

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100719\
 Data File : VD063895.D
 Acq On : 07 Oct 2019 12:22
 Operator : VA/SY
 Sample : VD1007SBS01
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 1:45:59 PM

Quant Time: Oct 08 17:32:13 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	211639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	330434	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	322254	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	169619	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	95492	46.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.68%	
35) Dibromofluoromethane	7.92	113	99854	49.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.90%	
50) Toluene-d8	10.34	98	408134	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
62) 4-Bromofluorobenzene	12.63	95	133539	46.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	26008	17.328	ug/l	95
3) Chloromethane	2.21	50	86106	18.477	ug/l	96
4) Vinyl Chloride	2.34	62	95414	19.669	ug/l	96
5) Bromomethane	2.76	94	54220	17.386	ug/l	96
6) Chloroethane	2.91	64	60079	18.727	ug/l	93
7) Trichlorofluoromethane	3.27	101	120926	18.855	ug/l	95
8) Diethyl Ether	3.71	74	20192	19.615	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	35603	20.054	ug/l	94
10) Methyl Iodide	4.29	142	43974	17.976	ug/l	99
11) Tert butyl alcohol	5.25	59	14934	99.500	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	34990	19.727	ug/l	93
13) Acrolein	3.93	56	17409	94.600	ug/l	99
14) Allyl chloride	4.70	41	55949	18.973	ug/l	99
15) Acrylonitrile	5.43	53	43648	96.170	ug/l	98
16) Acetone	4.16	43	44883	83.667	ug/l	98
17) Carbon Disulfide	4.40	76	119462	18.528	ug/l	99
18) Methyl Acetate	4.72	43	20251	19.301	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	87983	19.156	ug/l	95
20) Methylene Chloride	4.96	84	52248	20.153	ug/l #	84
21) trans-1,2-Dichloroethene	5.47	96	43410	19.660	ug/l	99
22) Diisopropyl ether	6.37	45	119252	19.801	ug/l	97
23) Vinyl Acetate	6.31	43	352214	98.308	ug/l	100
24) 1,1-Dichloroethane	6.26	63	69494	18.733	ug/l	97
25) 2-Butanone	7.22	43	60011	94.394	ug/l #	82
26) 2,2-Dichloropropane	7.21	77	65671	19.570	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	46607	18.648	ug/l	99
28) Bromochloromethane	7.55	49	23389	17.829	ug/l	96
29) Tetrahydrofuran	7.57	42	35496	95.657	ug/l	95
30) Chloroform	7.71	83	77874	19.328	ug/l	98
31) Cyclohexane	7.98	56	65452	18.854	ug/l #	89
32) 1,1,1-Trichloroethane	7.91	97	65972	19.088	ug/l	98
36) 1,1-Dichloropropene	8.11	75	59443	19.675	ug/l	96
37) Ethyl Acetate	7.30	43	26079	19.059	ug/l	99
38) Carbon Tetrachloride	8.10	117	60580	19.842	ug/l	95

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	71886	19.351	ug/l	91
40) Benzene	8.35	78	175001	20.213	ug/l	97
41) Methacrylonitrile	7.53	41	11709	16.716	ug/l #	92
42) 1,2-Dichloroethane	8.43	62	46591	18.603	ug/l	100
43) Isopropyl Acetate	8.46	43	51438	20.301	ug/l	94
44) Trichloroethene	9.11	130	49179	19.698	ug/l	98
45) 1,2-Dichloropropane	9.38	63	42021	19.829	ug/l	93
46) Dibromomethane	9.47	93	23984	19.873	ug/l	98
47) Bromodichloromethane	9.67	83	60127	19.350	ug/l	99
48) Methyl methacrylate	9.46	41	22572	18.593	ug/l	97
49) 1,4-Dioxane	9.47	88	6508	395.046	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	131961	100.424	ug/l	96
52) Toluene	10.40	92	114464	19.259	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	56806	18.735	ug/l #	89
54) cis-1,3-Dichloropropene	10.09	75	67384	19.306	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	35083	20.588	ug/l	95
56) Ethyl methacrylate	10.66	69	40982	18.991	ug/l	93
57) 1,3-Dichloropropane	10.94	76	57562	19.743	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	84983	91.618	ug/l	98
59) 2-Hexanone	10.99	43	91281	96.031	ug/l	96
60) Dibromochloromethane	11.14	129	44258	19.949	ug/l	96
61) 1,2-Dibromoethane	11.24	107	32187	19.483	ug/l	95
64) Tetrachloroethene	10.88	164	43297	19.681	ug/l	88
65) Chlorobenzene	11.67	112	131648	20.342	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	46260	19.399	ug/l	97
67) Ethyl Benzene	11.74	91	231153	19.808	ug/l	96
68) m/p-Xylenes	11.86	106	179524	39.856	ug/l	100
69) o-Xylene	12.18	106	82969	19.237	ug/l	96
70) Styrene	12.19	104	144198	19.749	ug/l	97
71) Bromoform	12.36	173	24378	19.048	ug/l #	97
73) Isopropylbenzene	12.48	105	220912	19.374	ug/l	98
74) N-amyl acetate	12.29	43	49678	20.235	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	40206	20.263	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	24154m	21.261	ug/l	
77) Bromobenzene	12.76	156	55437	19.514	ug/l	97
78) n-propylbenzene	12.82	91	273174	20.410	ug/l	100
79) 2-Chlorotoluene	12.91	91	146741	19.883	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	191578	20.139	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	11327	17.644	ug/l #	82
82) 4-Chlorotoluene	13.01	91	156160	19.947	ug/l	100
83) tert-Butylbenzene	13.22	119	160966	19.013	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	193373	19.718	ug/l	99
85) sec-Butylbenzene	13.40	105	231491	20.247	ug/l	97
86) p-Isopropyltoluene	13.51	119	217647	20.117	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	106440	18.962	ug/l	95
88) 1,4-Dichlorobenzene	13.60	146	110353	19.927	ug/l	99
89) n-Butylbenzene	13.84	91	204896	20.346	ug/l	99
90) Hexachloroethane	14.11	117	38944	20.014	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	94711	19.579	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.50	75	6941	21.094	ug/l	96

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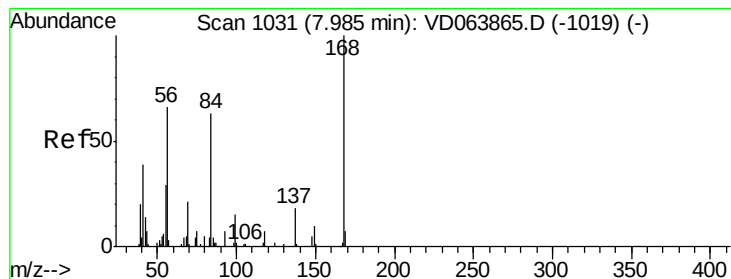
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	70602	18.915	ug/l	96
94) Hexachlorobutadiene	15.27	225	38286	18.588	ug/l	91
95) Naphthalene	15.40	128	125338	19.979	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	59841	18.582	ug/l	93

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion:168 Resp: 211639

Ion Ratio Lower Upper

168 100

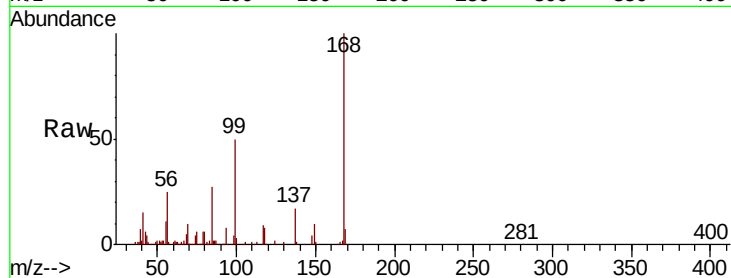
99 49.6 43.0 64.4

Manual Integrations

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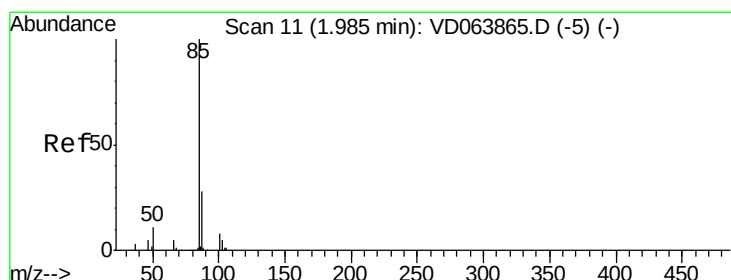
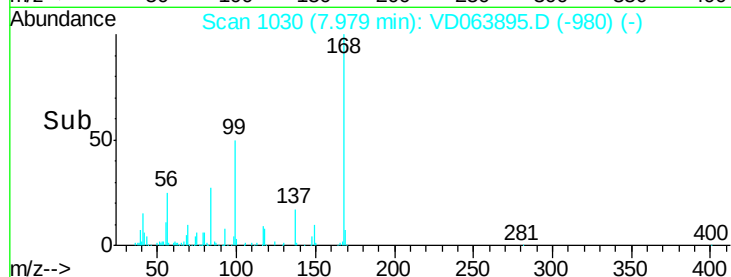
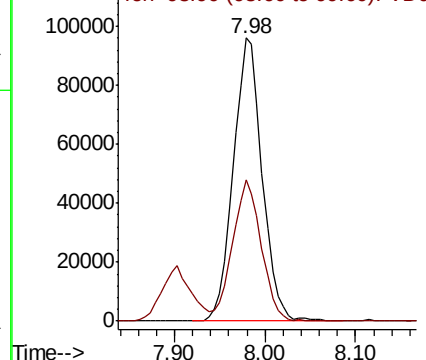
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 17.328 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063895.D

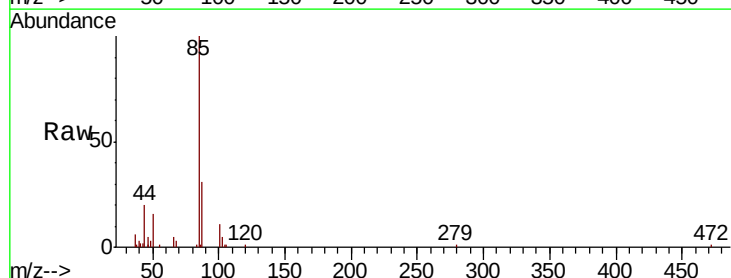
Acq: 07 Oct 2019 12:22

Tgt Ion: 85 Resp: 26008

Ion Ratio Lower Upper

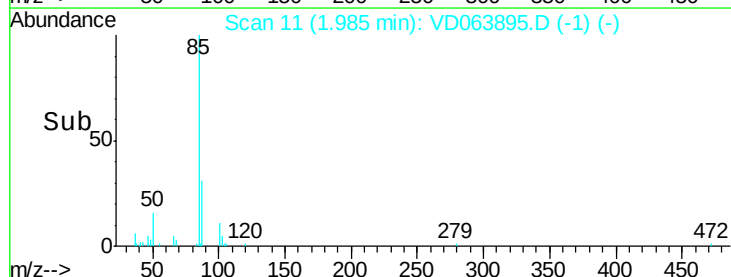
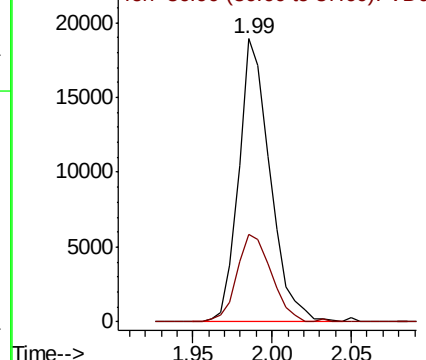
85 100

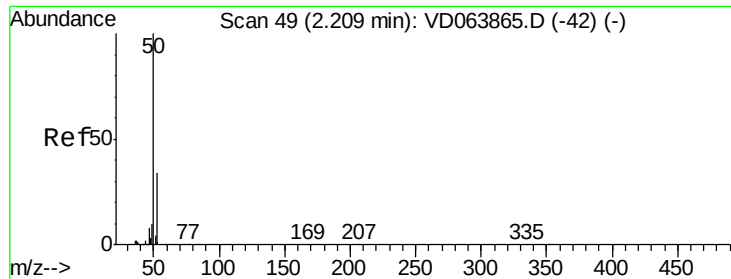
87 30.8 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 18.477 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 50 Resp: 86106

Ion Ratio Lower Upper

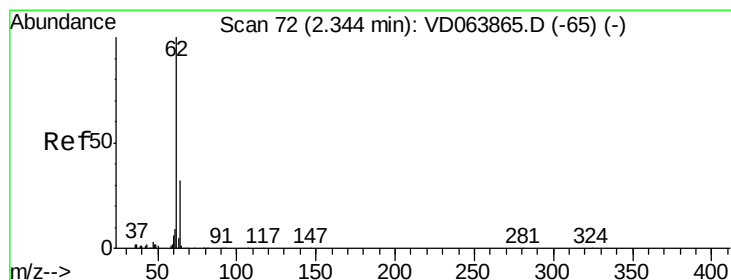
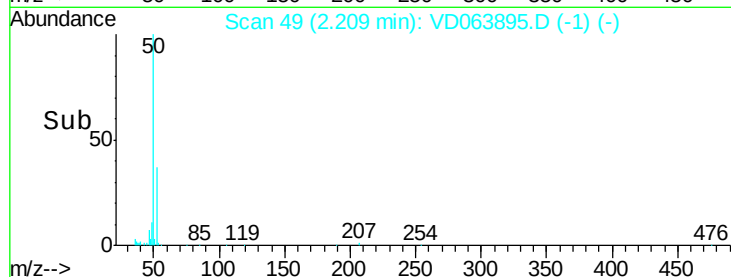
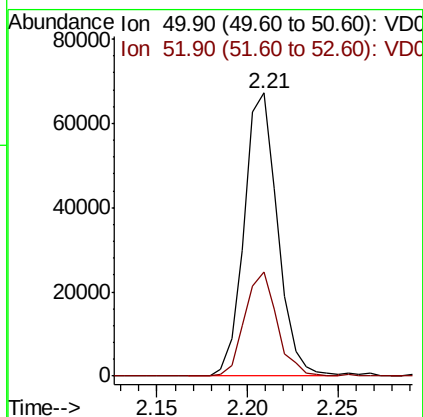
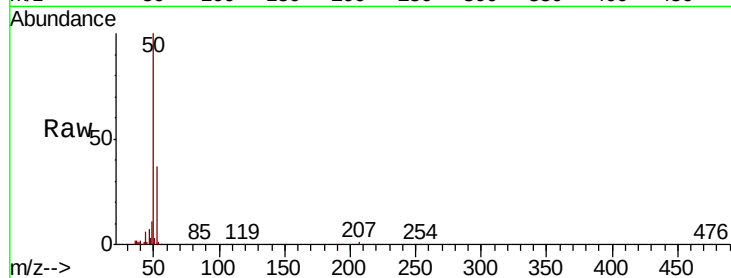
50 100

52 36.6 27.5 41.3

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#4

Vinyl Chloride

Concen: 19.669 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD063895.D

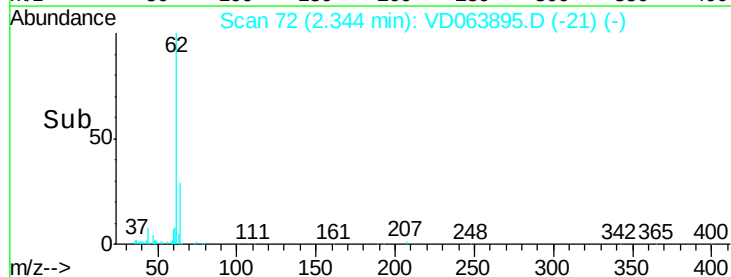
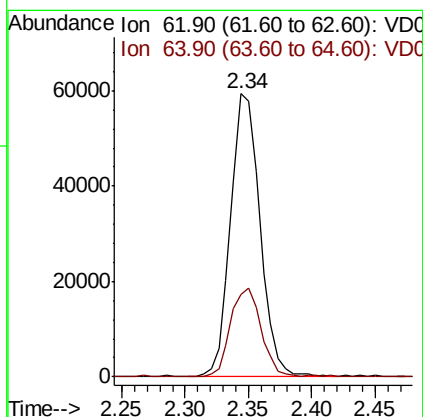
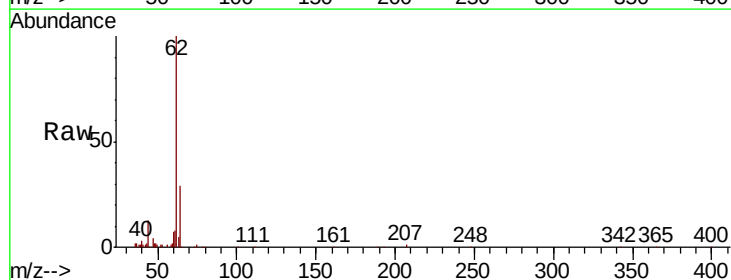
Acq: 07 Oct 2019 12:22

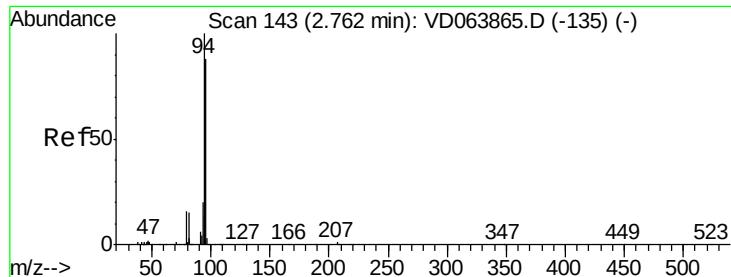
Tgt Ion: 62 Resp: 95414

Ion Ratio Lower Upper

62 100

64 29.3 25.4 38.0





#5

Bromomethane

Concen: 17.386 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 94 Resp: 54220

Ion Ratio Lower Upper

94 100

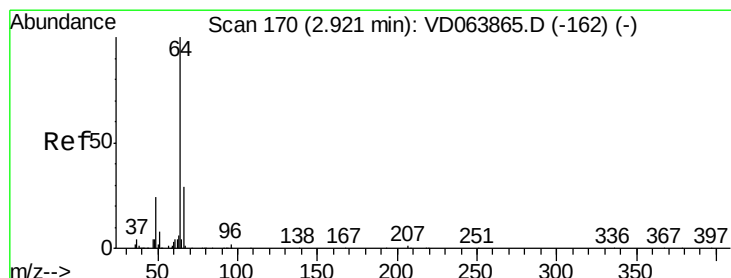
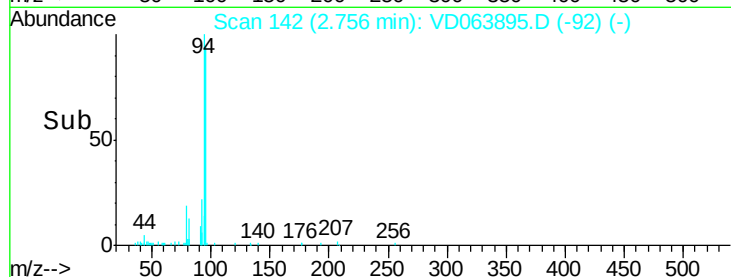
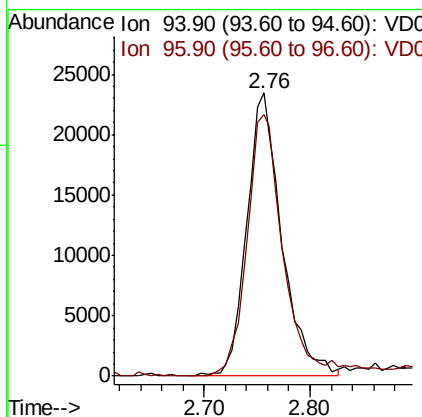
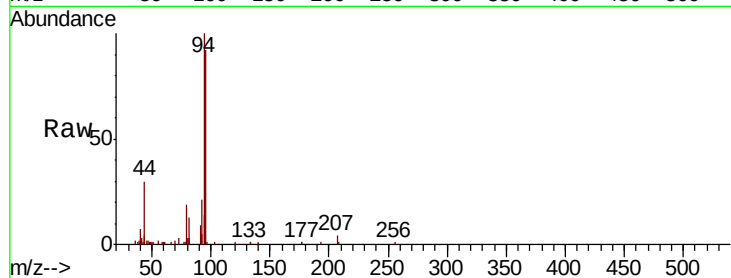
96 92.2 70.8 106.2

Manual Integrations

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#6

Chloroethane

Concen: 18.727 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD063895.D

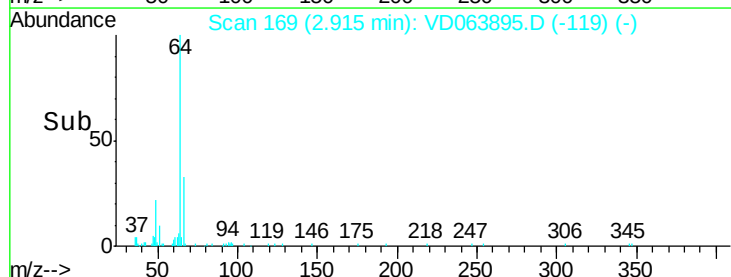
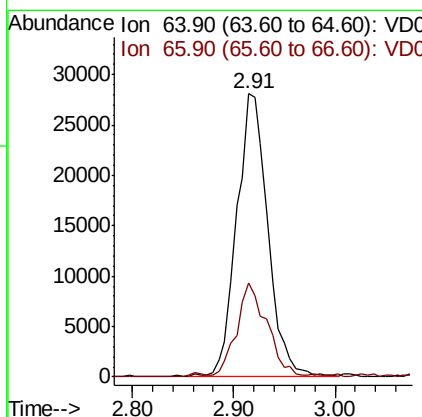
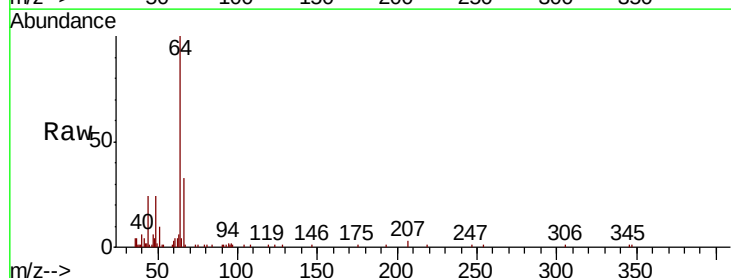
Acq: 07 Oct 2019 12:22

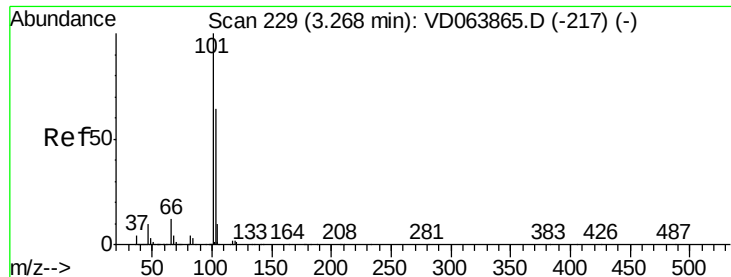
Tgt Ion: 64 Resp: 60079

Ion Ratio Lower Upper

64 100

66 32.6 23.0 34.4





#7

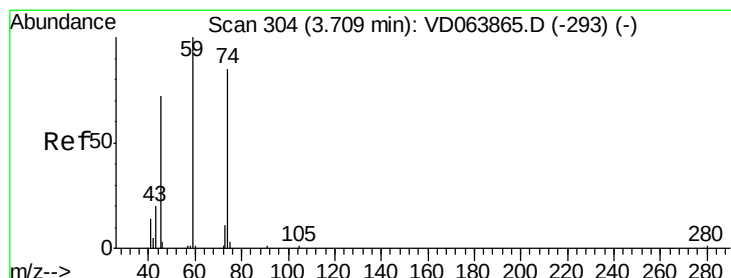
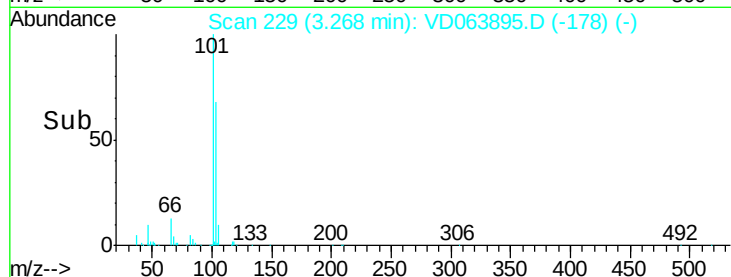
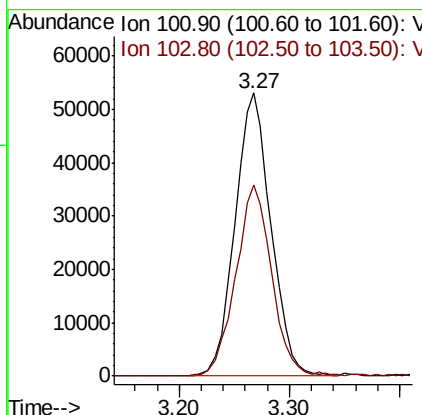
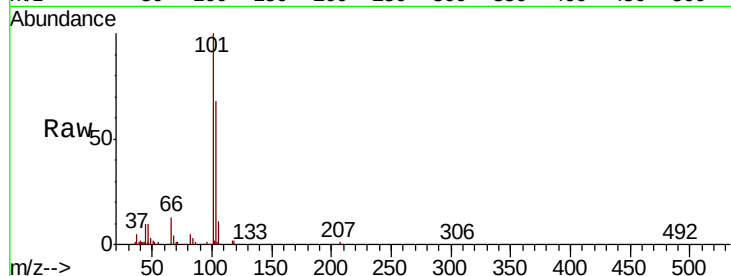
Trichlorofluoromethane
Concen: 18.855 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

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ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.6	51.1	76.7

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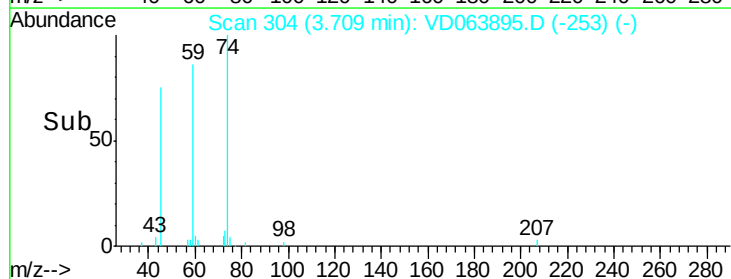
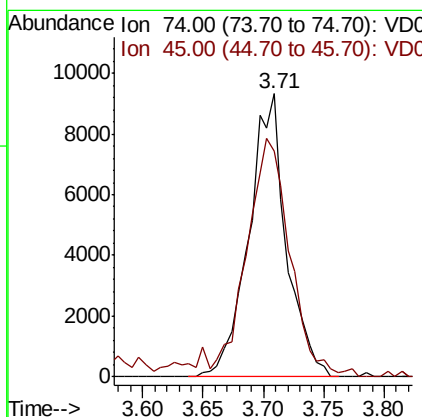
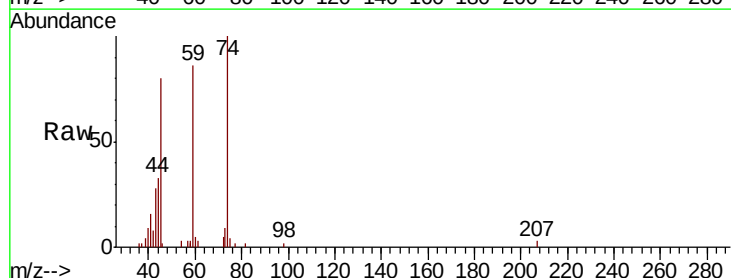
MMDadoda
10/10/2019 1:45:59 PM

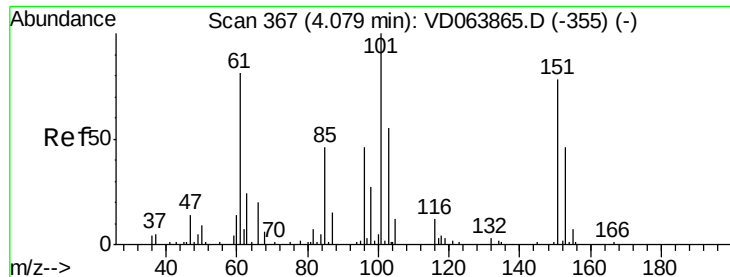


#8

Diethyl Ether
Concen: 19.615 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.1	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.054 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

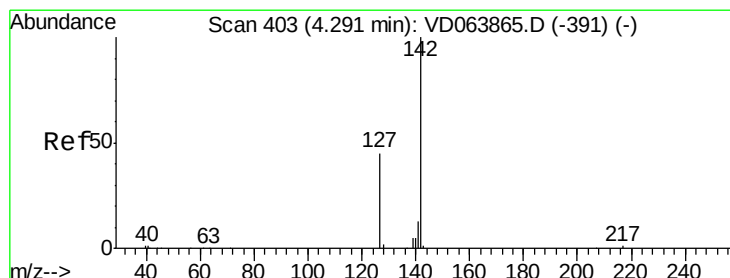
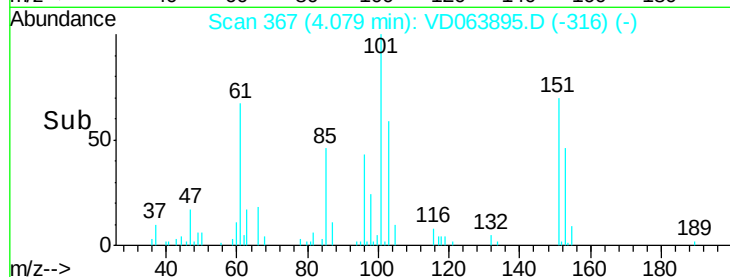
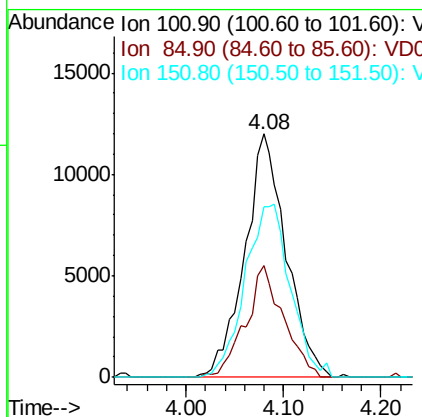
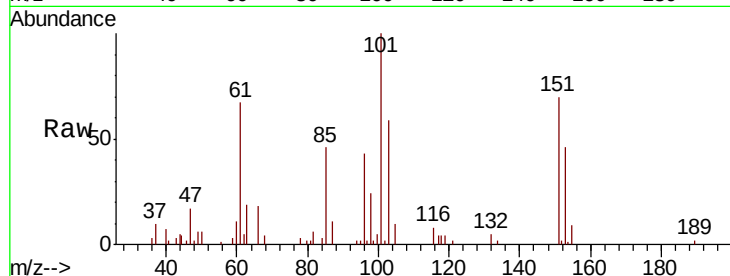
ClientSampleId :

VD1007SBS01

Tot Ion:	101	Resp:	35603
Ion Ratio	Lower	Upper	
101	100		
85	42.0	37.5	56.3
151	77.7	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 17.976 ug/l

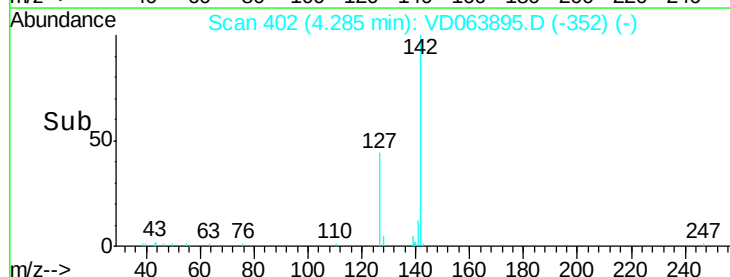
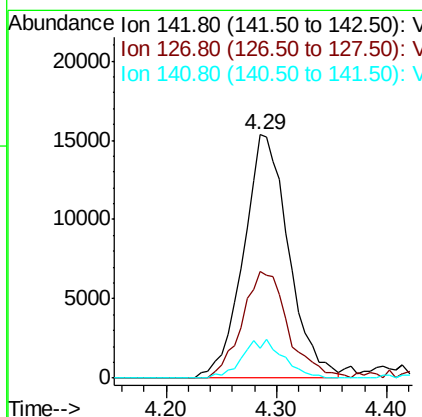
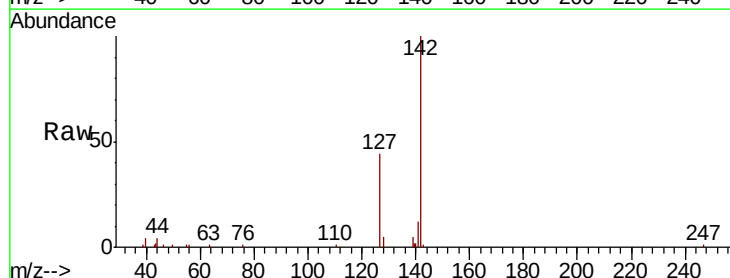
RT: 4.29 min Scan# 402

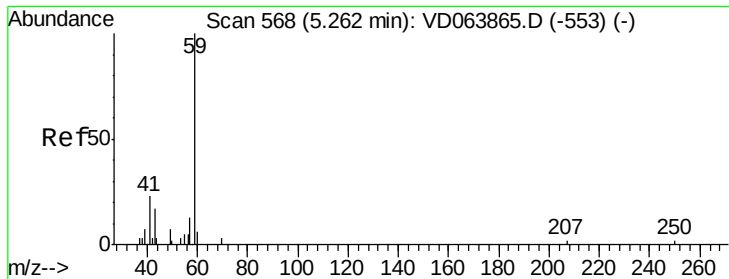
Delta R.T. -0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Tgt Ion:	142	Resp:	43974
Ion Ratio	Lower	Upper	
142	100		
127	44.4	35.3	52.9
141	14.3	12.2	18.2





#11

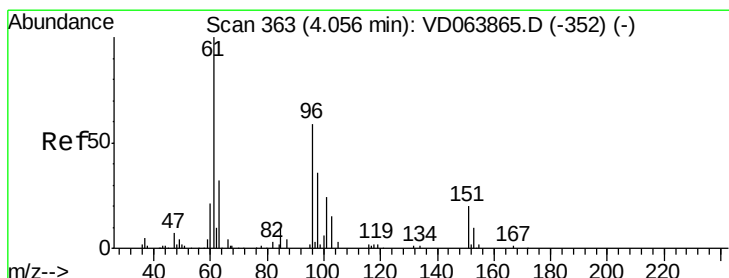
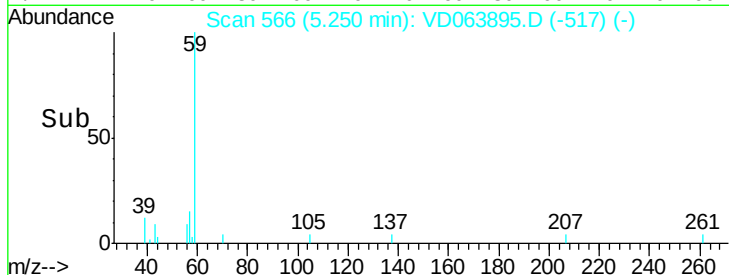
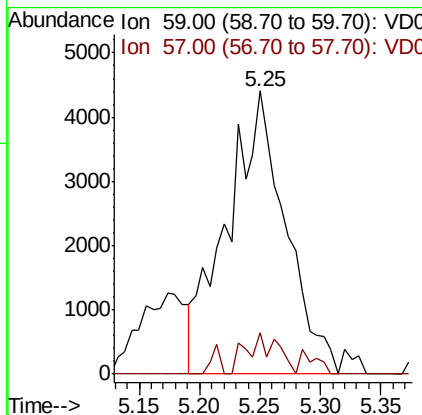
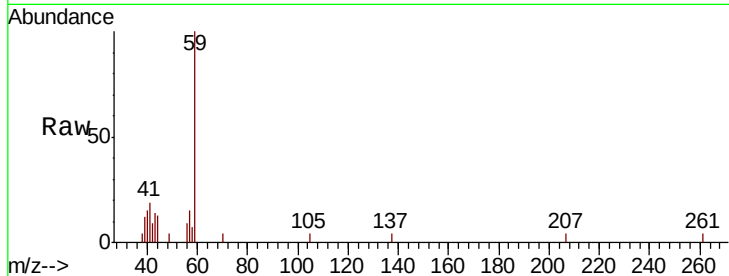
Tert butyl alcohol
 Concen: 99.500 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion	59	Resp	14934
Ion Ratio	100	Lower	Upper
57	5.0	8.8	13.2#

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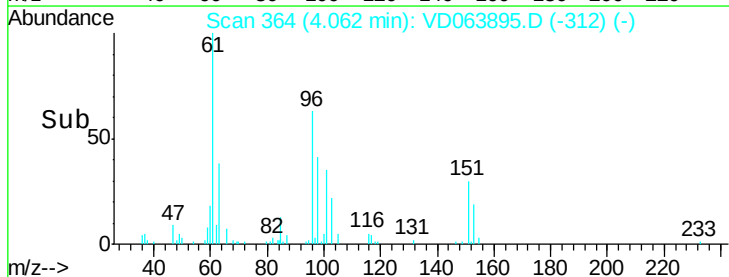
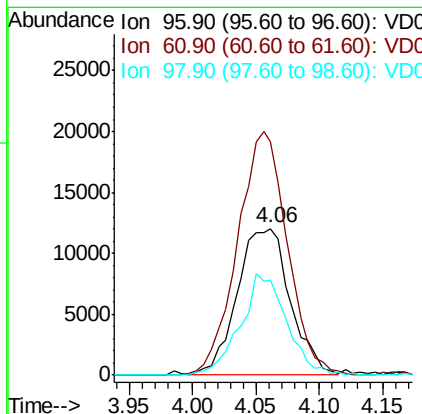
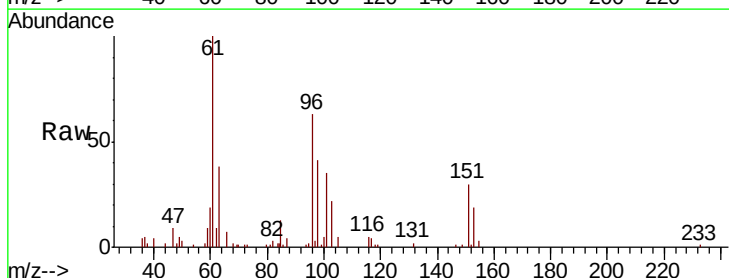
MMDadoda
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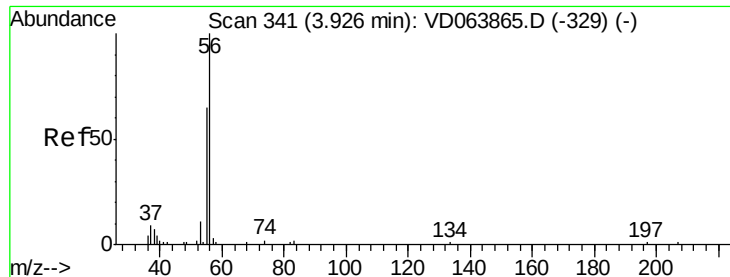


#12

1,1-Dichloroethene
 Concen: 19.727 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Tgt Ion	96	Resp	34990
Ion Ratio	100	Lower	Upper
61	157.9	135.6	203.4
98	64.9	49.2	73.8





#13

Acrolein

Concen: 94.600 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 56 Resp: 17409

Ion Ratio Lower Upper

56 100

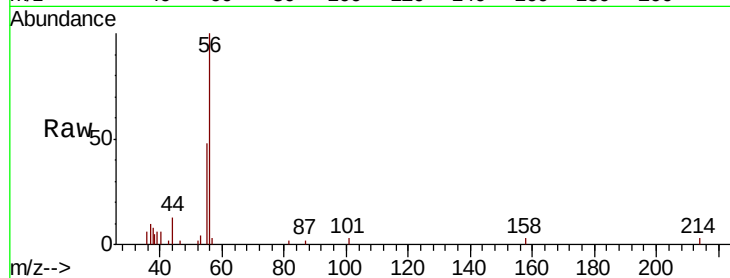
55 65.5 53.0 79.6

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

8000

6000

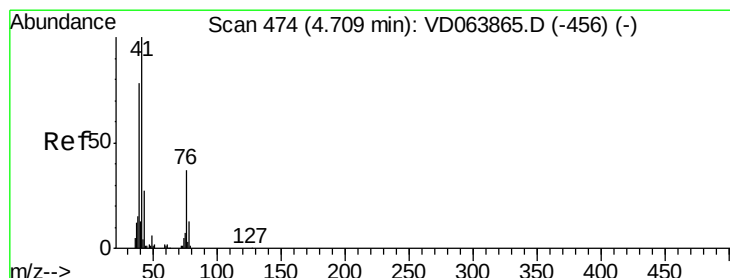
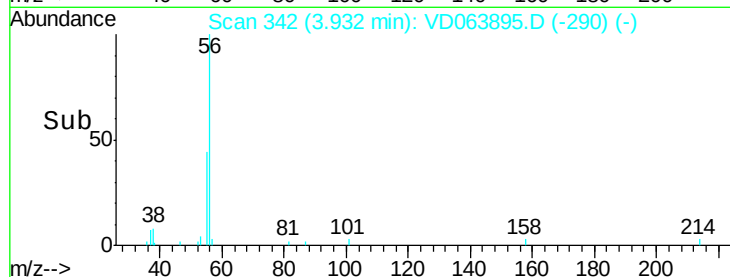
4000

2000

0

Time-->

3.80 3.90 4.00



#14

Allyl chloride

Concen: 18.973 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

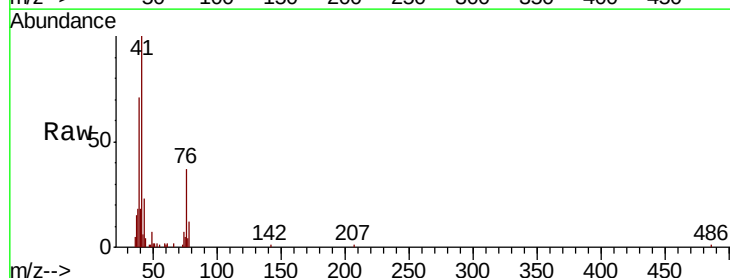
Tgt Ion: 41 Resp: 55949

Ion Ratio Lower Upper

41 100

39 76.3 61.8 92.6

76 39.9 31.3 46.9



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.70

20000

15000

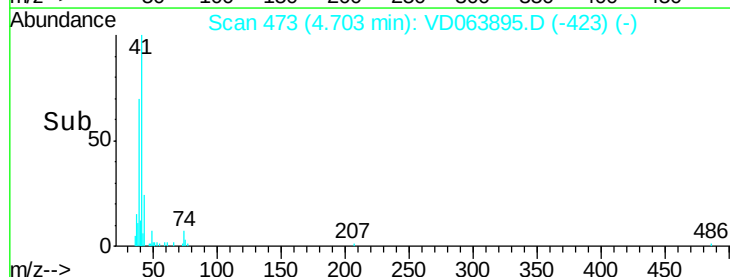
10000

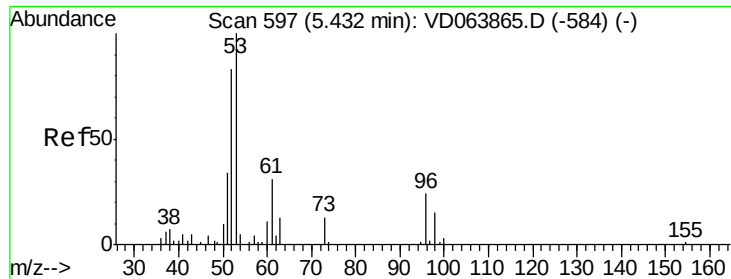
5000

0

Time-->

4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 96.170 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

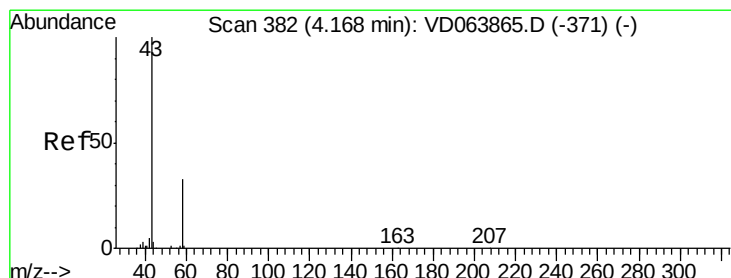
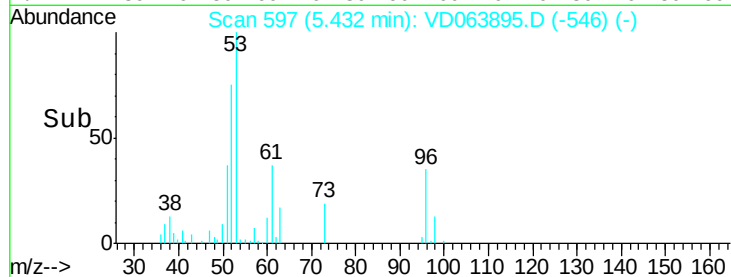
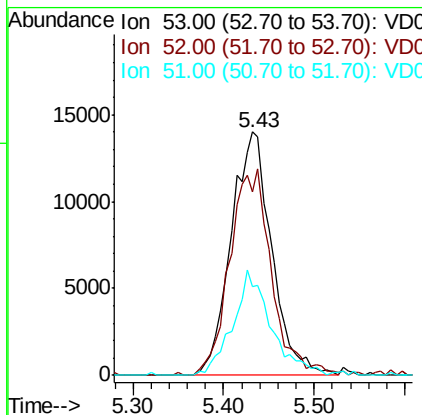
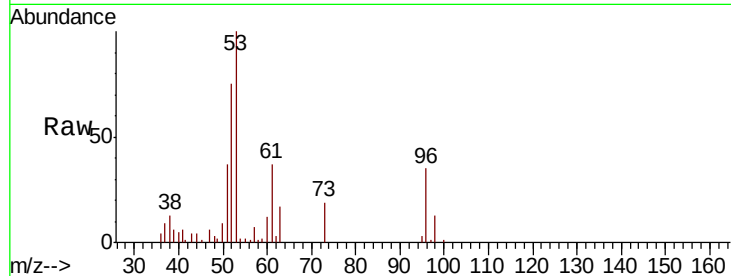
ClientSampleId :

VD1007SBS01

Tot Ion:	53	Resp:	43648
Ion	Ratio	Lower	Upper
53	100		
52	84.9	67.3	100.9
51	40.4	30.5	45.7

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#16

Acetone

Concen: 83.667 ug/l

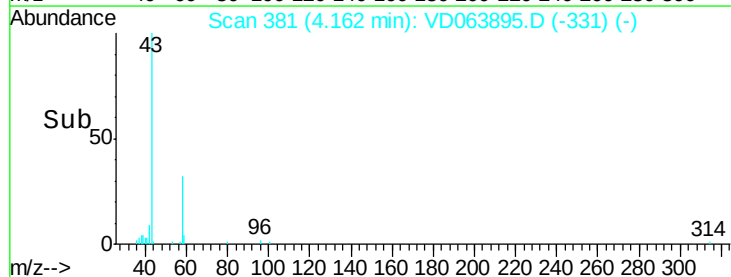
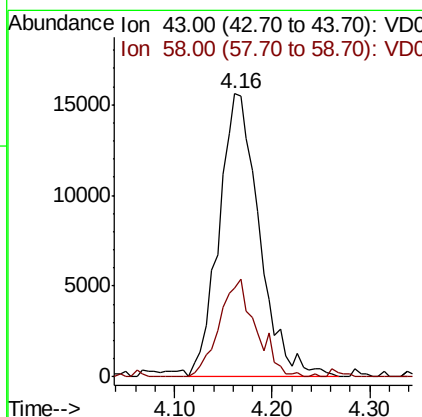
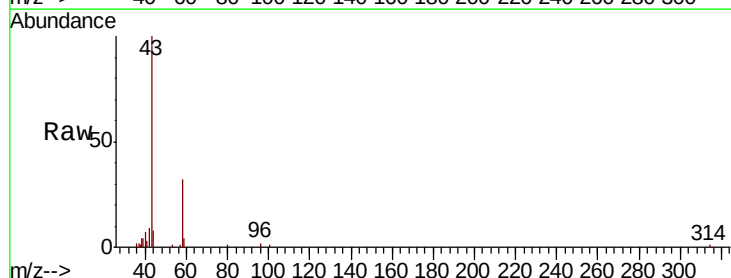
RT: 4.16 min Scan# 381

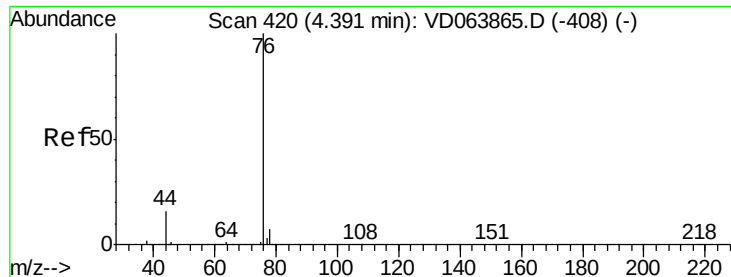
Delta R.T. -0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Tgt Ion:	43	Resp:	44883
Ion	Ratio	Lower	Upper
43	100		
58	31.6	26.2	39.4





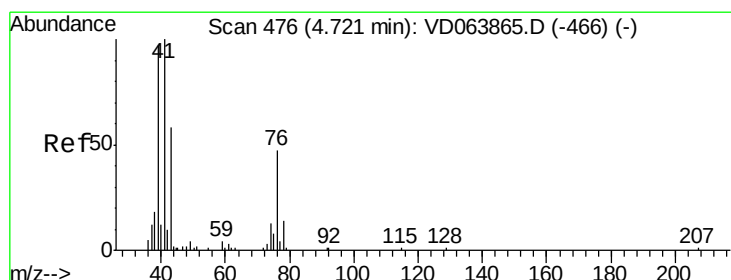
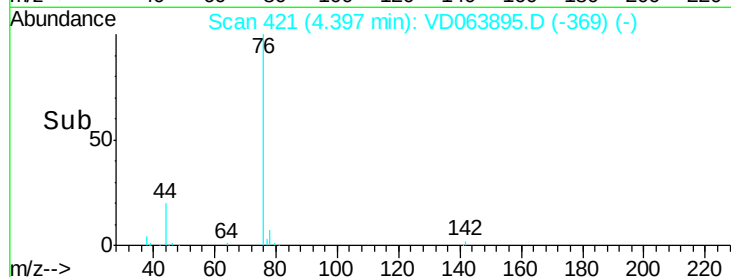
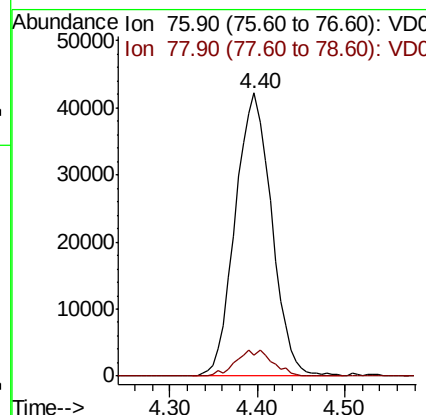
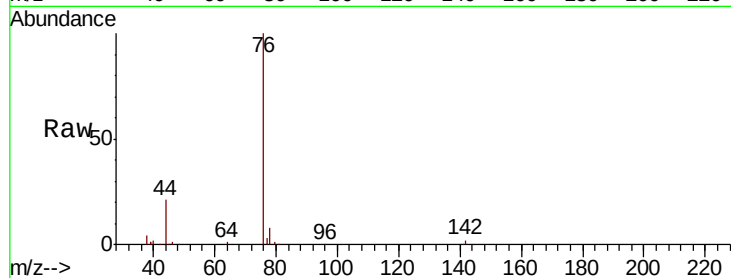
#17
Carbon Disulfide
Concen: 18.528 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion: 76 Resp: 119462
Ion Ratio Lower Upper
76 100
78 7.5 5.8 8.8

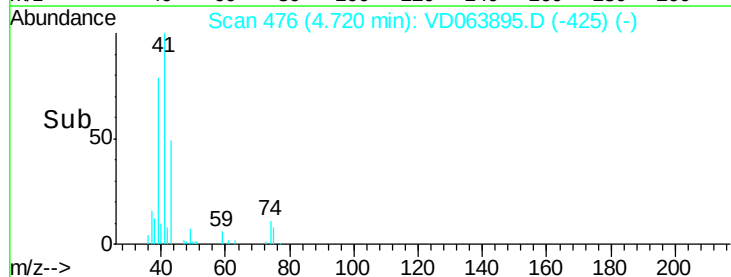
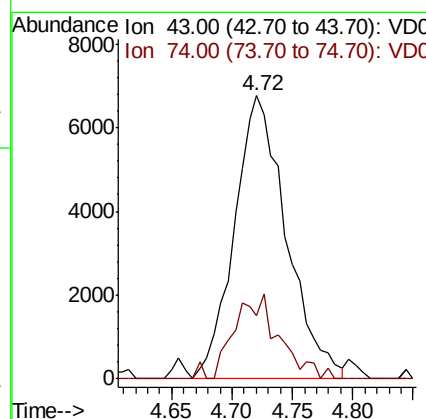
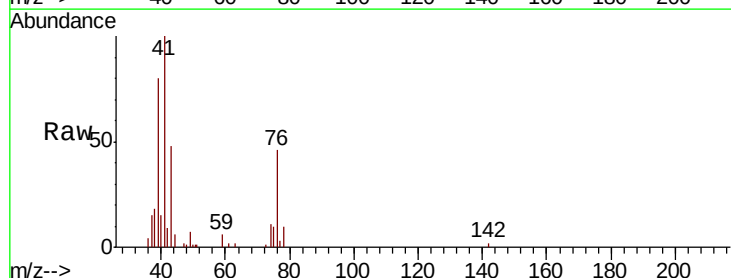
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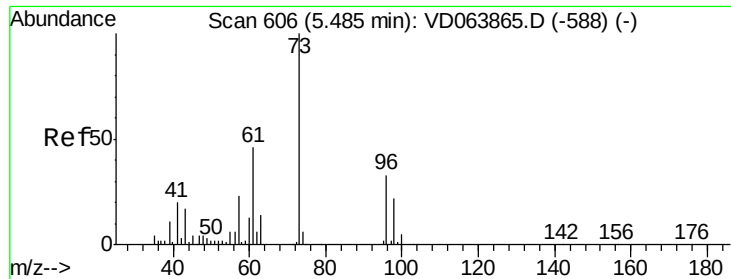
MMDadoda
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#18
Methyl Acetate
Concen: 19.301 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion: 43 Resp: 20251
Ion Ratio Lower Upper
43 100
74 25.4 20.8 31.2





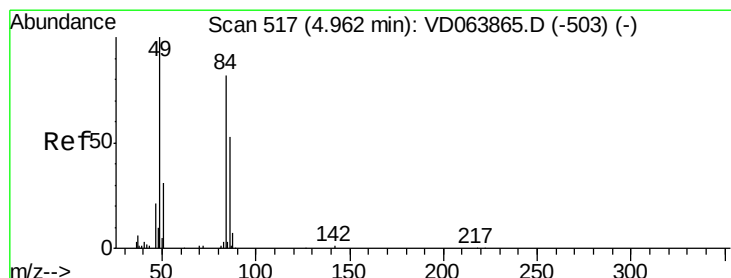
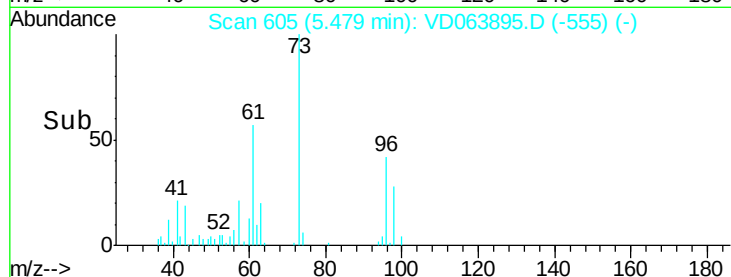
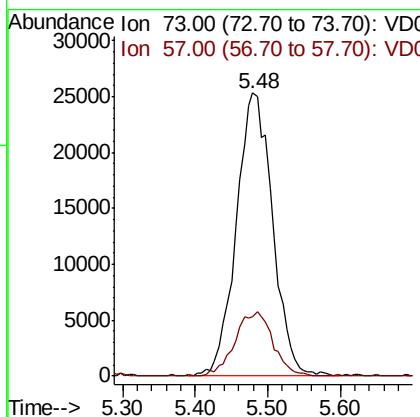
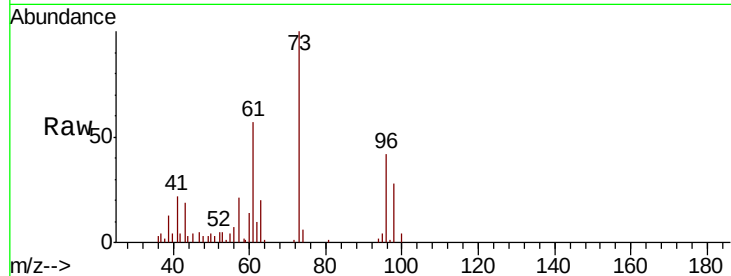
#19
Methyl tert-butyl Ether
Concen: 19.156 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.4	18.1	27.1

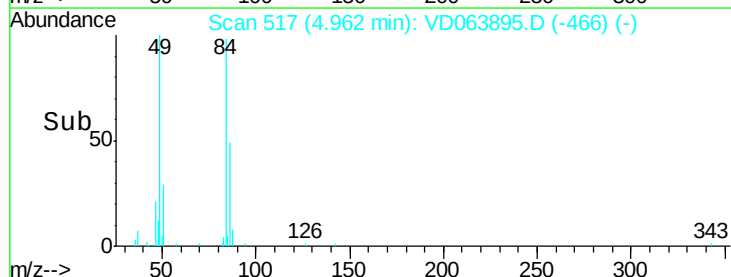
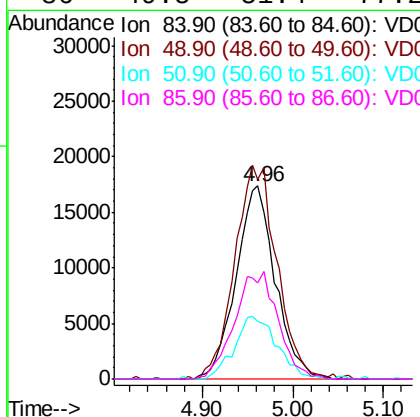
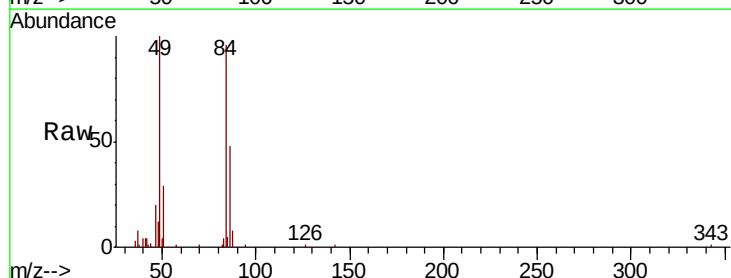
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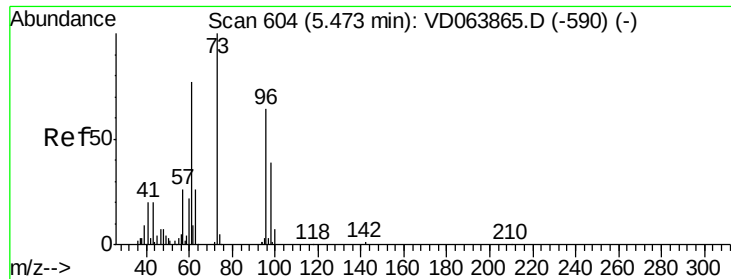
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#20
Methylene Chloride
Concen: 20.153 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
84	100		
49	103.9	97.3	145.9
51	29.8	30.1	45.1#
86	49.5	51.4	77.2#





#21

trans-1,2-Dichloroethene

Concen: 19.660 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

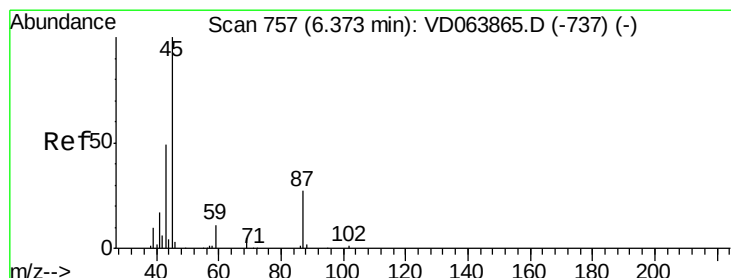
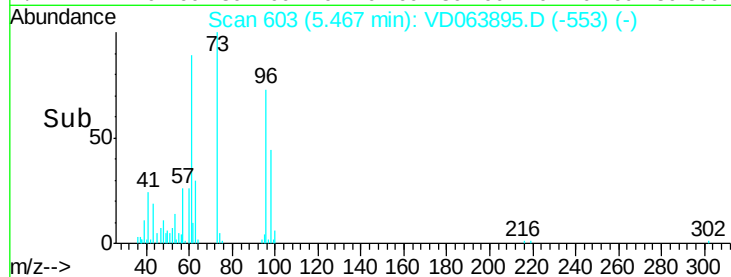
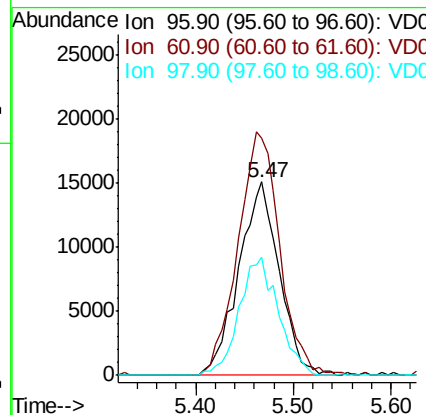
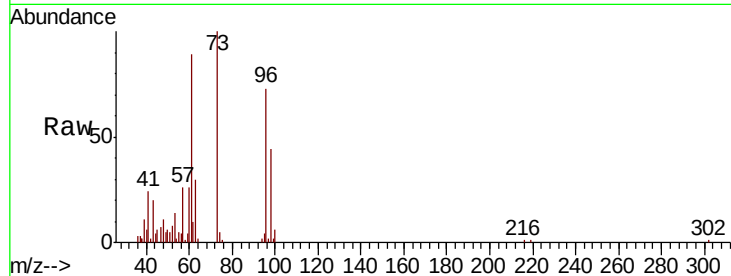
ClientSampleId :

VD1007SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	122.8	96.6	145.0
98	60.8	48.7	73.1

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#22

Diisopropyl ether

Concen: 19.801 ug/l

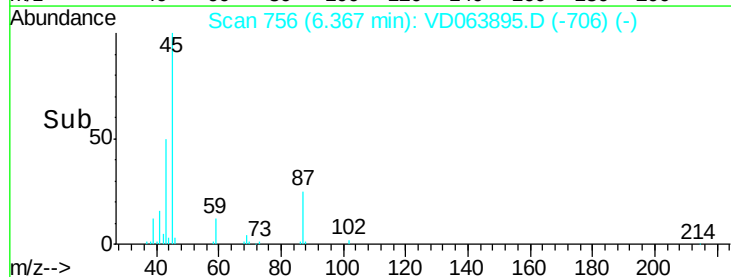
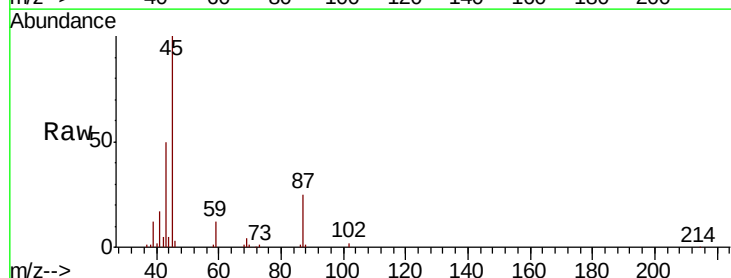
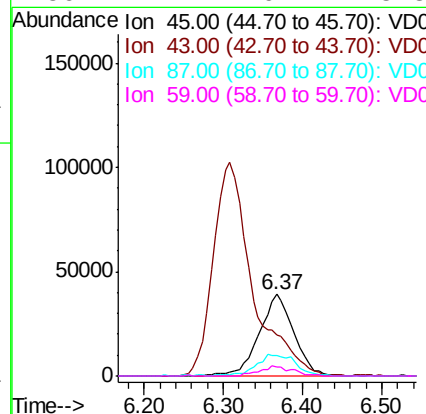
RT: 6.37 min Scan# 756

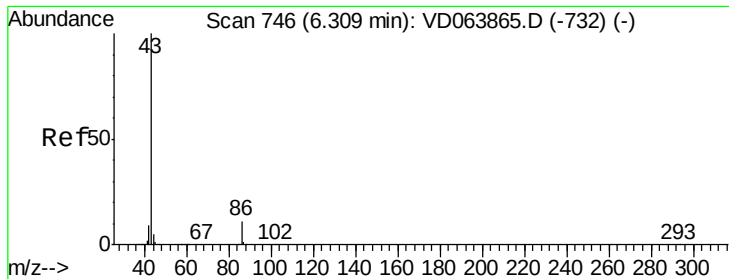
Delta R.T. -0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
45	100		
43	49.4	41.2	61.8
87	25.1	22.2	33.4
59	11.7	9.2	13.8





#23

Vinyl Acetate

Concen: 98.308 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 43 Resp: 352214

Ion Ratio Lower Upper

43 100

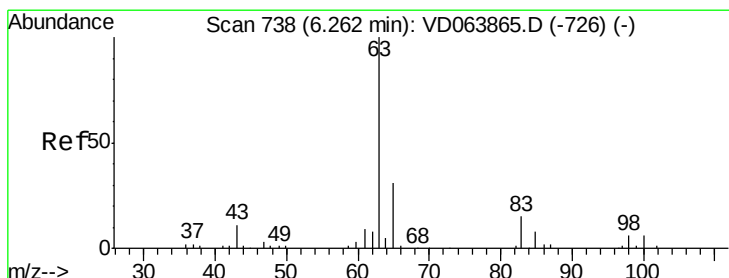
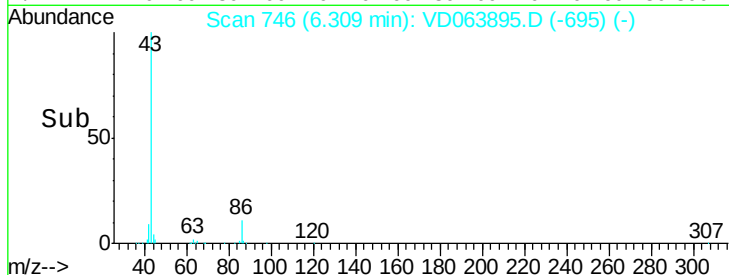
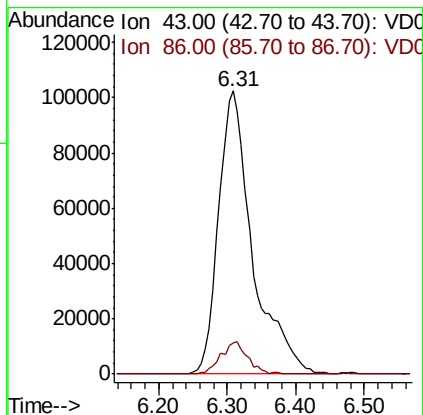
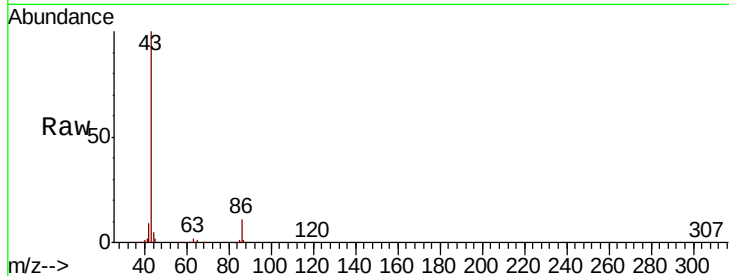
86 11.2 8.8 13.2

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#24

1,1-Dichloroethane

Concen: 18.733 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

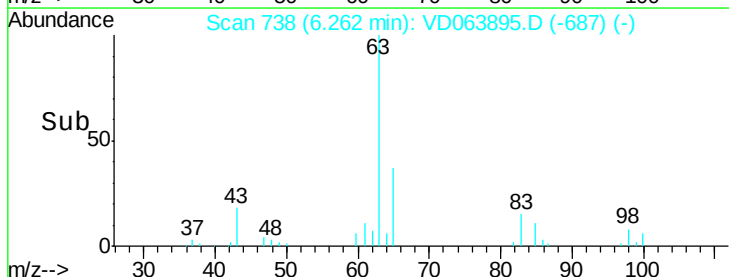
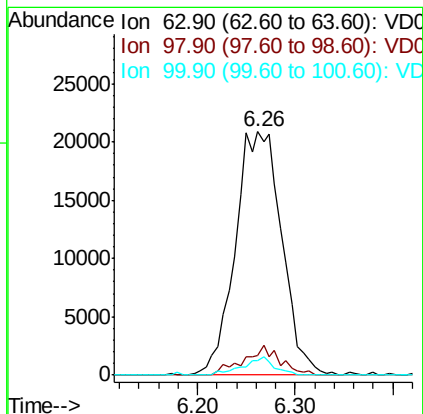
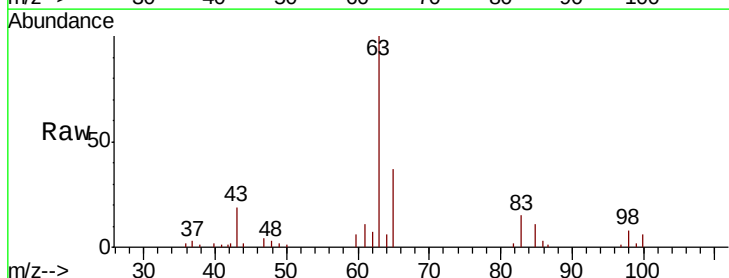
Tgt Ion: 63 Resp: 69494

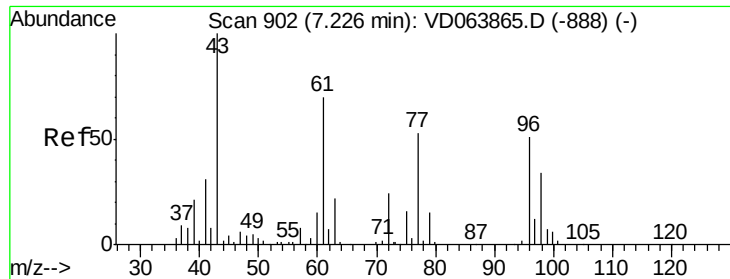
Ion Ratio Lower Upper

63 100

98 8.1 3.1 9.4

100 5.8 3.0 9.2





#25

2-Butanone

Concen: 94.394 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 43 Resp: 60011

Ion Ratio Lower Upper

43 100

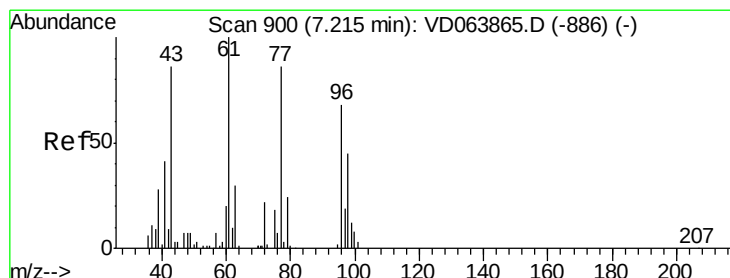
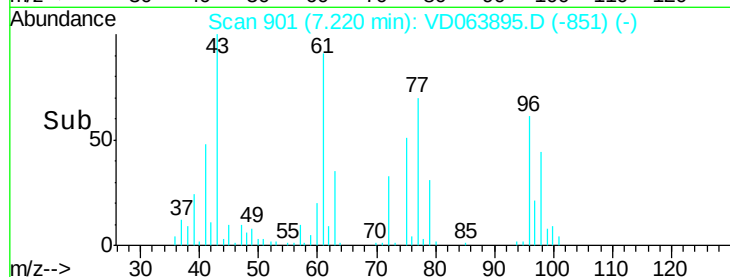
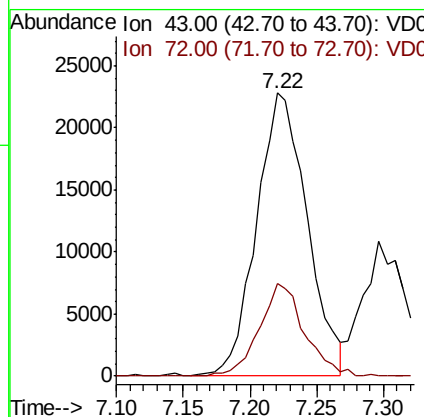
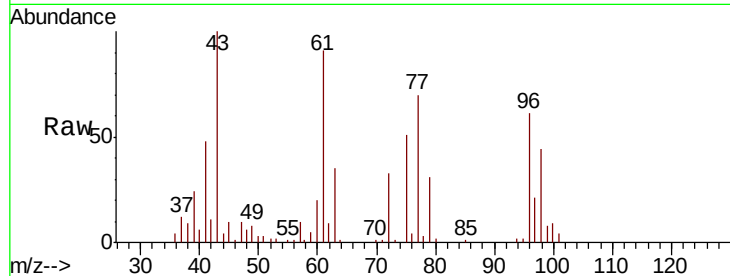
72 32.9 19.2 28.8#

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#26

2,2-Dichloropropane

Concen: 19.570 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063895.D

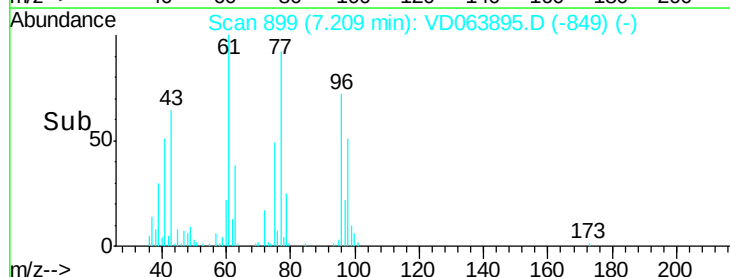
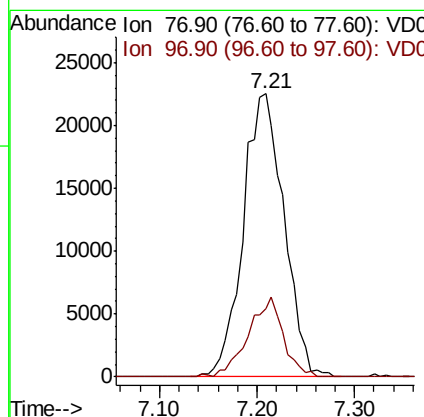
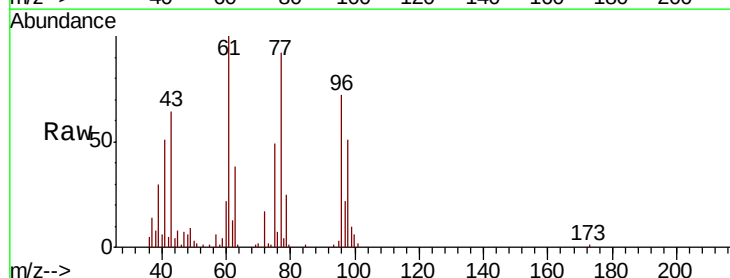
Acq: 07 Oct 2019 12:22

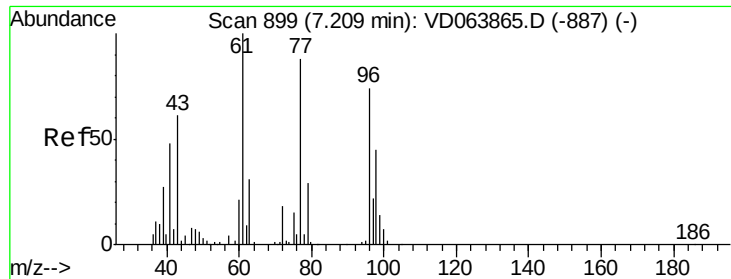
Tgt Ion: 77 Resp: 65671

Ion Ratio Lower Upper

77 100

97 24.2 11.4 34.1





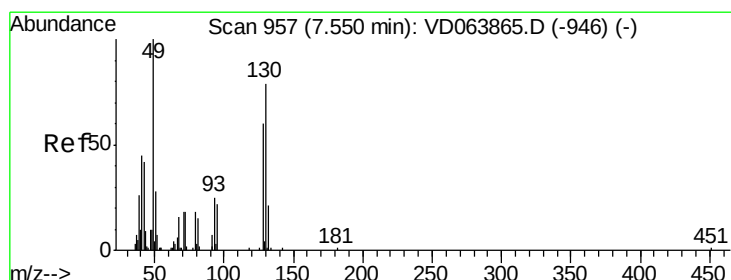
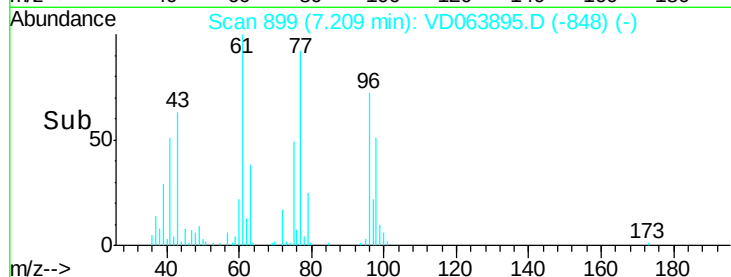
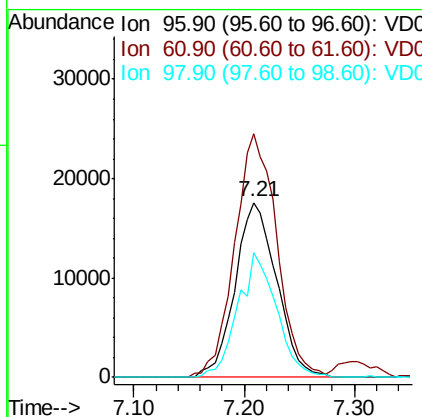
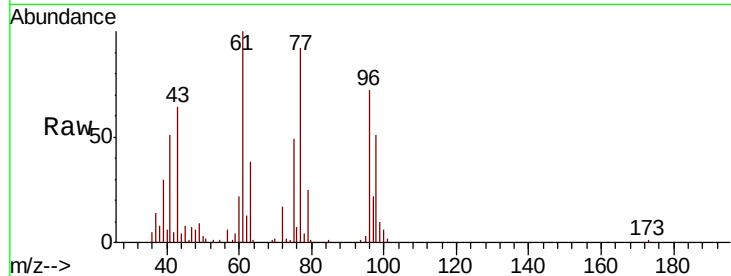
#27
 cis-1,2-Dichloroethene
 Concen: 18.648 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	46607		
61	140.8		0.0	280.0
98	65.9		0.0	130.4

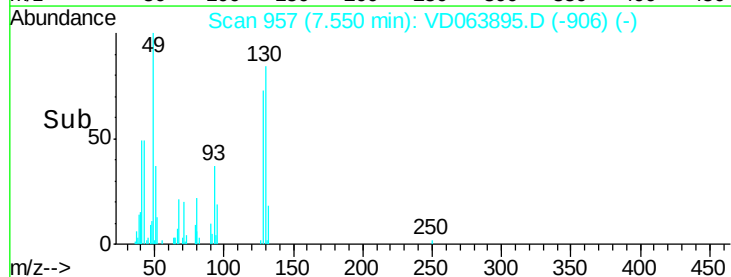
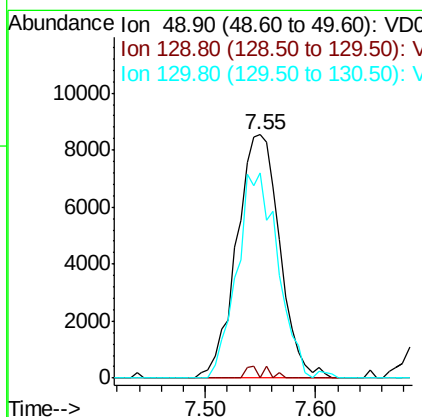
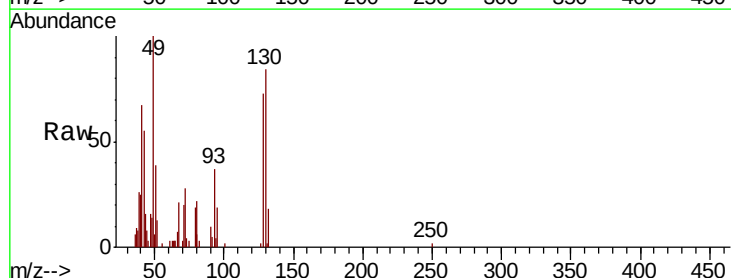
Manual Integrations
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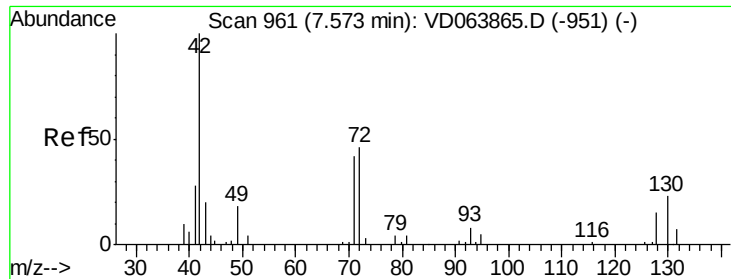
MMDadoda
 10/10/2019 1:45:59 PM



#28
 Bromochloromethane
 Concen: 17.829 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	23389		
129	1.2		0.0	5.6
130	79.7		66.8	100.2





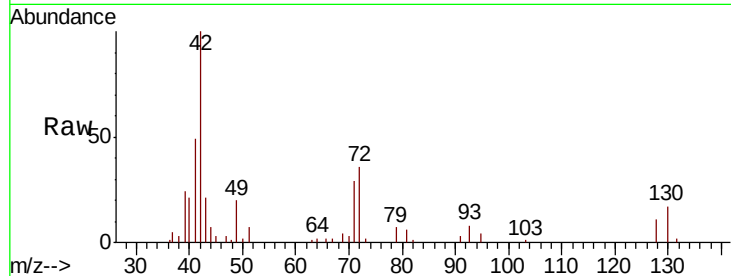
#29
Tetrahydrofuran
Concen: 95.657 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

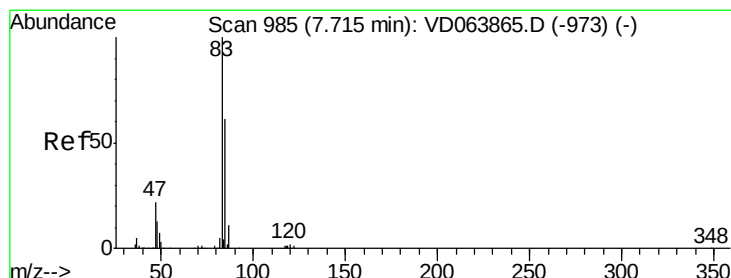
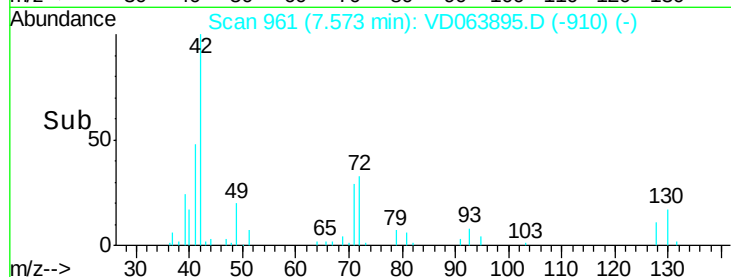
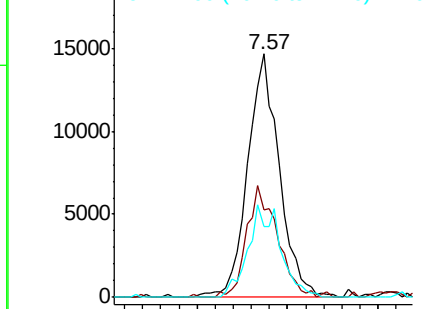
Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	37.6	56.4
71	38.8	35.0	52.6

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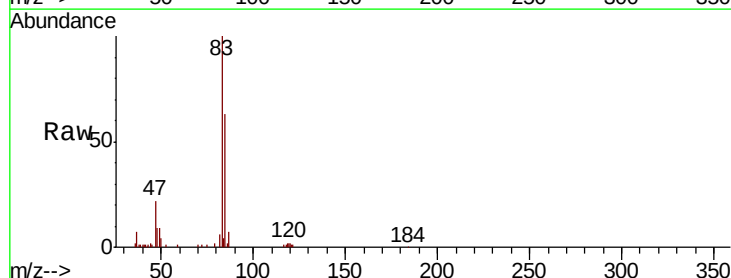


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

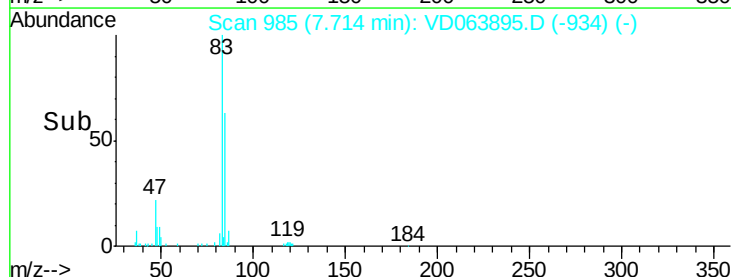
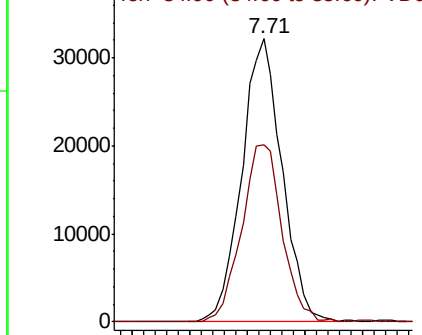


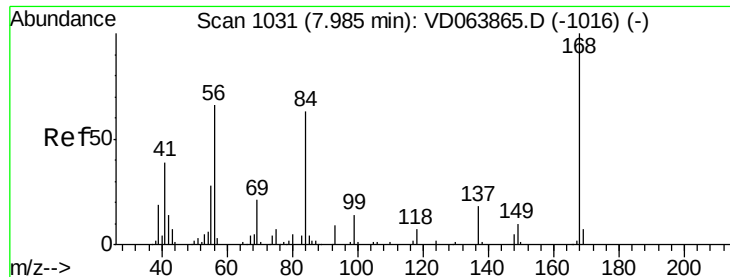
#30
Chloroform
Concen: 19.328 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	48.9	73.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





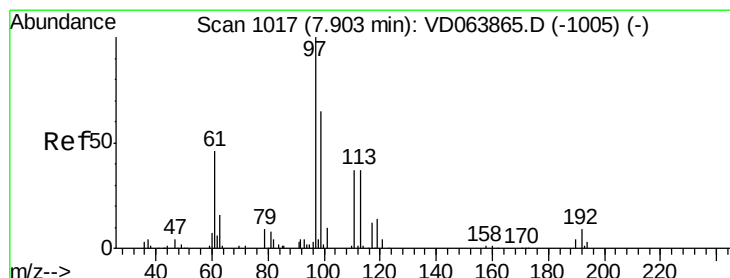
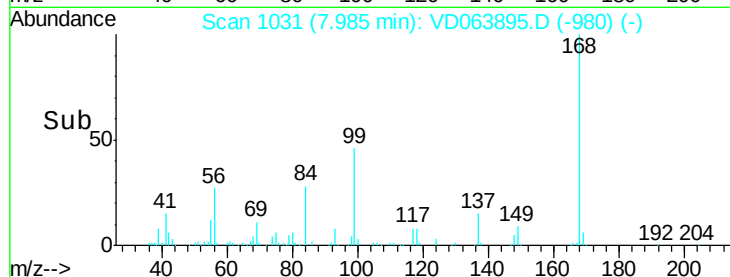
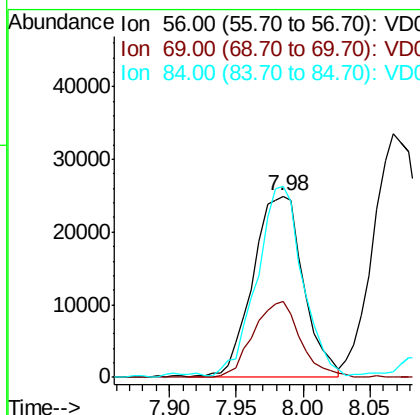
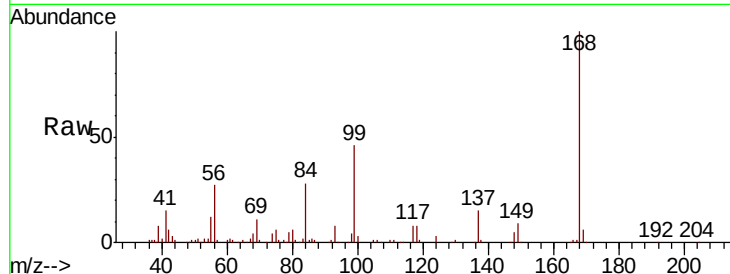
#31
Cyclohexane
Concen: 18.854 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	56	69	84
Resp: 65452	100	41.9	103.7
Lower		25.0	76.3
Upper		37.4#	114.5

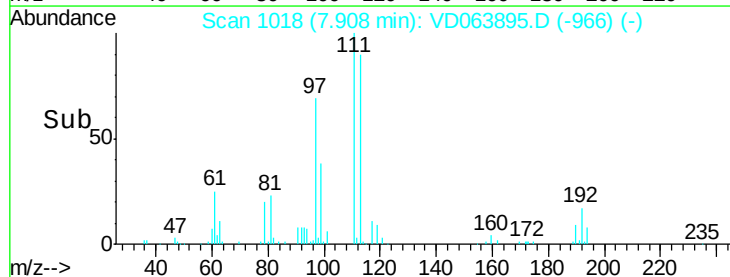
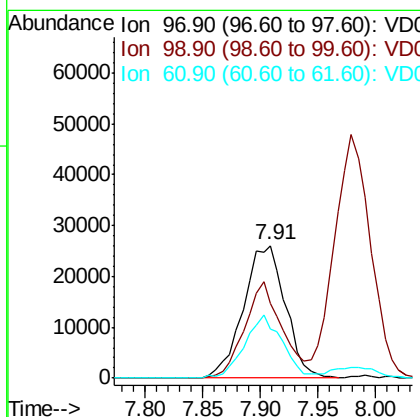
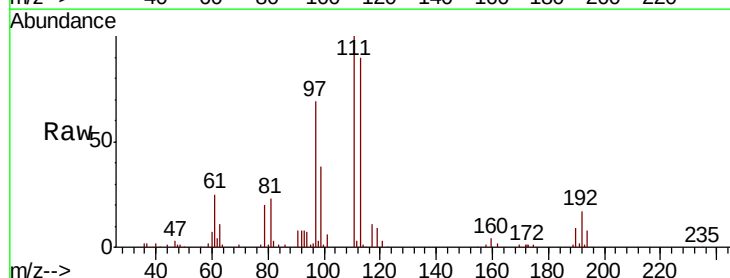
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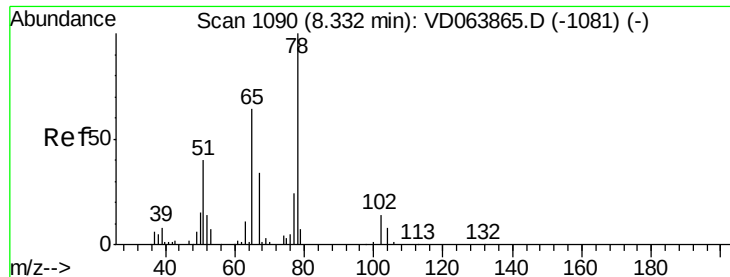
MMDadoda
10/10/2019 1:45:59 PM



#32
1,1,1-Trichloroethane
Concen: 19.088 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	97	99	61
Resp: 65972	100	64.0	43.2
Lower		52.4	33.8
Upper		78.6	50.8





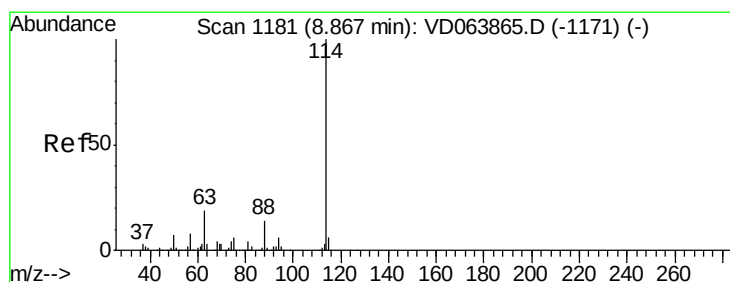
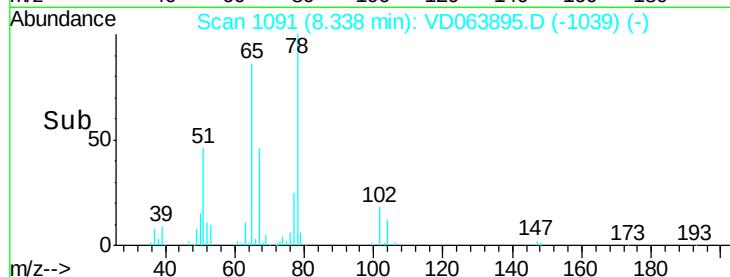
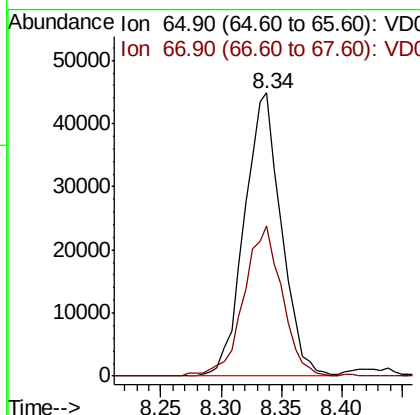
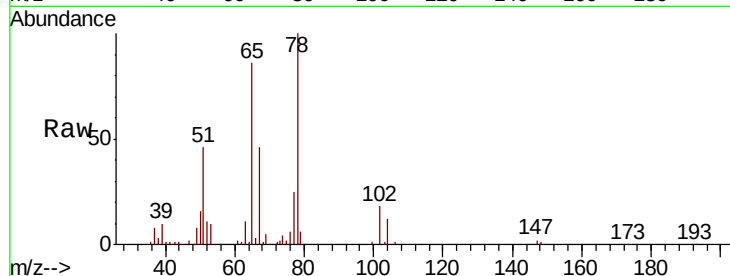
#33
 1,2-Dichloroethane-d4
 Concen: 46.345 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.8	0.0	106.4	

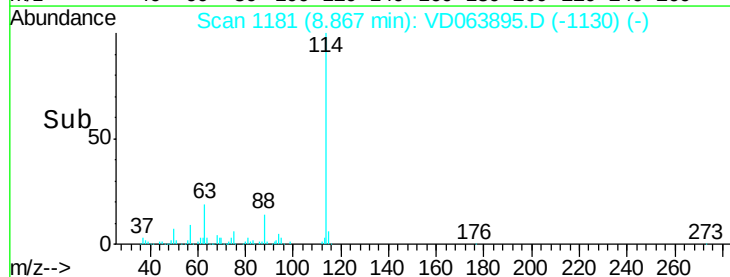
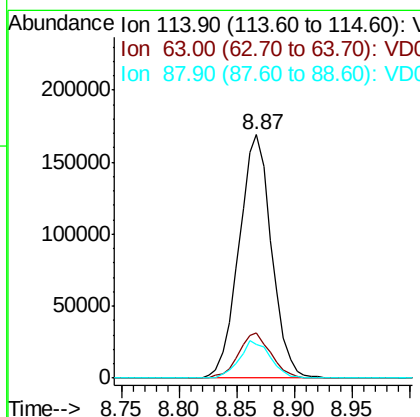
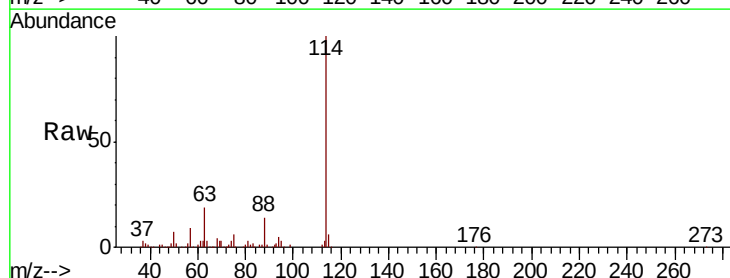
Manual Integrations
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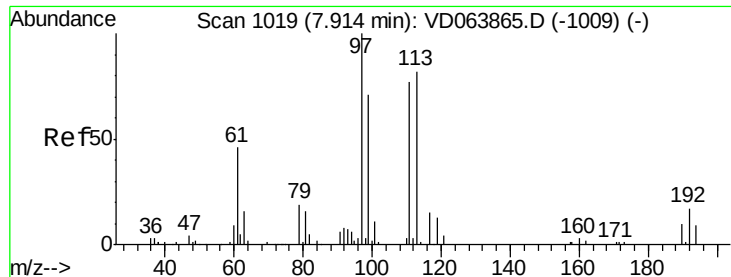
MMDadoda
 10/10/2019 1:45:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.7	0.0	38.4	
88	13.8	0.0	27.4	





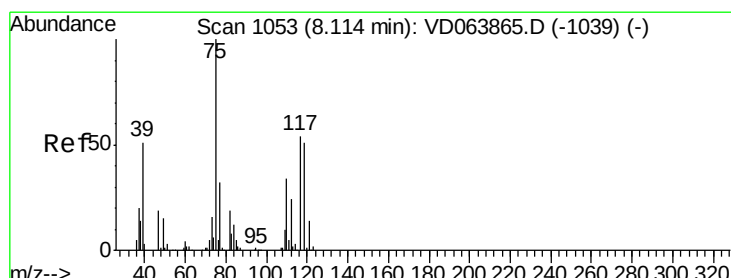
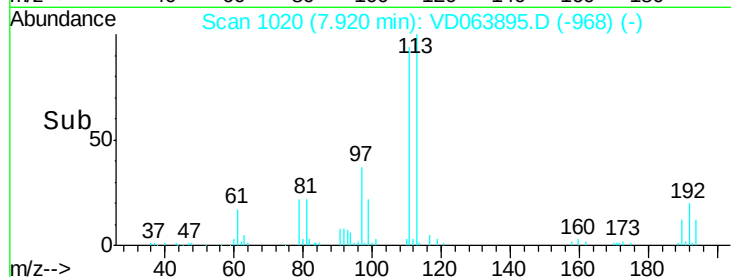
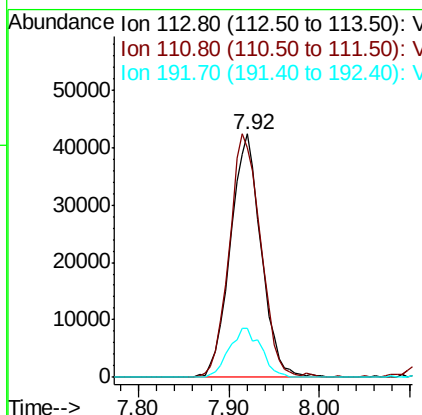
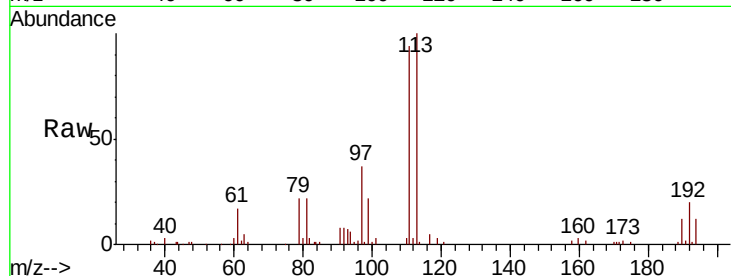
#35
 Dibromofluoromethane
 Concen: 49.448 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.6	123.8
192	20.9	17.1	25.7

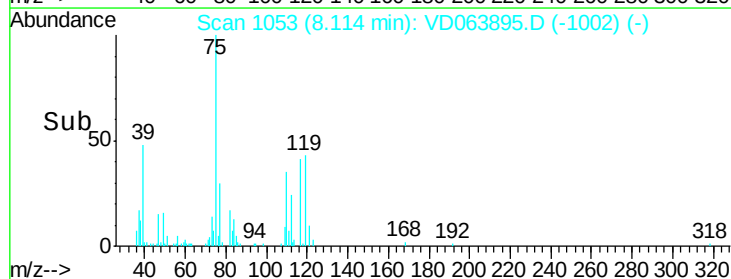
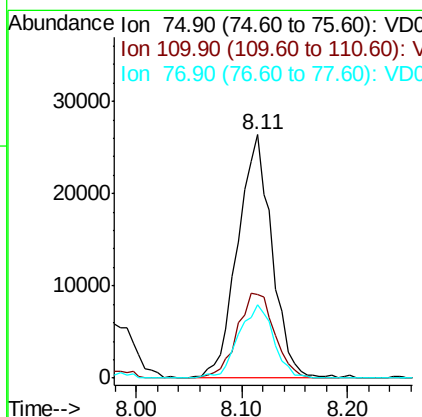
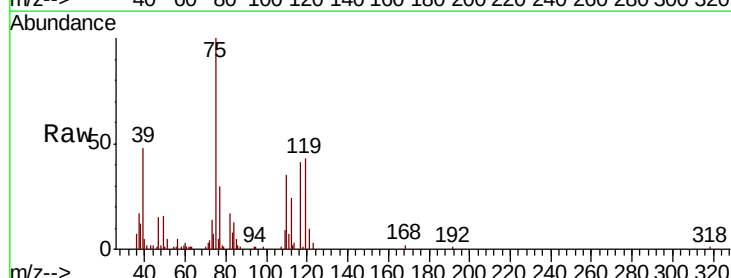
Manual Integrations
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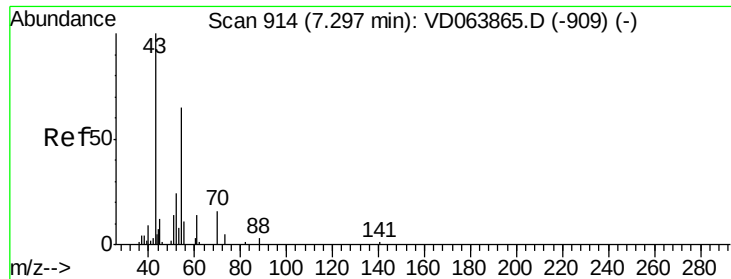
MMDadoda
 10/10/2019 1:45:59 PM



#36
 1,1-Dichloropropene
 Concen: 19.675 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	17.4	52.3
77	30.8	25.4	38.0





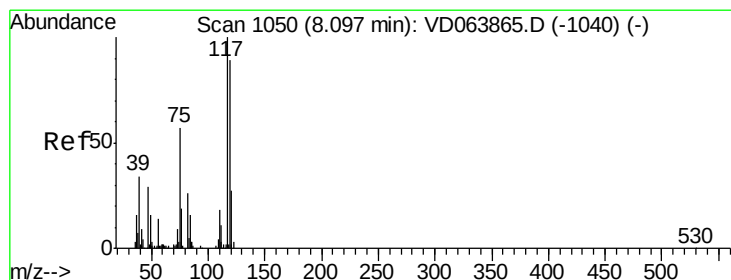
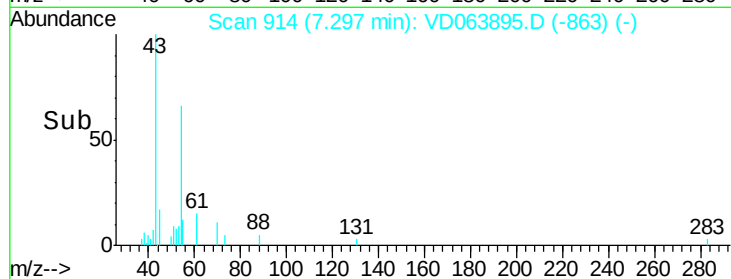
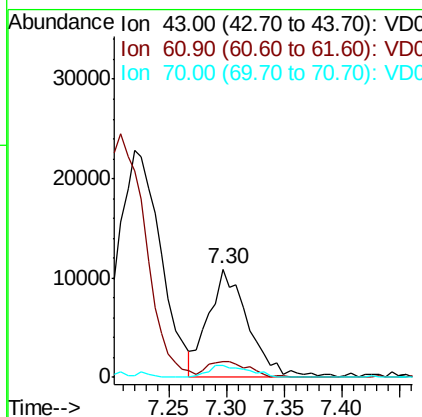
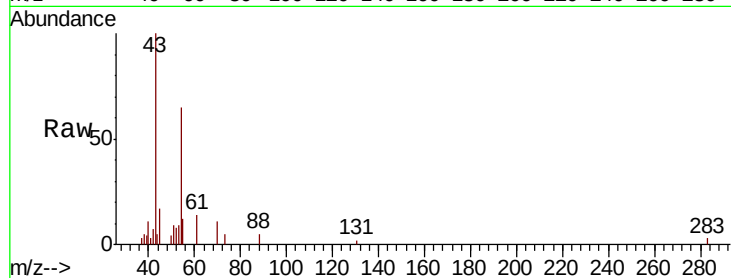
#37
Ethyl Acetate
Concen: 19.059 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.5	17.3
70	10.8	8.2	12.4

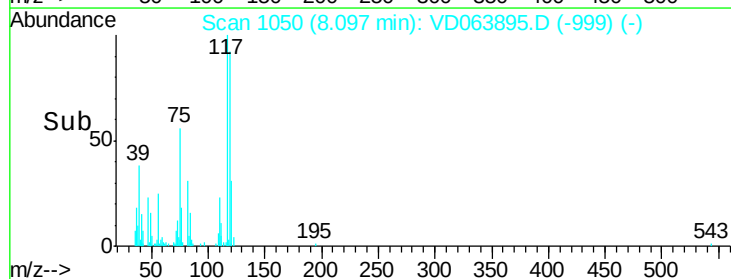
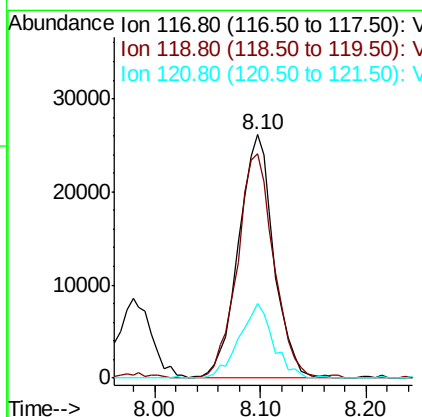
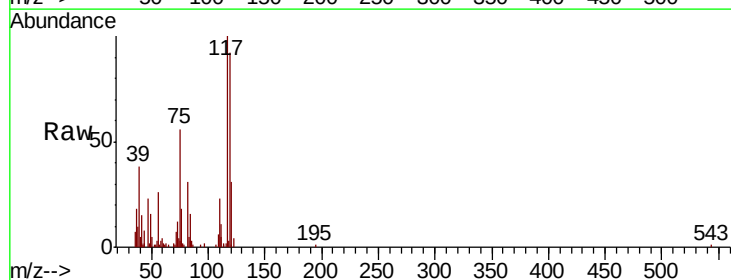
Manual Integrations
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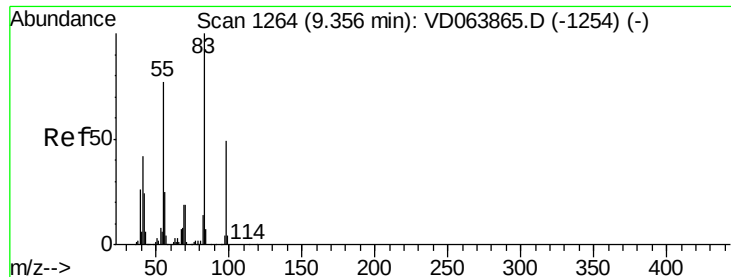
MMDadoda
10/10/2019 1:45:59 PM



#38
Carbon Tetrachloride
Concen: 19.842 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.4	70.8	106.2
121	30.6	21.4	32.0





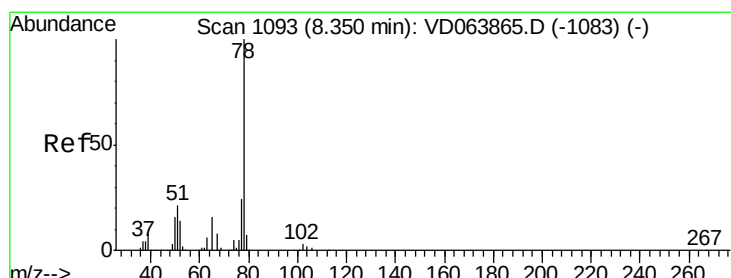
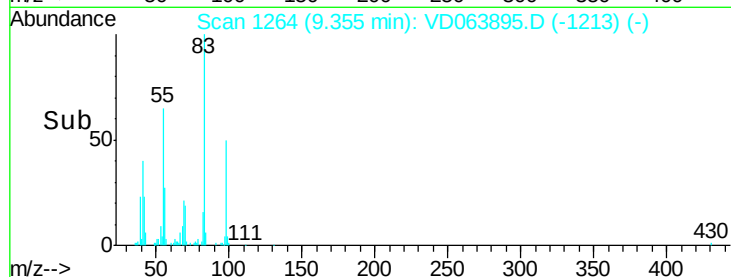
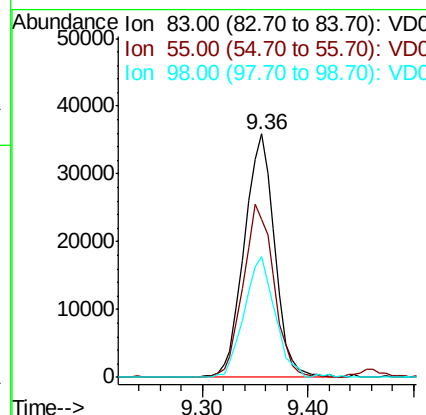
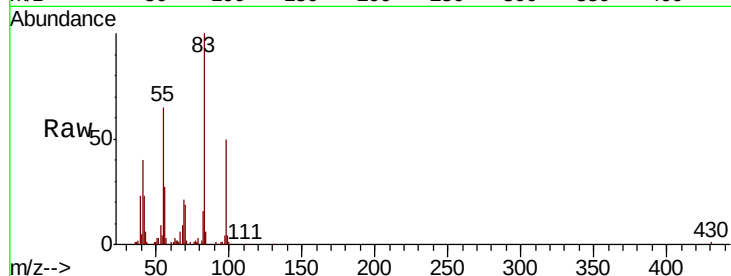
#39
Methylvlcyclohexane
Concen: 19.351 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.0	61.3	91.9
98	49.8	39.3	58.9

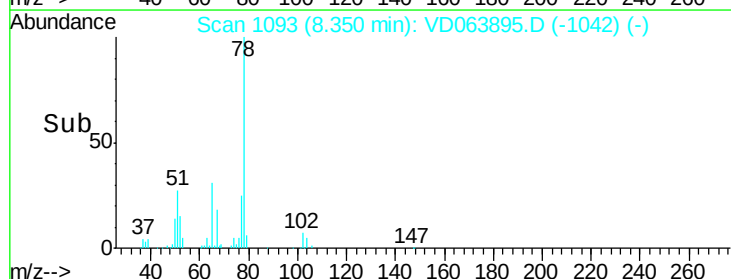
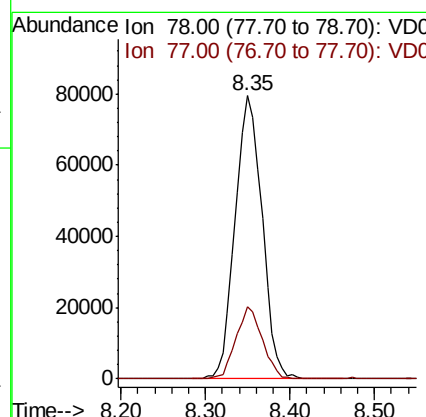
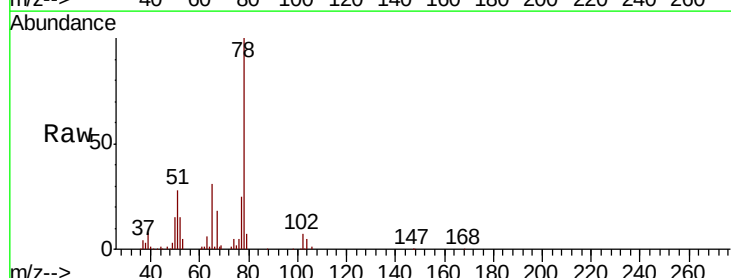
Manual Integrations
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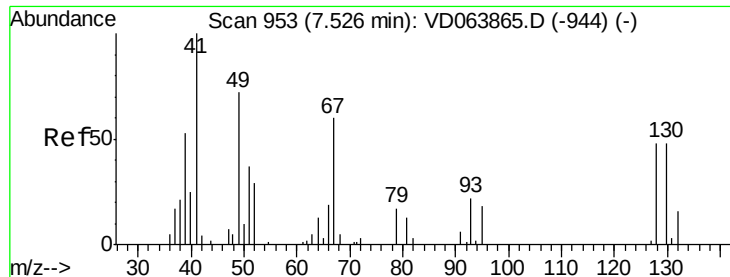
MMDadoda
10/10/2019 1:45:59 PM



#40
Benzene
Concen: 20.213 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.0	28.6





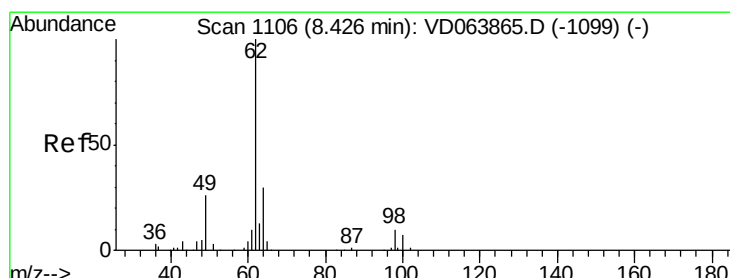
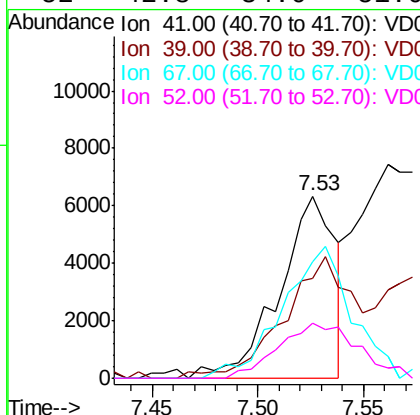
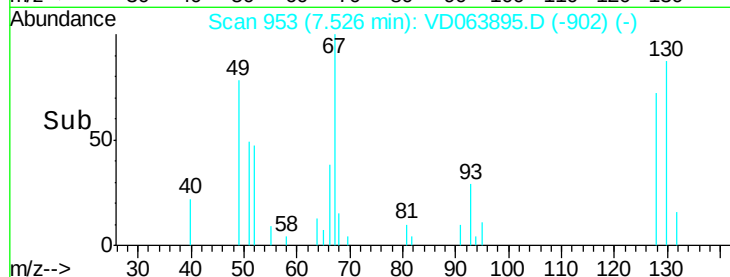
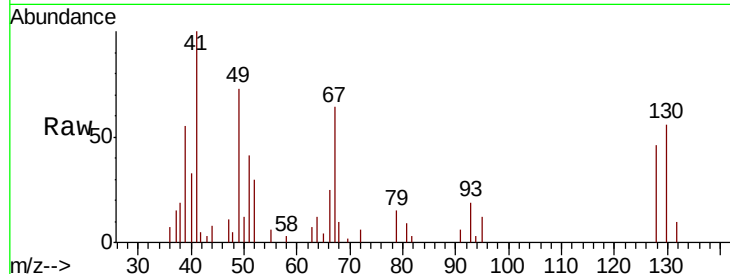
#41
Methacrylonitrile
Concen: 16.716 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion: 41 Resp: 11709
Ion Ratio Lower Upper
41 100
39 81.0 52.6 78.8#
67 89.8 74.2 111.2
52 42.8 34.0 51.0

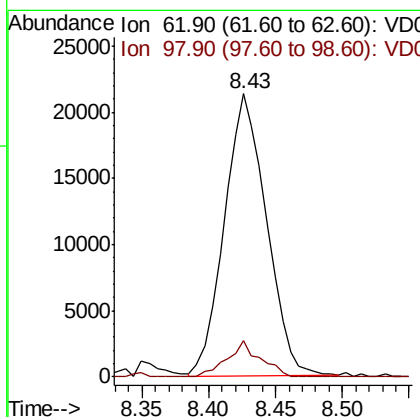
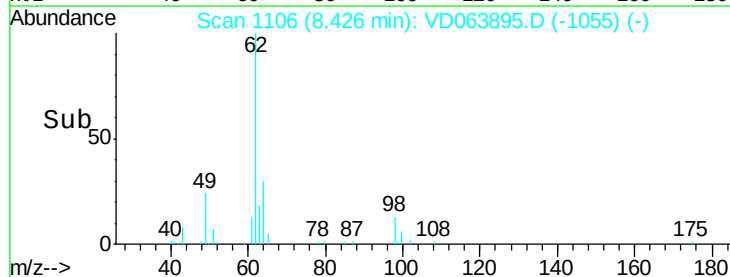
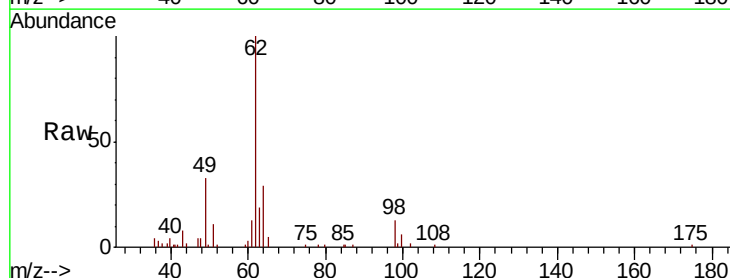
Manual Integrations
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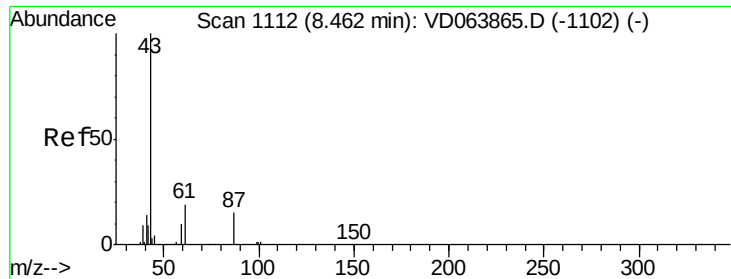
MMDadoda
10/10/2019 1:45:59 PM



#42
1,2-Dichloroethane
Concen: 18.603 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion: 62 Resp: 46591
Ion Ratio Lower Upper
62 100
98 10.0 0.0 20.0





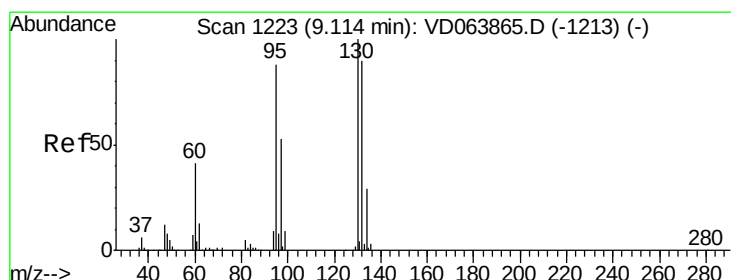
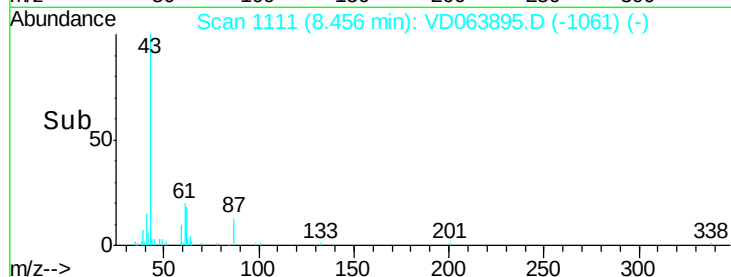
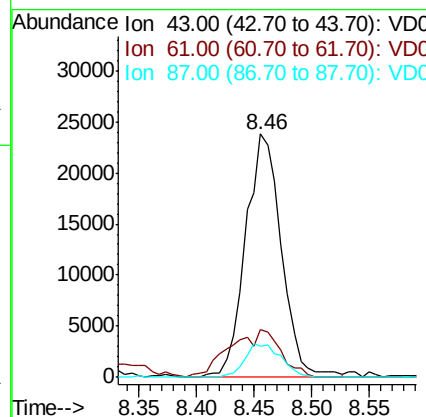
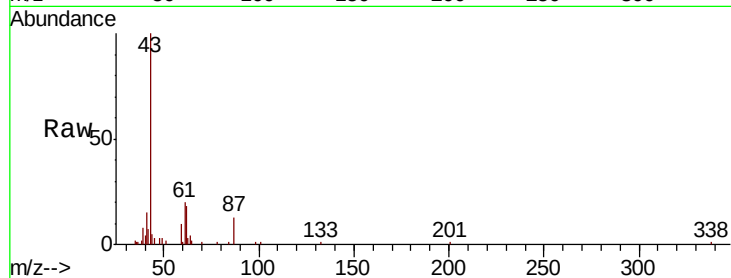
#43
Isopropyl Acetate
Concen: 20.301 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.8	25.7	38.5
87	14.0	11.6	17.4

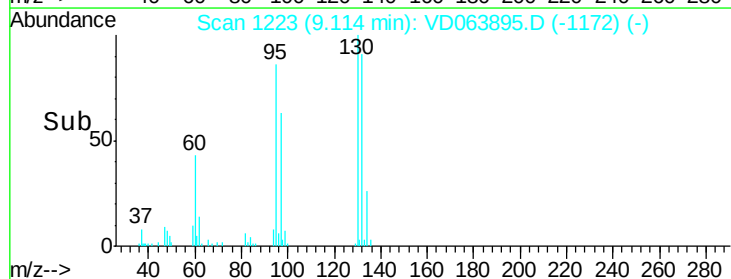
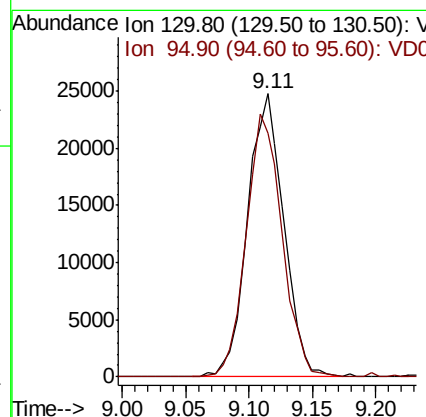
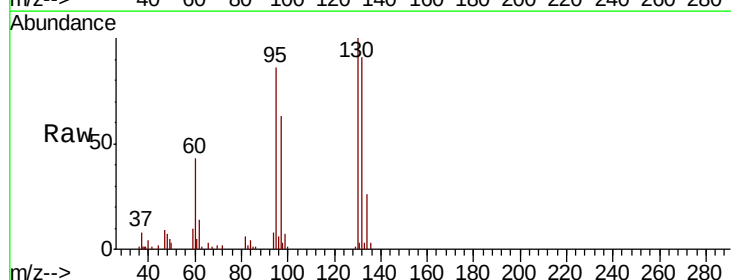
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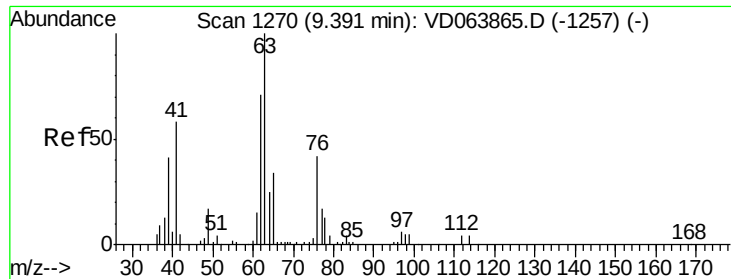
MMDadoda
10/10/2019 1:45:59 PM



#44
Trichloroethene
Concen: 19.698 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.2	0.0	175.6





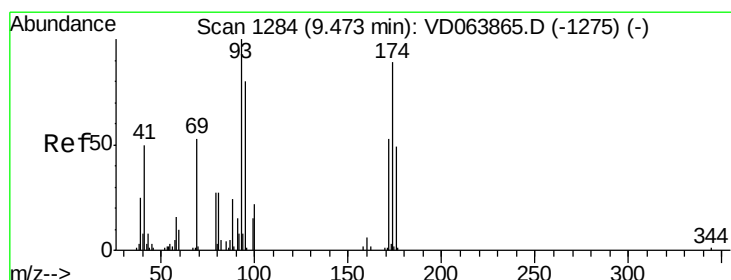
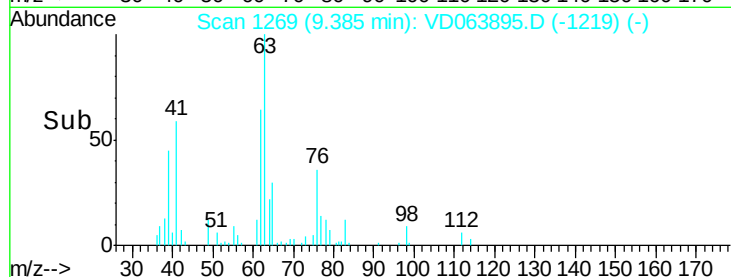
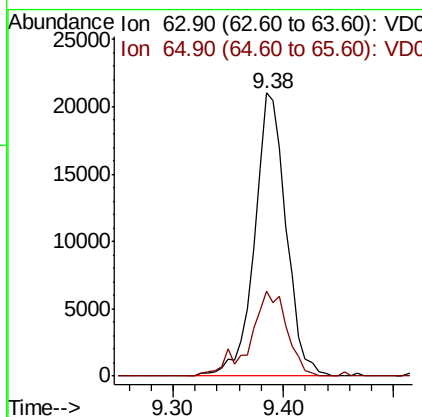
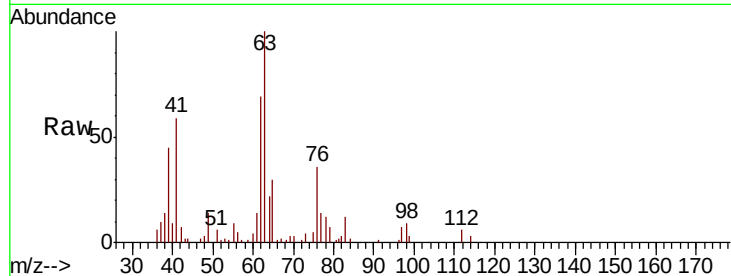
#45
 1,2-Dichloropropane
 Concen: 19.829 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.01 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.9	27.3	40.9

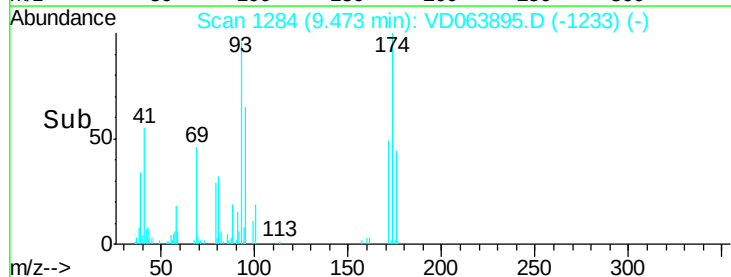
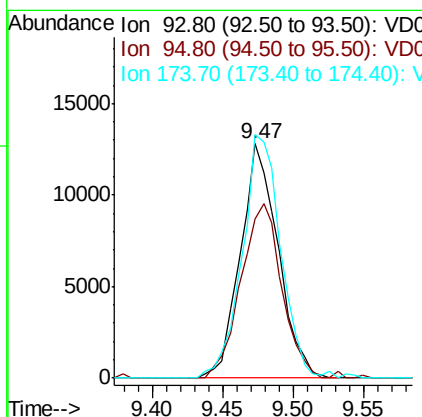
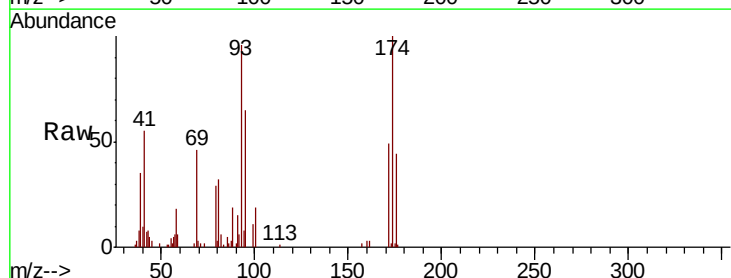
Manual Integrations
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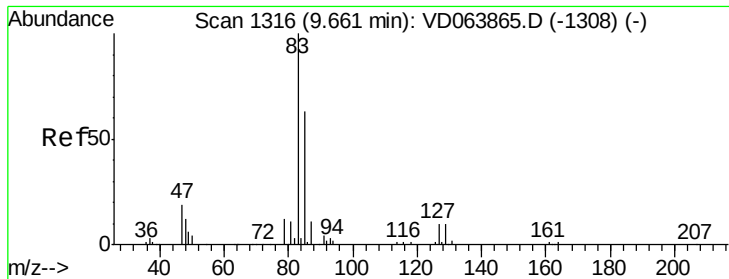
MMDadoda
 10/10/2019 1:45:59 PM



#46
 Dibromomethane
 Concen: 19.873 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.2	66.0	99.0
174	105.9	83.4	125.0





#47

Bromodichloromethane

Concen: 19.350 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

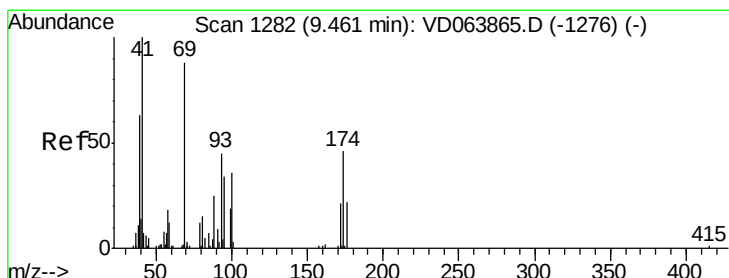
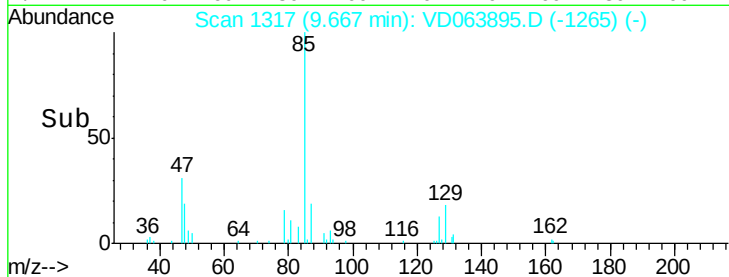
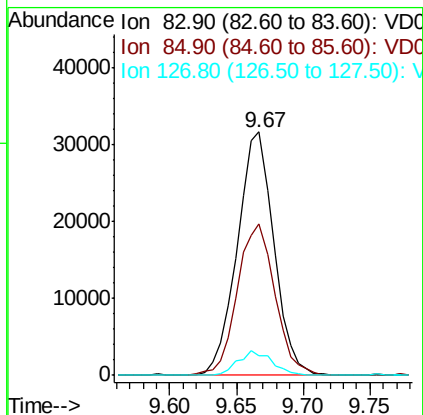
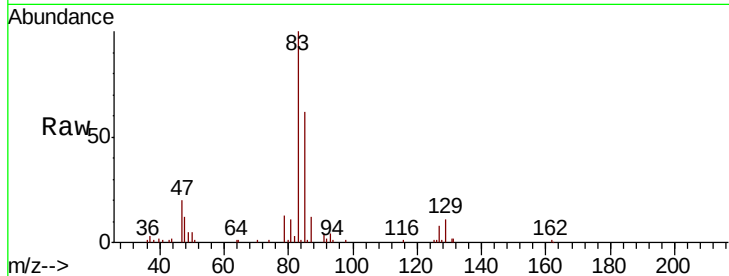
ClientSampleId :

VD1007SBS01

Tot Ion:	83	Resp:	60127
Ion	Ratio	Lower	Upper
83	100		
85	62.0	50.2	75.2
127	8.1	7.6	11.4

Manual Integrations
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MMDadoda
10/10/2019 1:45:59 PM



#48

Methyl methacrylate

Concen: 18.593 ug/l

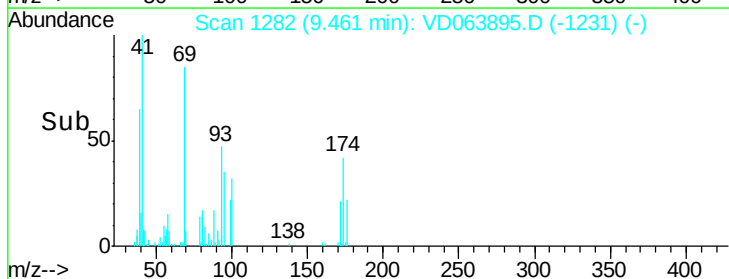
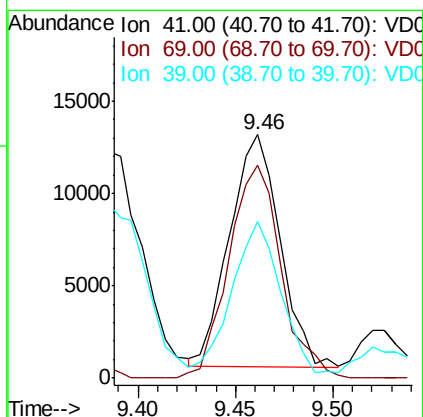
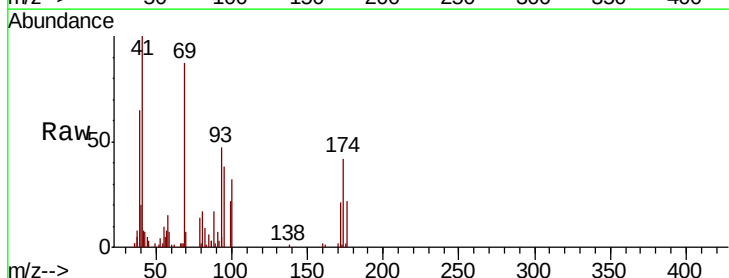
RT: 9.46 min Scan# 1282

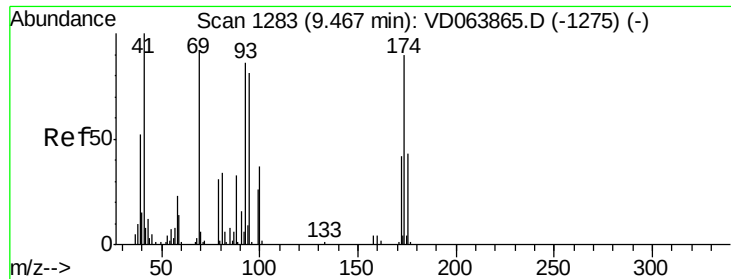
Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Tgt Ion:	41	Resp:	22572
Ion	Ratio	Lower	Upper
41	100		
69	95.2	75.1	112.7
39	67.8	50.2	75.2





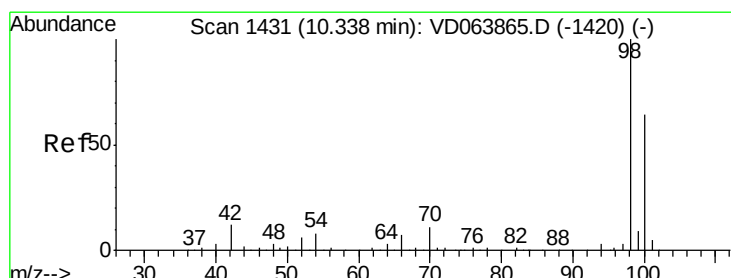
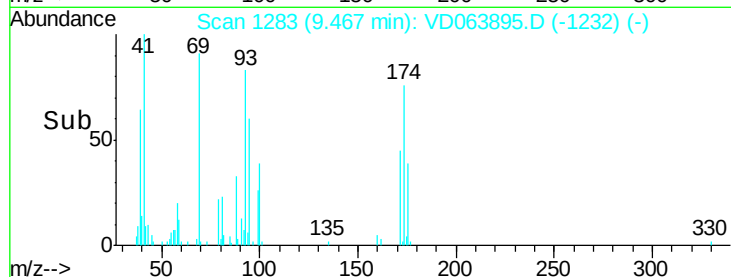
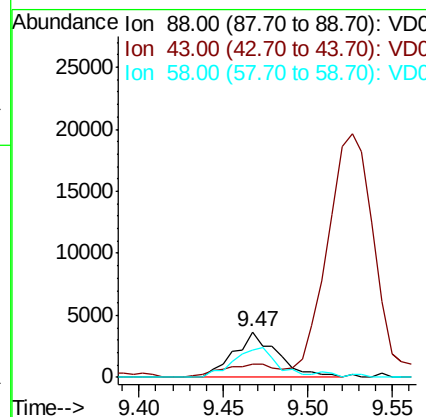
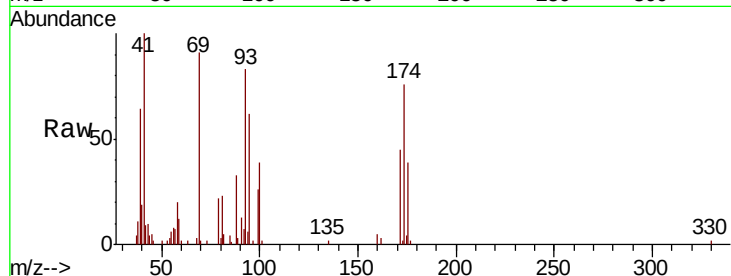
#49
1,4-Dioxane
Concen: 395.046 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.7	27.6	41.4
58	65.9	54.1	81.1

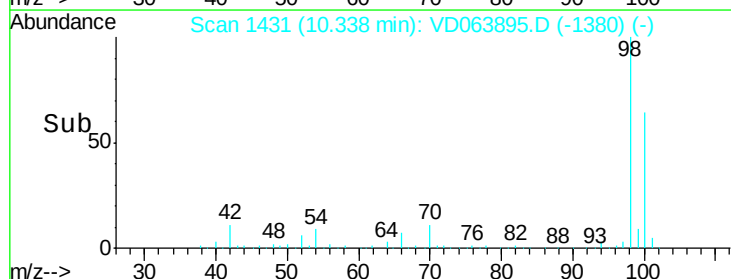
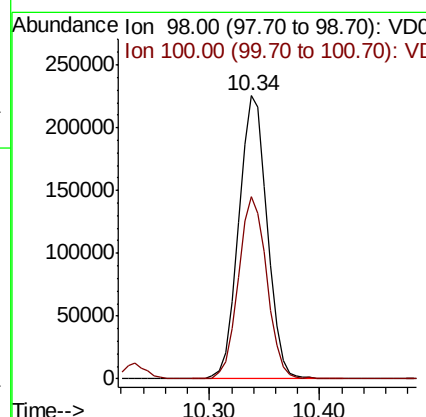
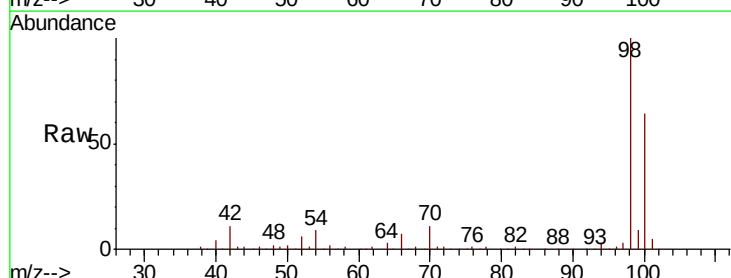
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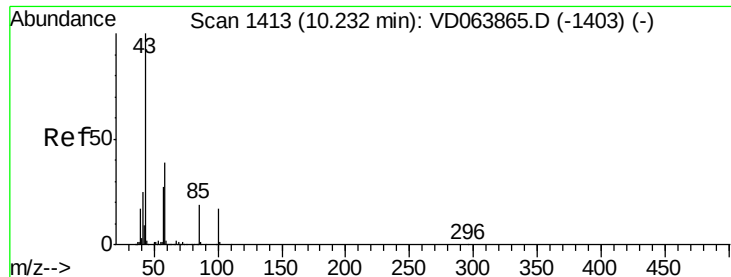
MMDadoda
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#50
Toluene-d8
Concen: 49.795 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.1	78.1





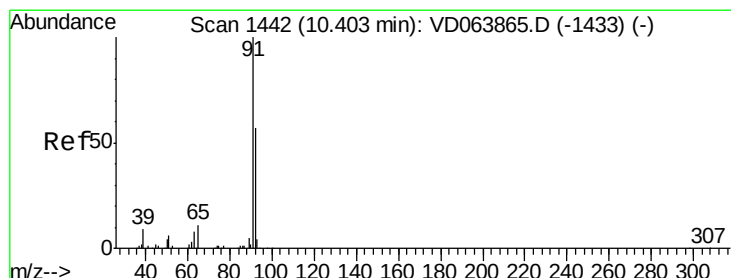
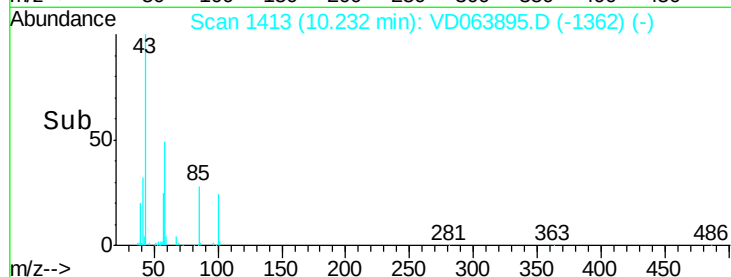
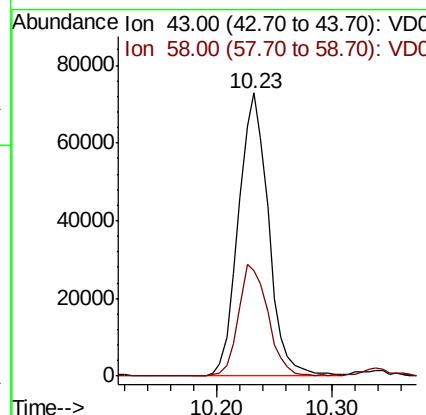
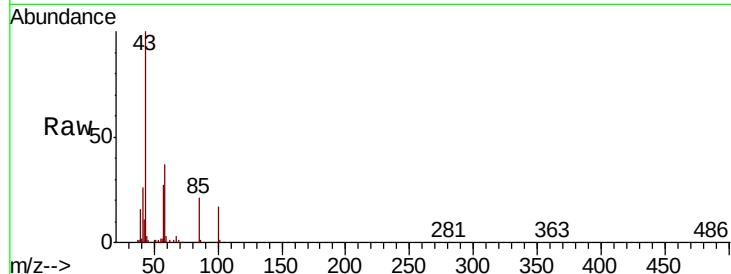
#51
4-Methyl-2-Pentanone
Concen: 100.424 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.5	33.0	49.4

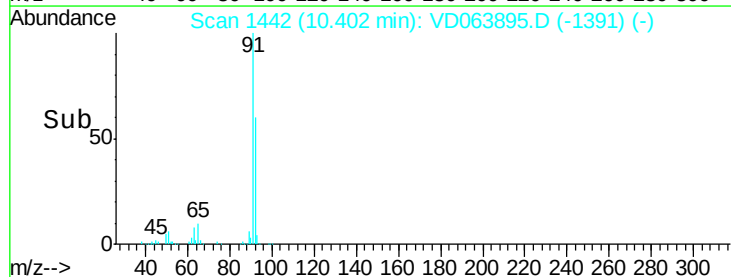
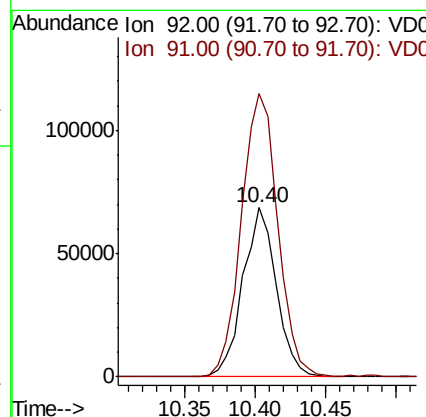
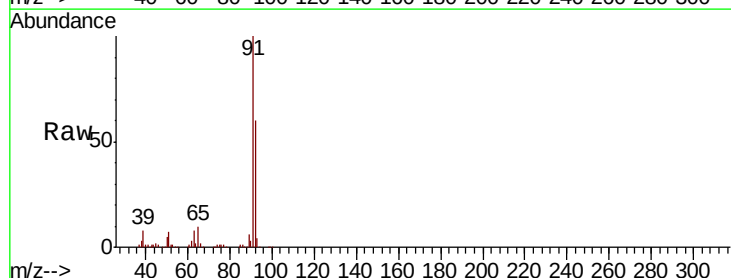
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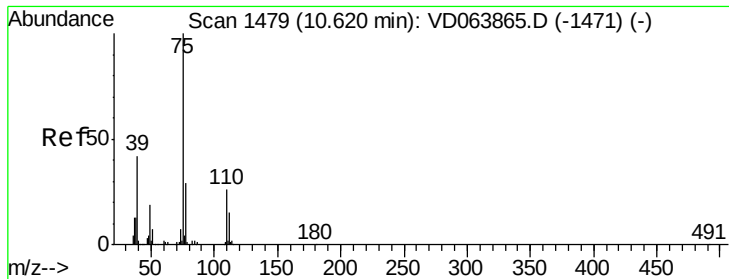
MMDadoda
10/10/2019 1:45:59 PM



#52
Toluene
Concen: 19.259 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
92	100		
91	180.6	139.5	209.3





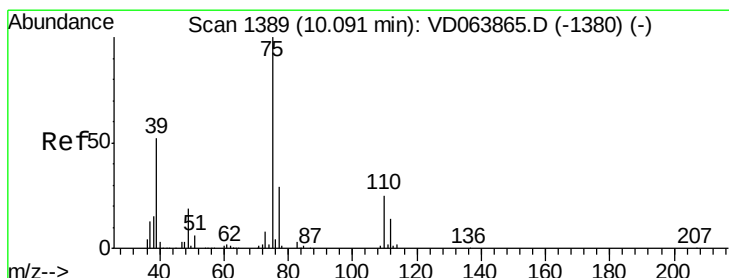
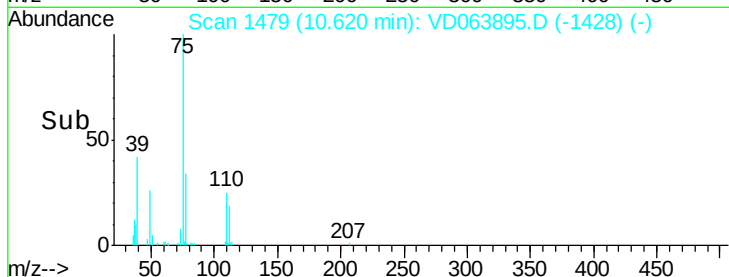
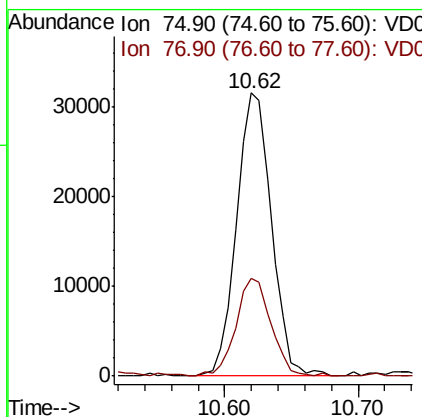
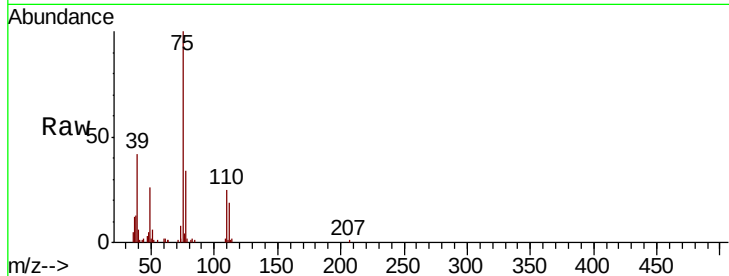
#53
 t-1,3-Dichloropropene
 Concen: 18.735 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion: 75 Resp: 56806
 Ion Ratio Lower Upper
 75 100
 77 34.4 22.8 34.2#

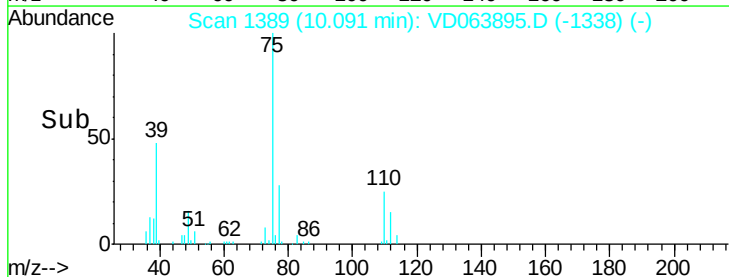
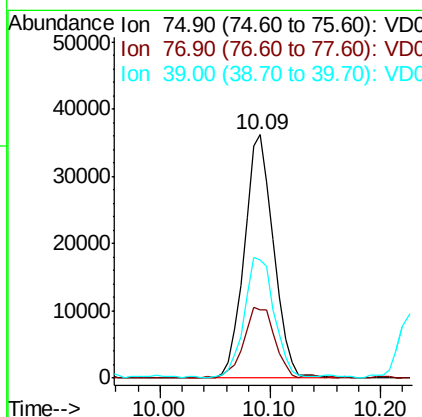
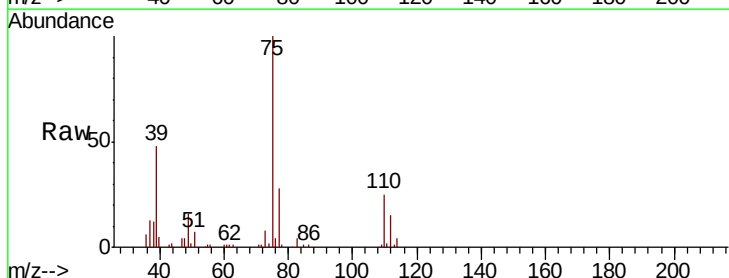
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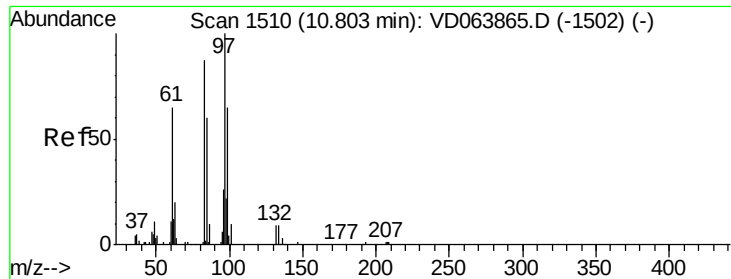
MMDadoda
 10/10/2019 1:45:59 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.306 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Tgt Ion: 75 Resp: 67384
 Ion Ratio Lower Upper
 75 100
 77 27.8 23.2 34.8
 39 47.9 41.5 62.3





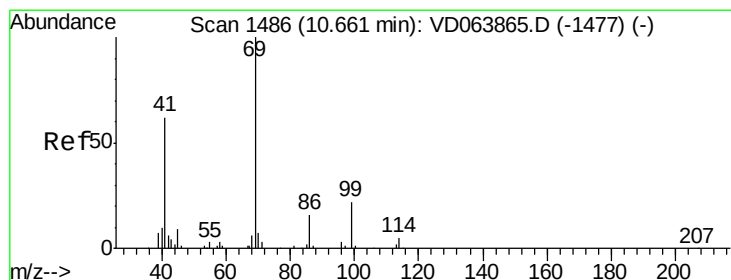
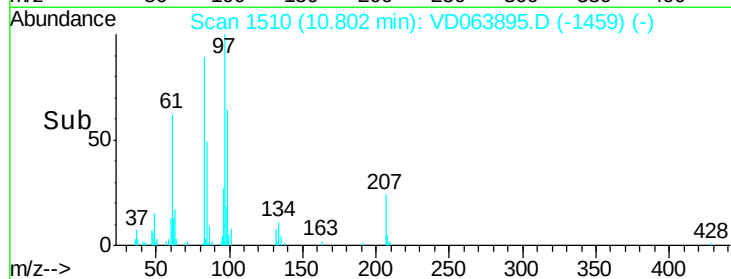
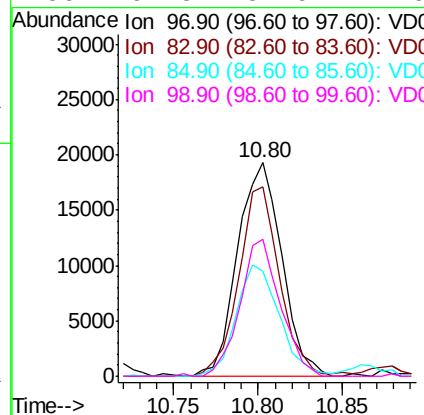
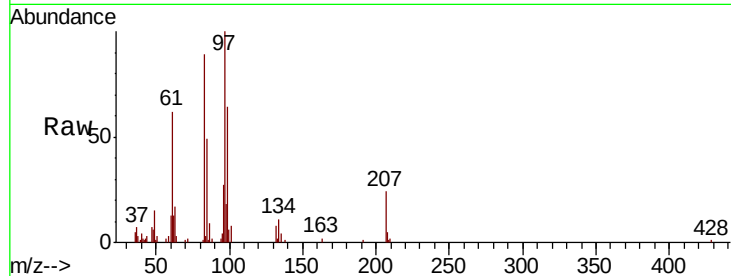
#55
 1,1,2-Trichloroethane
 Concen: 20.588 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion:	97	Resp:	35083
Ion	Ratio	Lower	Upper
97	100		
83	88.6	69.7	104.5
85	48.9	48.1	72.1
99	64.3	51.9	77.9

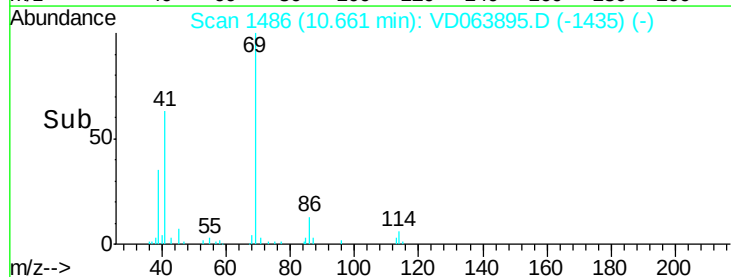
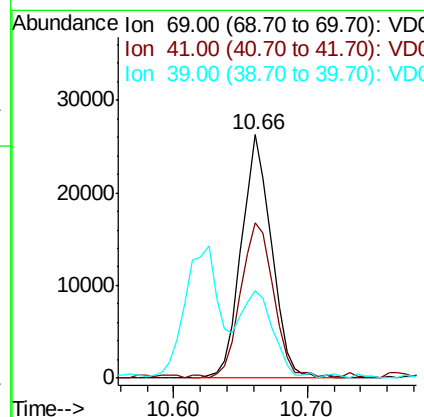
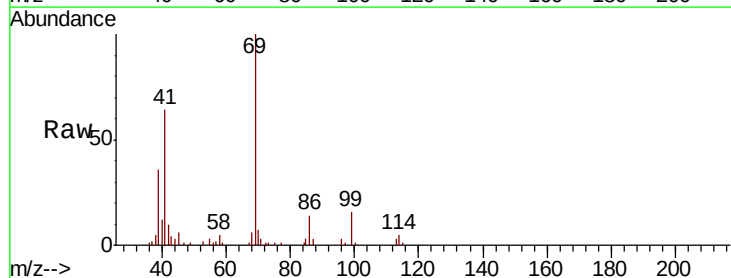
Manual Integrations
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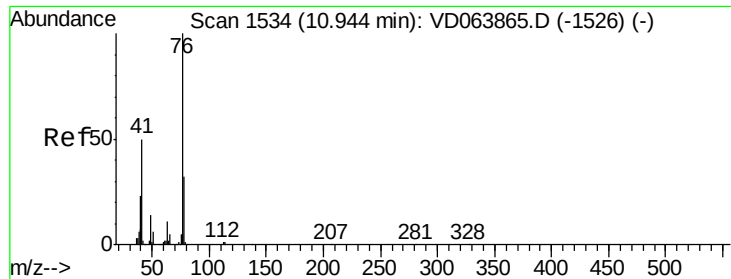
MMDadoda
 10/10/2019 1:45:59 PM



#56
 Ethyl methacrylate
 Concen: 18.991 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Tgt Ion:	69	Resp:	40982
Ion	Ratio	Lower	Upper
69	100		
41	70.5	51.3	76.9
39	38.4	28.0	42.0





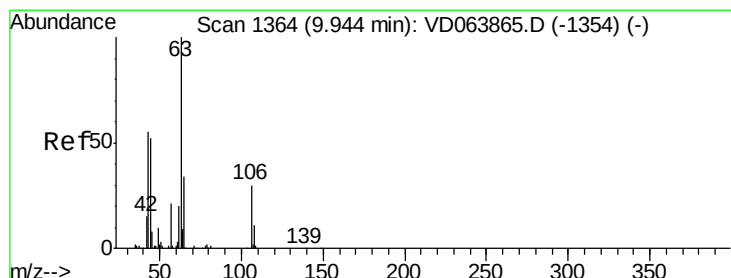
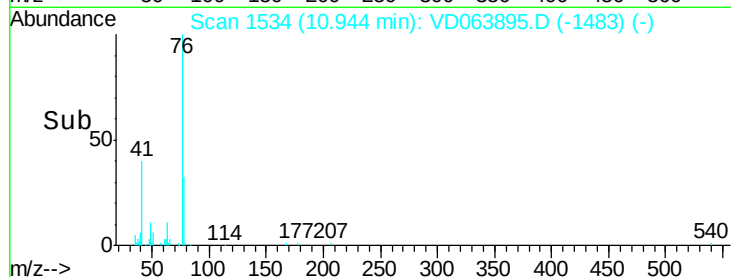
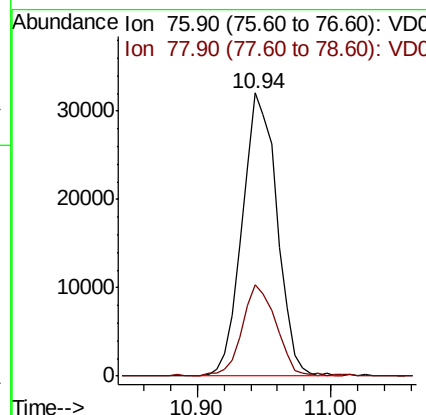
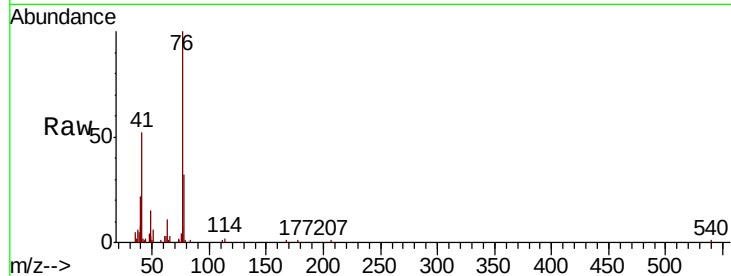
#57
 1,3-Dichloropropane
 Concen: 19.743 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion: 76 Resp: 57562
 Ion Ratio Lower Upper
 76 100
 78 31.7 26.6 40.0

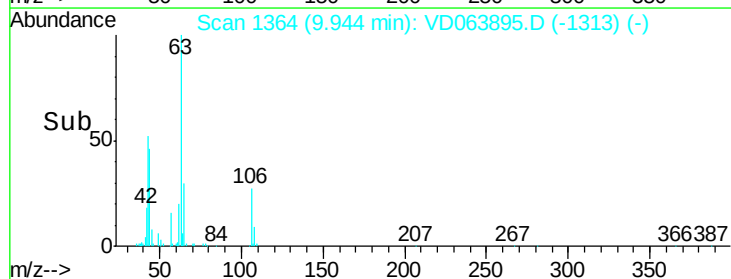
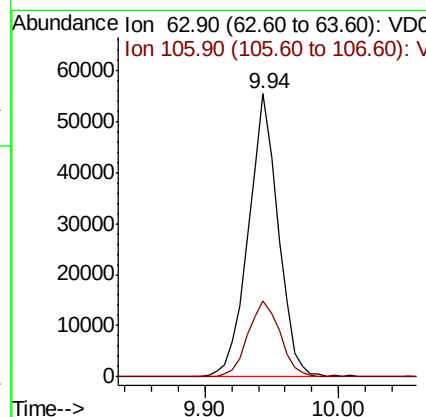
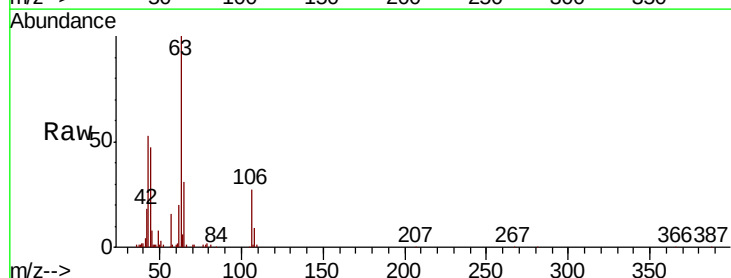
Manual Integrations
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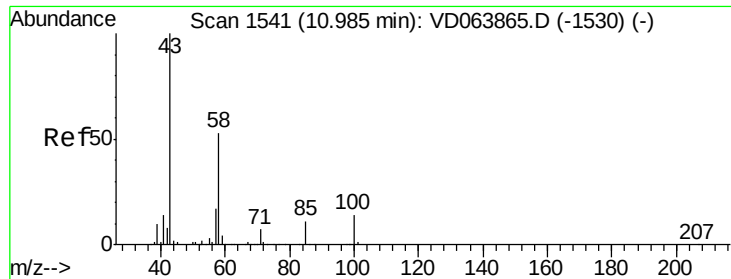
MMDadoda
 10/10/2019 1:45:59 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 91.618 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Tgt Ion: 63 Resp: 84983
 Ion Ratio Lower Upper
 63 100
 106 29.1 24.3 36.5





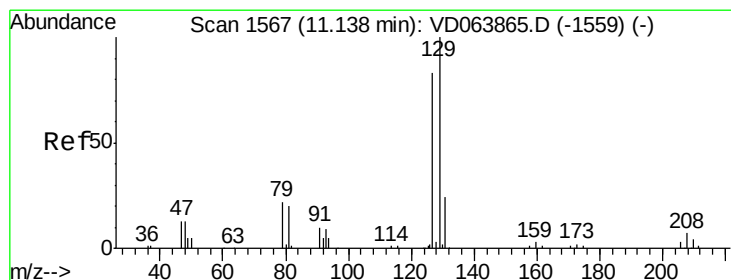
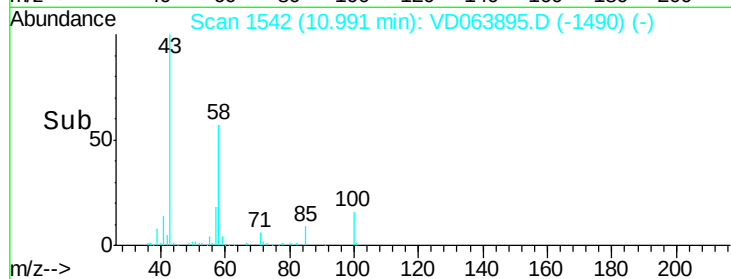
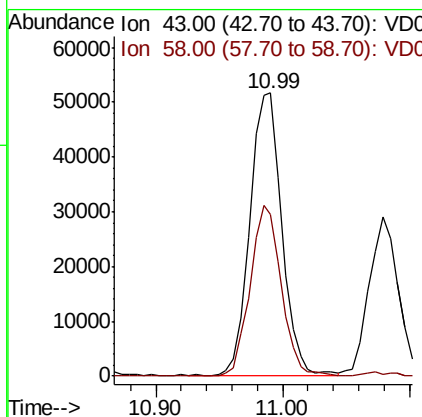
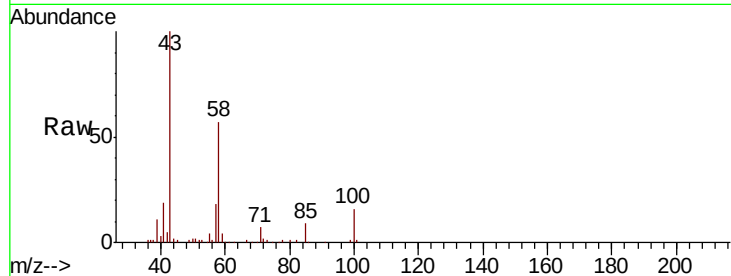
#59
2-Hexanone
Concen: 96.031 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	43	Resp	91281
Ion Ratio	100	Lower	Upper
43	100		
58	58.3	27.7	83.0

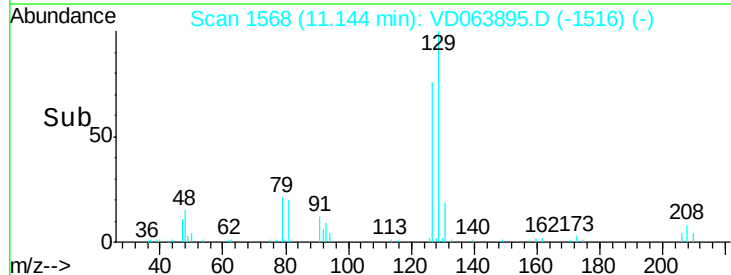
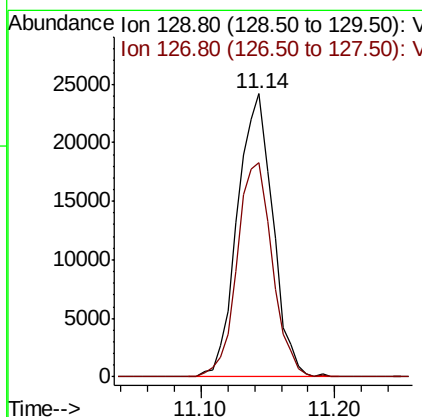
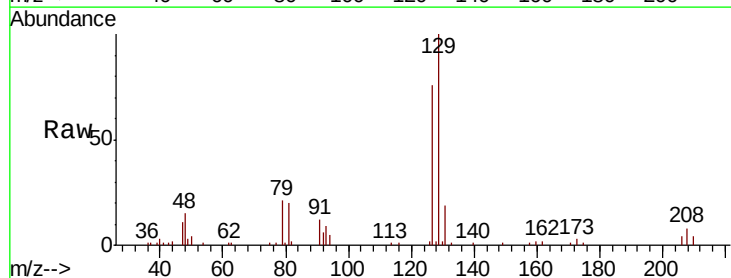
Manual Integrations
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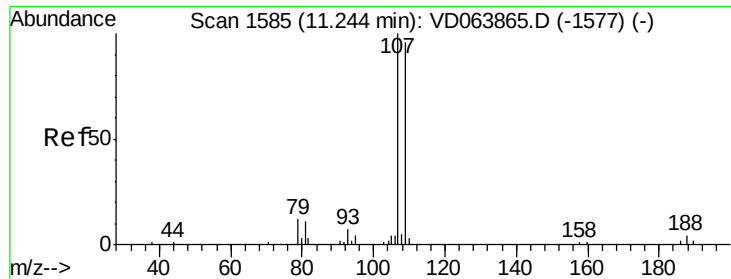
MMDadoda
10/10/2019 1:45:59 PM



#60
Dibromochloromethane
Concen: 19.949 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	129	Resp	44258
Ion Ratio	100	Lower	Upper
129	100		
127	75.8	39.9	119.6





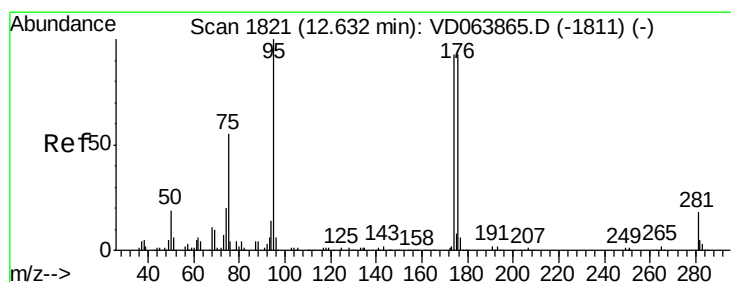
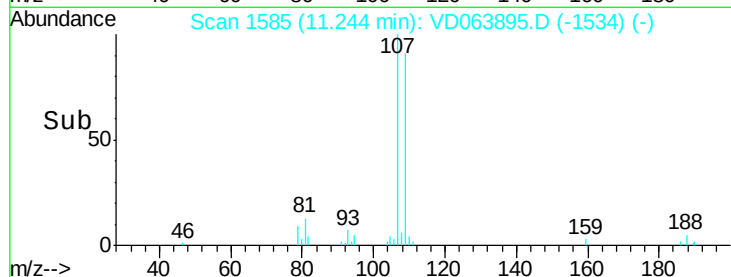
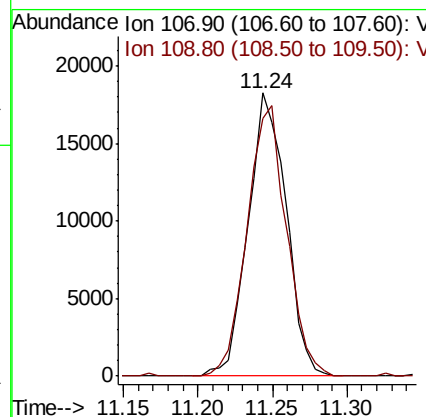
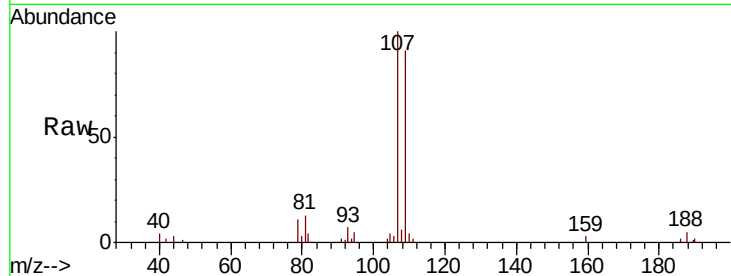
#61
 1,2-Dibromoethane
 Concen: 19.483 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	99.1	75.2	112.8

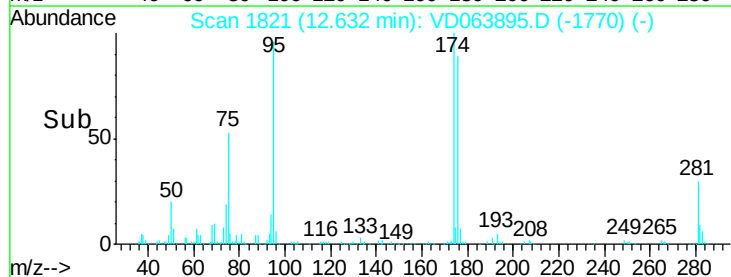
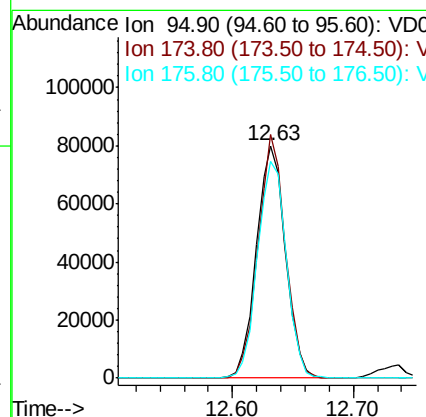
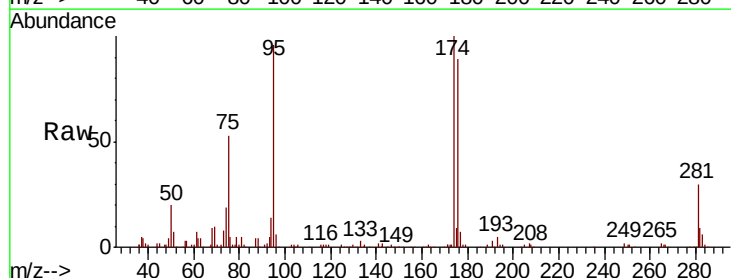
Manual Integrations
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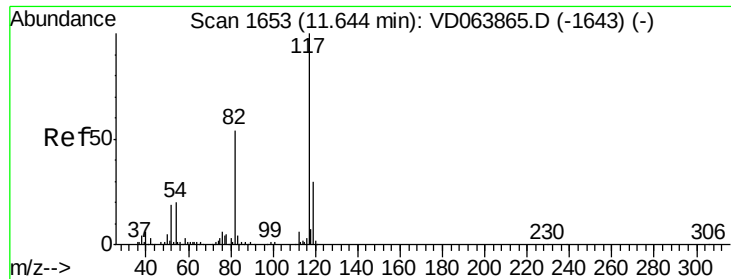
MMDadoda
 10/10/2019 1:45:59 PM



#62
 4-Bromofluorobenzene
 Concen: 46.885 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.9	0.0	186.4
176	92.9	0.0	184.2





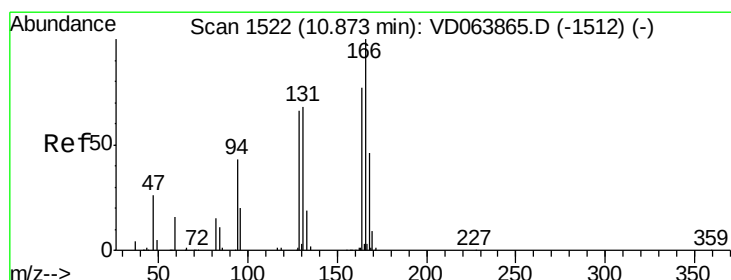
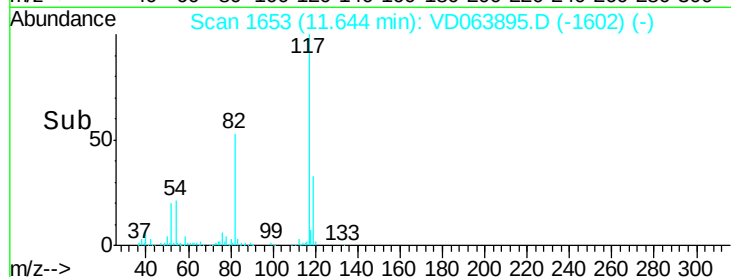
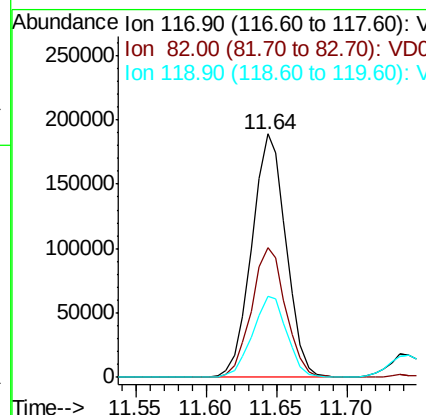
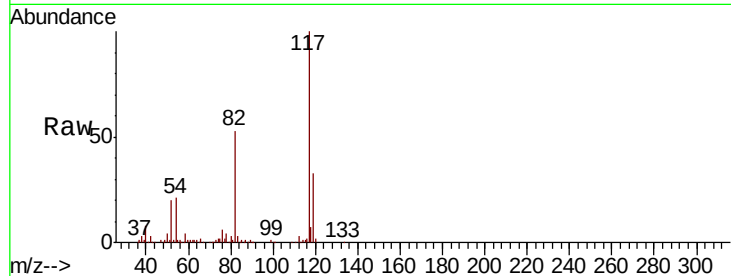
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.1	42.8	64.2
119	33.1	24.4	36.6

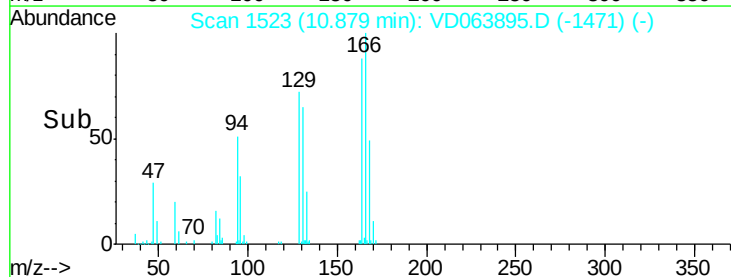
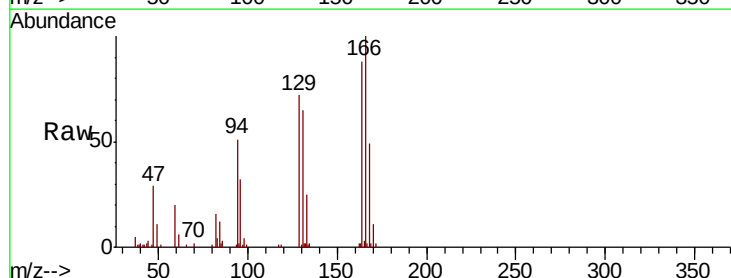
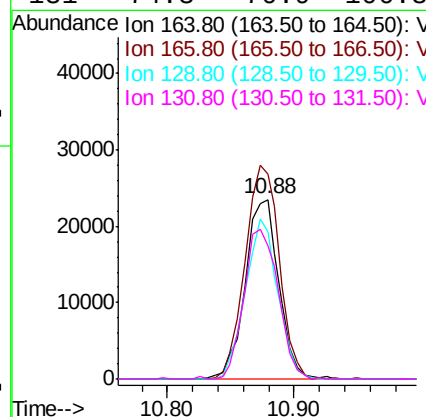
Manual Integrations
APPROVED

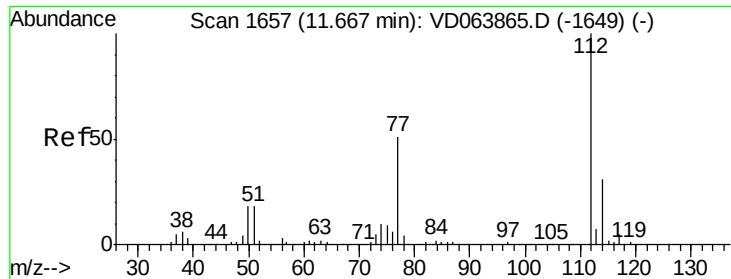
MMDadoda
10/10/2019 1:45:59 PM



#64
Tetrachloroethene
Concen: 19.681 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	113.7	103.8	155.6
129	82.1	68.9	103.3
131	74.3	70.9	106.3





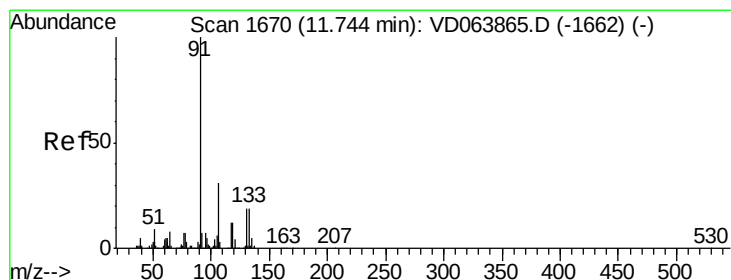
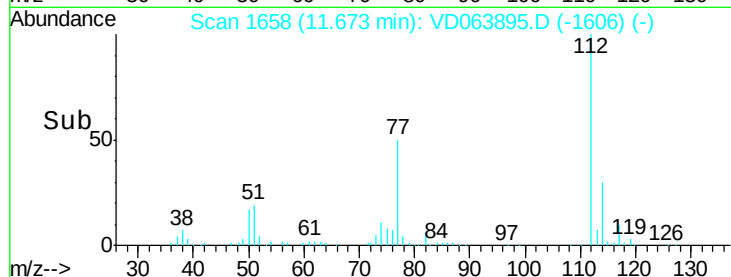
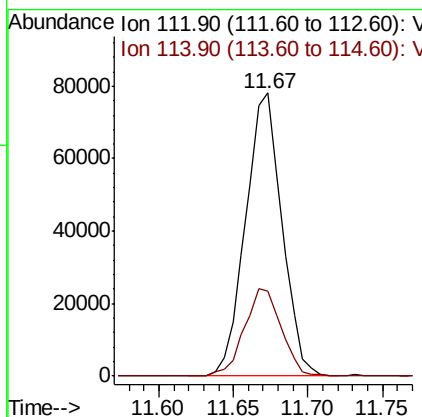
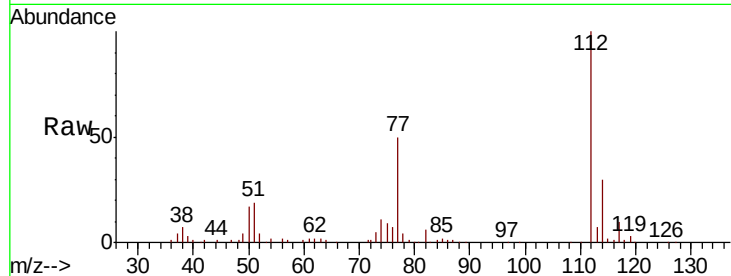
#65
Chlorobenzene
Concen: 20.342 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion:112 Resp: 131648
Ion Ratio Lower Upper
112 100
114 30.0 25.1 37.7

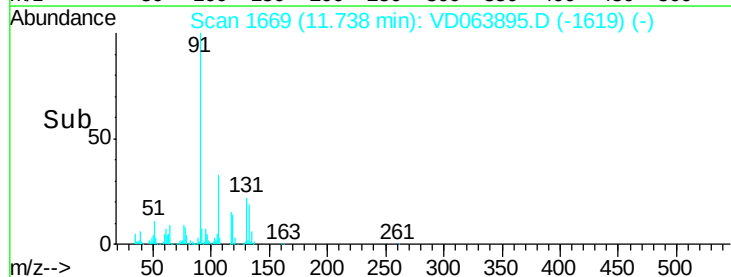
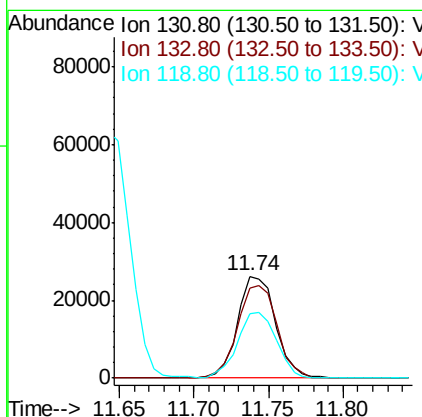
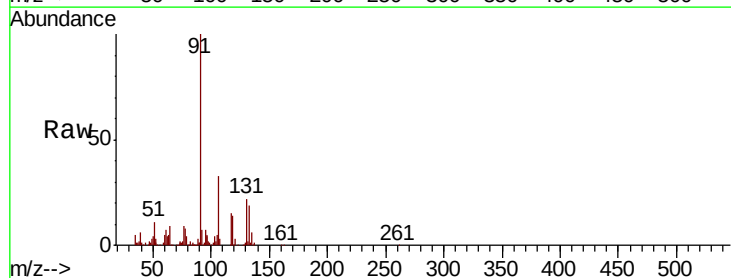
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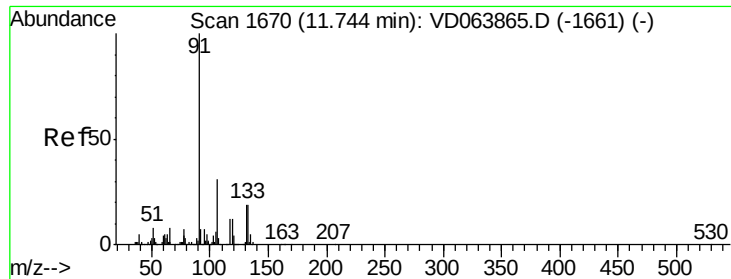
MMDadoda
10/10/2019 1:45:59 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.399 ug/l
RT: 11.74 min Scan# 1669
Delta R.T. -0.01 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion:131 Resp: 46260
Ion Ratio Lower Upper
131 100
133 94.1 48.9 146.7
119 66.6 32.6 97.8





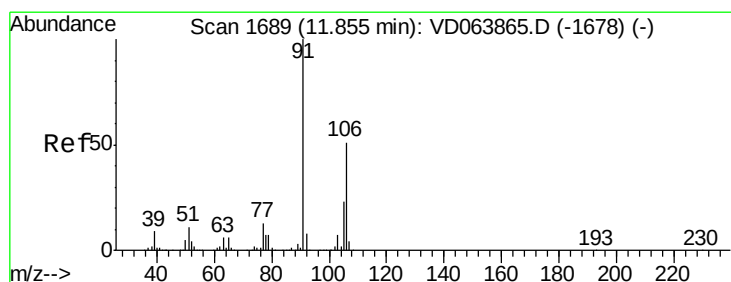
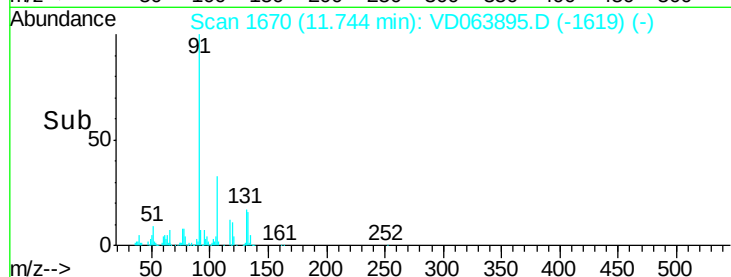
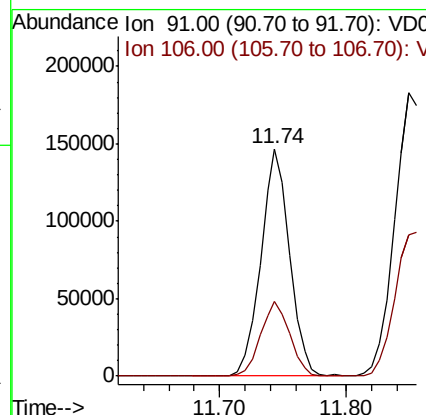
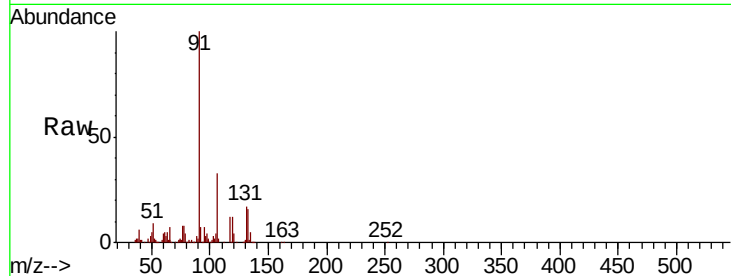
#67
Ethyl Benzene
Concen: 19.808 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.8	24.6	37.0

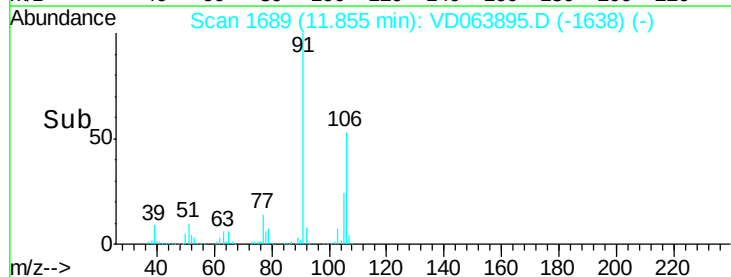
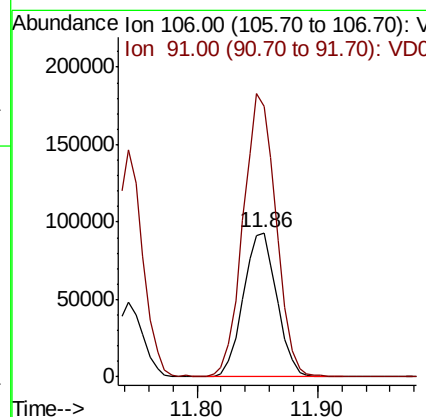
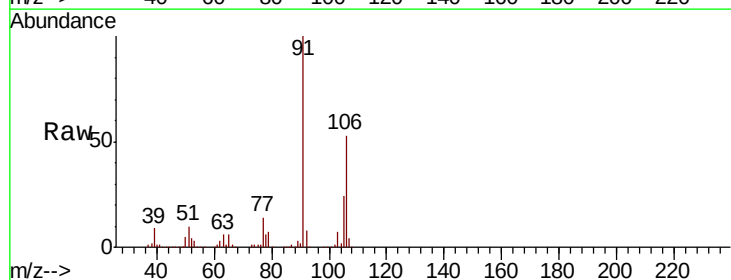
Manual Integrations
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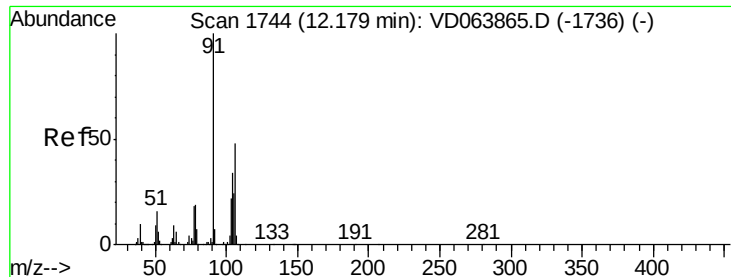
MMDadoda
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#68
m/p-Xylenes
Concen: 39.856 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
106	100		
91	193.0	154.8	232.2





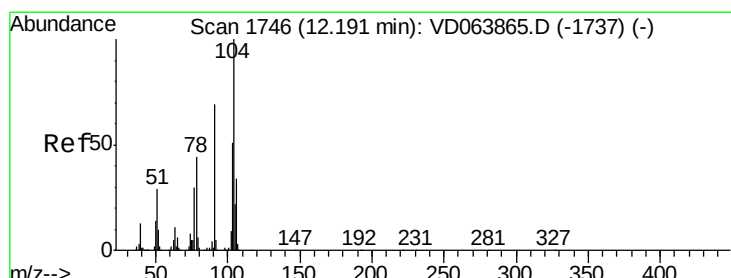
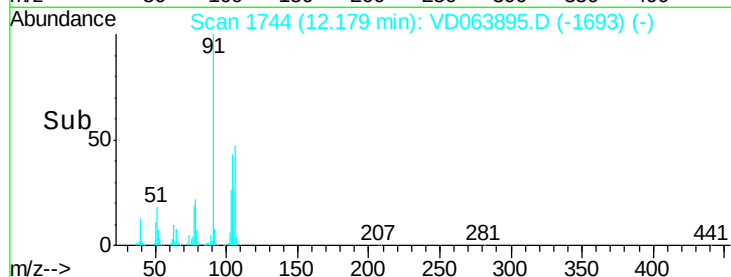
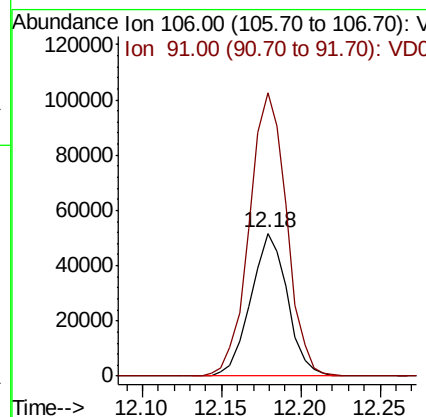
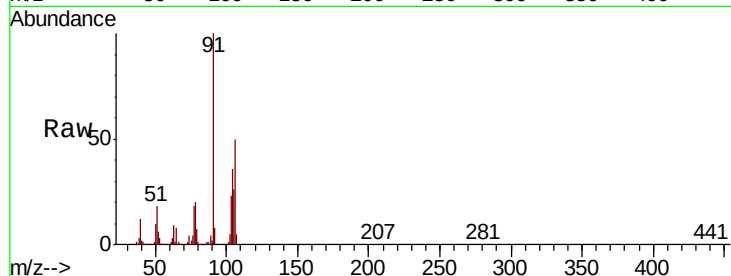
#69
o-Xylene
Concen: 19.237 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.3	103.9	311.7

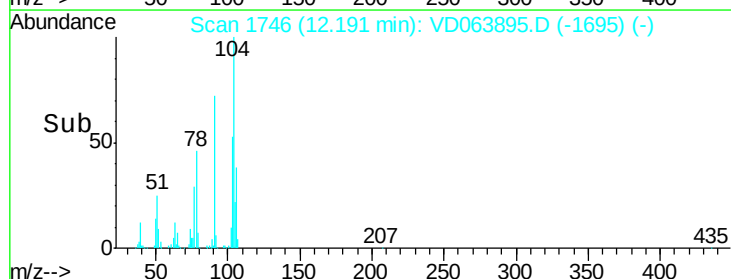
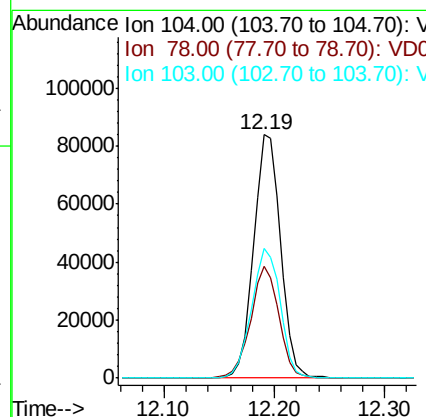
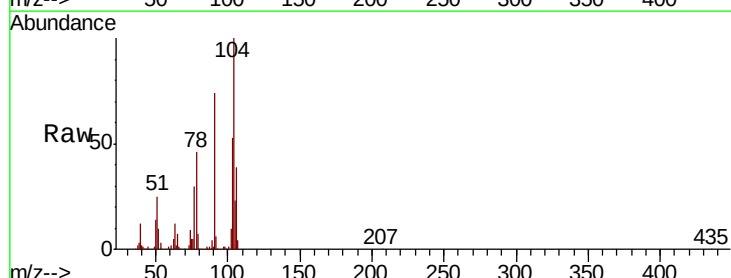
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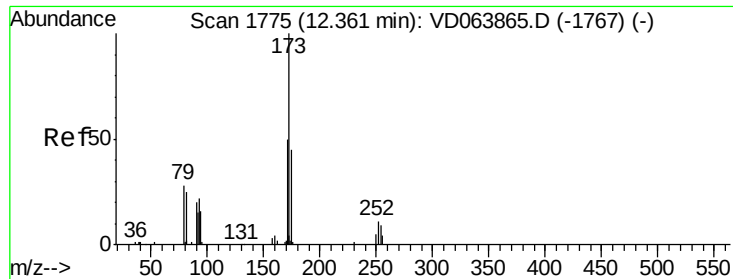
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10/10/2019 1:45:59 PM



#70
Styrene
Concen: 19.749 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	37.0	55.4
103	56.9	44.2	66.4





#71

Bromoform

Concen: 19.048 ug/l

RT: 12.36 min Scan# 1774

Delta R.T. -0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion:173 Resp: 24378

Ion Ratio Lower Upper

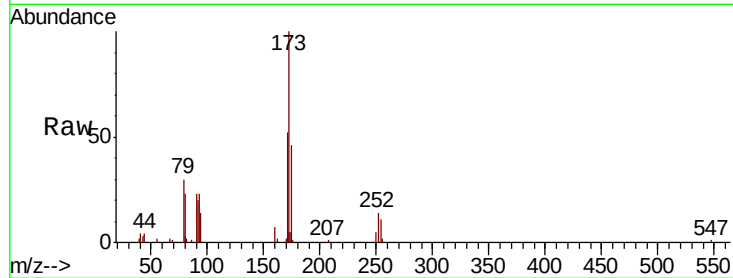
173 100

175 47.6 24.6 74.0

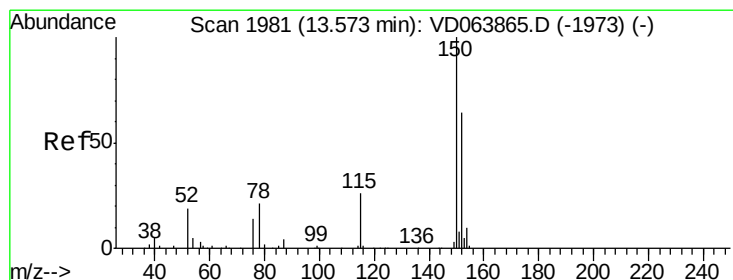
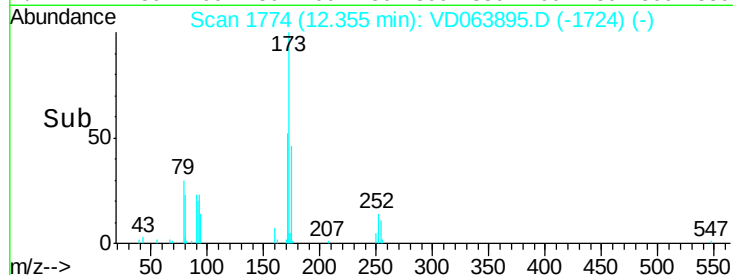
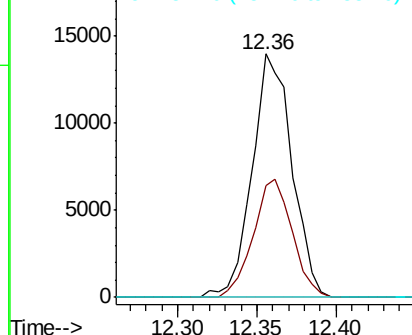
254 0.0 0.0 0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

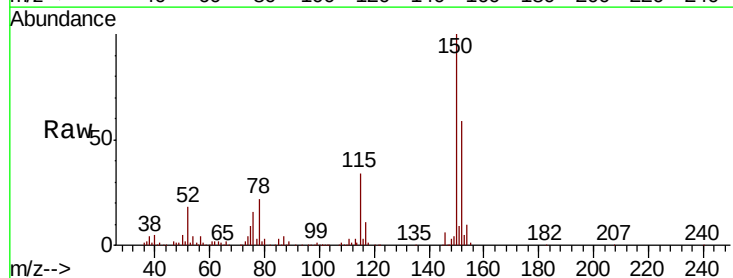
Tgt Ion:152 Resp: 169619

Ion Ratio Lower Upper

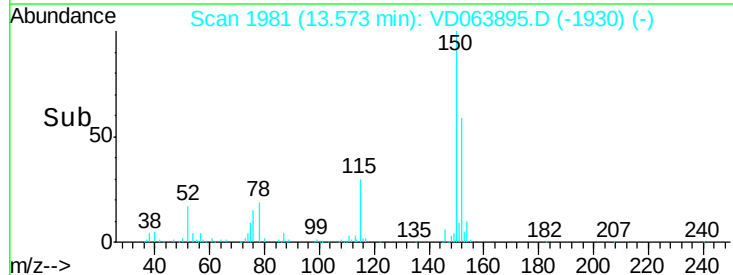
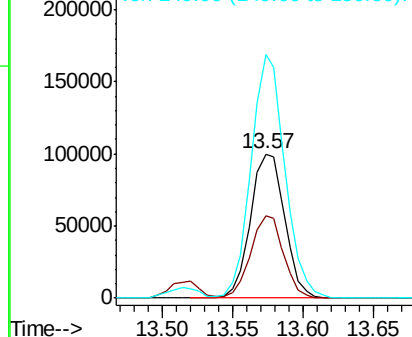
152 100

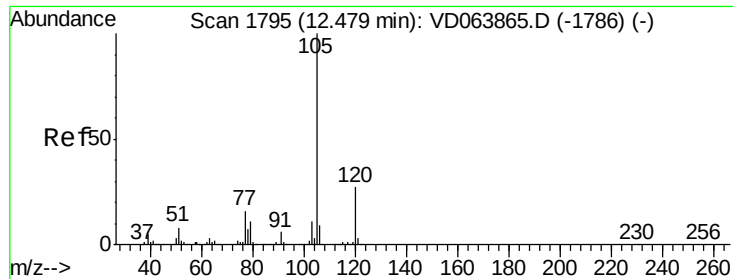
115 54.7 25.9 77.7

150 167.8 0.0 344.2



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





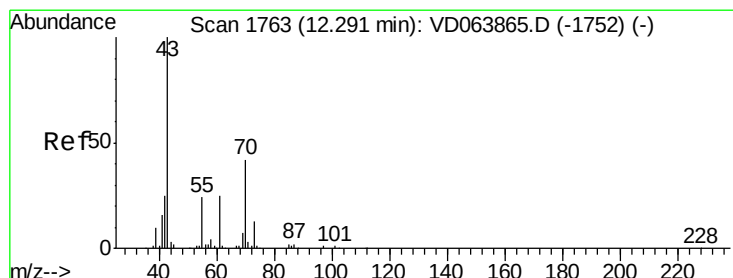
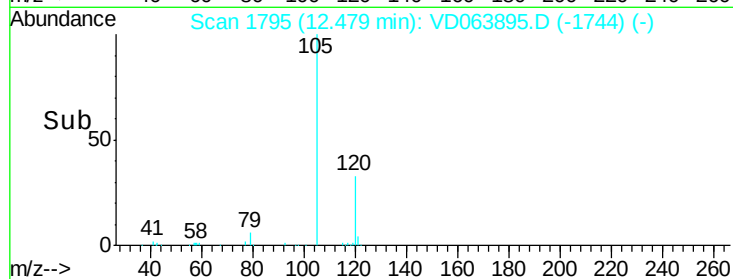
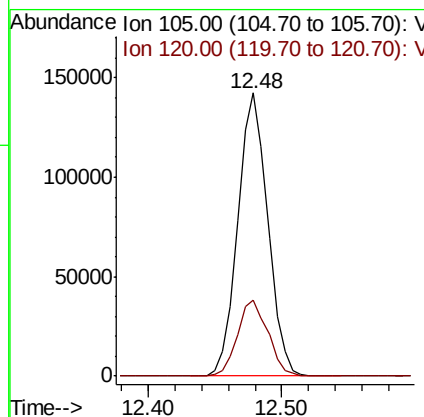
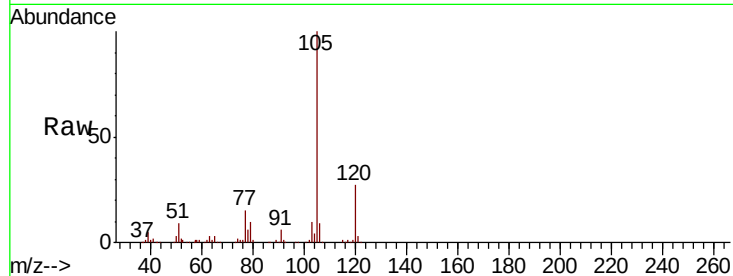
#73
Isopropylbenzene
Concen: 19.374 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.3	39.8

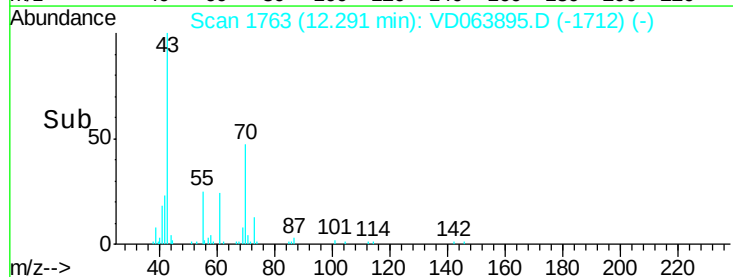
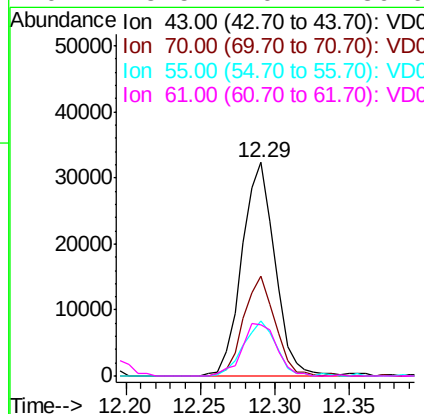
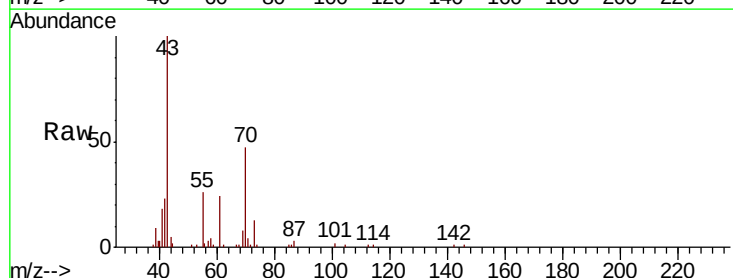
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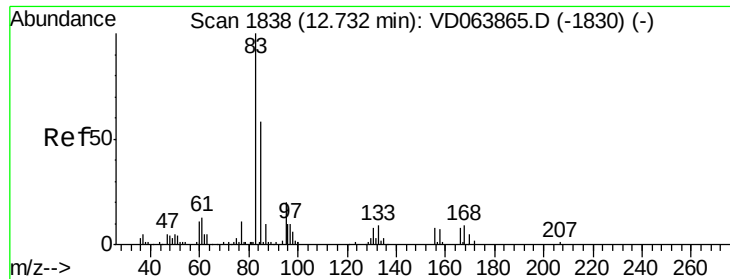
MMDadoda
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#74
N-ethyl acetate
Concen: 20.235 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.3	35.8	53.6
55	25.2	19.4	29.0
61	25.5	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.263 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 83 Resp: 40206

Ion Ratio Lower Upper

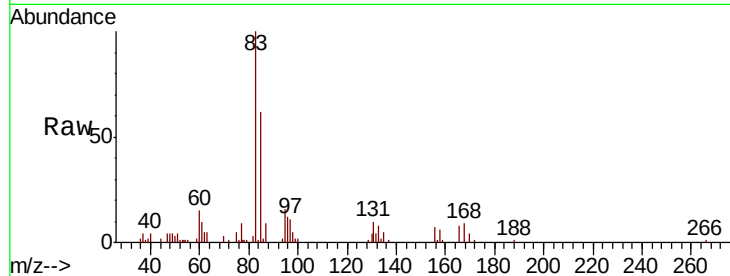
83 100

131 11.1 5.6 16.8

85 65.0 32.3 96.8

Manual Integrations
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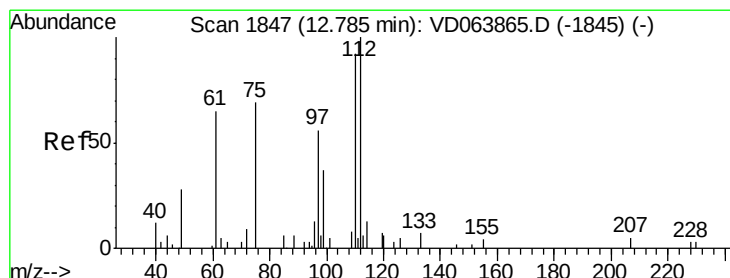
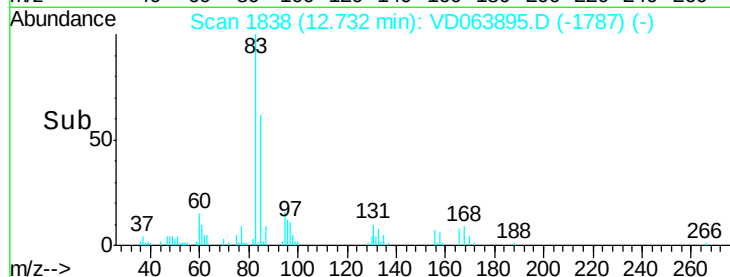
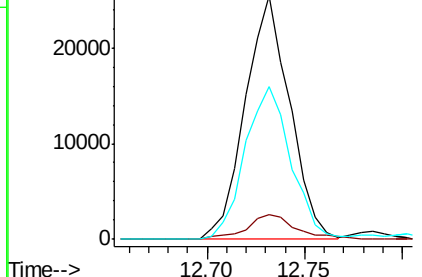
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 21.261 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063895.D

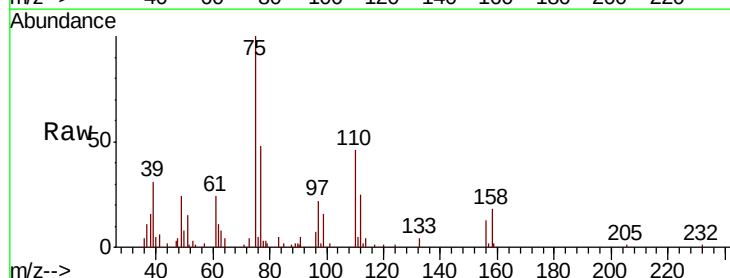
Acq: 07 Oct 2019 12:22

Tgt Ion: 75 Resp: 24154

Ion Ratio Lower Upper

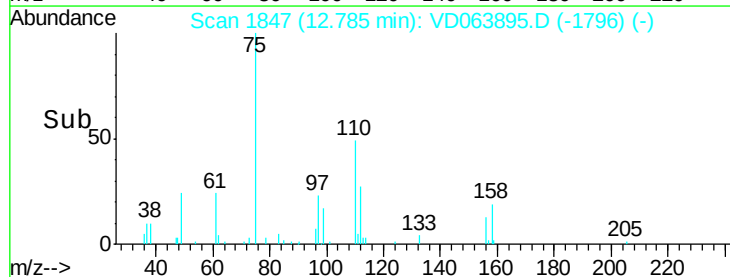
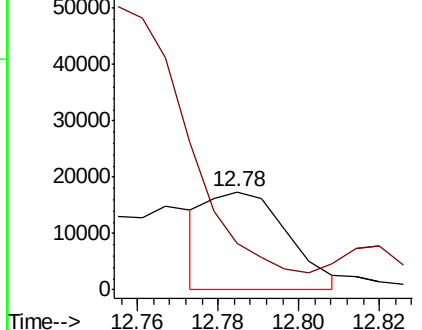
75 100

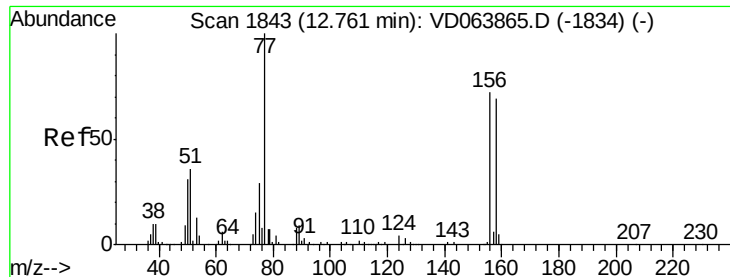
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.514 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion:156 Resp: 55437

Ion Ratio Lower Upper

156 100

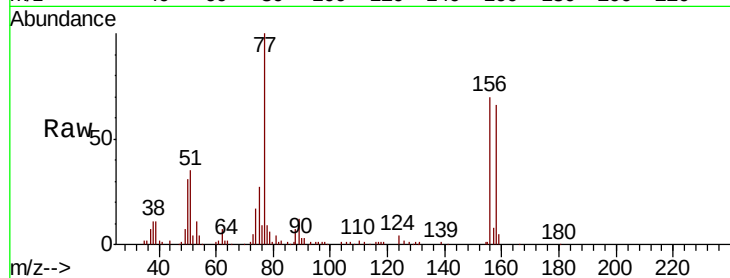
77 166.1 80.3 241.0

158 96.2 47.4 142.2

Manual Integrations
APPROVED

MMDadoda

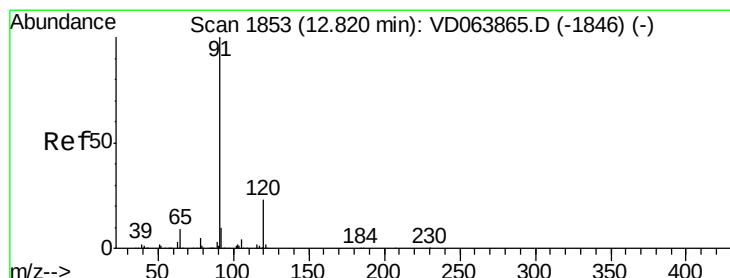
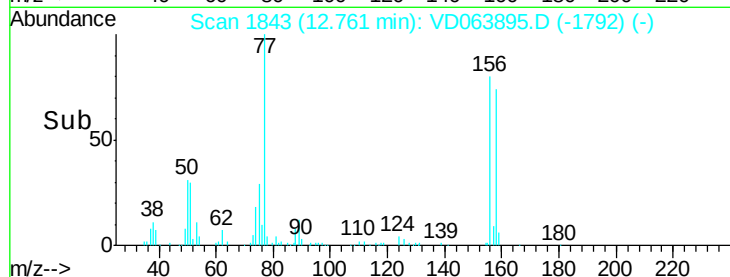
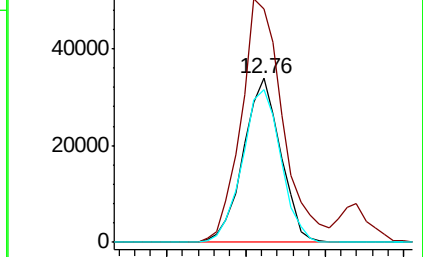
10/10/2019 1:45:59 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.410 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063895.D

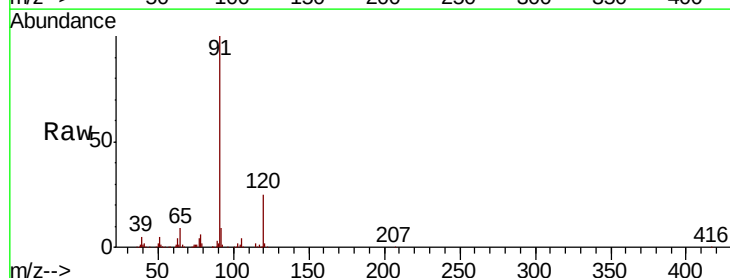
Acq: 07 Oct 2019 12:22

Tgt Ion: 91 Resp: 273174

Ion Ratio Lower Upper

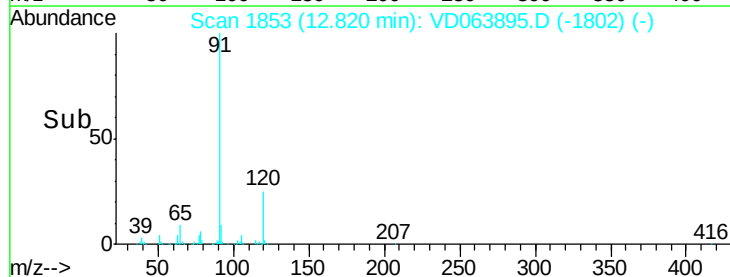
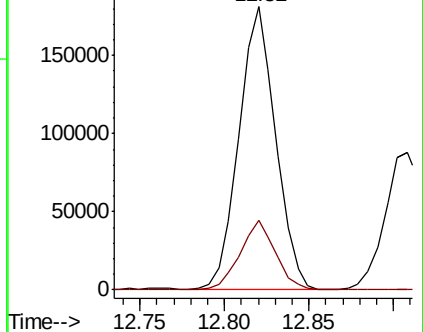
91 100

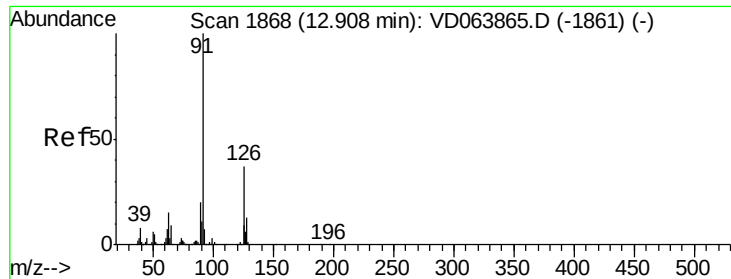
120 23.9 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.883 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion: 91 Resp: 146741

Ion Ratio Lower Upper

91 100

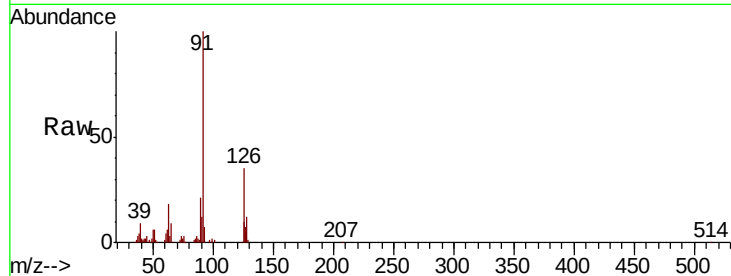
126 35.9 18.4 55.2

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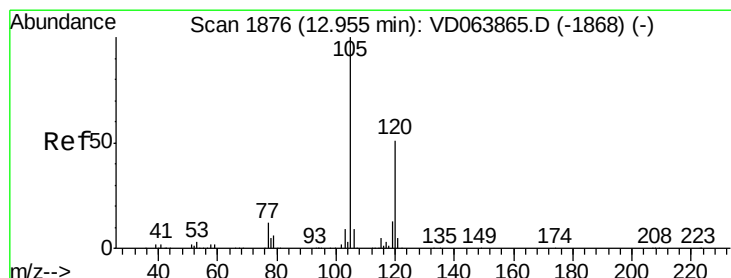
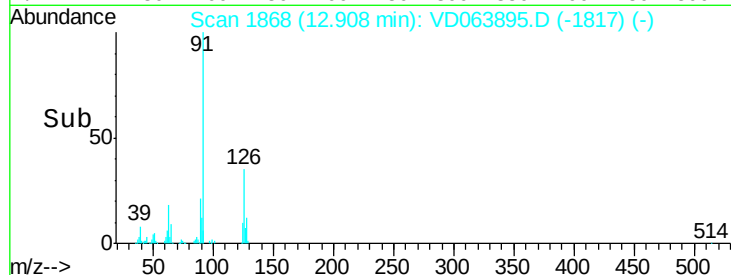


Abundance Ion 91.00 (90.70 to 91.70): VD063865.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD063865.D (-1861) (-)

12.91

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.139 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD063895.D

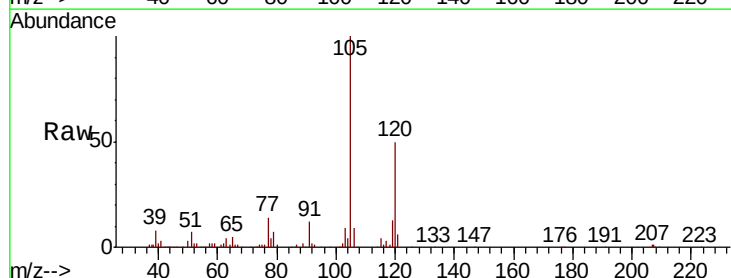
Acq: 07 Oct 2019 12:22

Tgt Ion:105 Resp: 191578

Ion Ratio Lower Upper

105 100

120 50.5 25.9 77.8

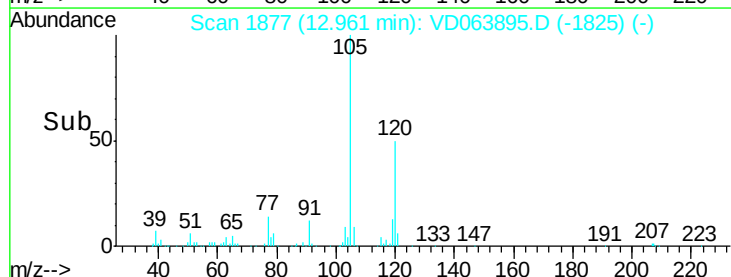


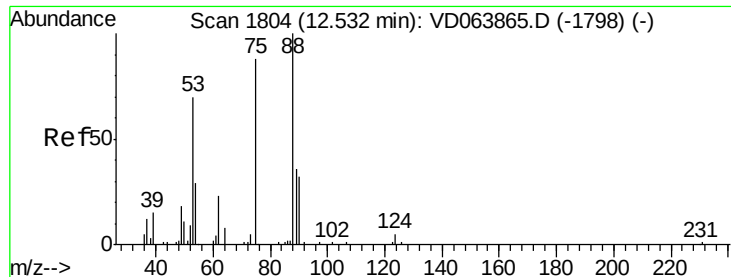
Abundance Ion 105.00 (104.70 to 105.70): VD063865.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD063865.D (-1868) (-)

12.96

Time-->





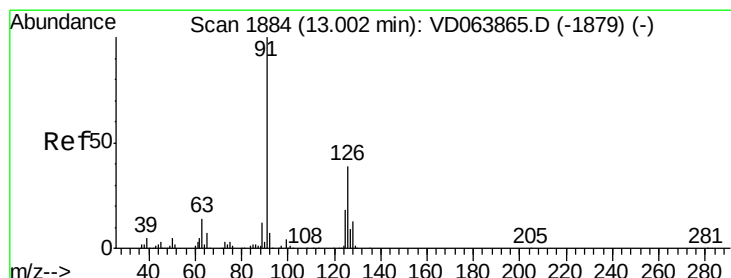
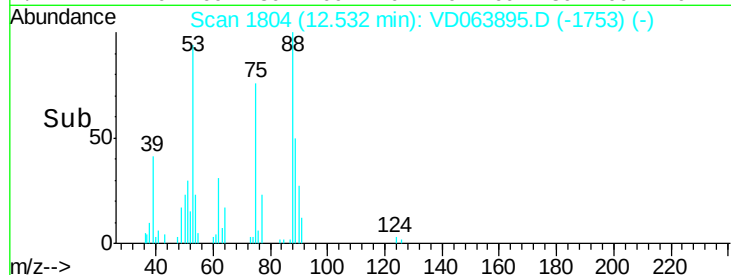
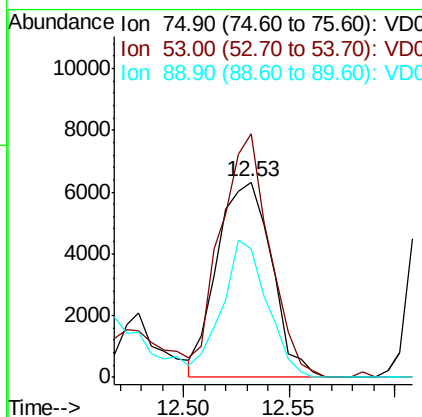
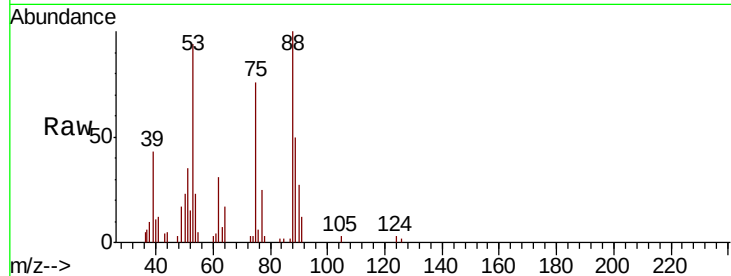
#81
trans-1,4-Dichloro-2-butene
Concen: 17.644 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	112.1	75.0	112.6
89	57.9	38.2	57.4

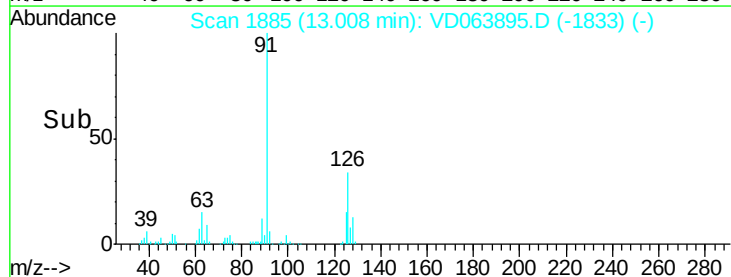
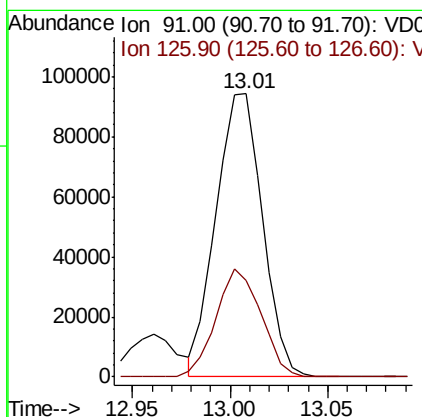
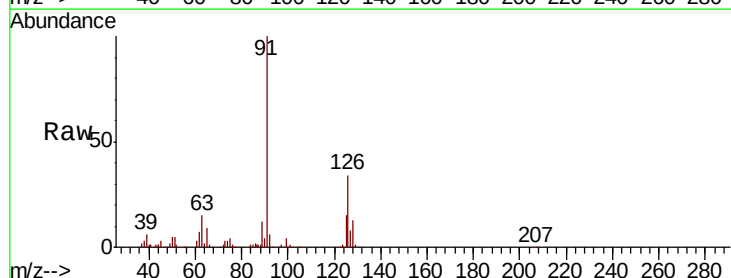
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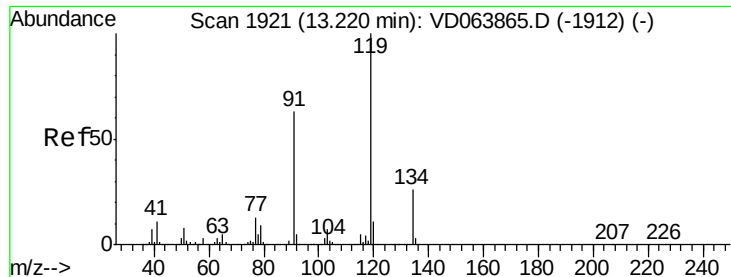
MMDadoda
10/10/2019 1:45:59 PM



#82
4-Chlorotoluene
Concen: 19.947 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.2	18.6	55.8





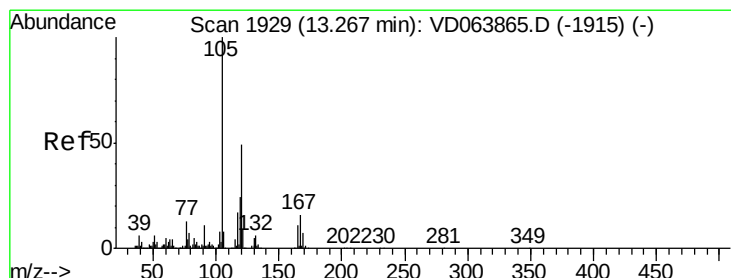
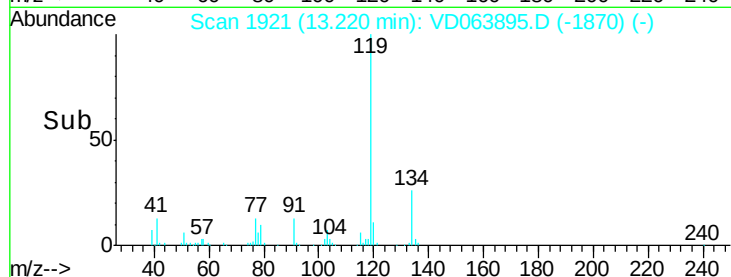
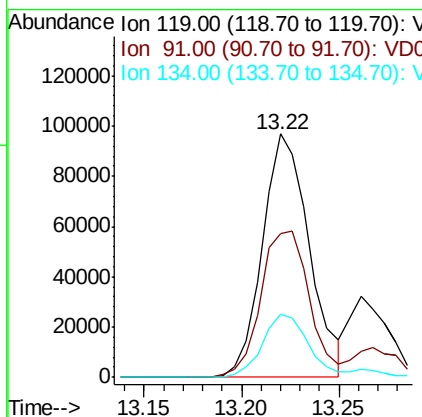
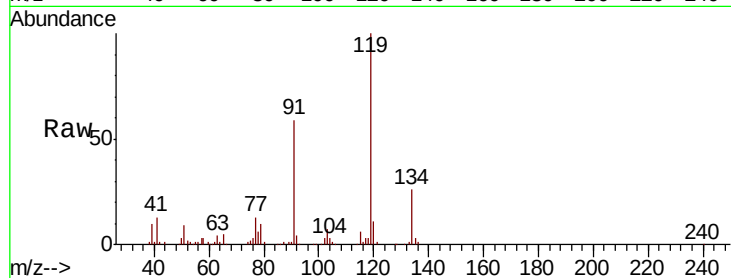
#83
 tert-Butylbenzene
 Concen: 19.013 ug/l
 RT: 13.22 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.2	30.0	90.0
134	25.6	13.0	38.9

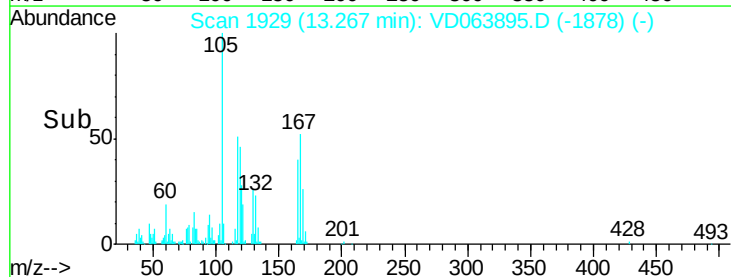
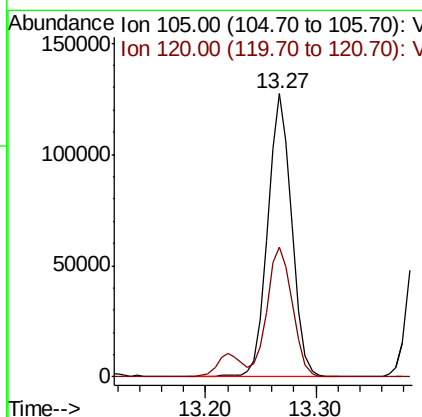
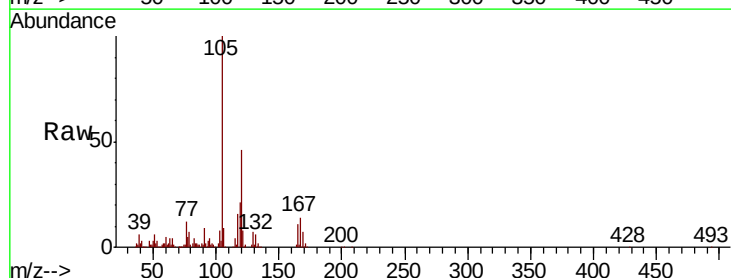
Manual Integrations
 APPROVED

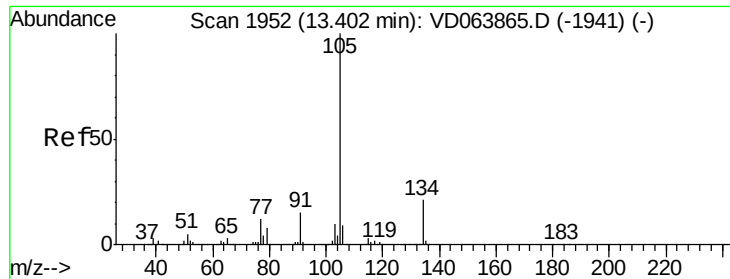
MMDadoda
 10/10/2019 1:45:59 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.718 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.8	71.5





#85

sec-Butylbenzene

Concen: 20.247 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1007SBS01

Tot Ion:105 Resp: 231491

Ion Ratio Lower Upper

105 100

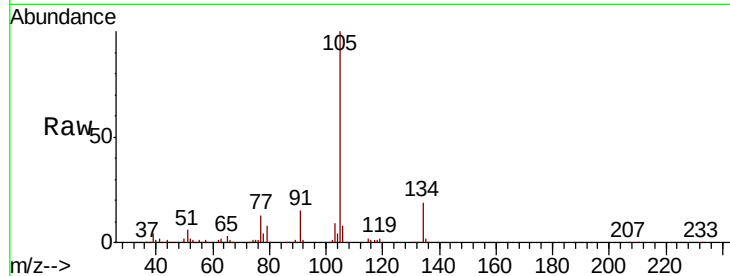
134 19.8 10.6 31.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.40

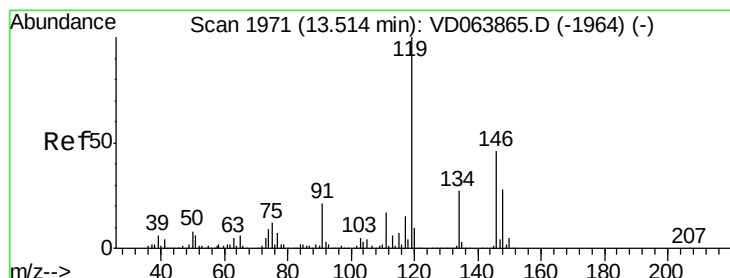
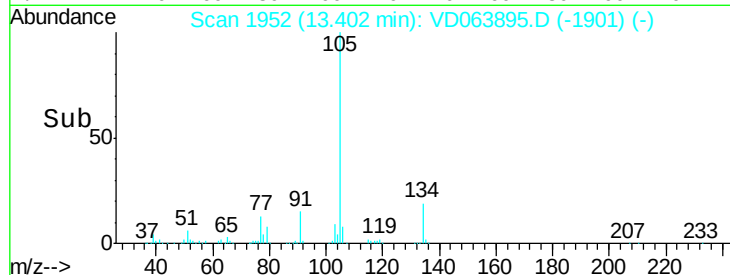
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.117 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

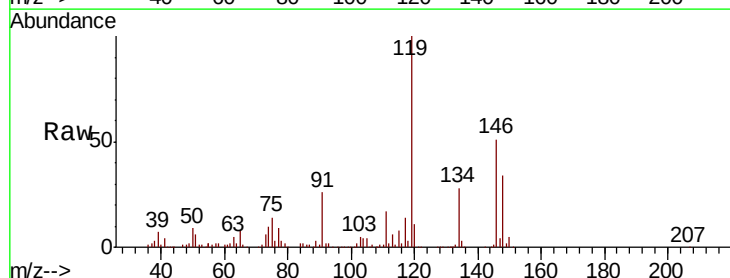
Tgt Ion:119 Resp: 217647

Ion Ratio Lower Upper

119 100

134 25.8 13.9 41.6

91 22.4 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

13.51

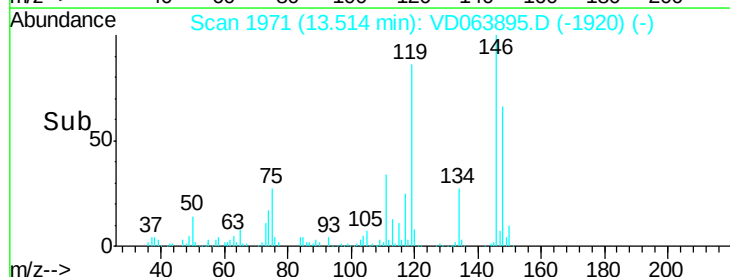
150000

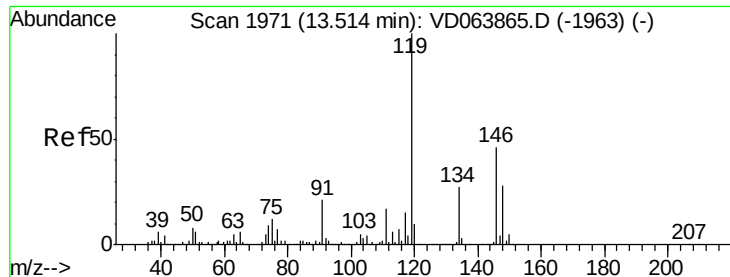
100000

50000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 18.962 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063895.D

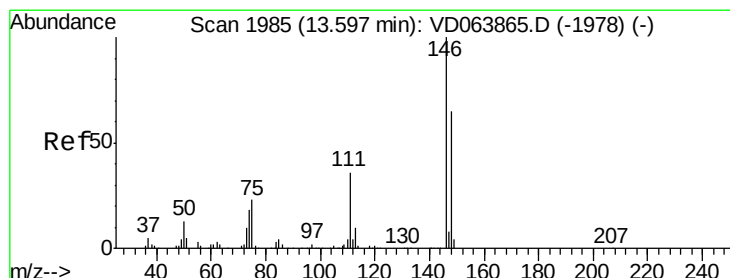
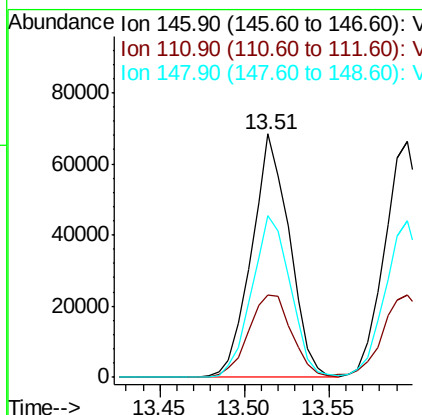
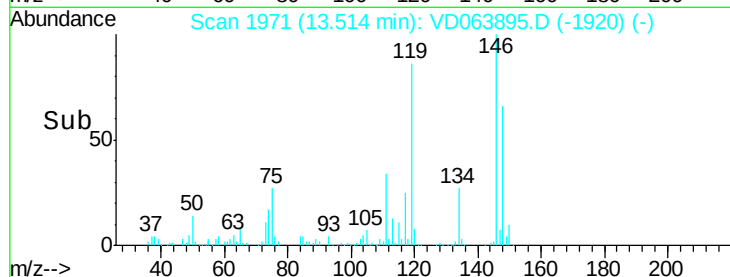
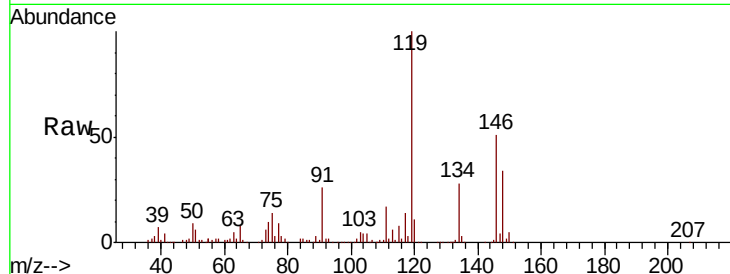
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	106440		
111	38.7	18.3	54.9	
148	68.1	31.8	95.4	

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10/10/2019 1:45:59 PM



#88

1,4-Dichlorobenzene

Concen: 19.927 ug/l

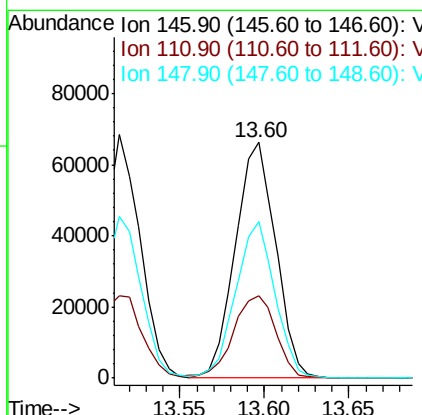
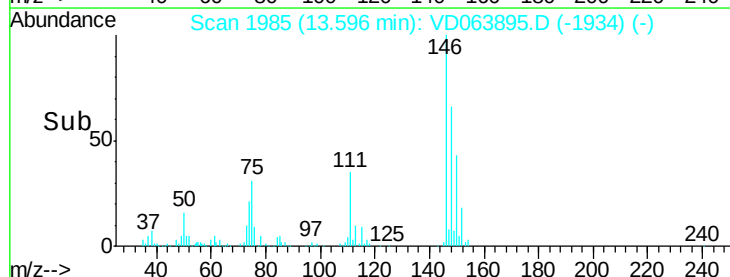
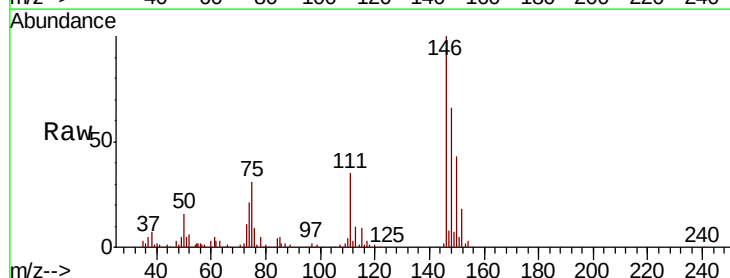
RT: 13.60 min Scan# 1985

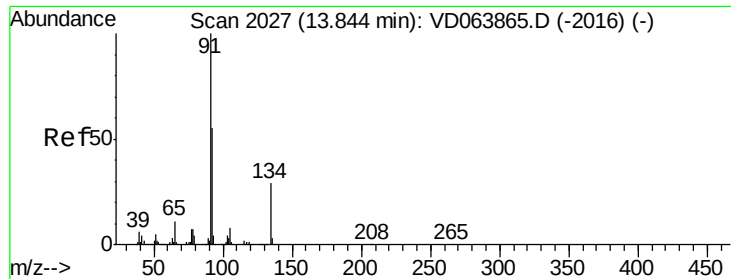
Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	110353		
111	37.3	18.6	56.0	
148	64.6	32.6	98.0	





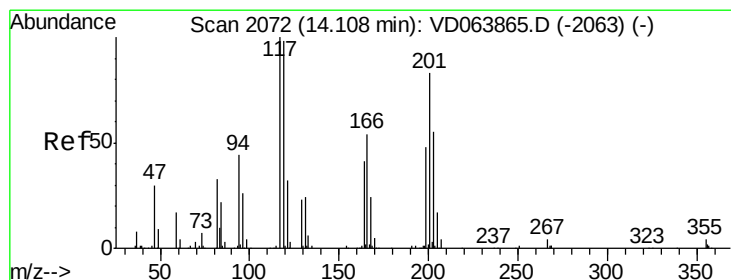
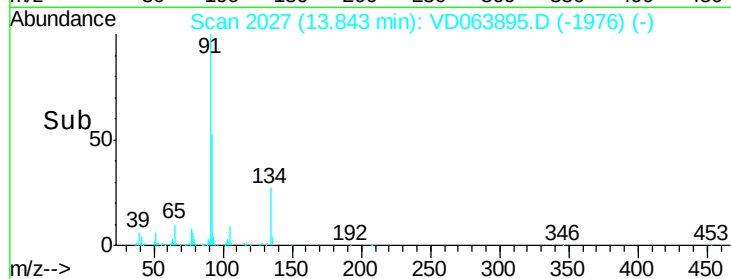
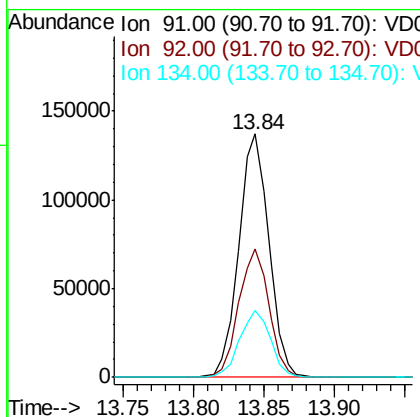
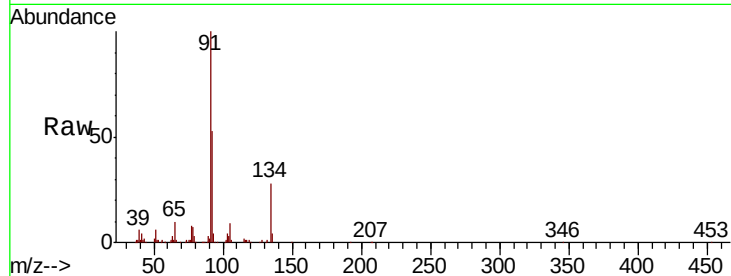
#89
n-Butylbenzene
Concen: 20.346 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.8	80.3
134	28.0	14.4	43.0

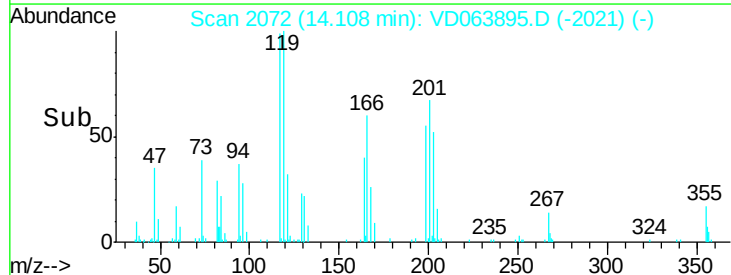
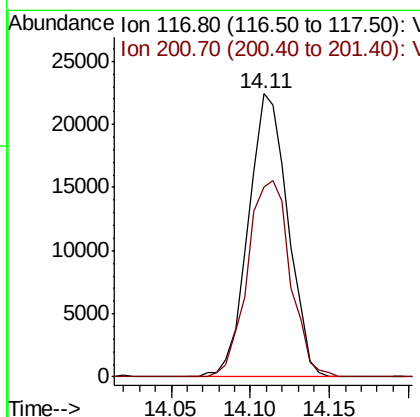
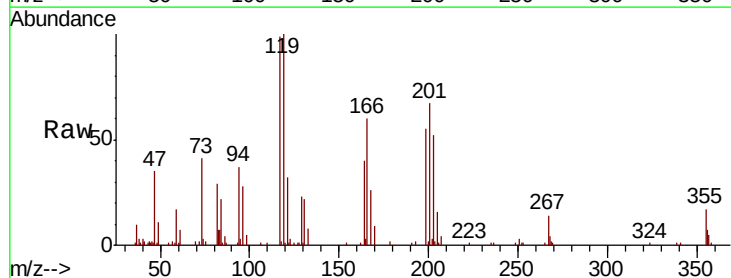
Manual Integrations
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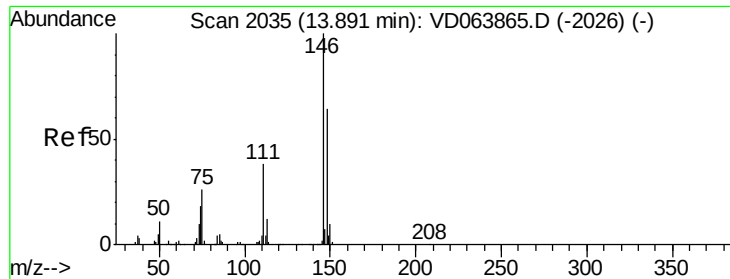
MMDadoda
10/10/2019 1:45:59 PM



#90
Hexachloroethane
Concen: 20.014 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.0	40.6	121.7





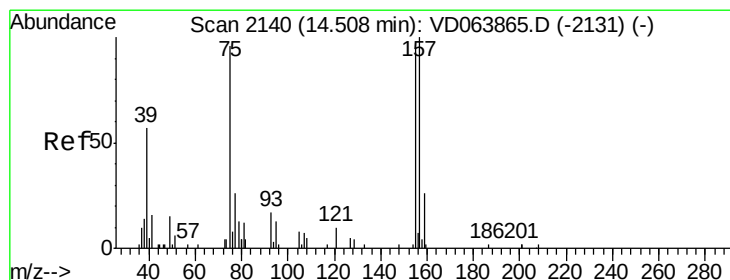
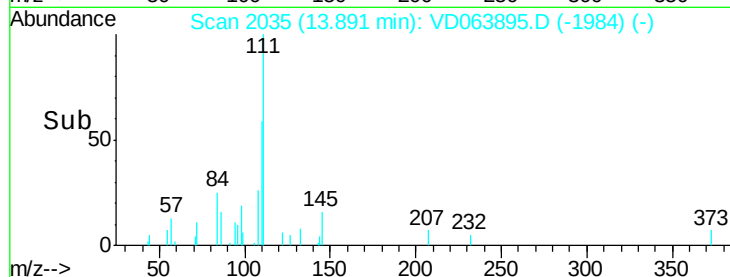
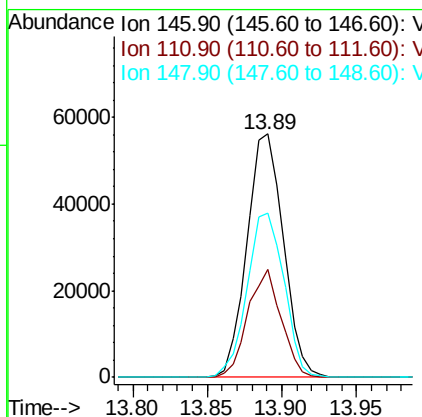
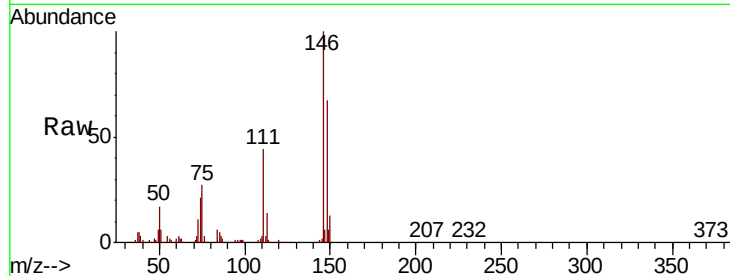
#91
 1,2-Dichlorobenzene
 Concen: 19.579 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1007SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	18.6	55.6
148	68.2	31.6	95.0

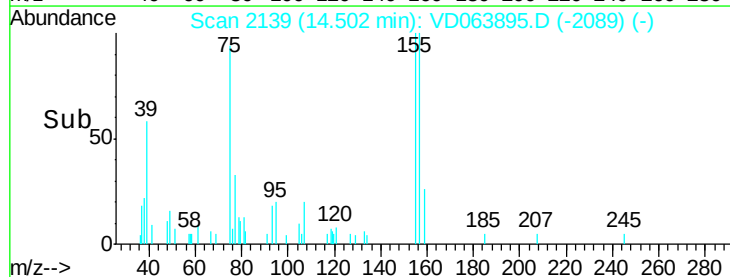
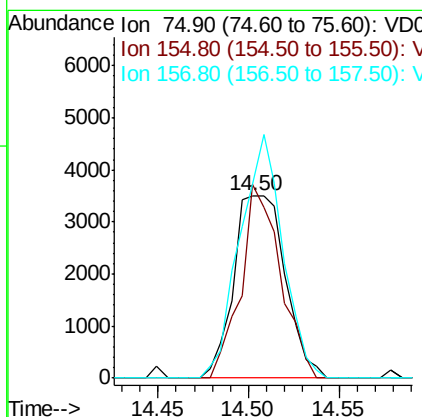
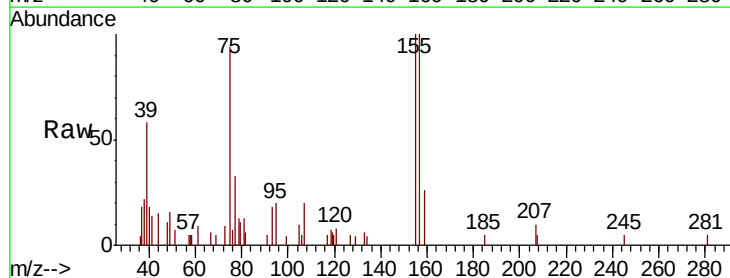
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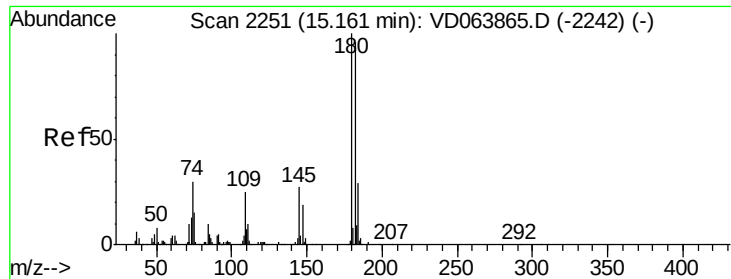
MMDadoda
 10/10/2019 1:45:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.094 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD063895.D
 Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.3	43.9	131.6
157	110.9	56.0	167.9





#93

1,2,4-Trichlorobenzene

Concen: 18.915 ug/l

RT: 15.16 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Instrument :

MSVOA_D

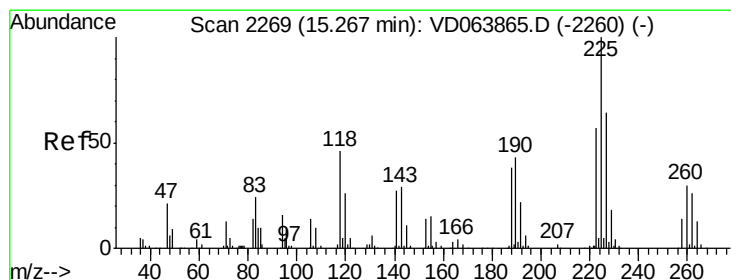
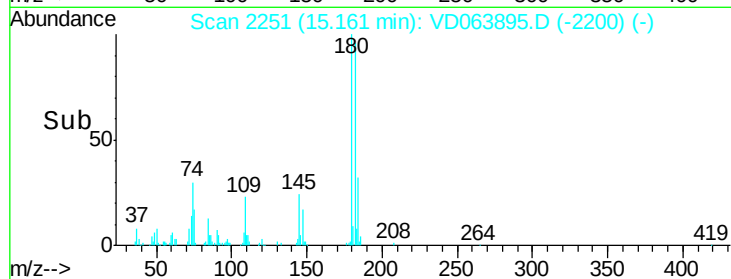
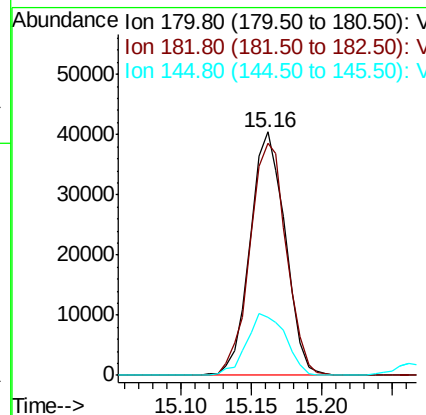
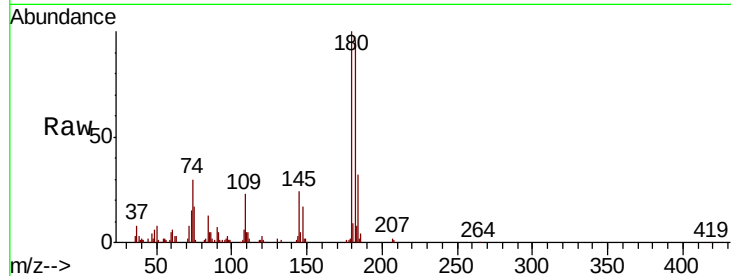
ClientSampleId :

VD1007SBS01

Tot Ion:	180	Resp:	70602
Ion Ratio	Lower	Upper	
180	100		
182	99.3	47.4	142.3
145	28.0	13.9	41.7

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#94

Hexachlorobutadiene

Concen: 18.588 ug/l

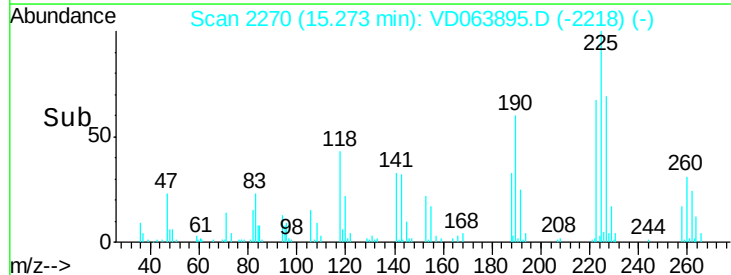
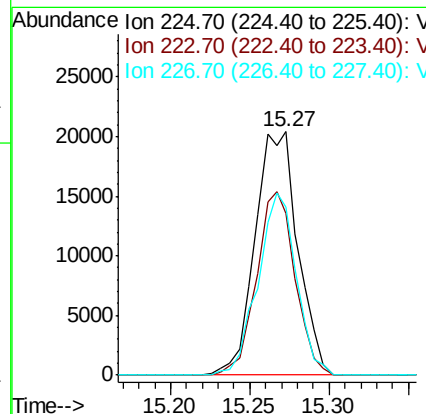
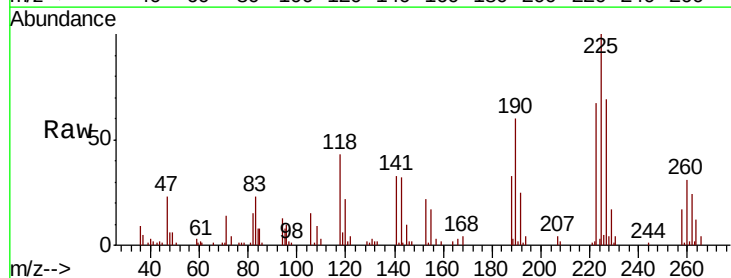
RT: 15.27 min Scan# 2270

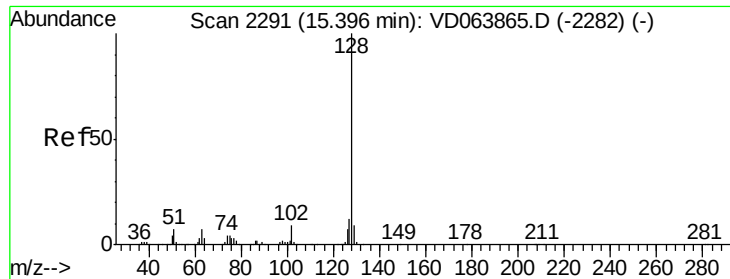
Delta R.T. 0.01 min

Lab File: VD063895.D

Acq: 07 Oct 2019 12:22

Tgt Ion:	225	Resp:	38286
Ion Ratio	Lower	Upper	
225	100		
223	67.8	29.5	88.6
227	67.3	30.8	92.4





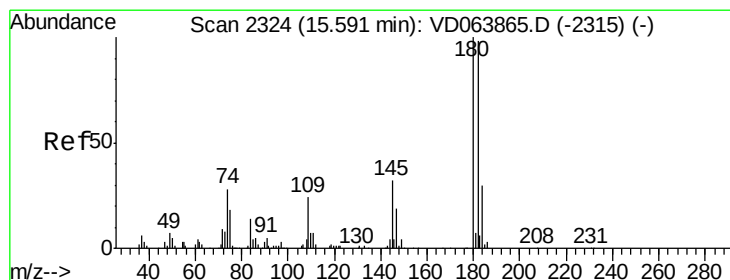
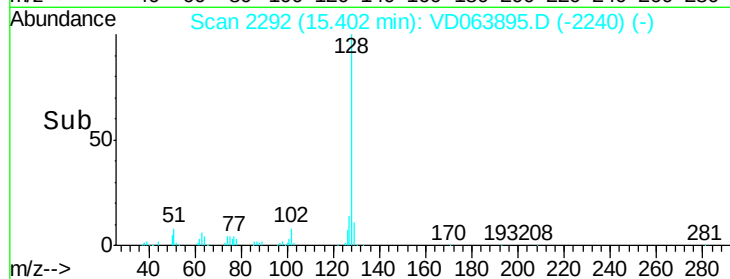
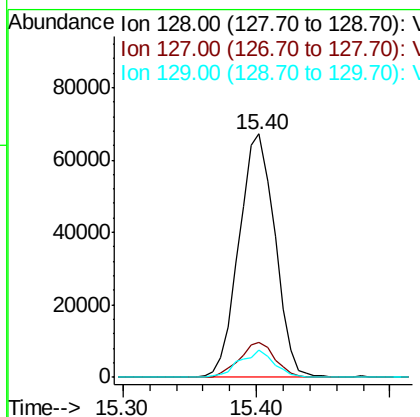
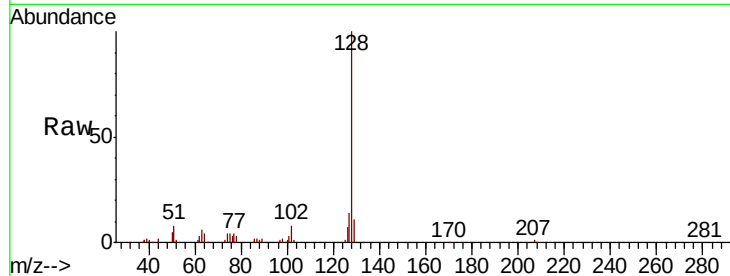
#95
Naphthalene
Concen: 19.979 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1007SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	125338		
127	13.8		10.6	16.0
129	10.7		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:45:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.582 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063895.D
Acq: 07 Oct 2019 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	59841		
182	101.2		47.0	141.0
145	33.9		15.3	45.9

