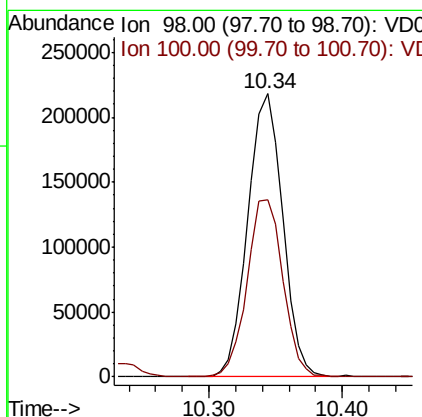
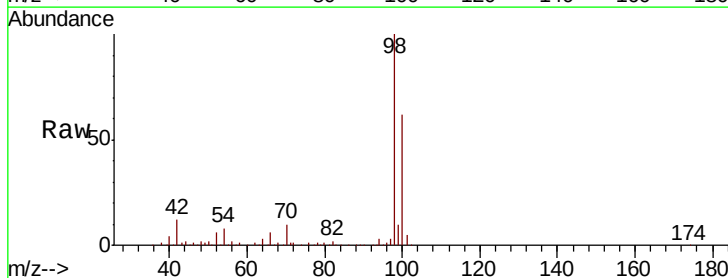
Manual Integrations
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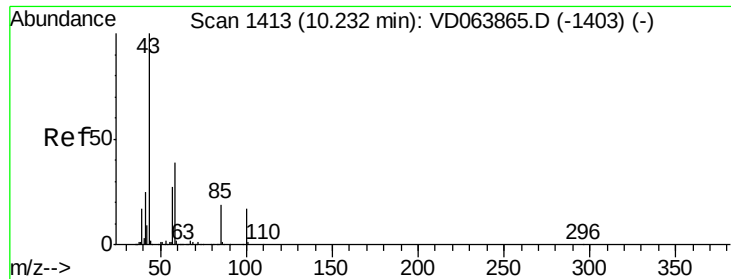
MMDadoda
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#50
Toluene-d8
Concen: 52.096 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1





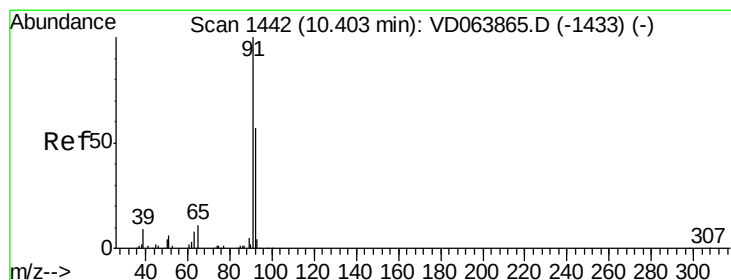
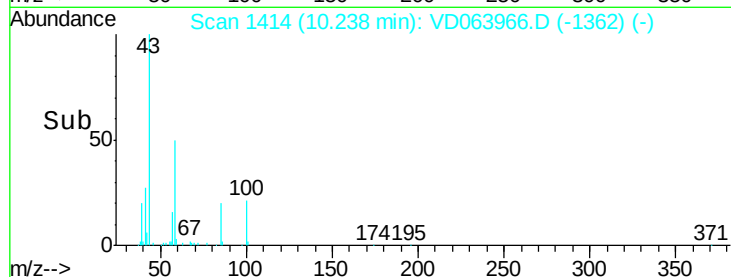
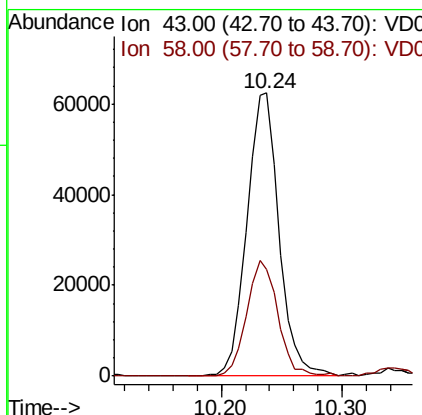
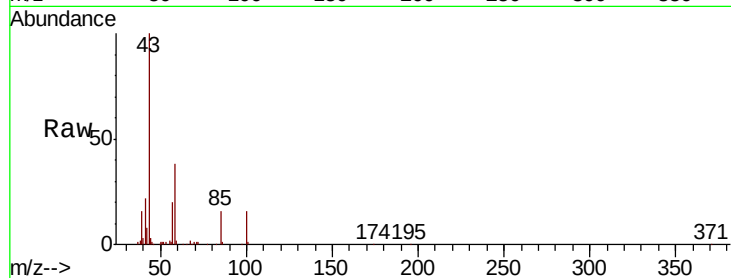
#51
4-Methyl-2-Pentanone
Concen: 95.789 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS001

Tot Ion	43	Resp	116297
Ion Ratio	100	Lower	Upper
43	100		
58	39.6	33.0	49.4

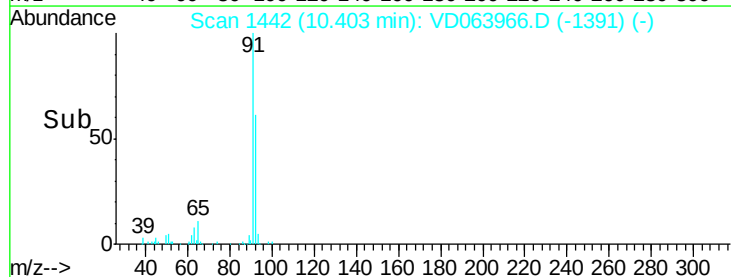
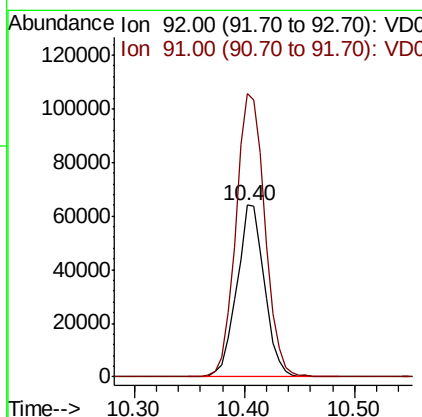
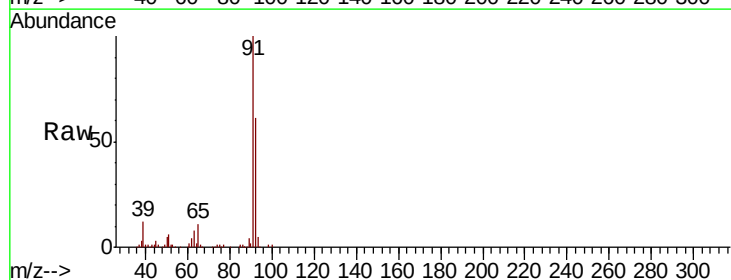
Manual Integrations
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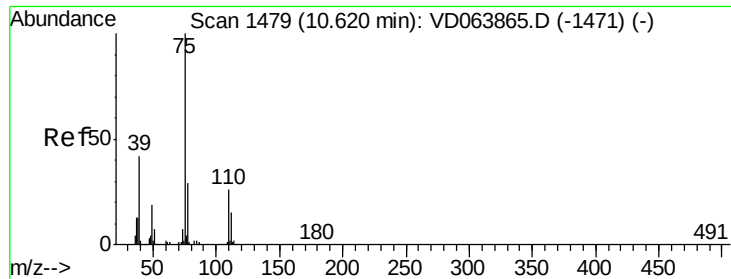
MMDadoda
10/18/2019 12:41:44 AM



#52
Toluene
Concen: 20.633 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	92	Resp	113304
Ion Ratio	100	Lower	Upper
92	100		
91	171.9	139.5	209.3





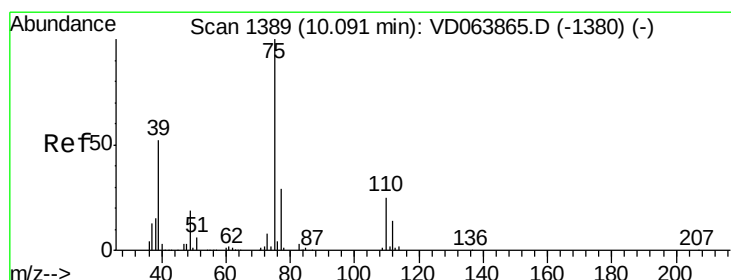
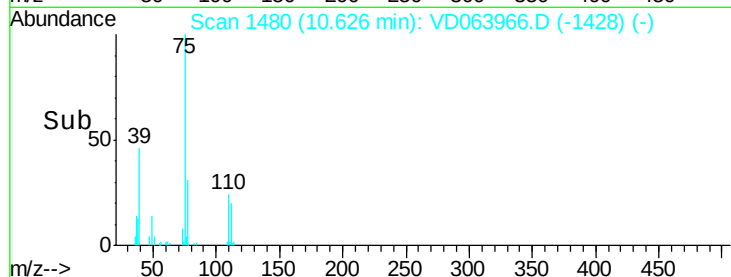
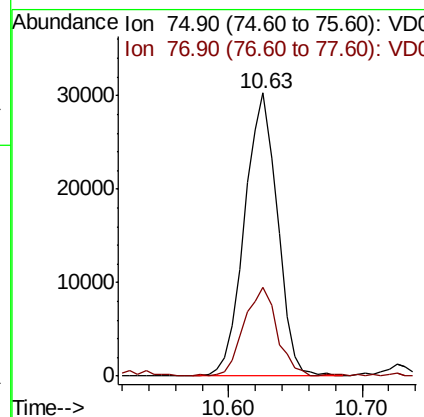
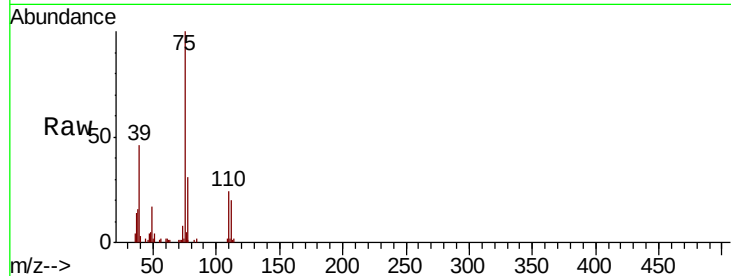
#53
 t-1,3-Dichloropropene
 Concen: 18.367 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Tot Ion: 75 Resp: 51456
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.8 34.2

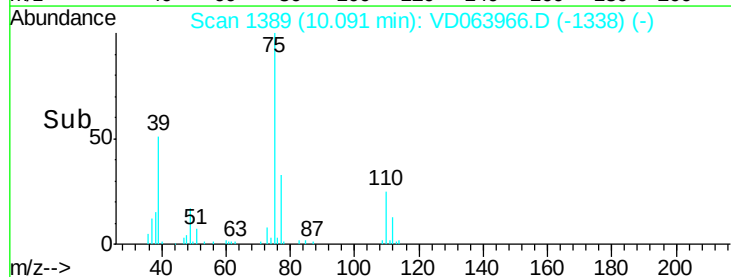
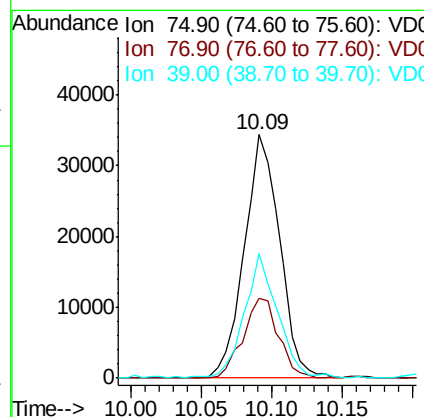
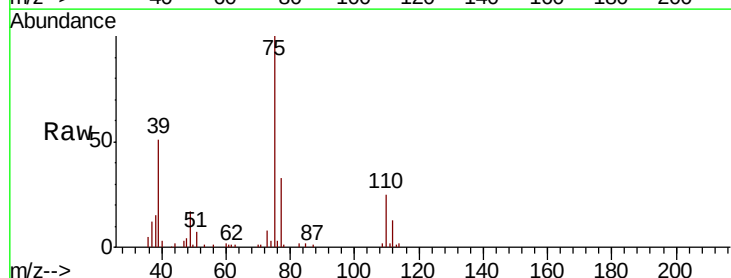
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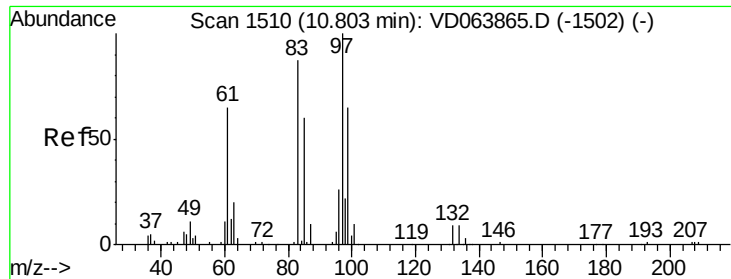
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 18.755 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Tgt Ion: 75 Resp: 60482
 Ion Ratio Lower Upper
 75 100
 77 33.0 23.2 34.8
 39 51.1 41.5 62.3





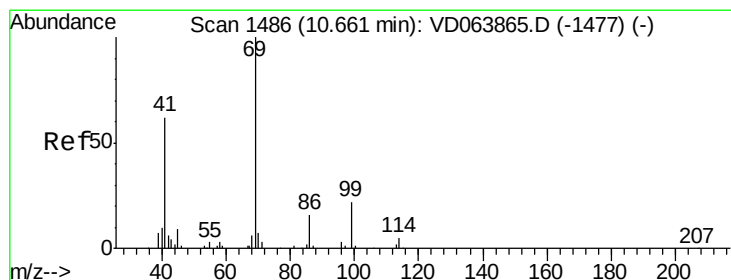
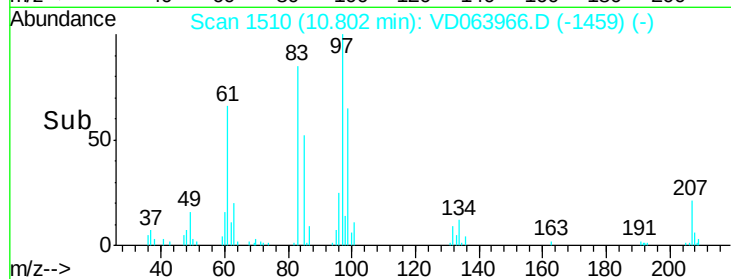
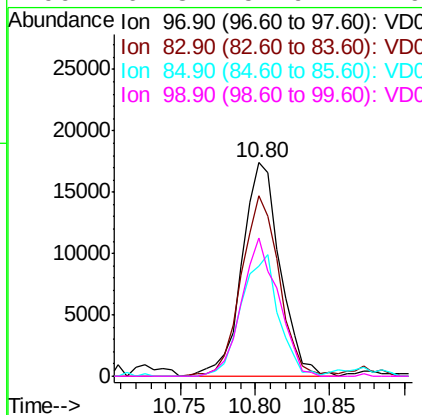
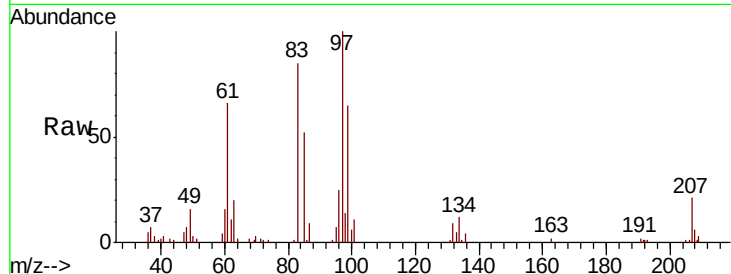
#55
 1,1,2-Trichloroethane
 Concen: 19.516 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Tot Ion:	97	Resp:	30727
Ion	Ratio	Lower	Upper
97	100		
83	83.9	69.7	104.5
85	51.7	48.1	72.1
99	64.8	51.9	77.9

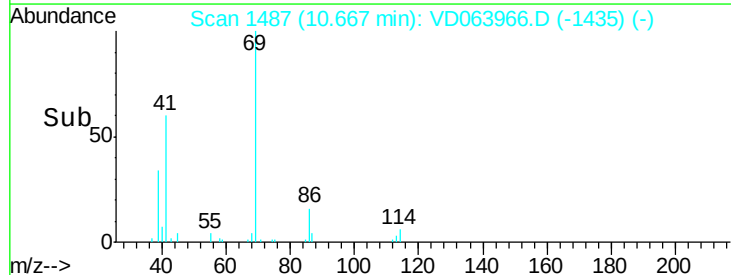
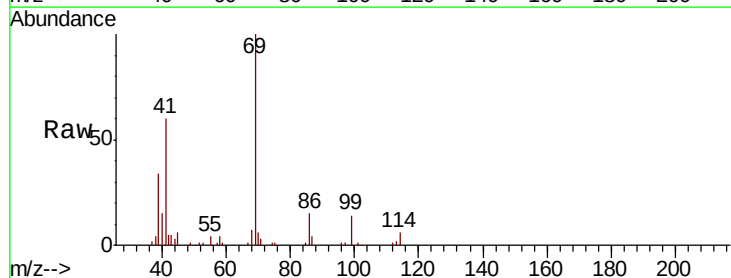
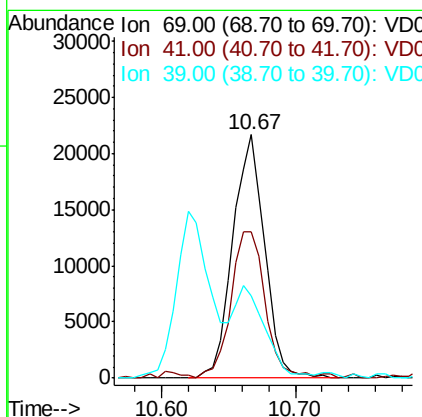
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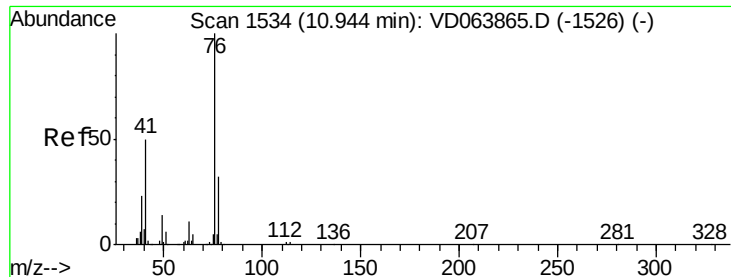
MMDadoda
 10/18/2019 12:41:44 AM



#56
 Ethyl methacrylate
 Concen: 18.016 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Tgt Ion:	69	Resp:	35921
Ion	Ratio	Lower	Upper
69	100		
41	65.4	51.3	76.9
39	35.8	28.0	42.0





#57

1,3-Dichloropropane

Concen: 19.206 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 76 Resp: 51739

Ion Ratio Lower Upper

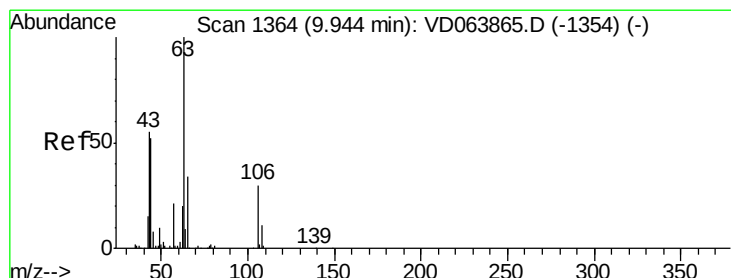
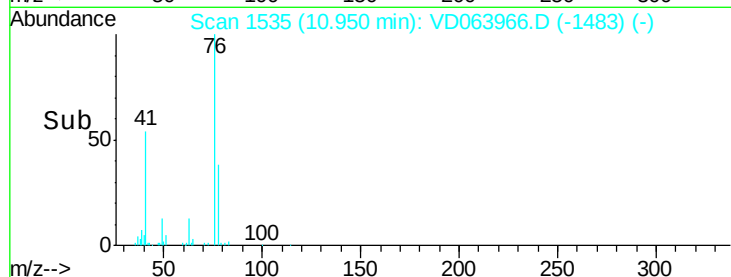
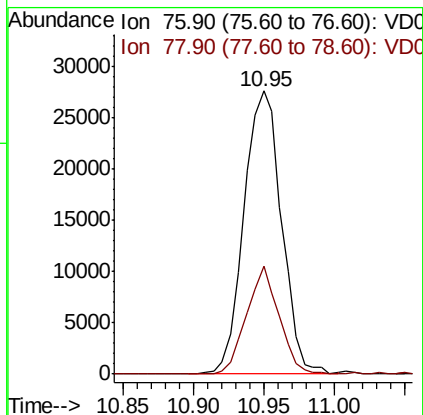
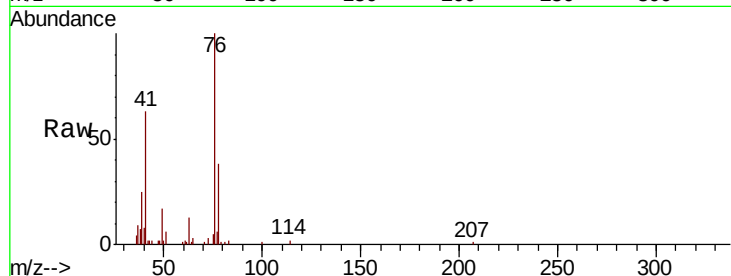
76 100

78 32.9 26.6 40.0

Manual Integrations
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MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 93.610 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063966.D

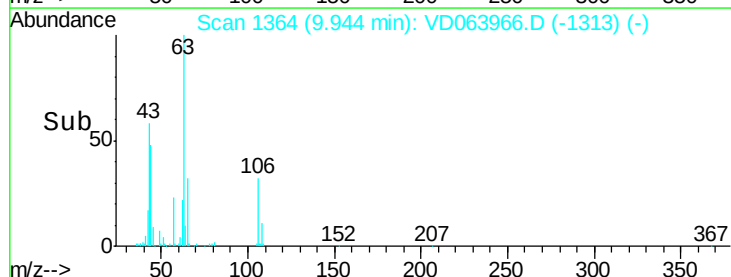
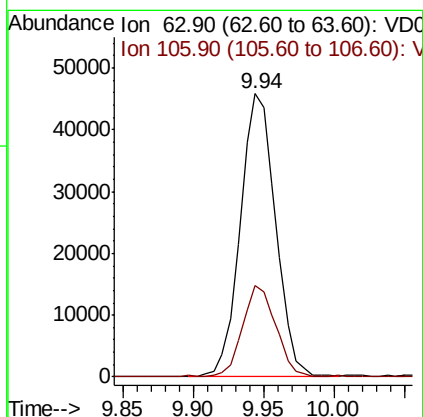
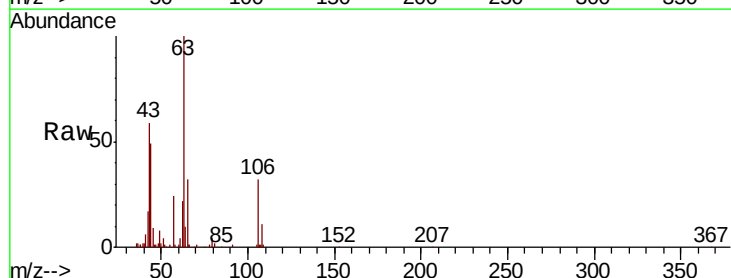
Acq: 15 Oct 2019 12:30

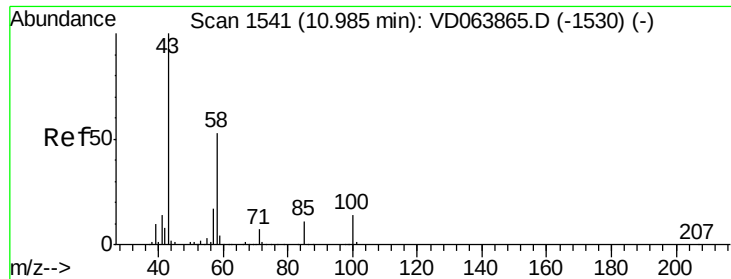
Tgt Ion: 63 Resp: 80226

Ion Ratio Lower Upper

63 100

106 30.4 24.3 36.5





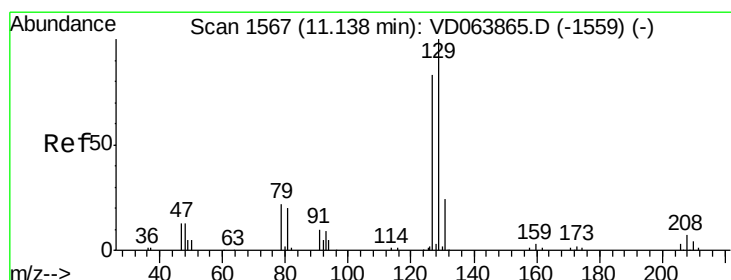
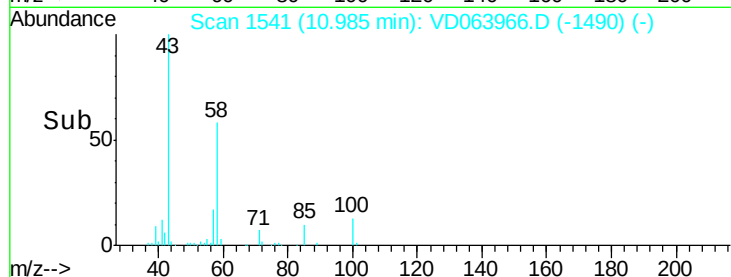
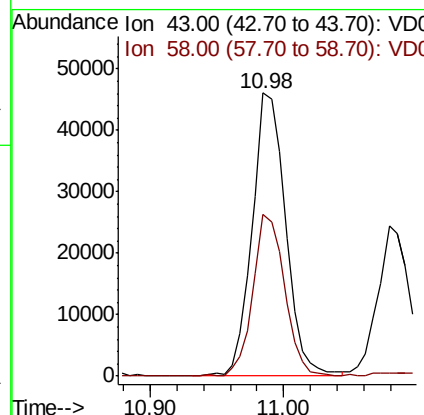
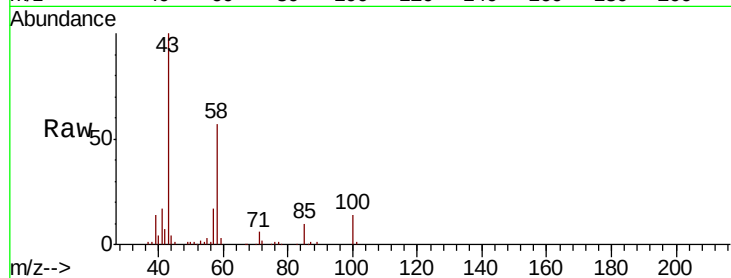
#59
2-Hexanone
Concen: 90.666 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion: 43 Resp: 79626
Ion Ratio Lower Upper
43 100
58 54.4 27.7 83.0

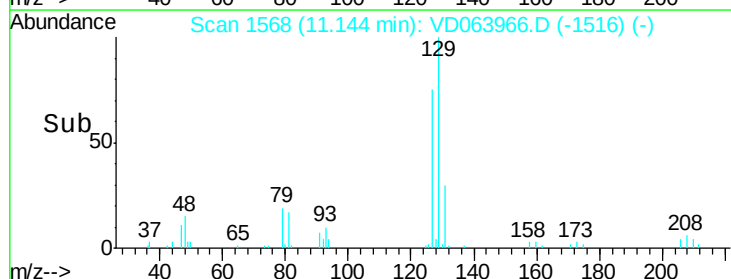
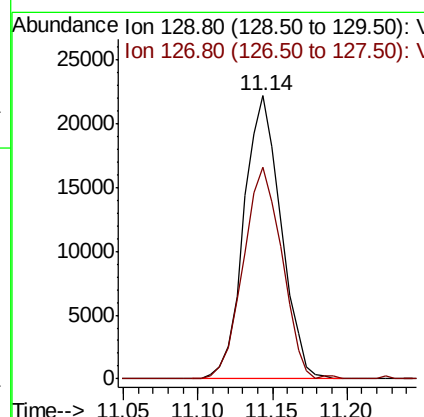
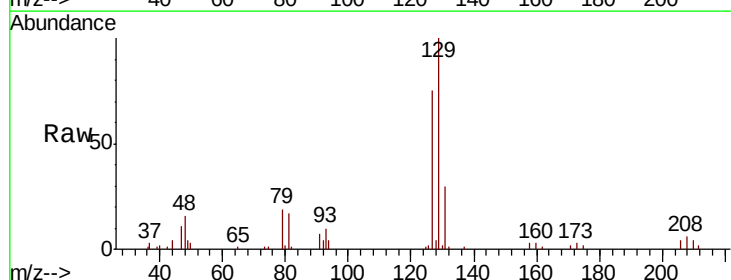
Manual Integrations
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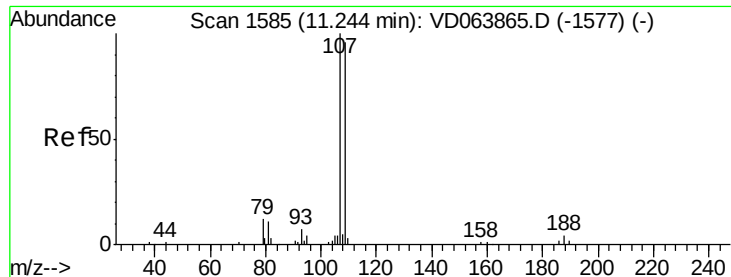
MMDadoda
10/18/2019 12:41:44 AM



#60
Dibromochloromethane
Concen: 18.641 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion: 129 Resp: 38211
Ion Ratio Lower Upper
129 100
127 77.9 39.9 119.6





#61

1,2-Dibromoethane

Concen: 19.394 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 107 Resp: 29602

Ion Ratio Lower Upper

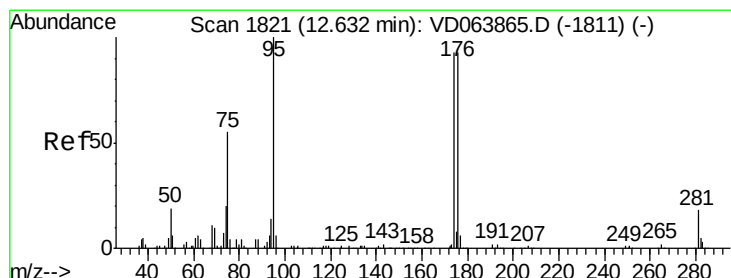
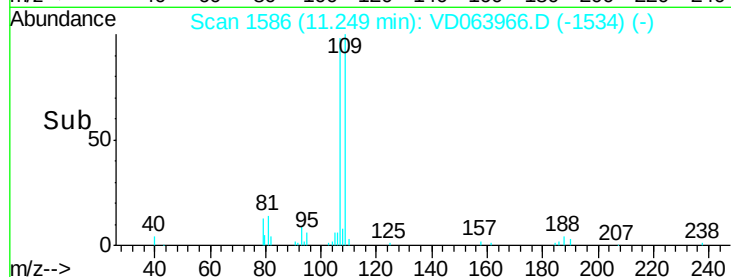
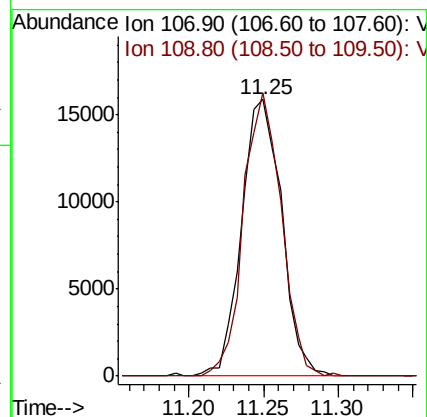
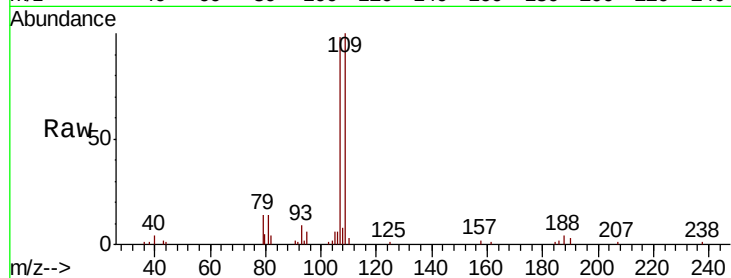
107 100

109 96.8 75.2 112.8

Manual Integrations
APPROVED

MMDadoda

10/18/2019 12:41:44 AM



#62

4-Bromofluorobenzene

Concen: 47.083 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

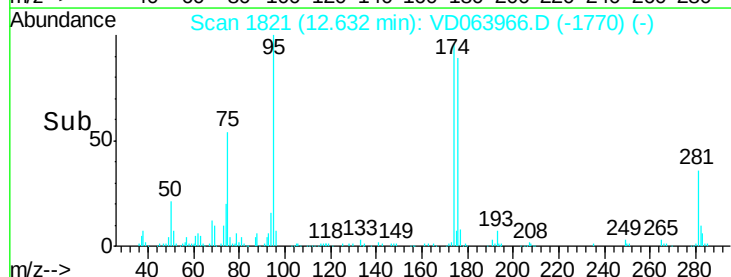
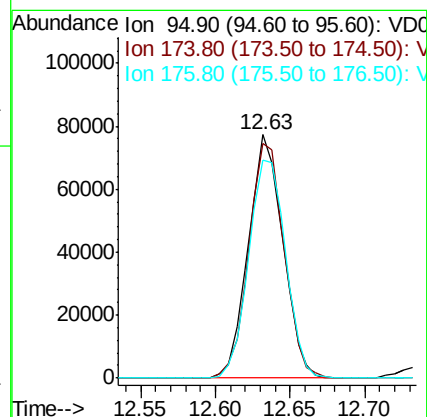
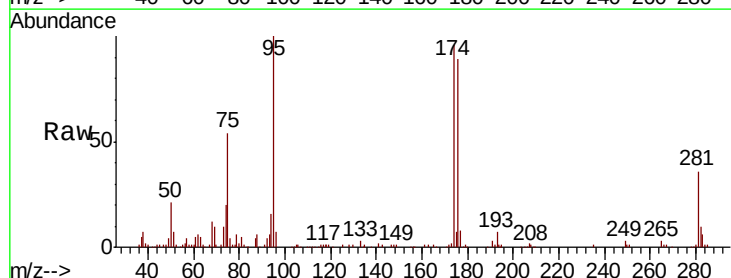
Tgt Ion: 95 Resp: 123903

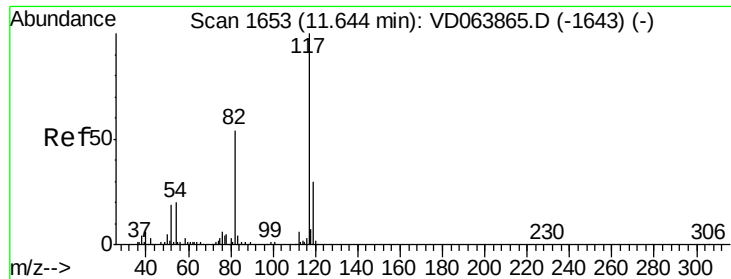
Ion Ratio Lower Upper

95 100

174 98.4 0.0 186.4

176 95.4 0.0 184.2





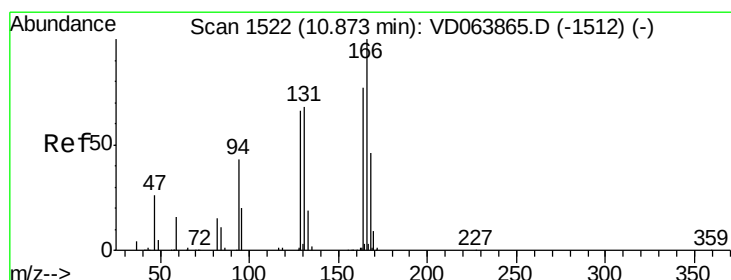
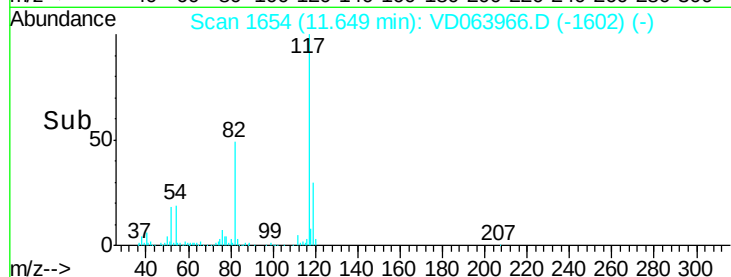
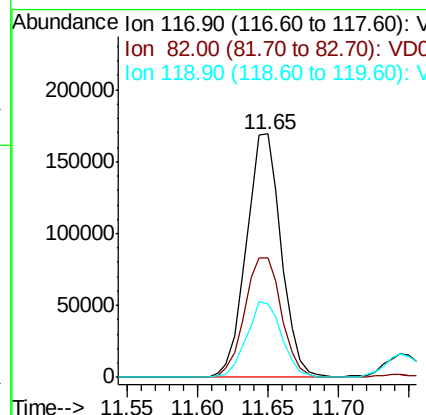
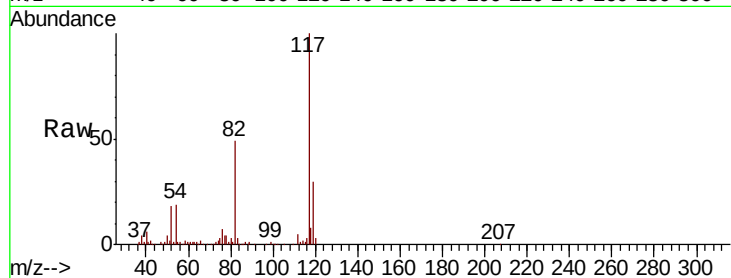
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	292667		
82	49.1		42.8	64.2
119	30.2		24.4	36.6

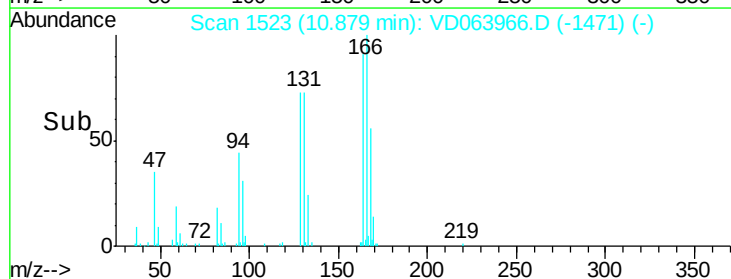
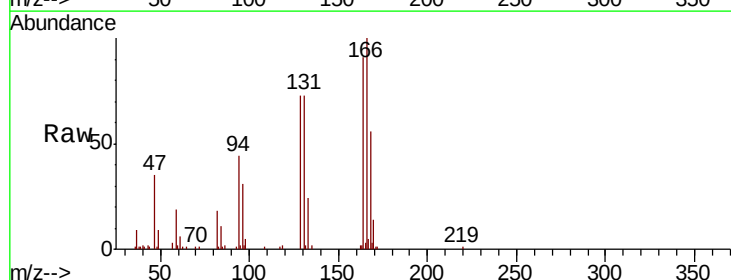
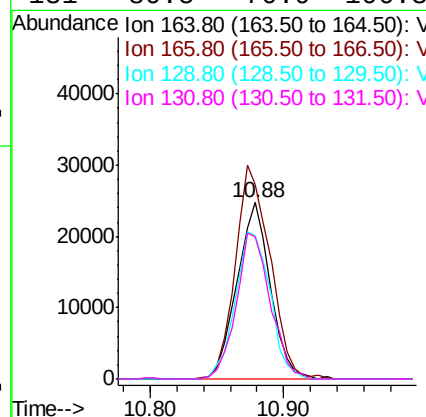
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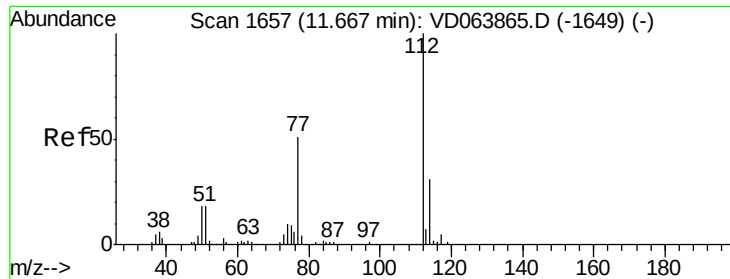
MMDadoda
10/18/2019 12:41:44 AM



#64
Tetrachloroethene
Concen: 21.492 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	42940		
166	110.4		103.8	155.6
129	81.0		68.9	103.3
131	80.5		70.9	106.3





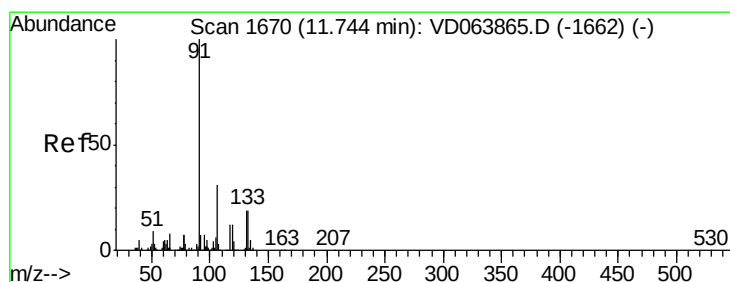
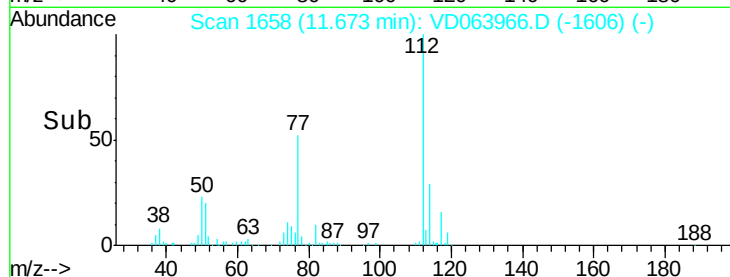
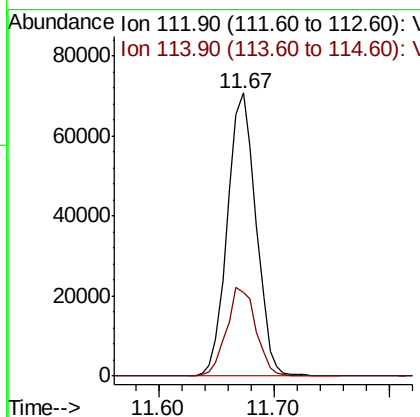
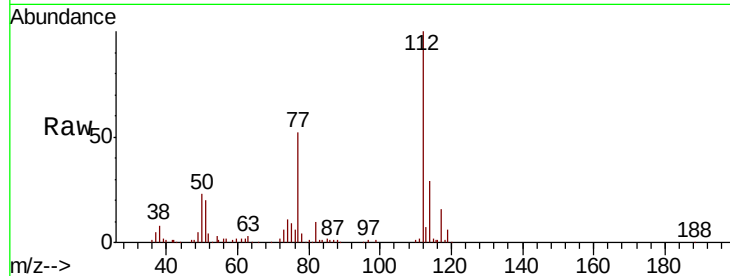
#65
Chlorobenzene
Concen: 20.751 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion:112 Resp: 121963
Ion Ratio Lower Upper
112 100
114 29.4 25.1 37.7

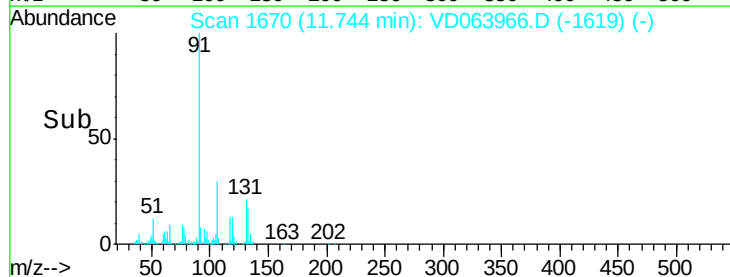
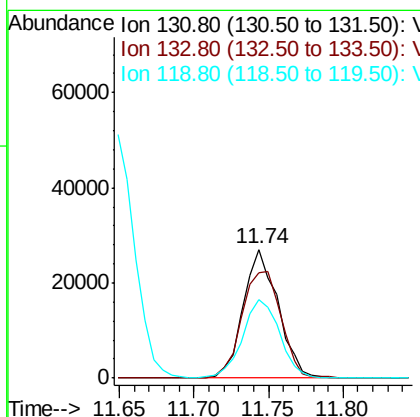
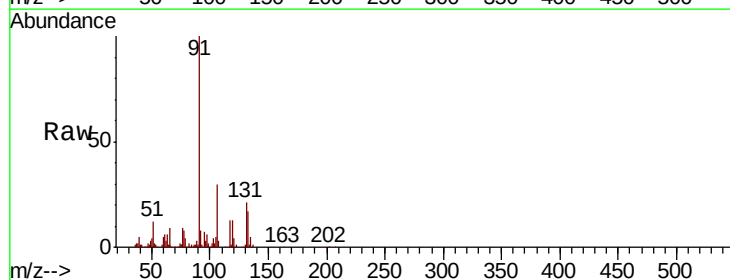
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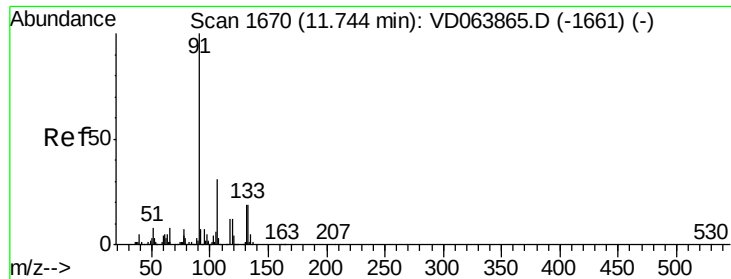
MMDadoda
10/18/2019 12:41:44 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.192 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion:131 Resp: 43731
Ion Ratio Lower Upper
131 100
133 93.8 48.9 146.7
119 64.8 32.6 97.8





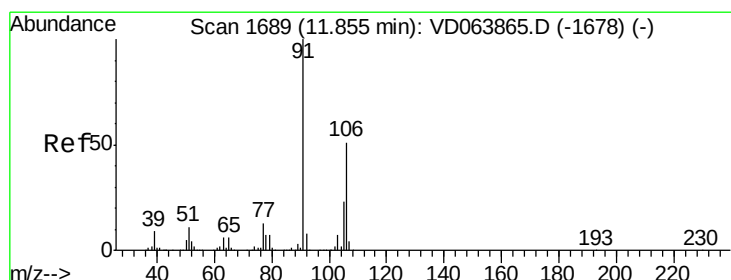
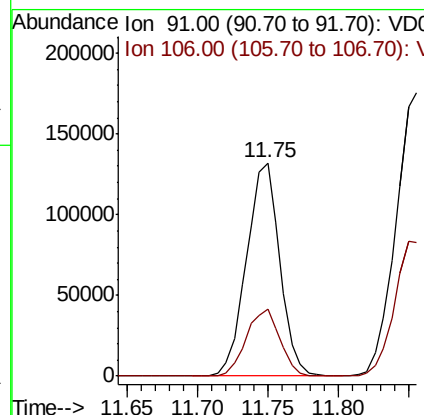
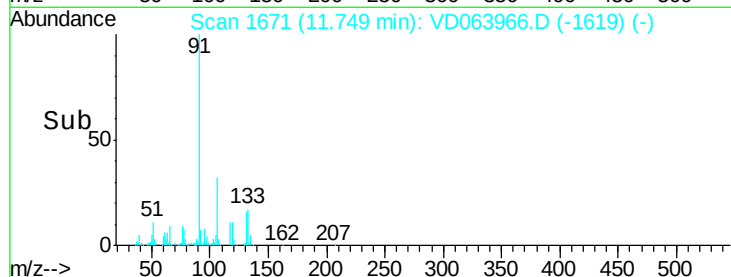
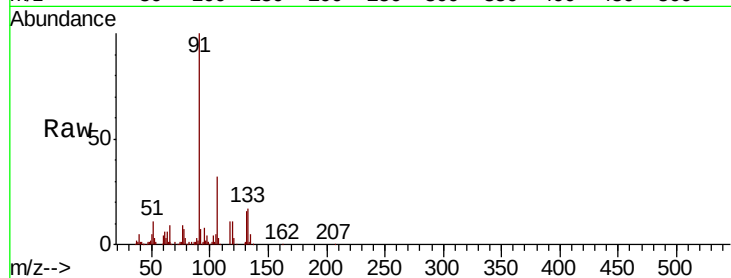
#67
Ethyl Benzene
Concen: 20.600 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion: 91 Resp: 218323
Ion Ratio Lower Upper
91 100
106 31.5 24.6 37.0

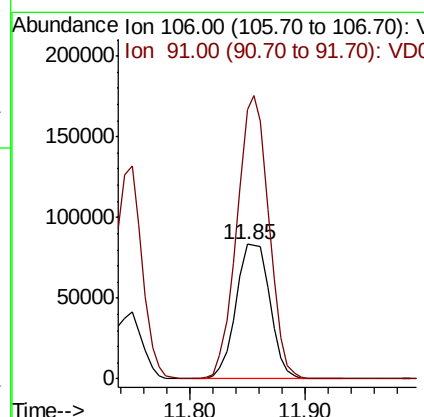
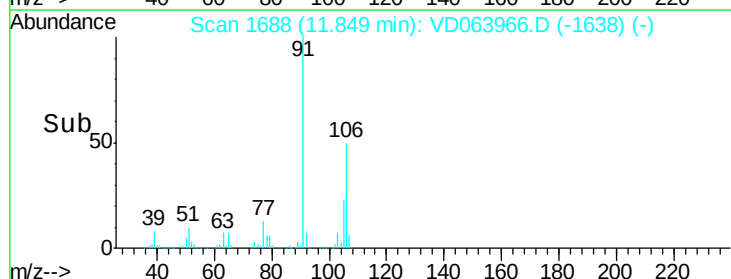
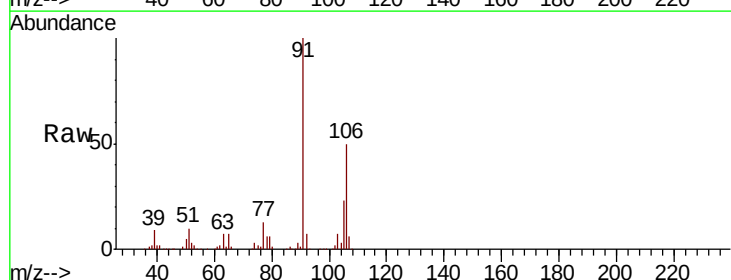
Manual Integrations
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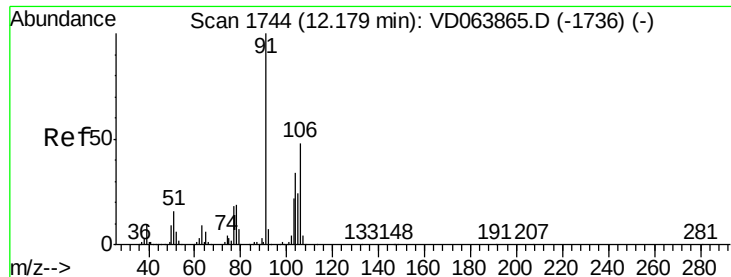
MMDadoda
10/18/2019 12:41:44 AM



#68
m/p-Xylenes
Concen: 41.619 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion: 106 Resp: 170253
Ion Ratio Lower Upper
106 100
91 197.5 154.8 232.2





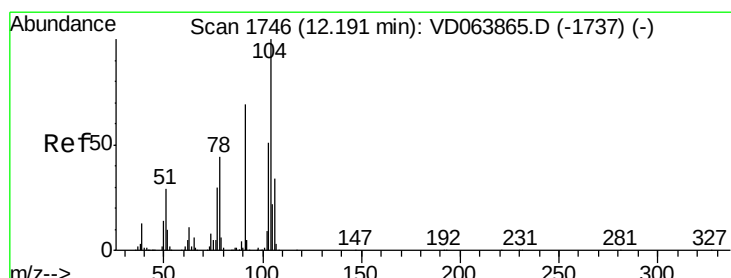
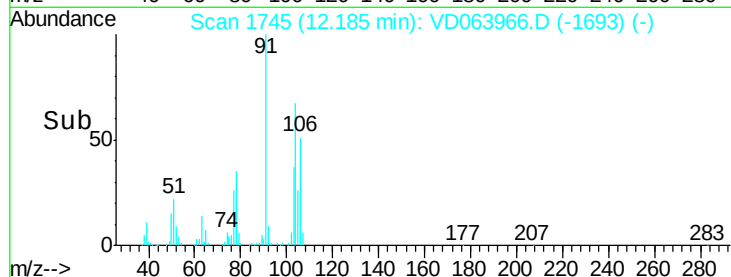
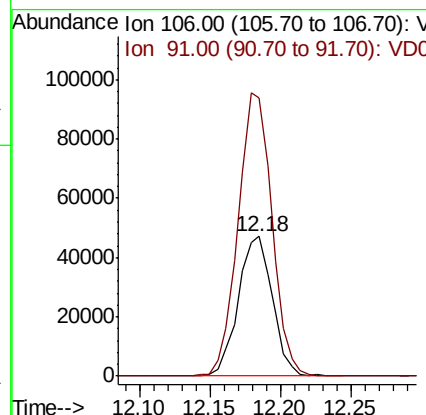
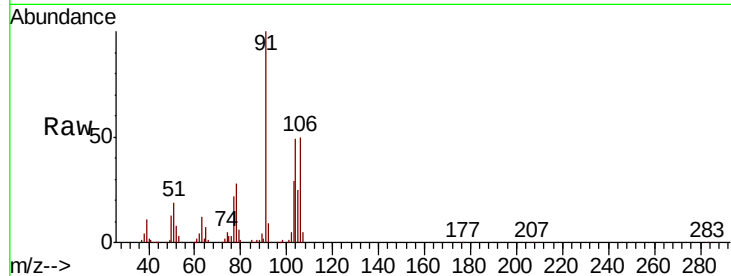
#69
o-Xylene
Concen: 20.290 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion:106 Resp: 79478
Ion Ratio Lower Upper
106 100
91 202.0 103.9 311.7

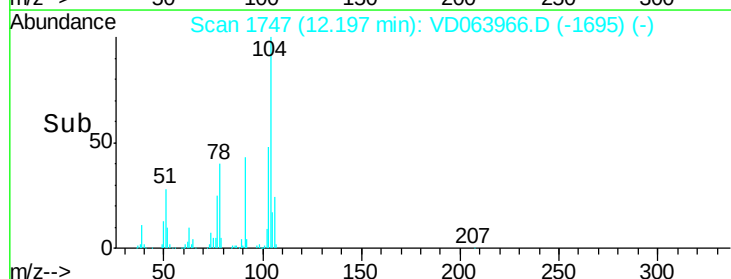
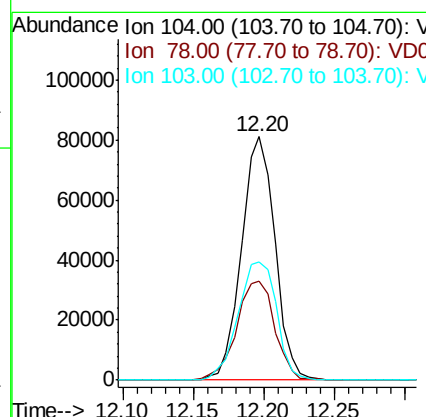
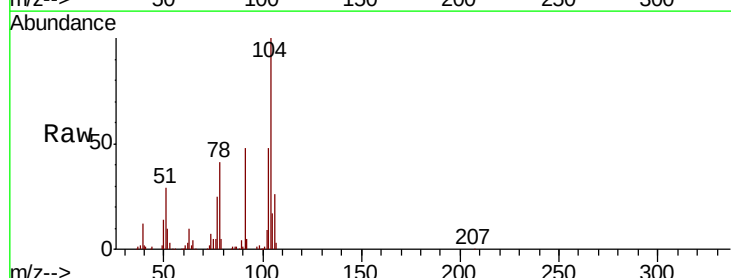
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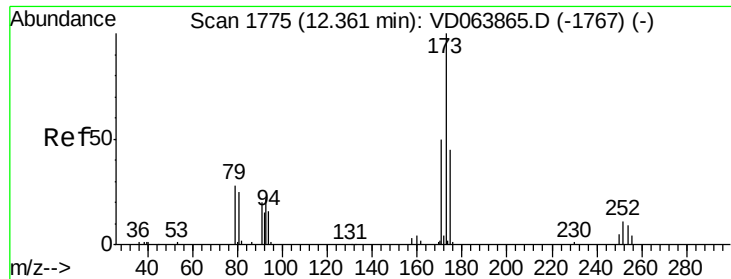
MMDadoda
10/18/2019 12:41:44 AM



#70
Styrene
Concen: 20.355 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion:104 Resp: 134974
Ion Ratio Lower Upper
104 100
78 46.4 37.0 55.4
103 55.9 44.2 66.4





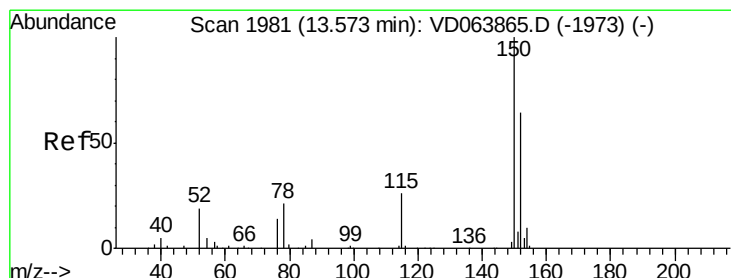
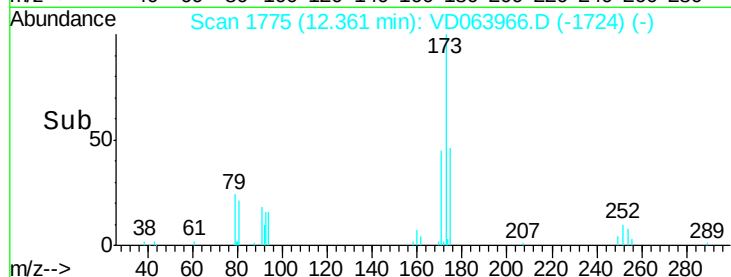
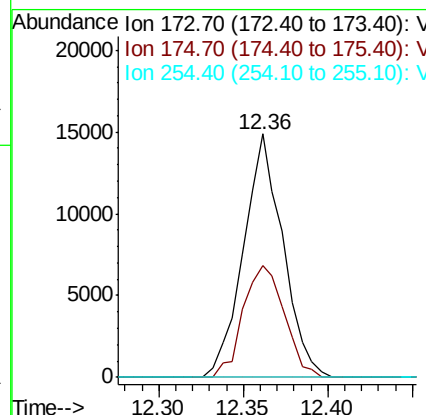
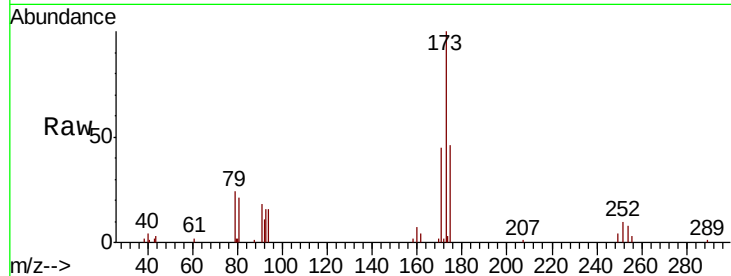
#71
Bromoform
Concen: 20.832 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.6	74.0
254	0.0	0.0	0.0

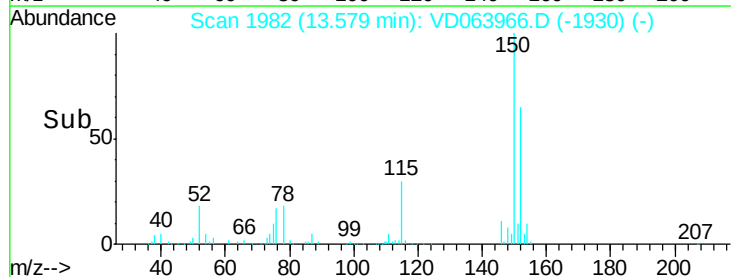
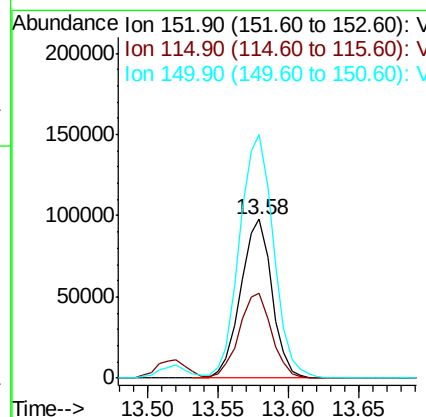
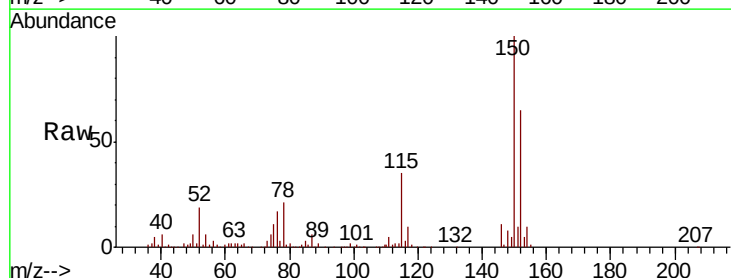
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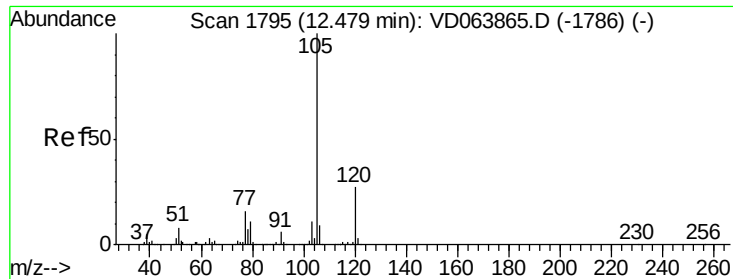
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10/18/2019 12:41:44 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	25.9	77.7
150	167.2	0.0	344.2





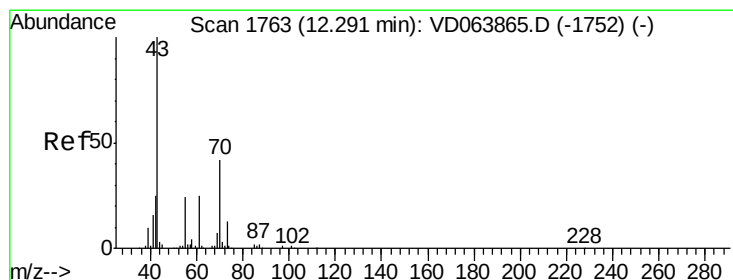
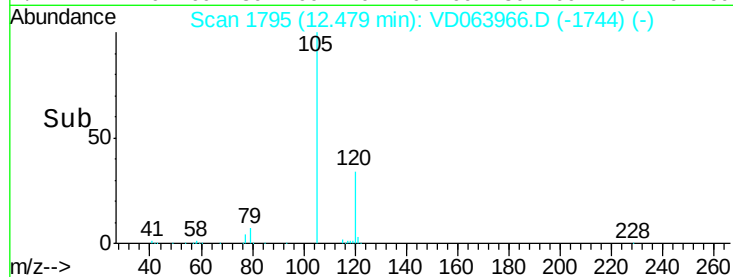
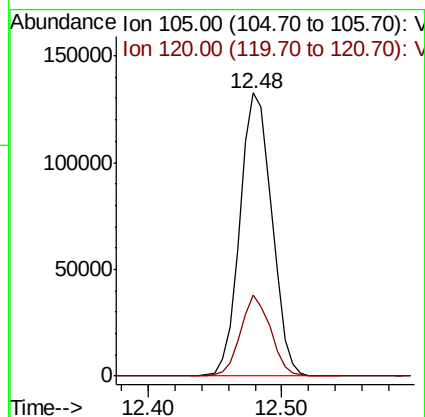
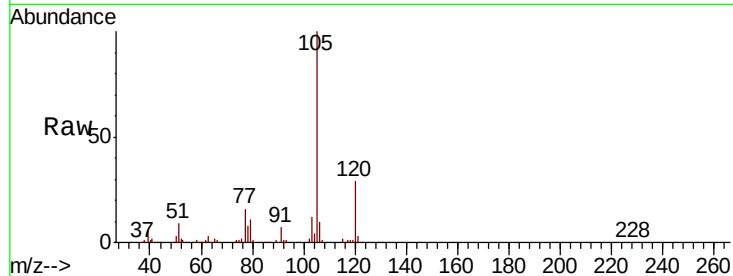
#73
Isopropylbenzene
Concen: 21.513 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.3	39.8

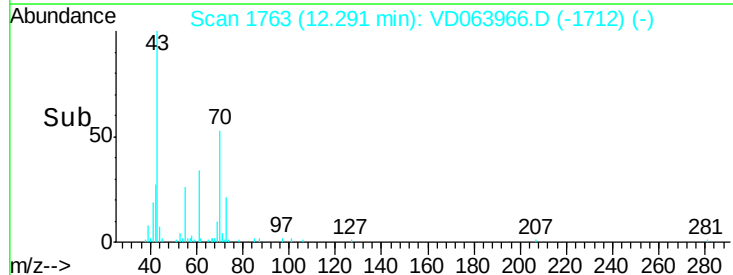
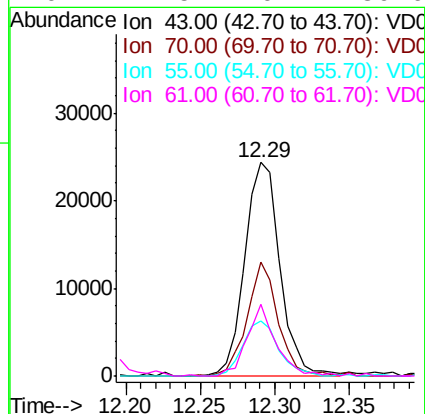
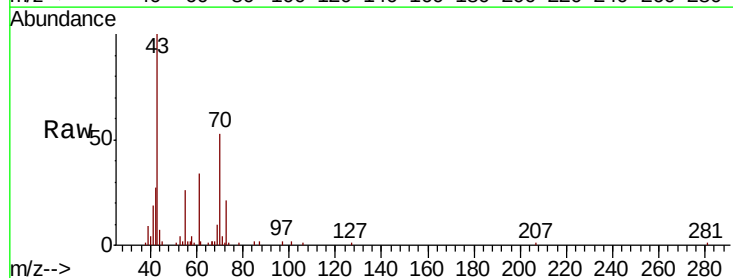
Manual Integrations
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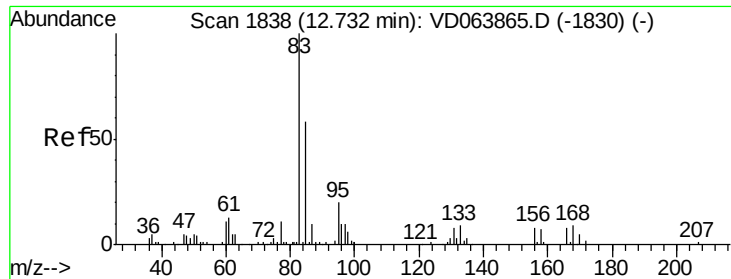
MMDadoda
10/18/2019 12:41:44 AM



#74
N-ethyl acetate
Concen: 18.118 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.6	35.8	53.6
55	26.2	19.4	29.0
61	27.5	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.390 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

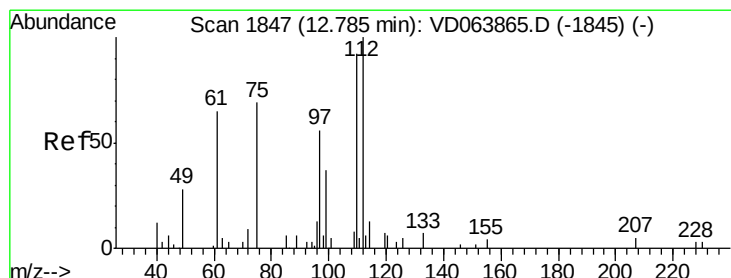
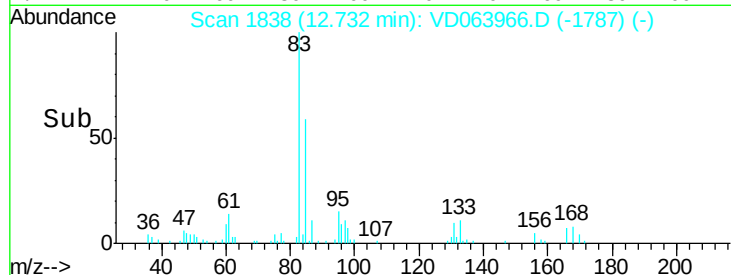
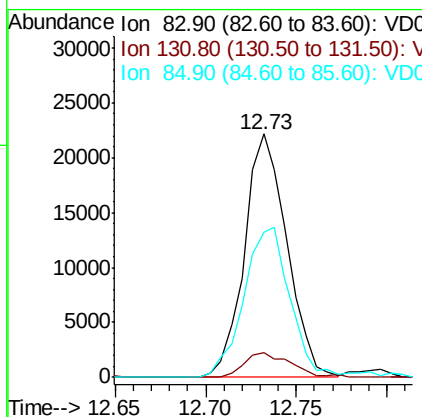
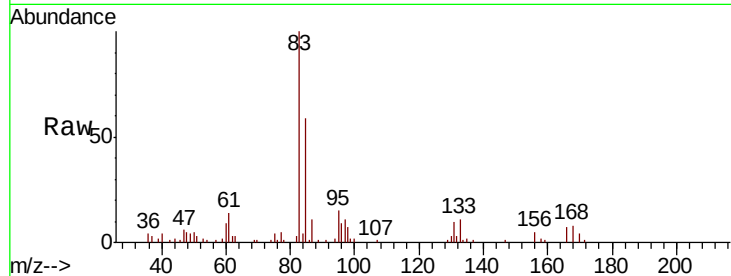
ClientSampleId :

VD1015SBS01

Tot Ion:	83	Resp:	36136
Ion	Ratio	Lower	Upper
83	100		
131	11.1	5.6	16.8
85	67.0	32.3	96.8

Manual Integrations
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10/18/2019 12:41:44 AM



#76

1,2,3-Trichloropropane

Concen: 29.060 ug/l m

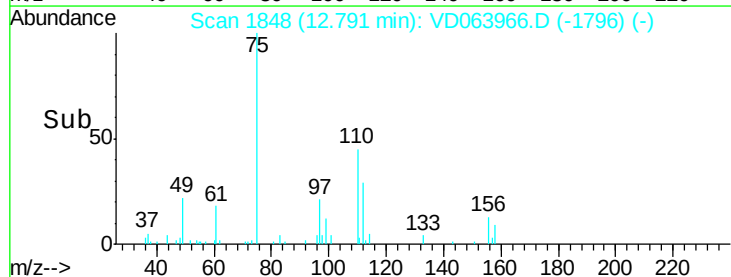
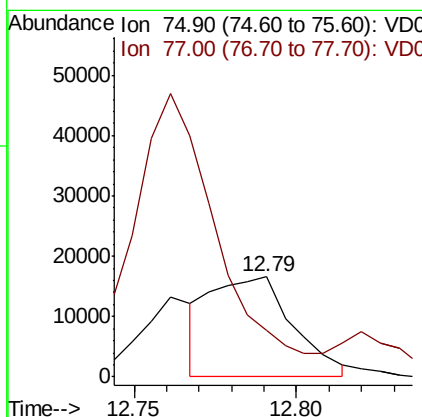
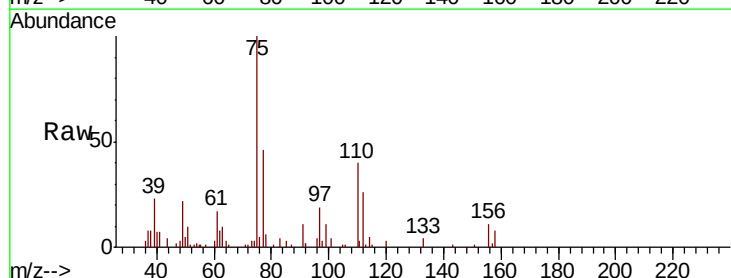
RT: 12.79 min Scan# 1848

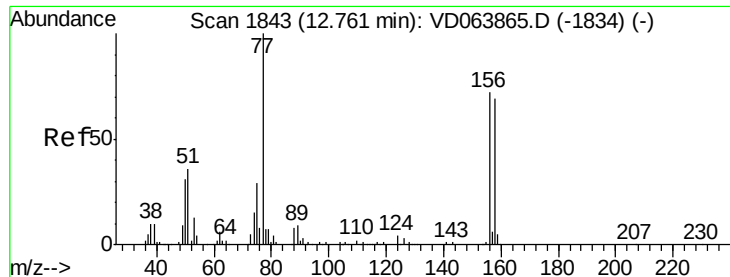
Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Tgt Ion:	75	Resp:	29487
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





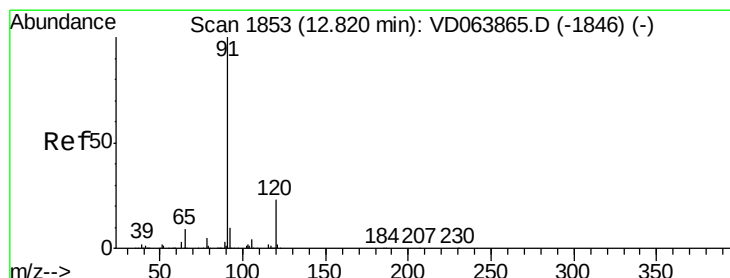
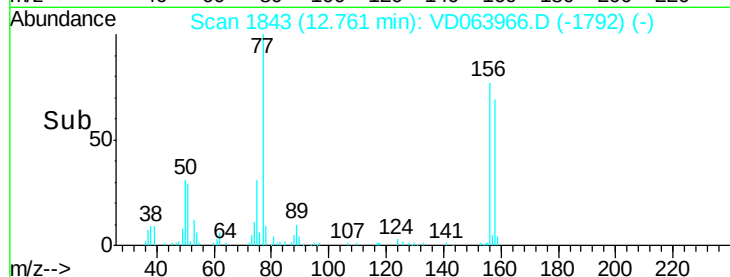
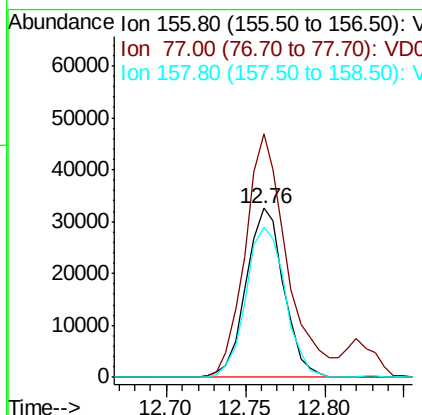
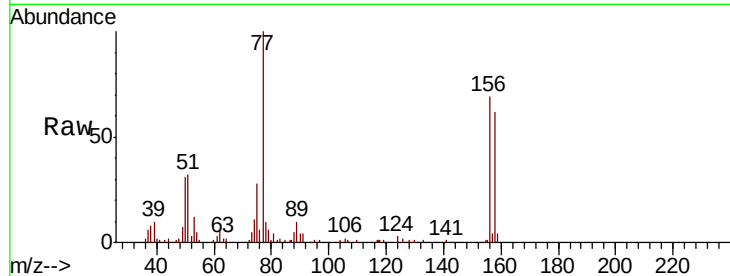
#77
Bromobenzene
Concen: 21.325 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	157.7	80.3	241.0
158	92.5	47.4	142.2

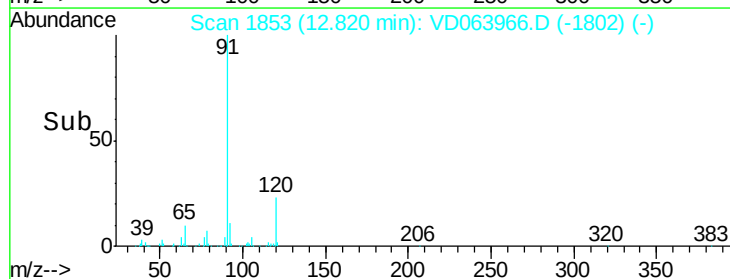
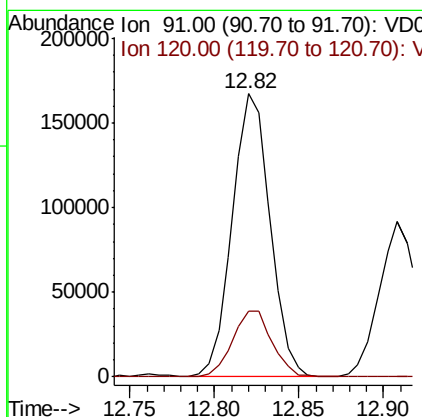
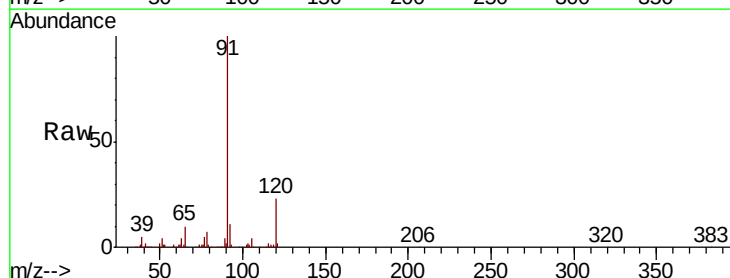
Manual Integrations
APPROVED

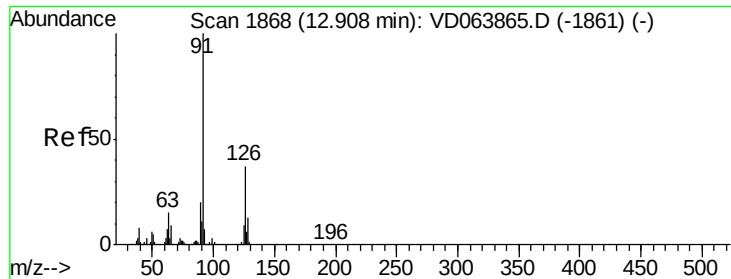
MMDadoda
10/18/2019 12:41:44 AM



#78
n-propylbenzene
Concen: 21.779 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.0	36.0





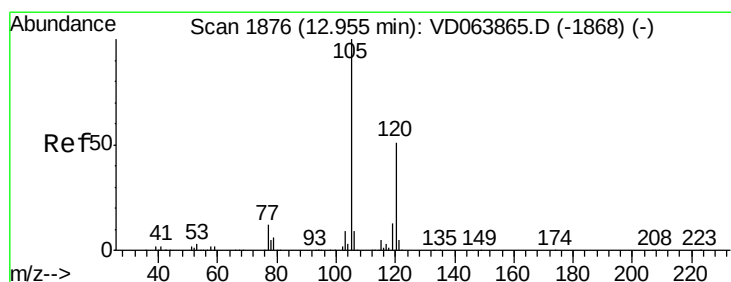
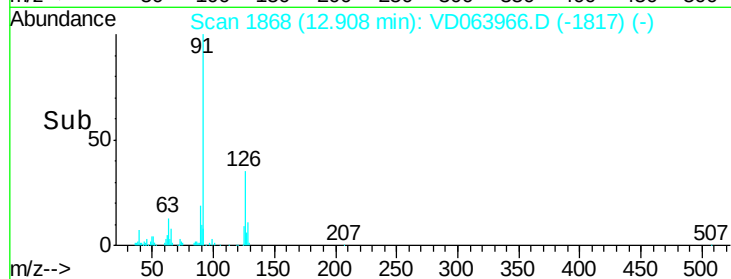
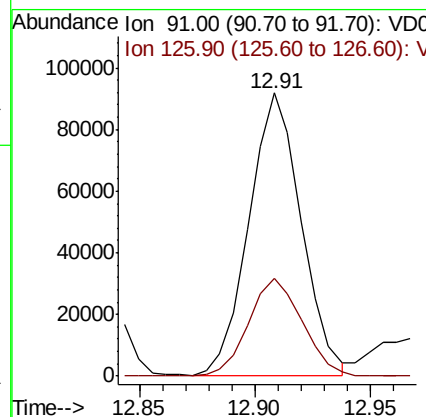
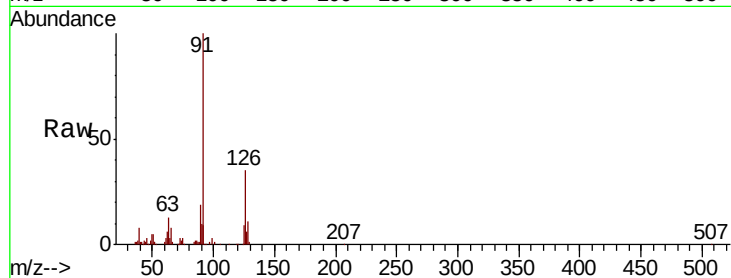
#79
2-Chlorotoluene
Concen: 21.963 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion: 91 Resp: 144767
Ion Ratio Lower Upper
91 100
126 35.4 18.4 55.2

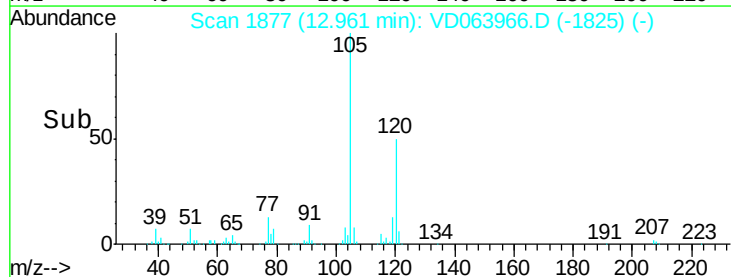
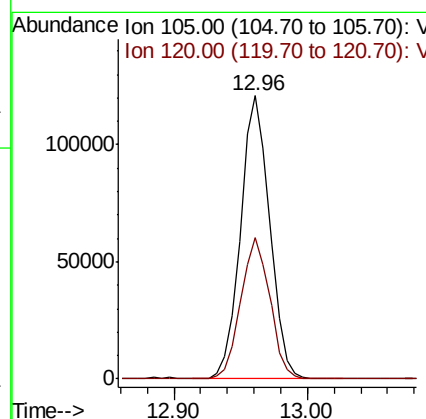
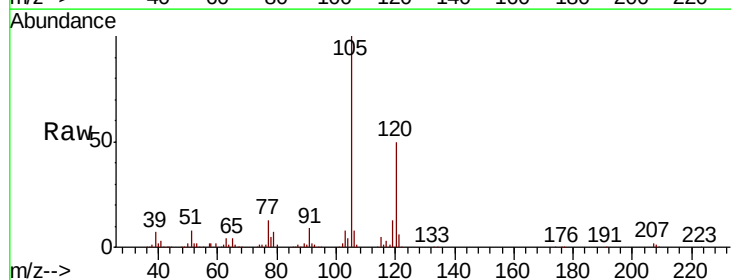
Manual Integrations
APPROVED

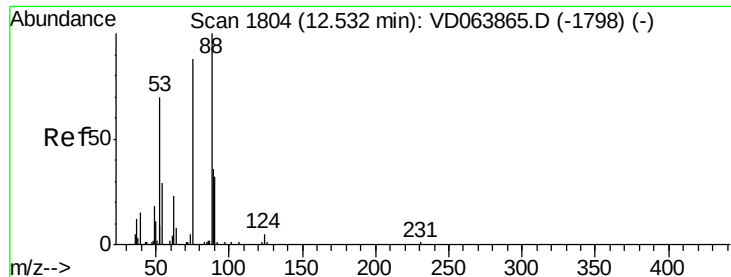
MMDadoda
10/18/2019 12:41:44 AM



#80
1,3,5-Trimethylbenzene
Concen: 21.490 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion: 105 Resp: 182591
Ion Ratio Lower Upper
105 100
120 50.1 25.9 77.8





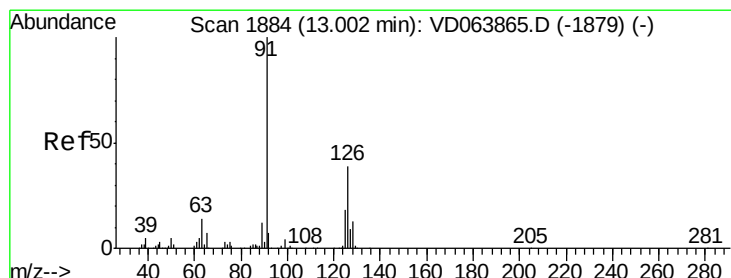
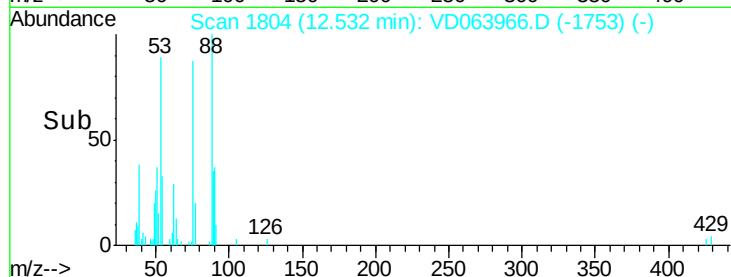
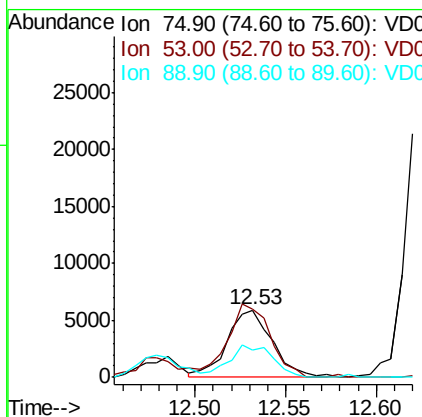
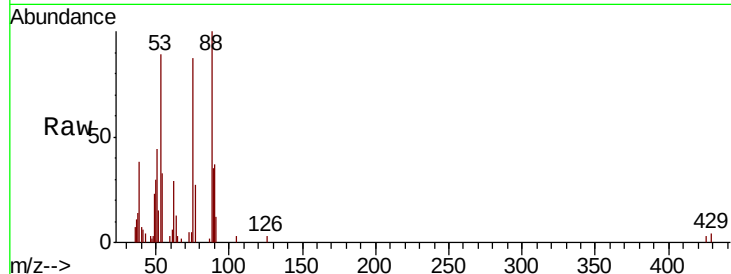
#81
trans-1,4-Dichloro-2-butene
Concen: 17.855 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.8	75.0	112.6
89	46.3	38.2	57.4

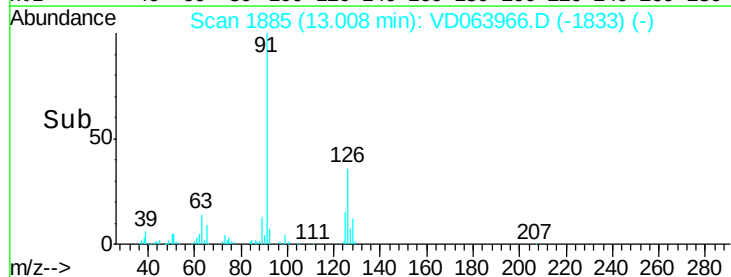
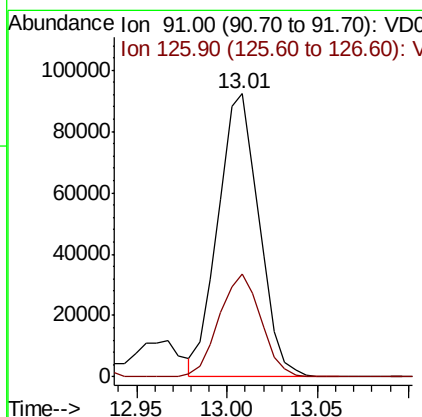
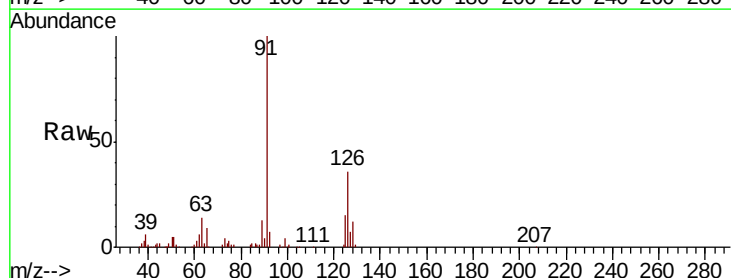
Manual Integrations
APPROVED

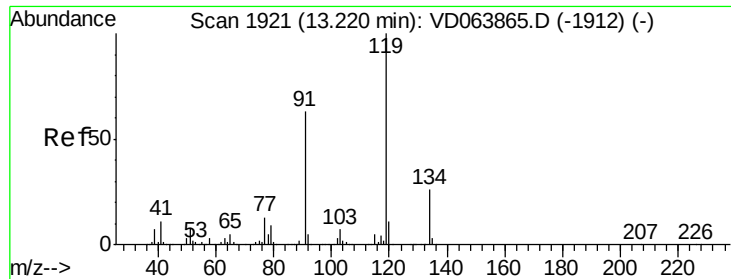
MMDadoda
10/18/2019 12:41:44 AM



#82
4-Chlorotoluene
Concen: 20.729 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.9	18.6	55.8





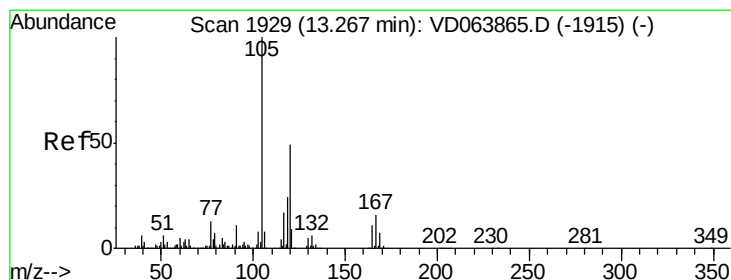
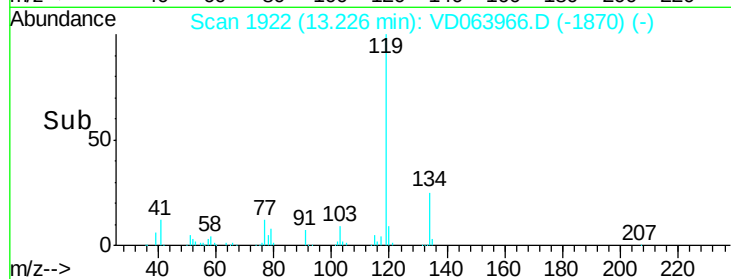
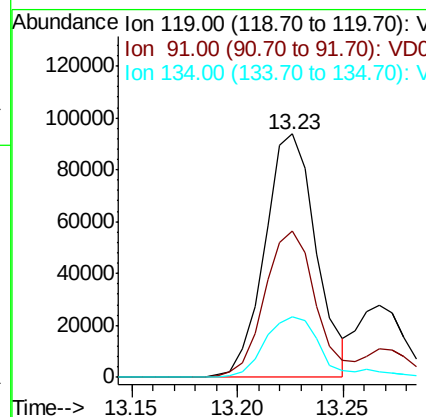
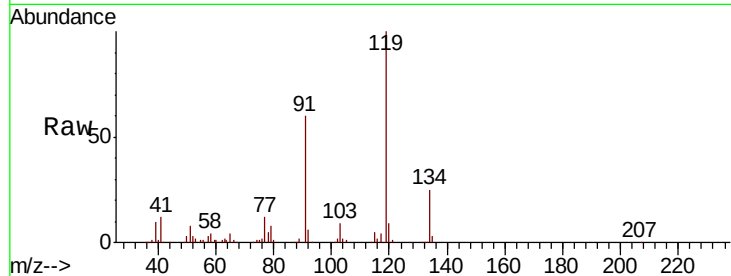
#83
 tert-Butylbenzene
 Concen: 20.945 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.4	30.0	90.0
134	28.4	13.0	38.9

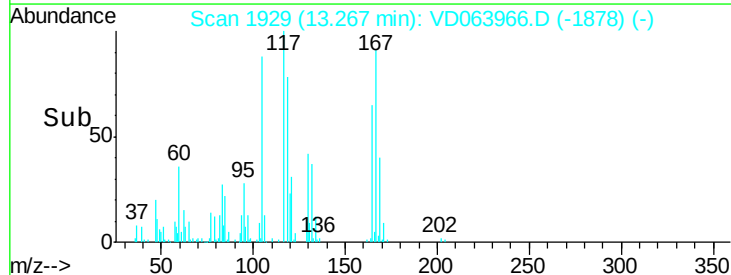
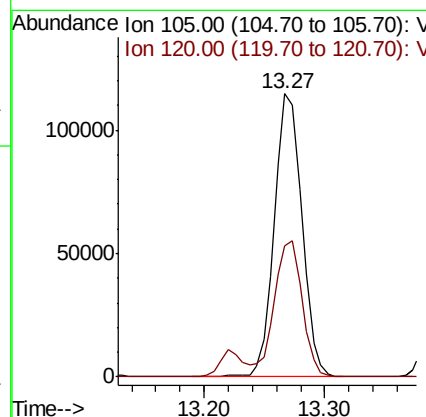
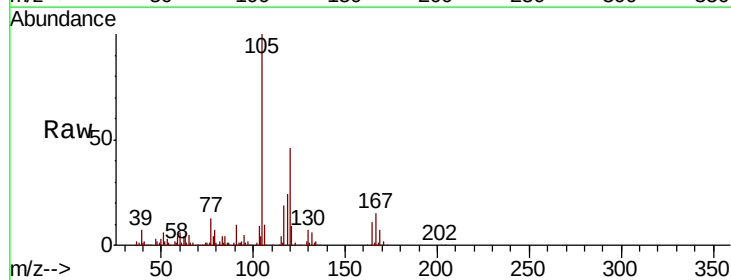
Manual Integrations
 APPROVED

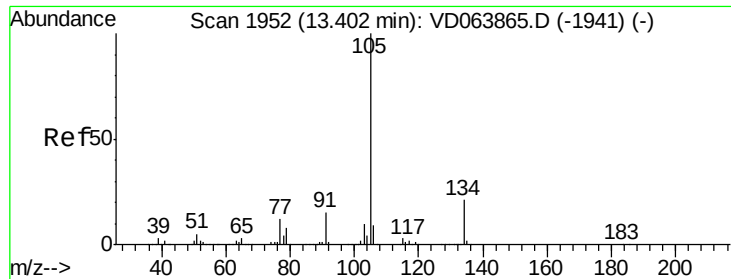
MMDadoda
 10/18/2019 12:41:44 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.712 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.8	71.5





#85

sec-Butylbenzene

Concen: 22.194 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion:105 Resp: 226646

Ion Ratio Lower Upper

105 100

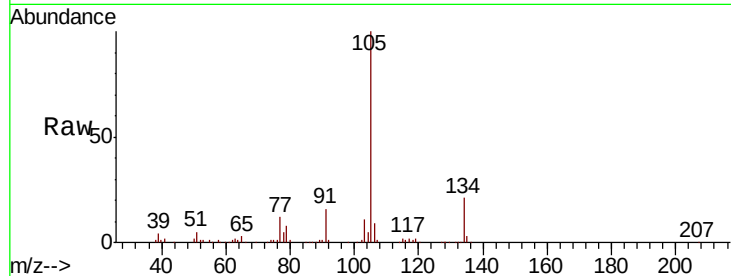
134 21.8 10.6 31.8

Manual Integrations

APPROVED

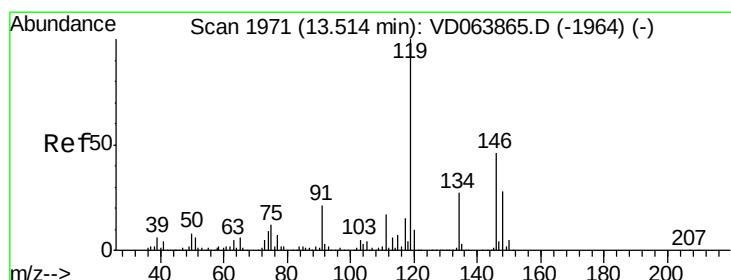
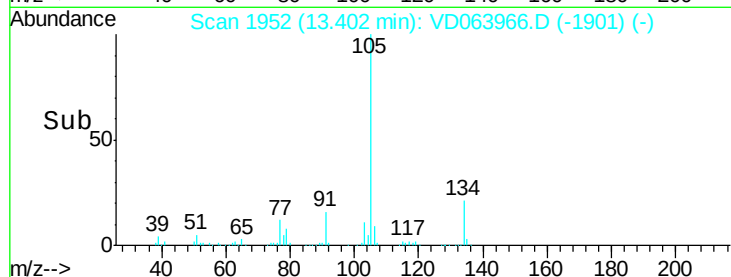
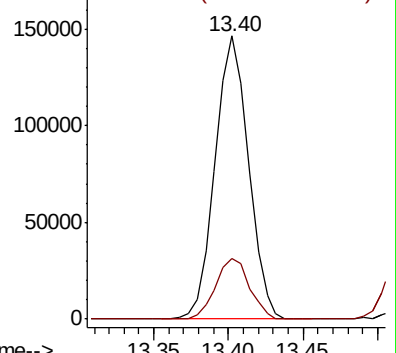
MMDadoda

10/18/2019 12:41:44 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.610 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063966.D

Acq: 15 Oct 2019 12:30

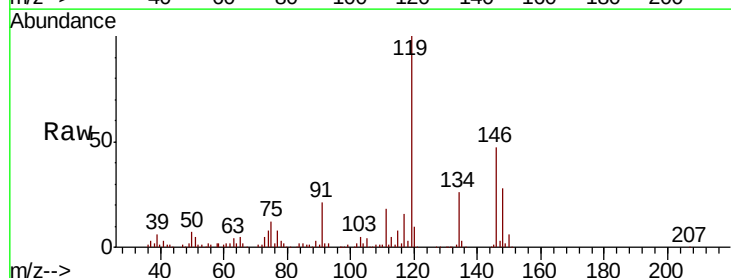
Tgt Ion:119 Resp: 208821

Ion Ratio Lower Upper

119 100

134 27.2 13.9 41.6

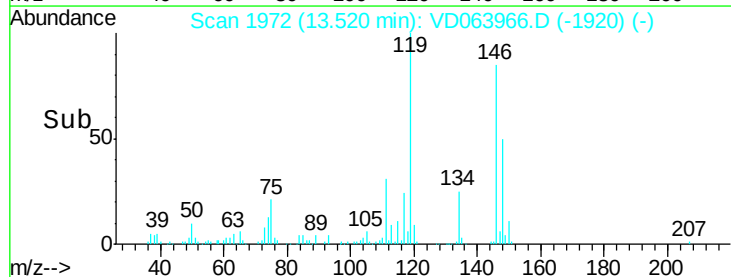
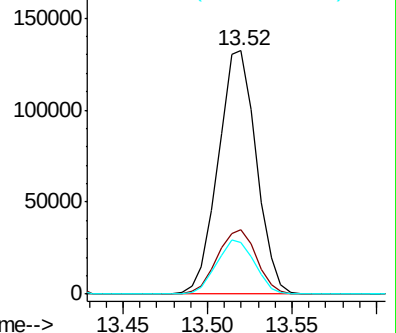
91 22.0 11.2 33.5

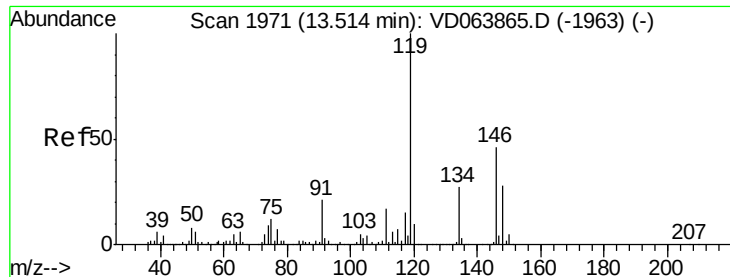


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





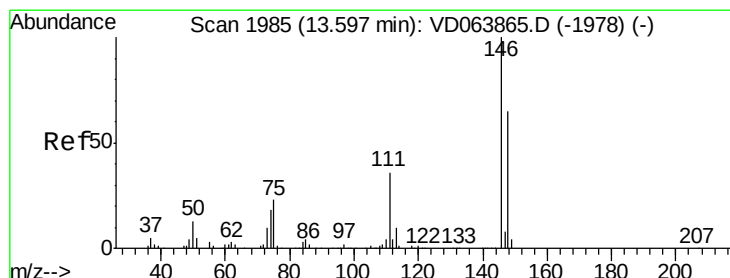
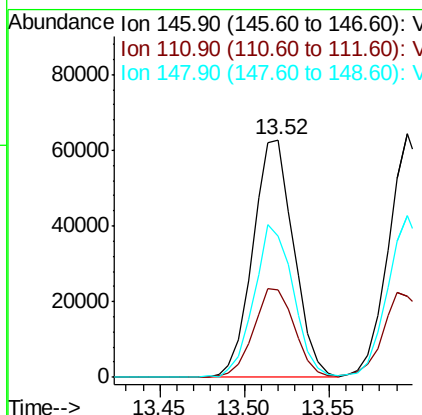
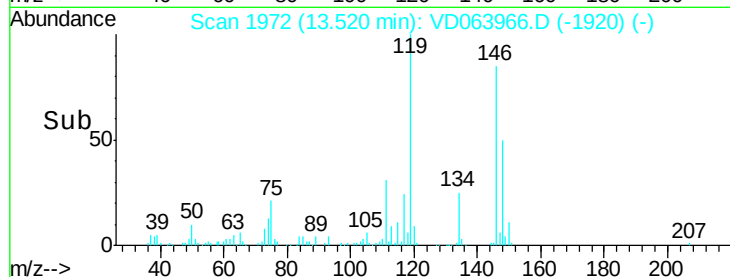
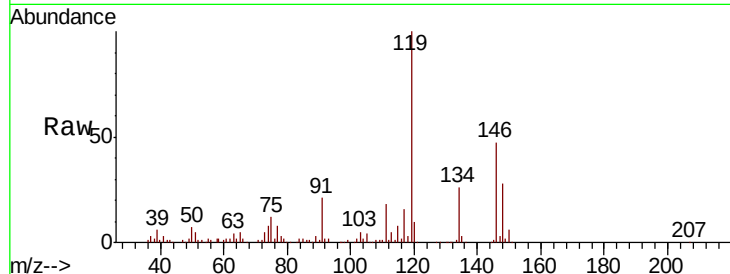
#87
1,3-Dichlorobenzene
Concen: 21.050 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.3	54.9
148	61.9	31.8	95.4

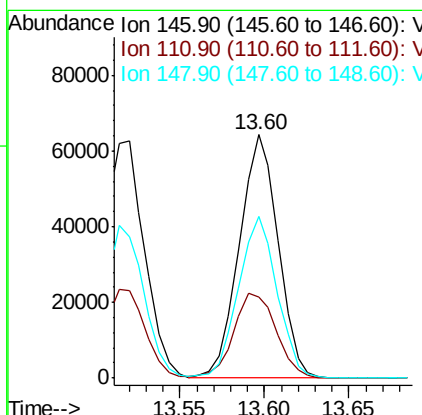
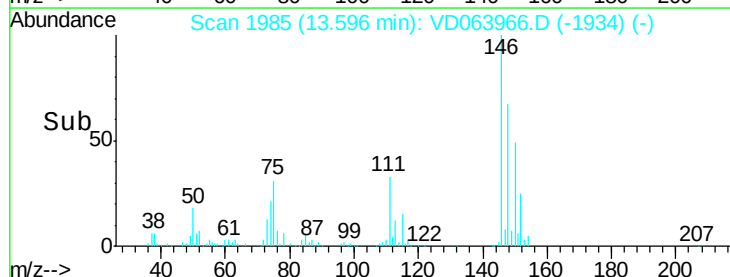
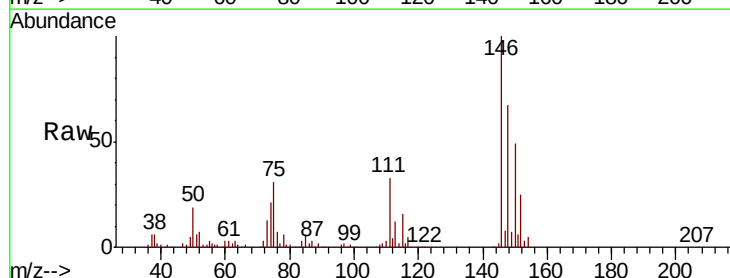
Manual Integrations
APPROVED

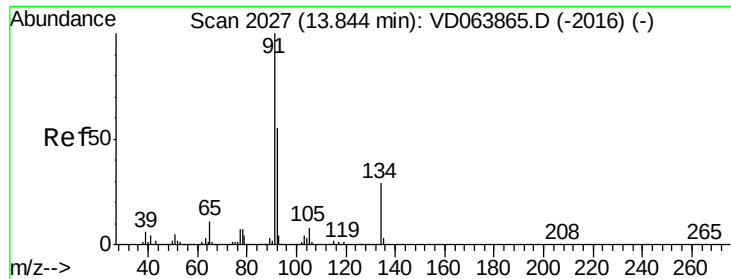
MMDadoda
10/18/2019 12:41:44 AM



#88
1,4-Dichlorobenzene
Concen: 20.821 ug/l
RT: 13.60 min Scan# 1985
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	56.0
148	66.6	32.6	98.0





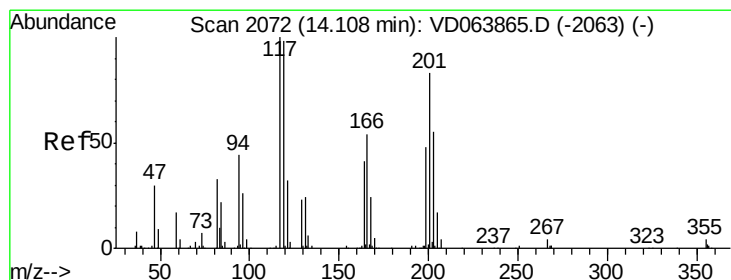
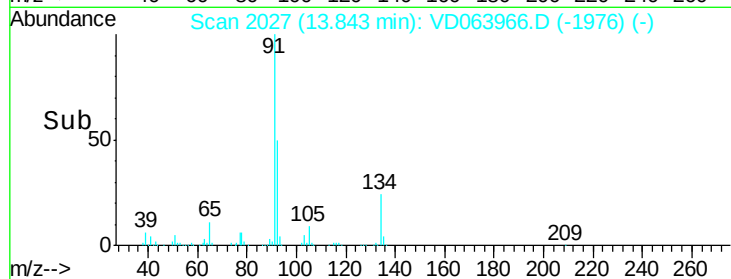
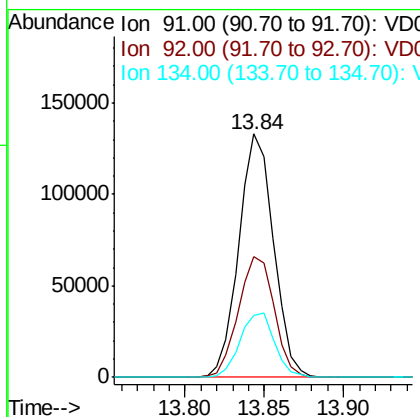
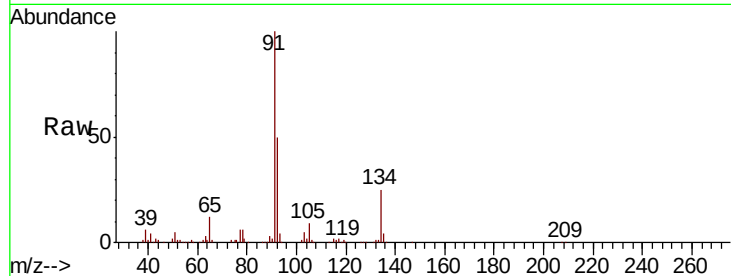
#89
n-Butylbenzene
Concen: 22.487 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	202260		
92	51.2	26.8	80.3	
134	26.3	14.4	43.0	

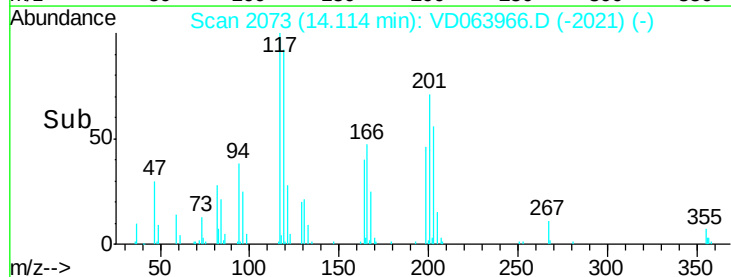
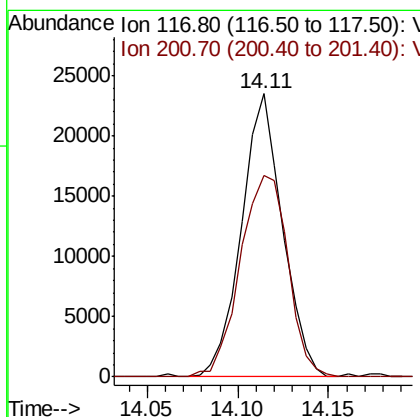
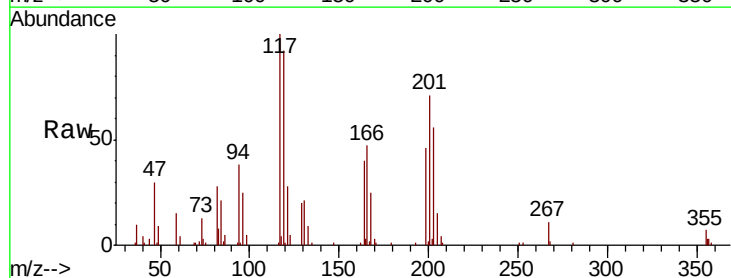
Manual Integrations
APPROVED

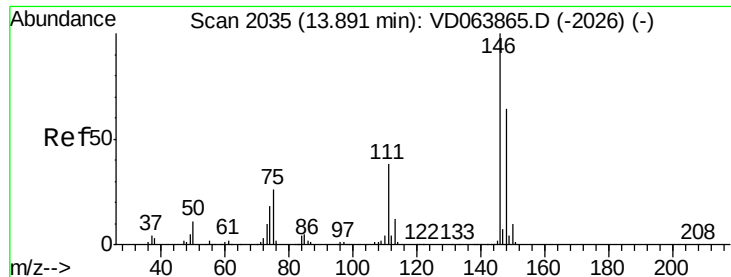
MMDadoda
10/18/2019 12:41:44 AM



#90
Hexachloroethane
Concen: 21.296 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	37011		
201	82.8	40.6	121.7	





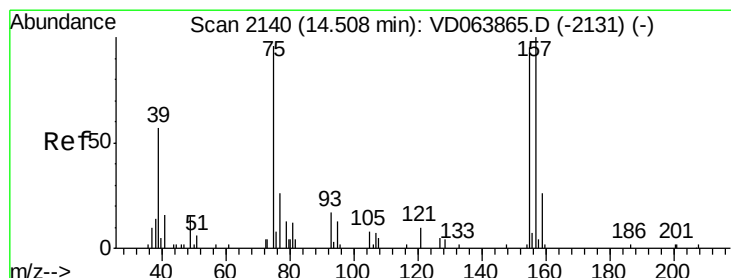
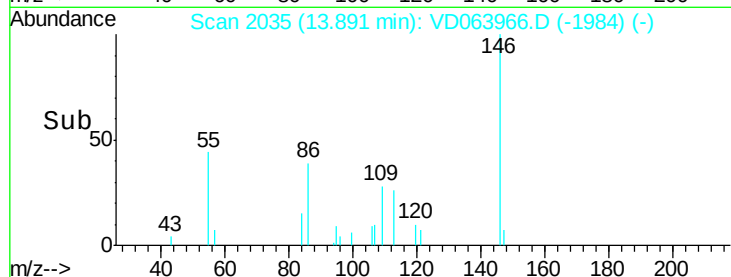
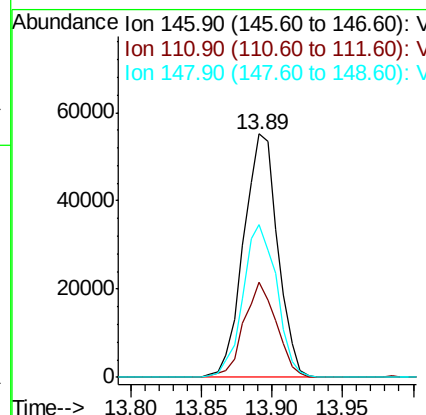
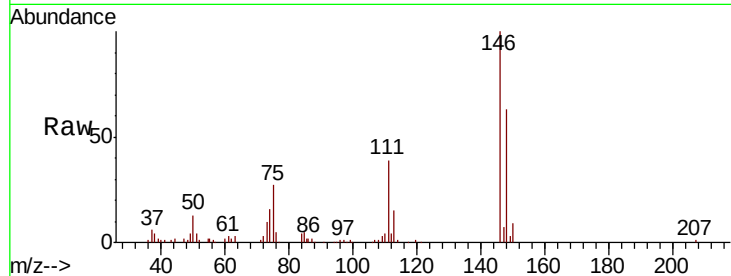
#91
 1,2-Dichlorobenzene
 Concen: 21.636 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.6	55.6
148	62.2	31.6	95.0

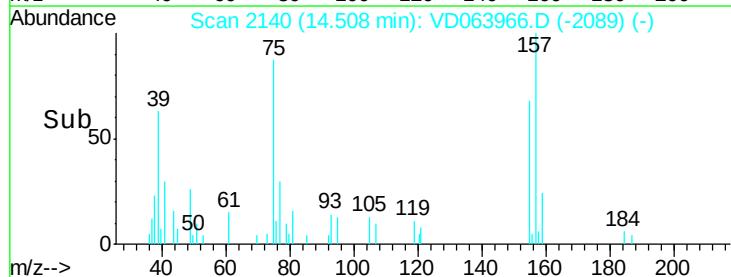
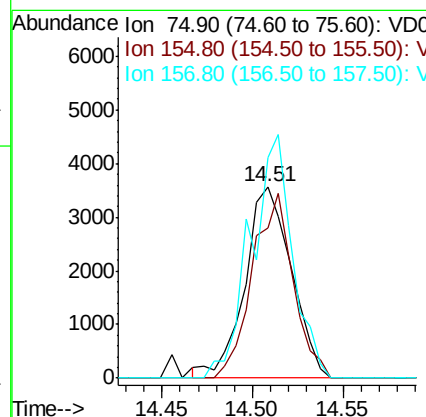
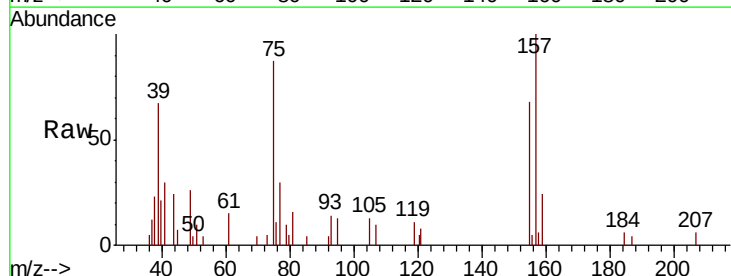
Manual Integrations
 APPROVED

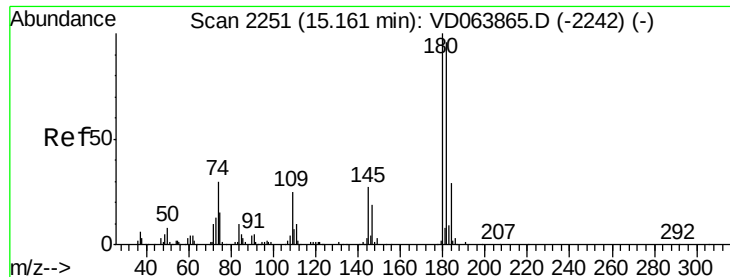
MMDadoda
 10/18/2019 12:41:44 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.680 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.8	43.9	131.6
157	115.3	56.0	167.9





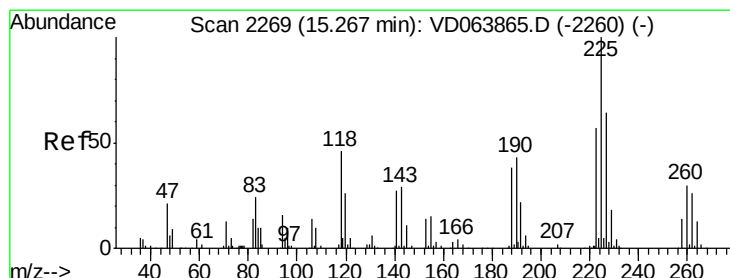
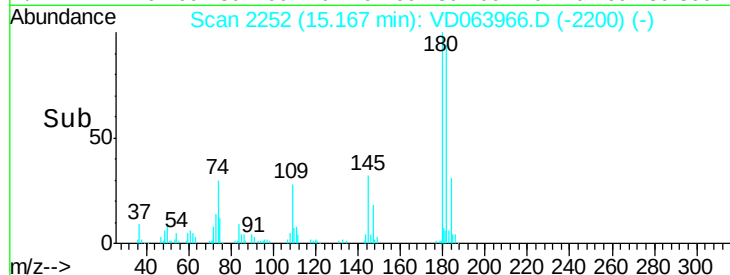
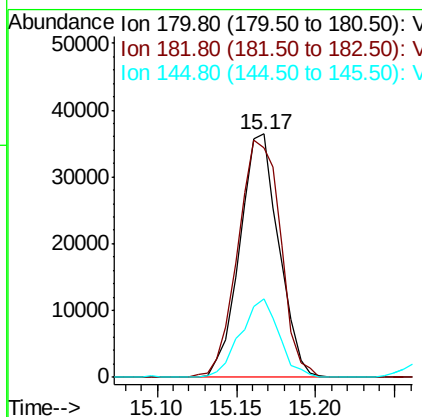
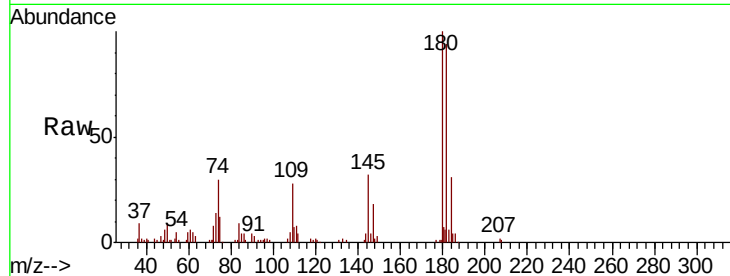
#93
 1,2,4-Trichlorobenzene
 Concen: 18.680 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	106.5	47.4	142.3
145	31.9	13.9	41.7

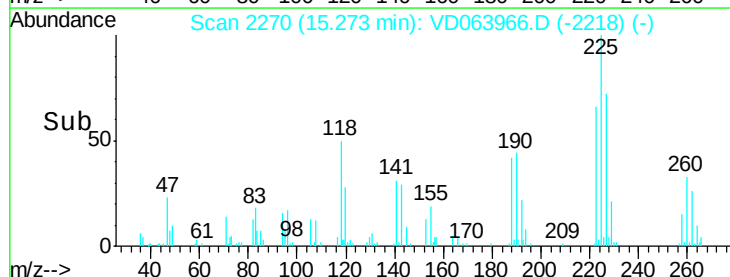
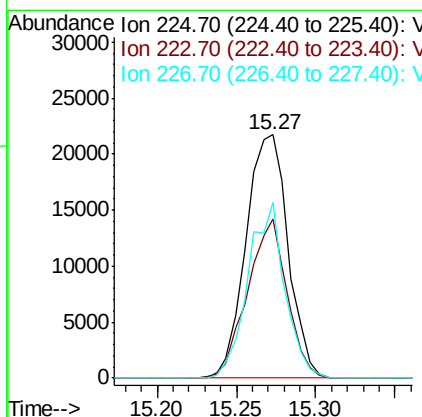
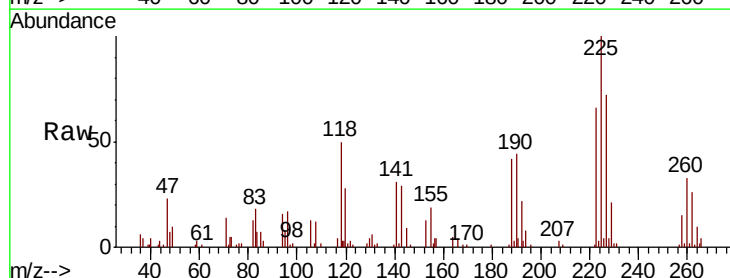
Manual Integrations
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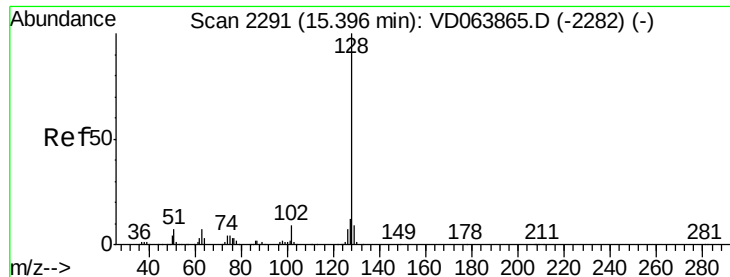
MMDadoda
 10/18/2019 12:41:44 AM



#94
 Hexachlorobutadiene
 Concen: 21.853 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063966.D
 Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	29.5	88.6
227	63.0	30.8	92.4





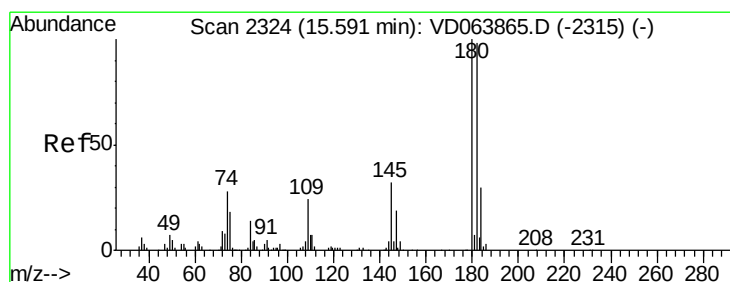
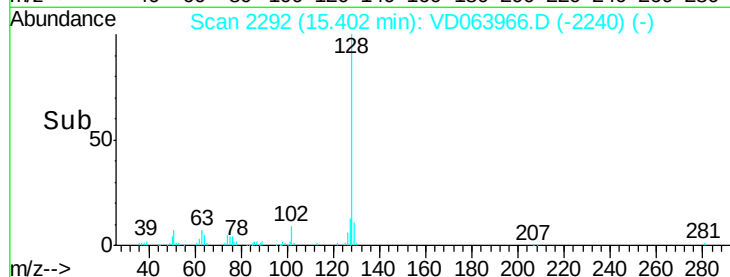
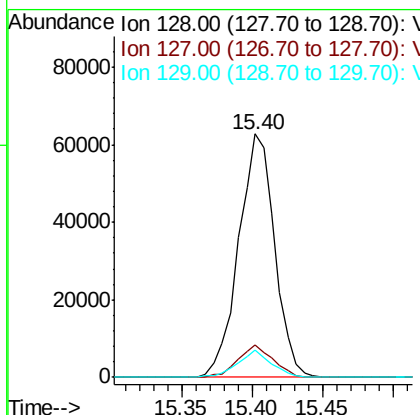
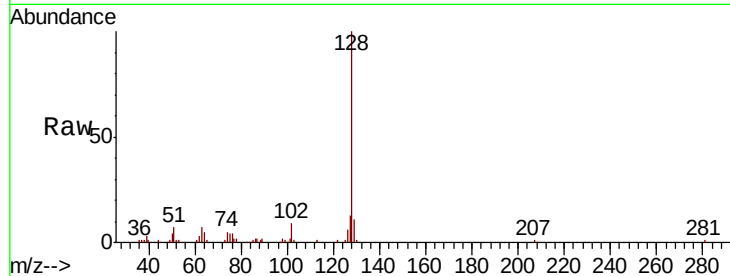
#95
Naphthalene
Concen: 19.929 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	111667		
127	13.1	10.6	16.0	
129	10.3	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:41:44 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.200 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063966.D
Acq: 15 Oct 2019 12:30

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	58101		
182	96.4	47.0	141.0	
145	29.6	15.3	45.9	

