

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063965.D
 Acq On : 15 Oct 2019 12:03
 Operator : VA/SY
 Sample : VD1015SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Manual Integrations
 APPROVED

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

Quant Time: Oct 16 02:25:45 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	188672	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	292052	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	285053	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	152575	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	88435	48.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.28%	
35) Dibromofluoromethane	7.91	113	91862	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
50) Toluene-d8	10.34	98	386992	53.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.84%	
62) 4-Bromofluorobenzene	12.63	95	125560	49.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.76%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	26674	19.936	ug/l 96
3) Chloromethane	2.21	50	85441	21.109	ug/l 95
4) Vinyl Chloride	2.35	62	98270	22.724	ug/l 96
5) Bromomethane	2.76	94	56687	20.390	ug/l 95
6) Chloroethane	2.92	64	62597	21.888	ug/l # 88
7) Trichlorofluoromethane	3.27	101	135639	23.723	ug/l 98
8) Diethyl Ether	3.71	74	19537	21.289	ug/l 100
9) 1,1,2-Trichlorotrifluoroet	4.08	101	33264	21.017	ug/l 95
10) Methyl Iodide	4.29	142	38513	17.660	ug/l 100
11) Tert butyl alcohol	5.23	59	11826m	87.458	ug/l
12) 1,1-Dichloroethene	4.06	96	32008	20.242	ug/l 95
13) Acrolein	3.92	56	10883	66.336	ug/l 94
14) Allyl chloride	4.71	41	51103	19.439	ug/l 98
15) Acrylonitrile	5.43	53	42208	104.318	ug/l 97
16) Acetone	4.16	43	40399	84.475	ug/l 100
17) Carbon Disulfide	4.40	76	105308	18.321	ug/l # 94
18) Methyl Acetate	4.73	43	19471	20.816	ug/l # 78
19) Methyl tert-butyl Ether	5.48	73	74274	18.140	ug/l 98
20) Methylene Chloride	4.97	84	46110	19.919	ug/l # 87
21) trans-1,2-Dichloroethene	5.47	96	39749	20.193	ug/l 94
22) Diisopropyl ether	6.37	45	108807	20.266	ug/l # 95
23) Vinyl Acetate	6.31	43	308576	96.612	ug/l 98
24) 1,1-Dichloroethane	6.27	63	67753	20.487	ug/l # 93
25) 2-Butanone	7.23	43	53677	94.708	ug/l 93
26) 2,2-Dichloropropane	7.20	77	61392	20.522	ug/l 78
27) cis-1,2-Dichloroethene	7.21	96	43729	19.627	ug/l 98
28) Bromochloromethane	7.56	49	20581	17.623	ug/l 95
29) Tetrahydrofuran	7.57	42	31114	94.055	ug/l 97
30) Chloroform	7.71	83	74241	20.669	ug/l 91
31) Cyclohexane	7.98	56	65483	21.689	ug/l 99
32) 1,1,1-Trichloroethane	7.91	97	65691	21.320	ug/l 100
36) 1,1-Dichloropropene	8.12	75	59339	22.222	ug/l 99
37) Ethyl Acetate	7.30	43	20895	16.872	ug/l # 96
38) Carbon Tetrachloride	8.10	117	58651	21.735	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	73083	22.259	ug/l	91
40) Benzene	8.35	78	168594	22.032	ug/l	97
41) Methacrylonitrile	7.52	41	11942	19.289	ug/l	93
42) 1,2-Dichloroethane	8.43	62	44969	20.315	ug/l	98
43) Isopropyl Acetate	8.46	43	42041	18.773	ug/l	97
44) Trichloroethene	9.11	130	48337	21.905	ug/l	96
45) 1,2-Dichloropropane	9.39	63	39376	21.023	ug/l	97
46) Dibromomethane	9.48	93	22025	20.648	ug/l	97
47) Bromodichloromethane	9.66	83	53611	19.521	ug/l #	98
48) Methyl methacrylate	9.46	41	19872	18.520	ug/l	97
49) 1,4-Dioxane	9.47	88	6502	446.552	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	114254	98.375	ug/l	99
52) Toluene	10.40	92	110708	21.075	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	53470	19.952	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	59410	19.258	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	31038	20.608	ug/l	94
56) Ethyl methacrylate	10.67	69	36547	19.162	ug/l	97
57) 1,3-Dichloropropane	10.95	76	51764	20.087	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	78377	95.601	ug/l	98
59) 2-Hexanone	10.99	43	82408	98.090	ug/l	98
60) Dibromochloromethane	11.14	129	39571	20.181	ug/l	99
61) 1,2-Dibromoethane	11.25	107	30288	20.743	ug/l	97
64) Tetrachloroethene	10.88	164	41481	21.316	ug/l	93
65) Chlorobenzene	11.67	112	123877	21.639	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	43015	20.392	ug/l	95
67) Ethyl Benzene	11.75	91	219461	21.260	ug/l	96
68) m/p-Xylenes	11.85	106	175339	44.007	ug/l	99
69) o-Xylene	12.18	106	81512	21.365	ug/l	95
70) Styrene	12.20	104	137460	21.284	ug/l	97
71) Bromoform	12.36	173	23797	21.021	ug/l #	93
73) Isopropylbenzene	12.48	105	220413	21.489	ug/l	100
74) N-amyl acetate	12.29	43	42234	19.125	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	35393	19.830	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	24002m	23.488	ug/l	
77) Bromobenzene	12.76	156	51646	20.210	ug/l	97
78) n-propylbenzene	12.82	91	269168	22.357	ug/l	98
79) 2-Chlorotoluene	12.91	91	141927	21.379	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	179644	20.994	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	10779	18.666	ug/l	92
82) 4-Chlorotoluene	13.01	91	146455	20.797	ug/l	98
83) tert-Butylbenzene	13.23	119	157237	20.647	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	185485	21.026	ug/l	98
85) sec-Butylbenzene	13.40	105	233354	22.690	ug/l	98
86) p-Isopropyltoluene	13.52	119	213497	21.938	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	103328	20.464	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	105378	21.155	ug/l	99
89) n-Butylbenzene	13.85	91	199406	22.012	ug/l	98
90) Hexachloroethane	14.11	117	37804	21.598	ug/l	91
91) 1,2-Dichlorobenzene	13.89	146	89460	20.559	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.50	75	5663	18.892	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	64610	19.243	ug/l	97
94) Hexachlorobutadiene	15.27	225	39048	21.075	ug/l	98
95) Naphthalene	15.40	128	112425	19.922	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	54278	18.737	ug/l	98

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

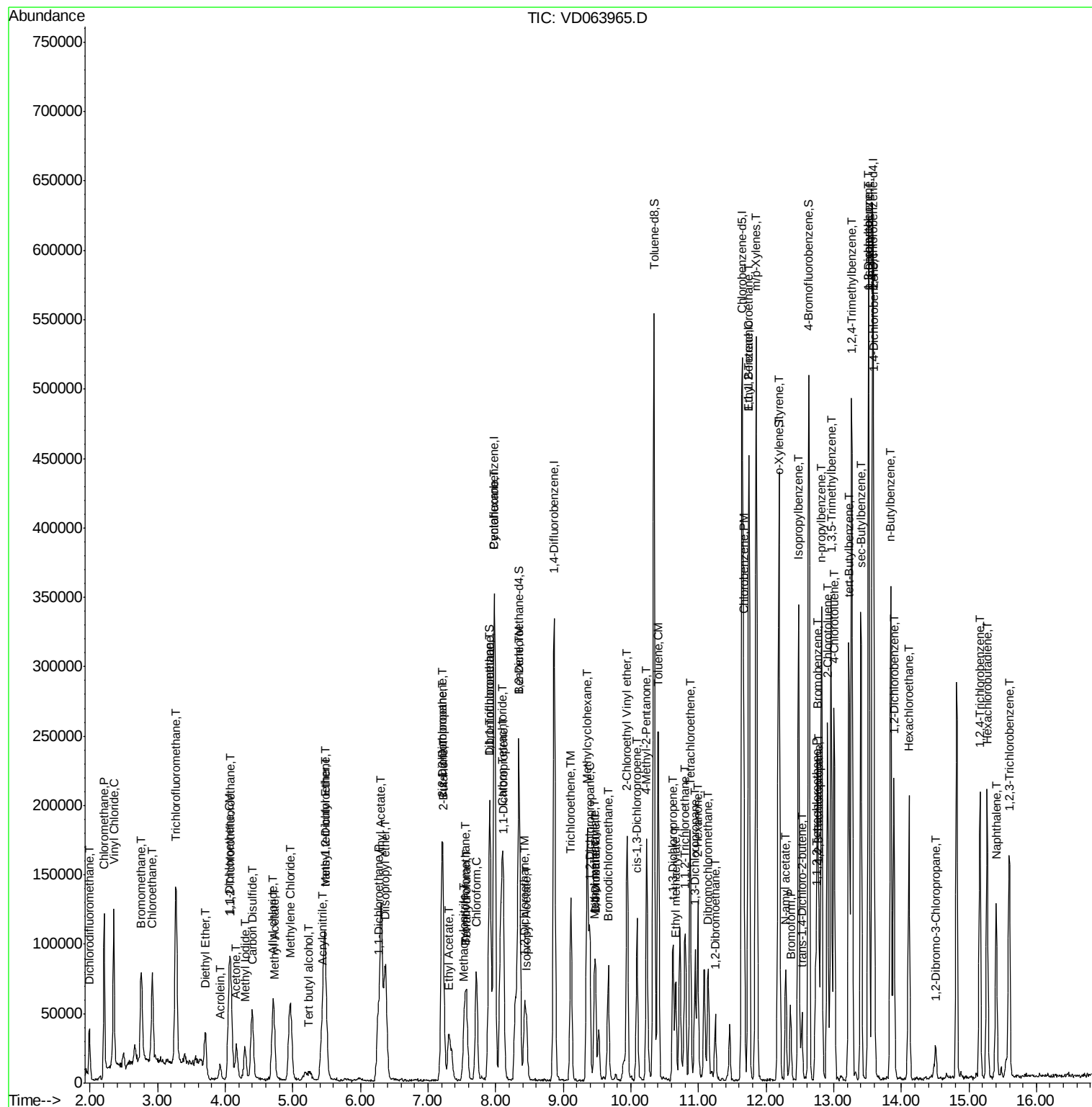
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Operator : VA/SY
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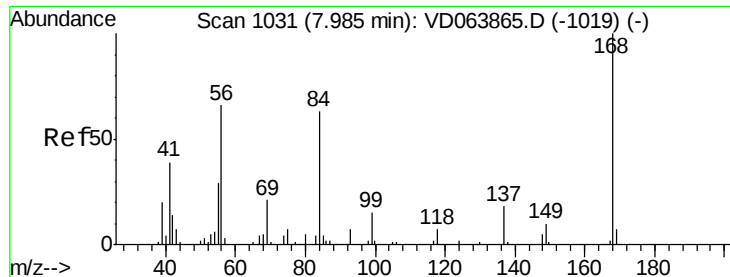
Instrument :
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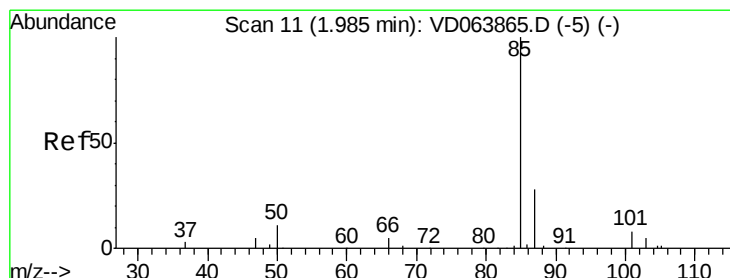
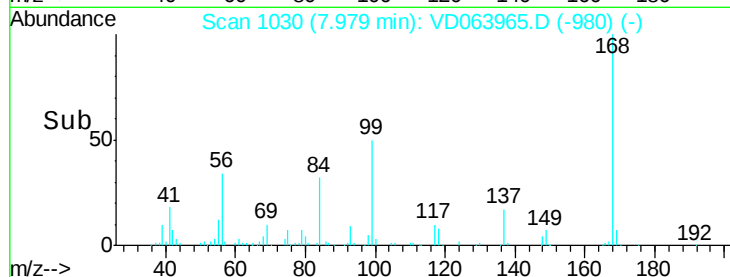
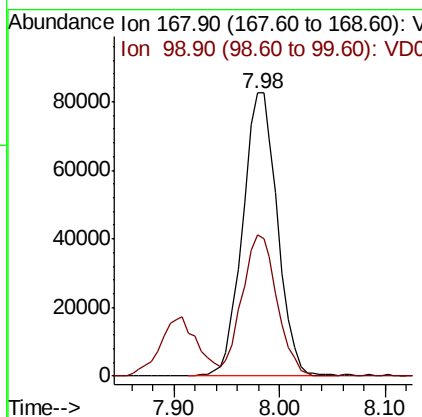
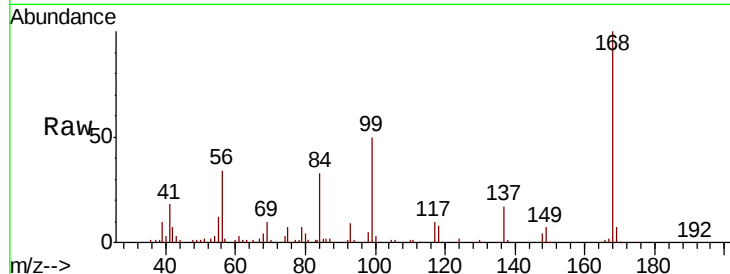
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.5	43.0	64.4

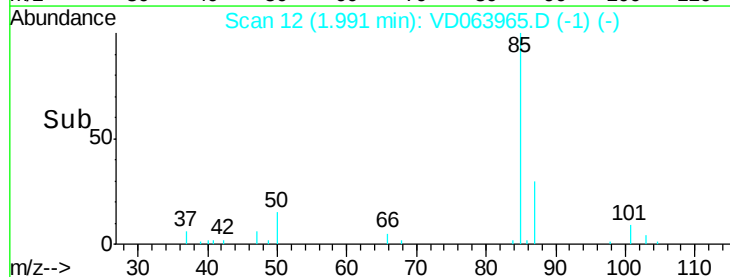
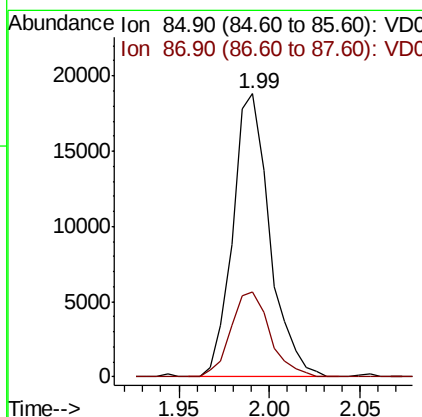
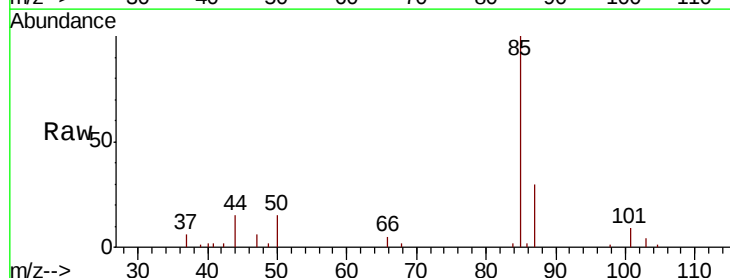
Manual Integrations
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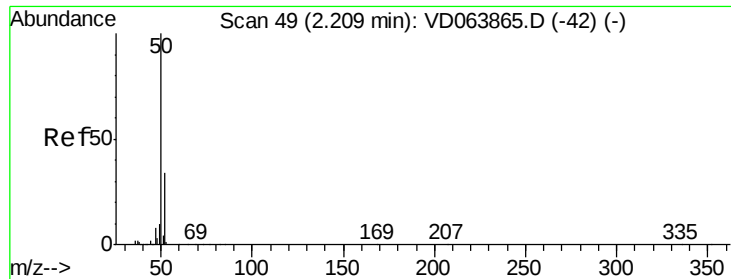
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#2
Dichlorodifluoromethane
Concen: 19.936 ug/l
RT: 1.99 min Scan# 12
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
85	100		
87	30.2	14.0	42.0





#3

Chloromethane

Concen: 21.109 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 50 Resp: 85441

Ion Ratio Lower Upper

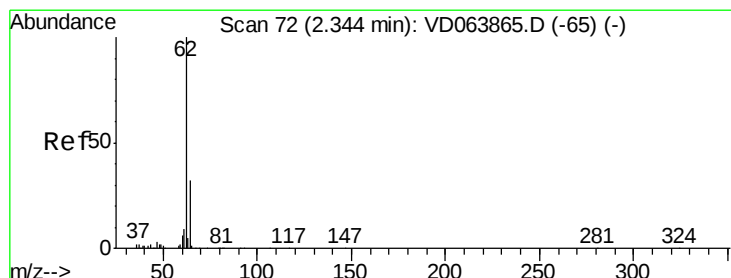
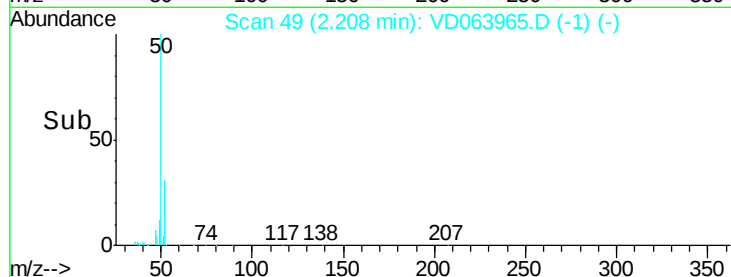
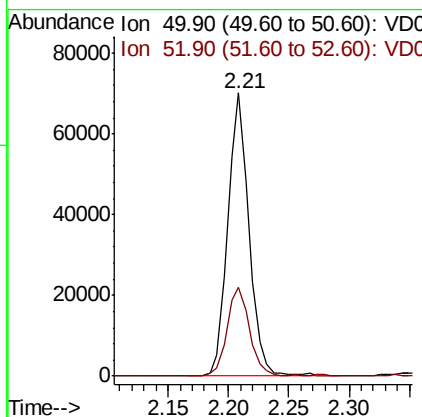
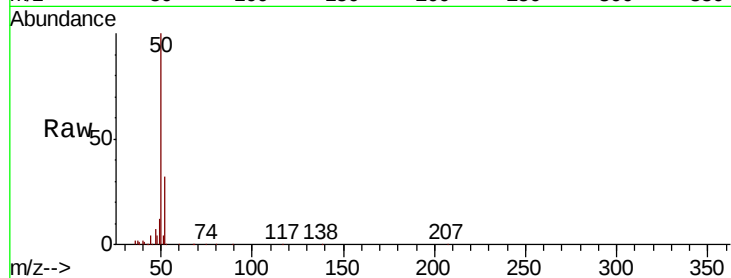
50 100

52 31.6 27.5 41.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 22.724 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063965.D

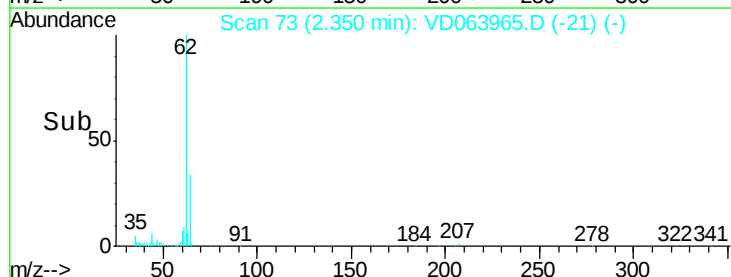
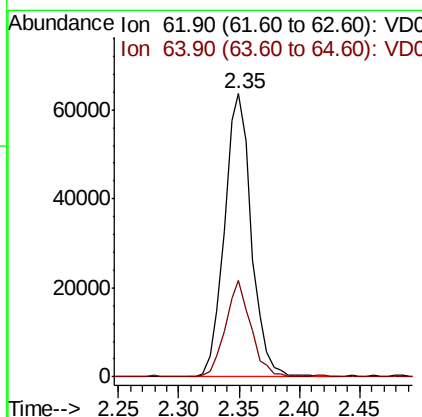
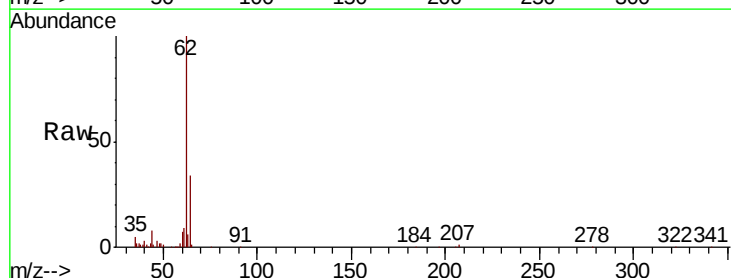
Acq: 15 Oct 2019 12:03

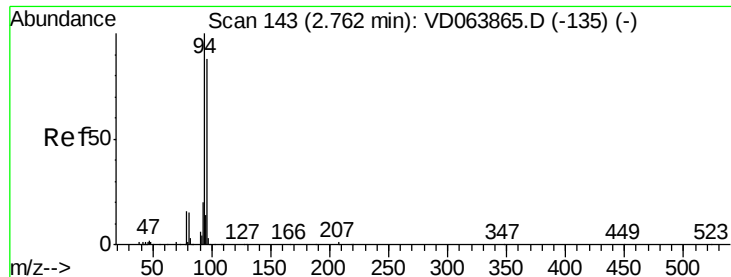
Tgt Ion: 62 Resp: 98270

Ion Ratio Lower Upper

62 100

64 33.9 25.4 38.0





#5

Bromomethane

Concen: 20.390 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 94 Resp: 56687

Ion Ratio Lower Upper

94 100

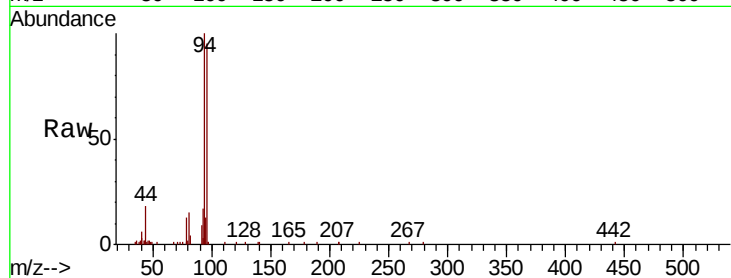
96 93.3 70.8 106.2

Manual Integrations

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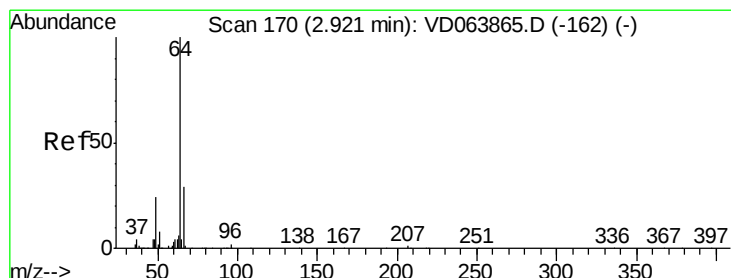
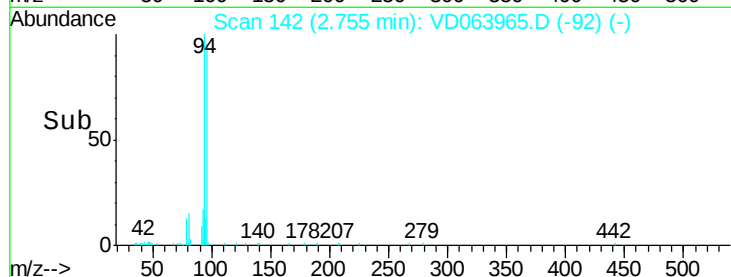
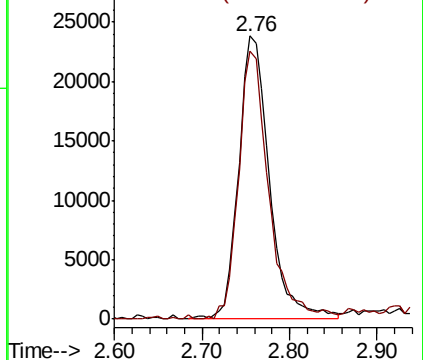
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.888 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063965.D

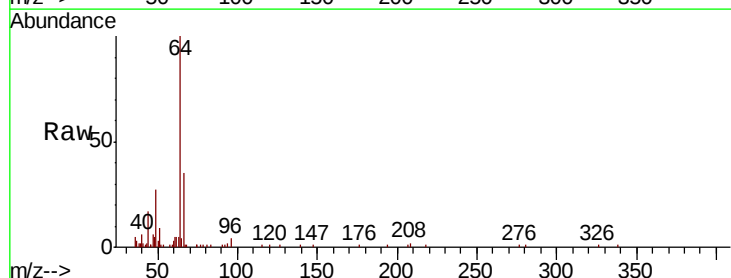
Acq: 15 Oct 2019 12:03

Tgt Ion: 64 Resp: 62597

Ion Ratio Lower Upper

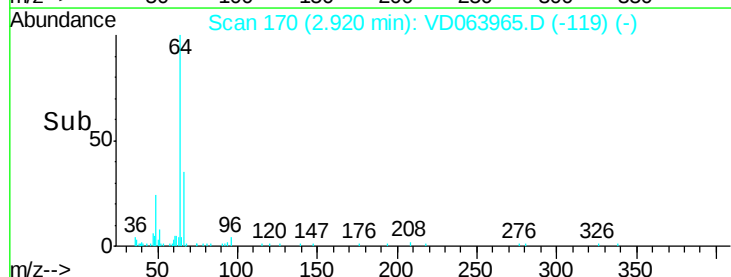
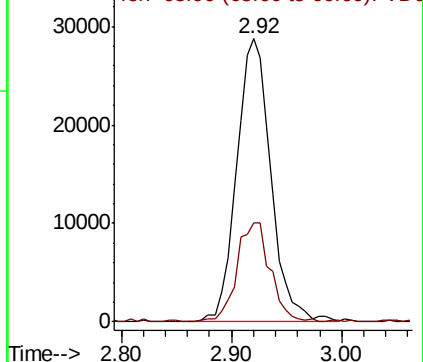
64 100

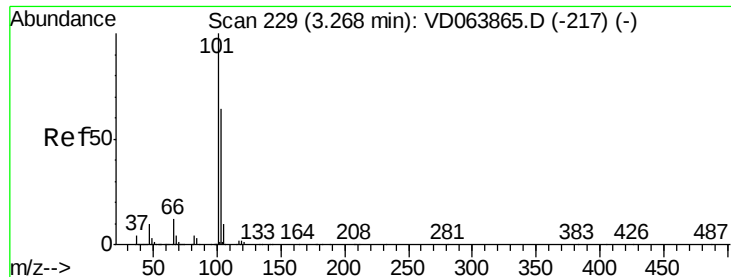
66 35.2 23.0 34.4#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 23.723 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion:101 Resp: 135639

Ion Ratio Lower Upper

101 100

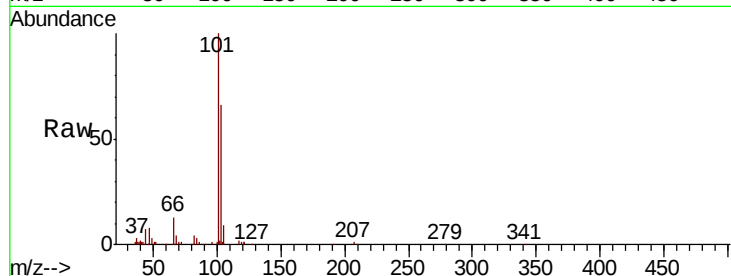
103 65.6 51.1 76.7

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.27

60000

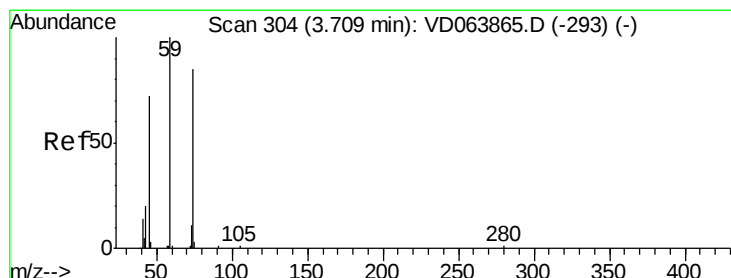
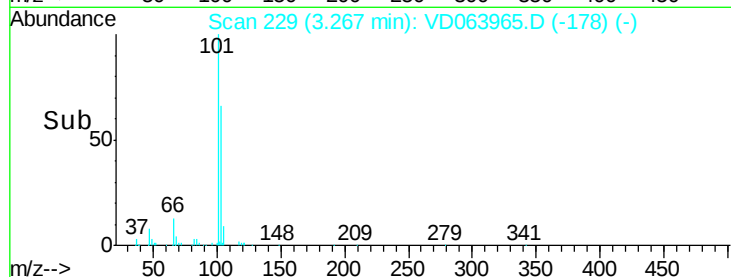
40000

20000

0

Time-->

3.20 3.30 3.40



#8

Diethyl Ether

Concen: 21.289 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.00 min

Lab File: VD063965.D

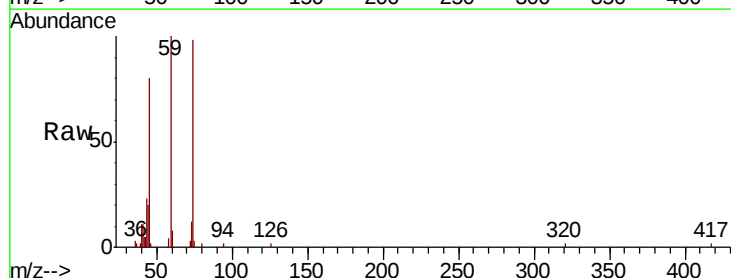
Acq: 15 Oct 2019 12:03

Tgt Ion: 74 Resp: 19537

Ion Ratio Lower Upper

74 100

45 96.2 48.1 144.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

10000

8000

6000

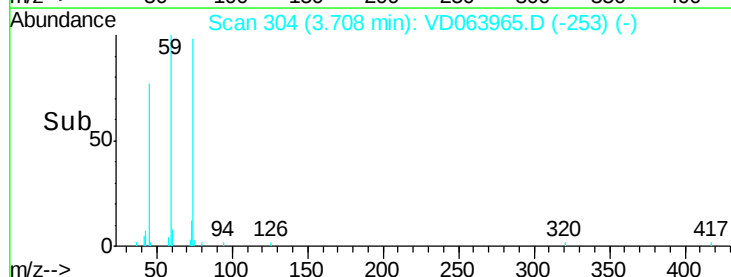
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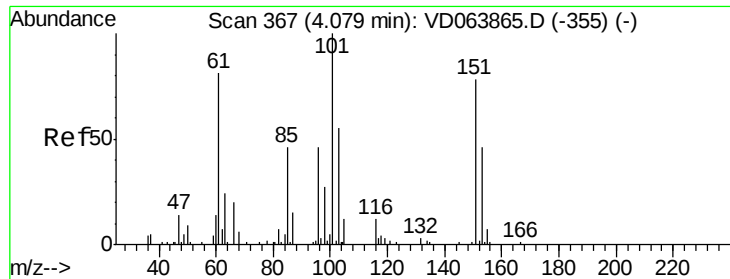
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Time-->

3.60 3.65 3.70 3.75 3.80





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.017 ug/l

RT: 4.08 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

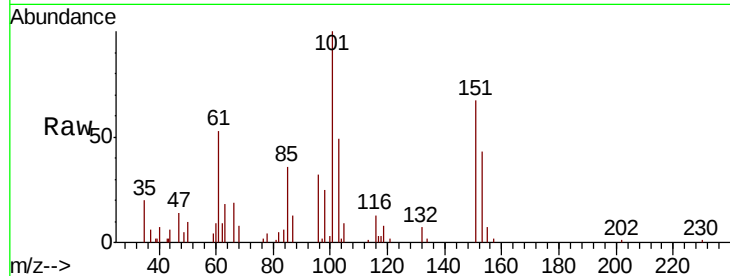
ClientSampleId :

VD1015SBS01

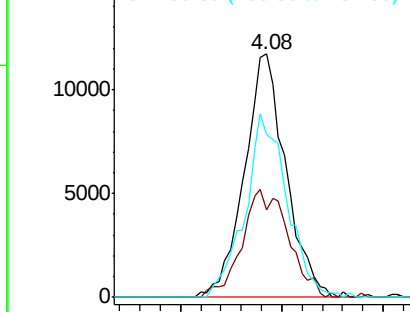
Tot Ion:	101	Resp:	33264
Ion Ratio	Lower	Upper	
101	100		
85	49.6	37.5	56.3
151	76.7	65.5	98.3

Manual Integrations
APPROVED

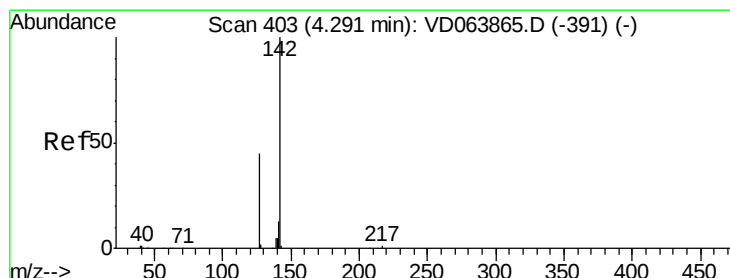
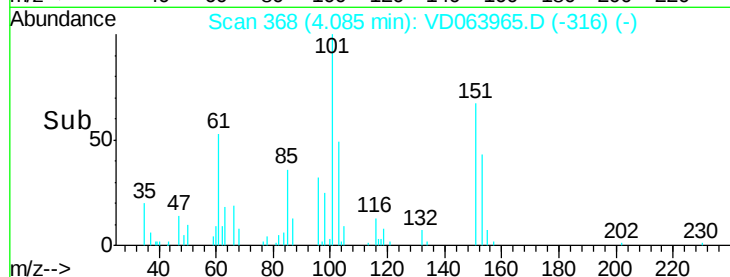
MMDadoda
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



Time-->



#10

Methyl Iodide

Concen: 17.660 ug/l

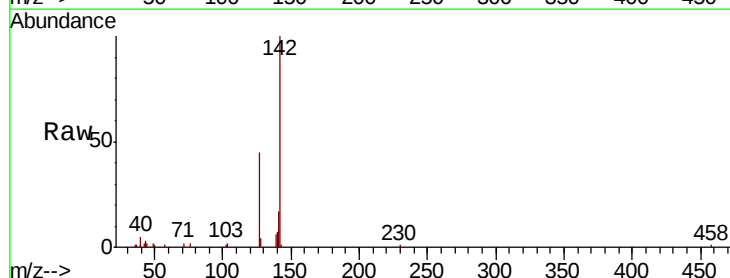
RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

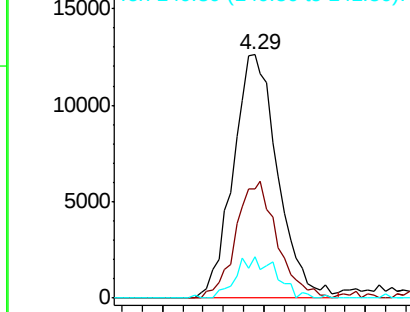
Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

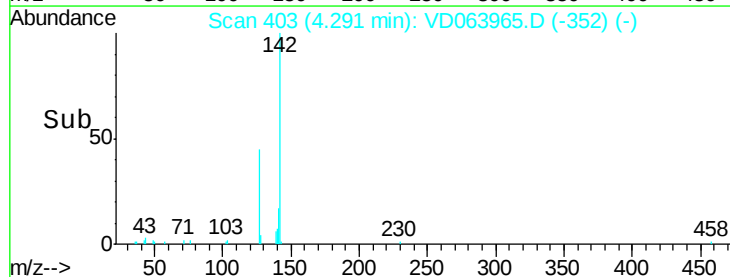
Tgt Ion:	142	Resp:	38513
Ion Ratio	Lower	Upper	
142	100		
127	44.3	35.3	52.9
141	15.1	12.2	18.2

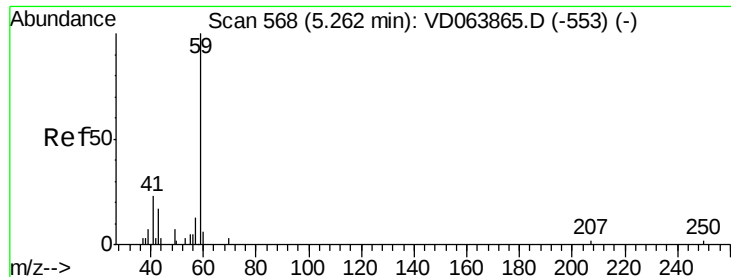


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



Time-->





#11

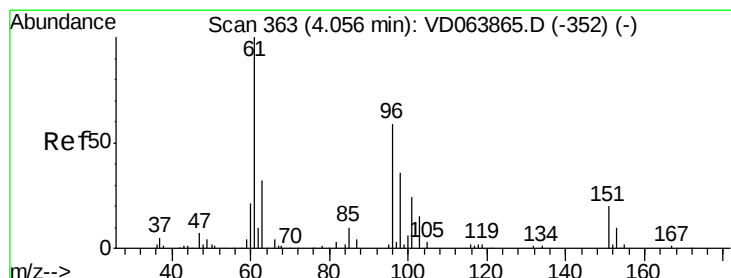
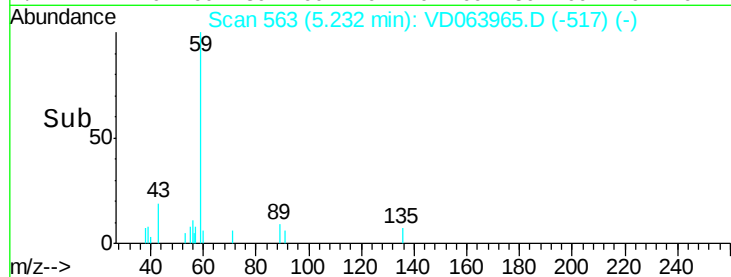
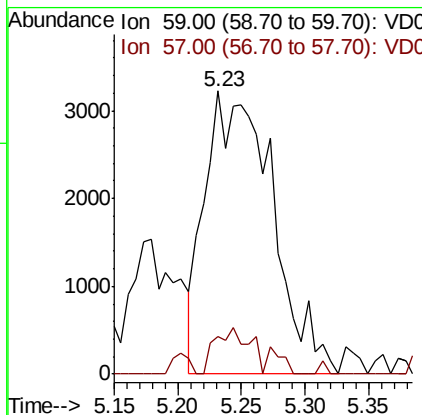
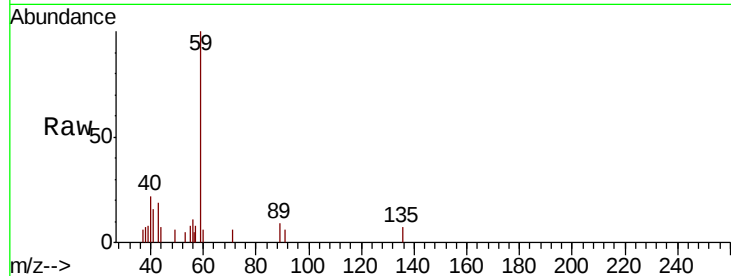
Tert butyl alcohol
 Concen: 87.458 ug/l m
 RT: 5.23 min Scan# 563
 Delta R.T. -0.03 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Tot Ion: 59 Resp: 11826
 Ion Ratio Lower Upper
 59 100
 57 8.4 8.8 13.2#

Manual Integrations
 APPROVED

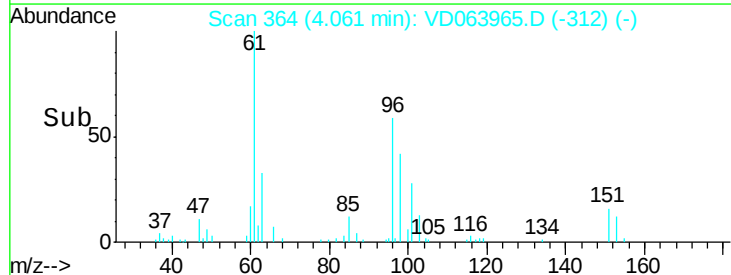
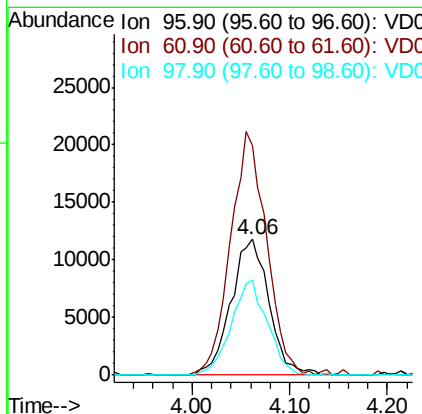
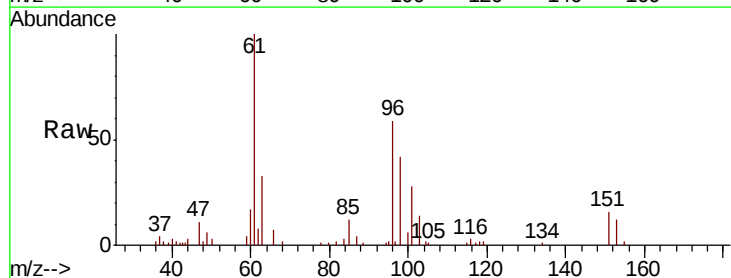
MMDadoda
 10/18/2019 12:41:41 AM

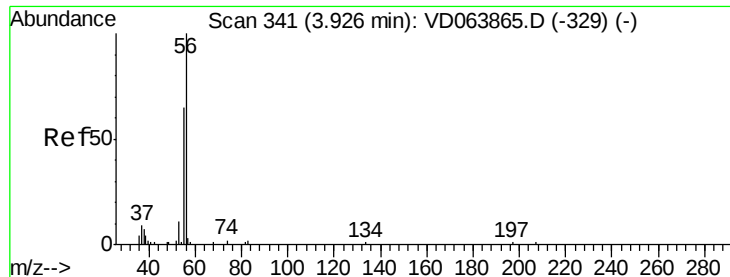


#12

1,1-Dichloroethene
 Concen: 20.242 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Tgt Ion: 96 Resp: 32008
 Ion Ratio Lower Upper
 96 100
 61 164.2 135.6 203.4
 98 68.4 49.2 73.8





#13

Acrolein

Concen: 66.336 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 56 Resp: 10883

Ion Ratio Lower Upper

56 100

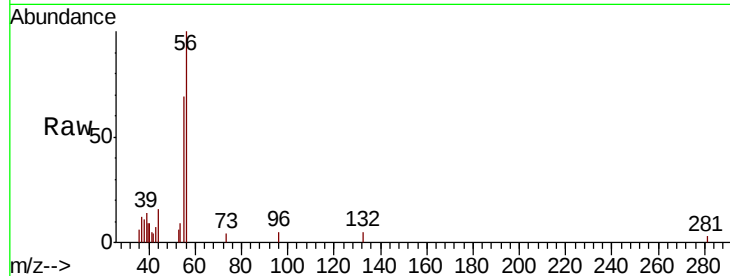
55 70.9 53.0 79.6

Manual Integrations

APPROVED

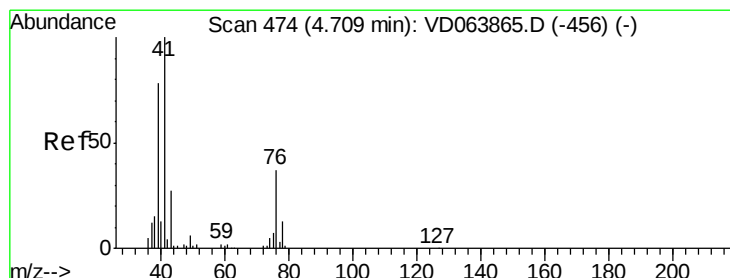
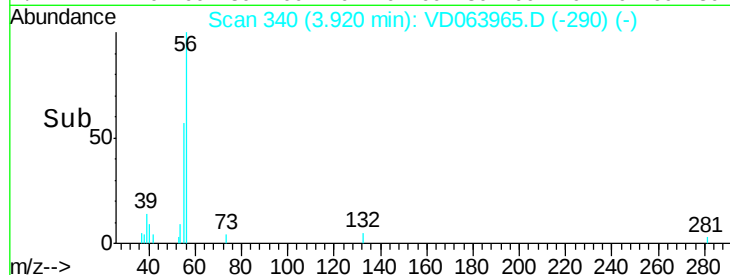
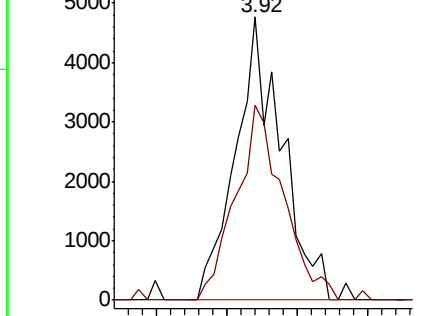
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.439 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

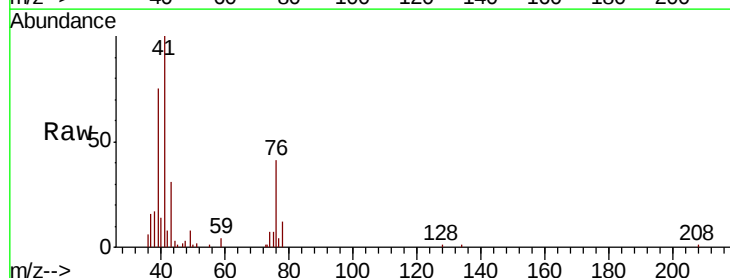
Tgt Ion: 41 Resp: 51103

Ion Ratio Lower Upper

41 100

39 78.5 61.8 92.6

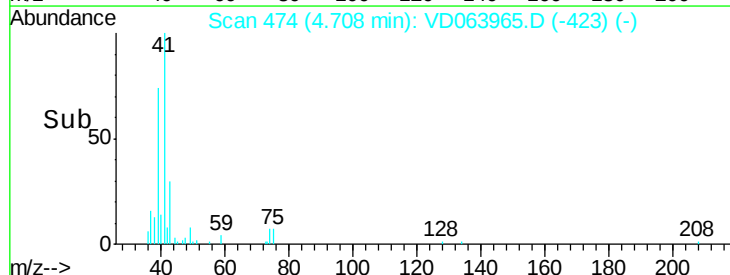
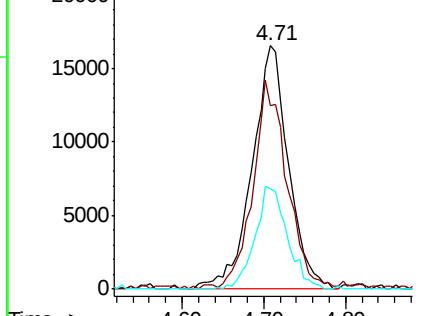
76 37.5 31.3 46.9

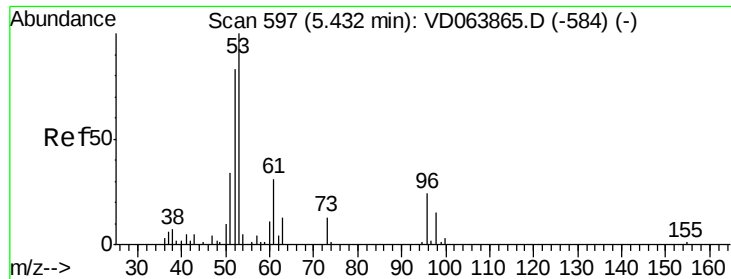


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 104.318 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

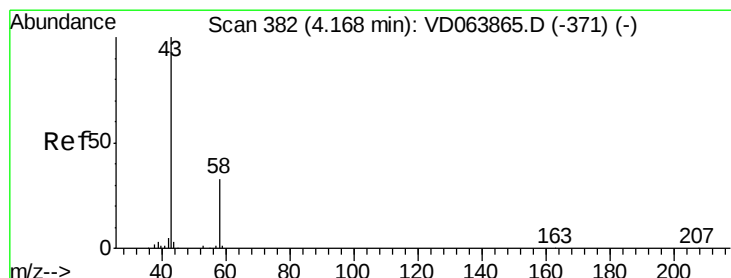
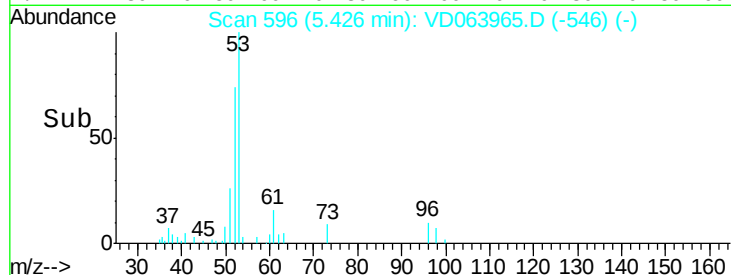
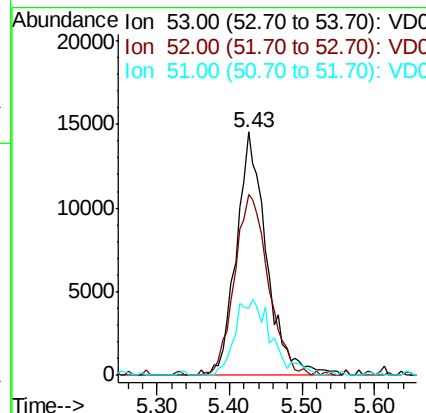
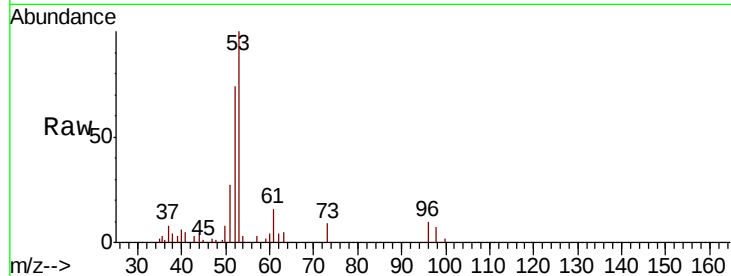
ClientSampleId :

VD1015SBS01

Tot Ion:	53	Resp:	42208
Ion	Ratio	Lower	Upper
53	100		
52	82.7	67.3	100.9
51	35.1	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 84.475 ug/l

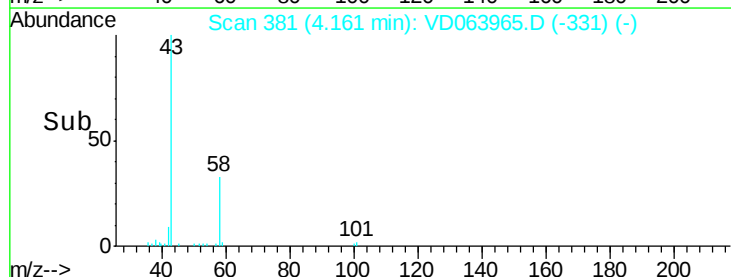
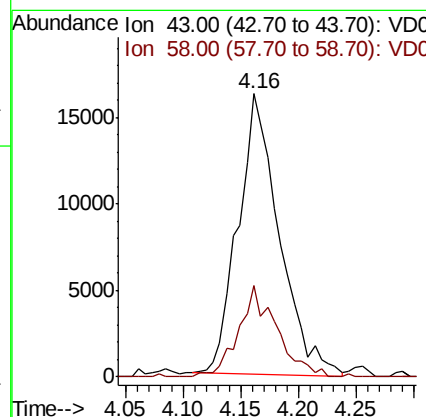
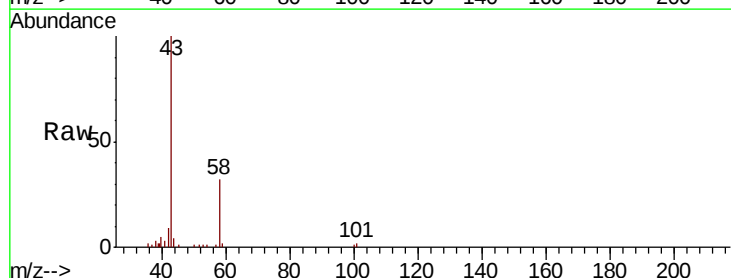
RT: 4.16 min Scan# 381

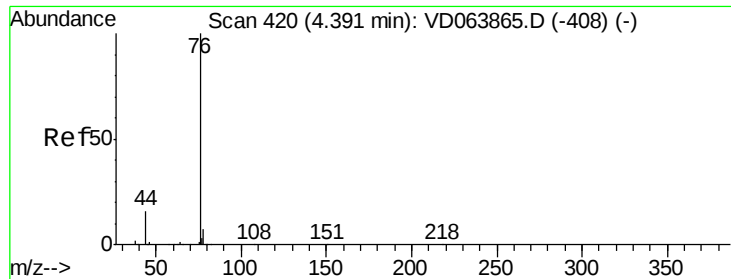
Delta R.T. -0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Tgt Ion:	43	Resp:	40399
Ion	Ratio	Lower	Upper
43	100		
58	32.9	26.2	39.4





#17

Carbon Disulfide

Concen: 18.321 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 76 Resp: 105308

Ion Ratio Lower Upper

76 100

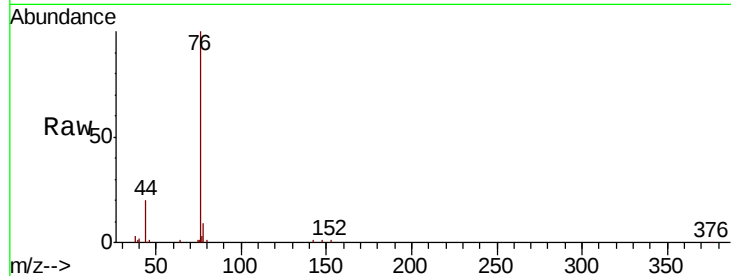
78 9.2 5.8 8.8#

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:41:41 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

40000

30000

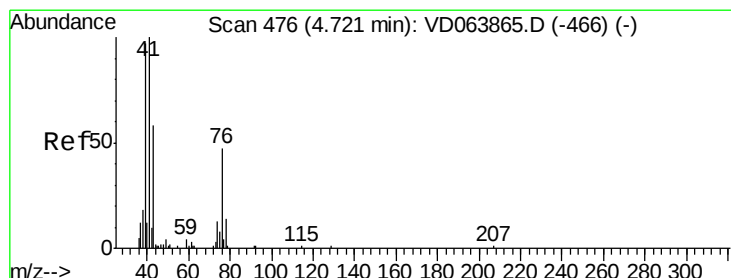
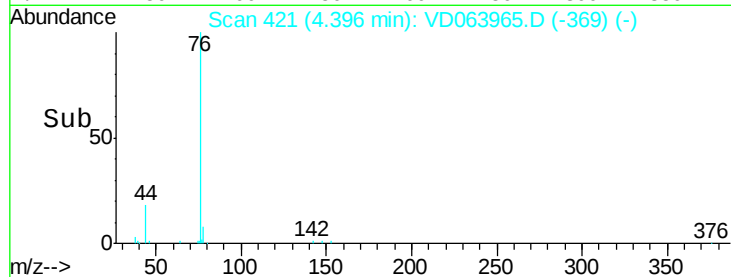
20000

10000

0

4.30 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 20.816 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD063965.D

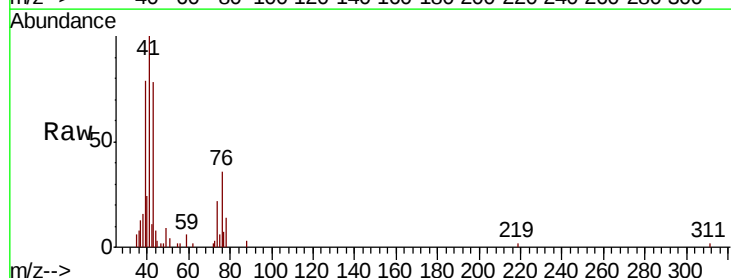
Acq: 15 Oct 2019 12:03

Tgt Ion: 43 Resp: 19471

Ion Ratio Lower Upper

43 100

74 14.7 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

6000

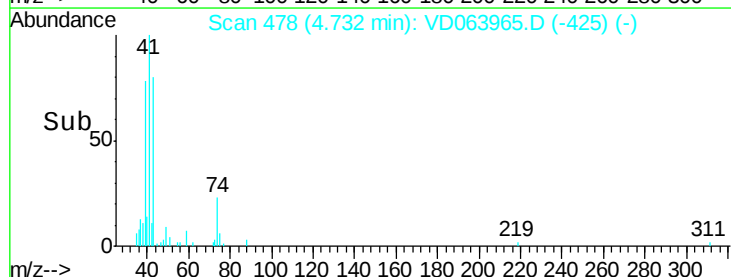
4000

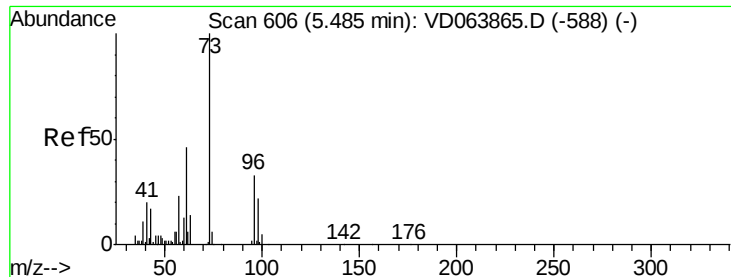
2000

0

4.60 4.70 4.80

Time-->





#19

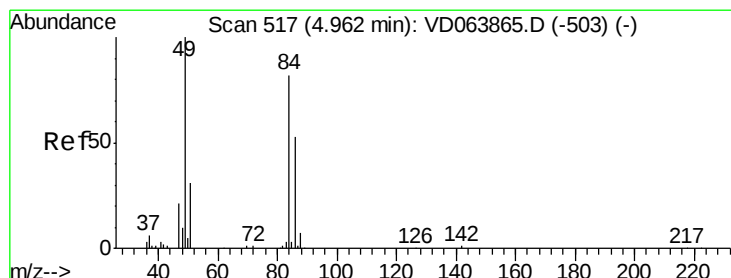
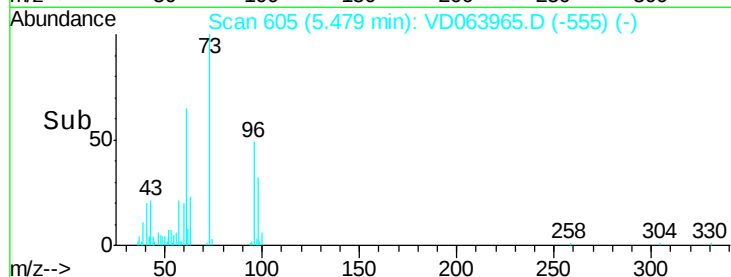
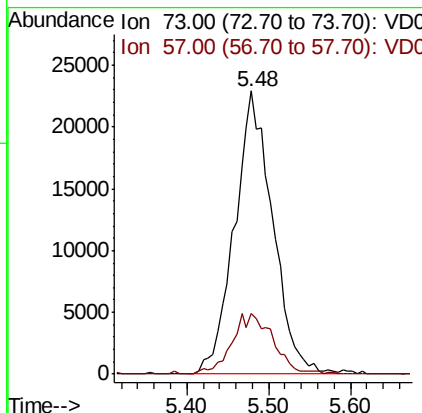
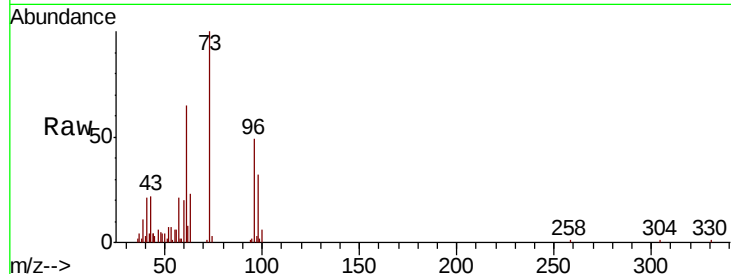
Methyl tert-butyl Ether
 Concen: 18.140 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1015SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.5	18.1	27.1

Manual Integrations
 APPROVED

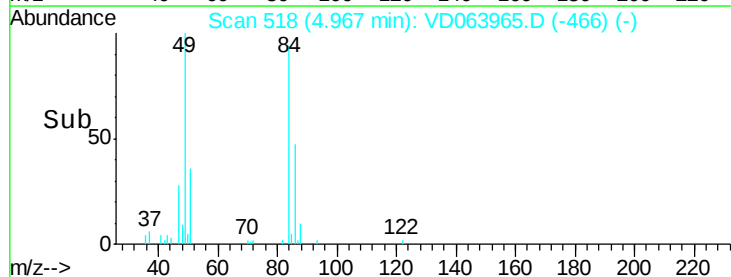
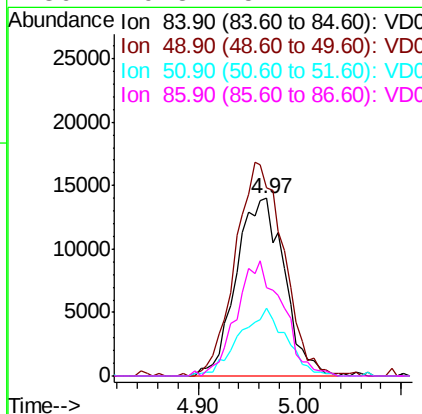
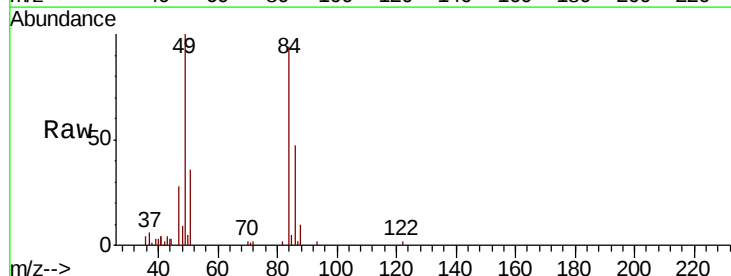
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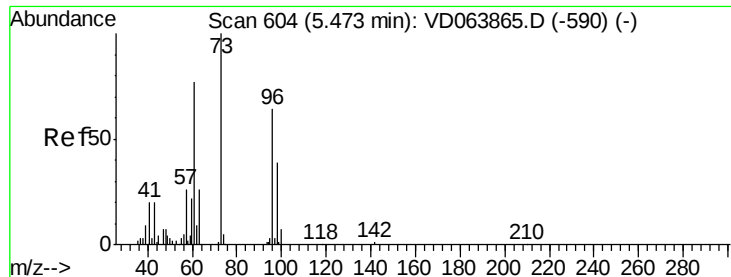


#20

Methylene Chloride
 Concen: 19.919 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
84	100		
49	106.3	97.3	145.9
51	38.5	30.1	45.1
86	49.8	51.4	77.2#





#21

trans-1,2-Dichloroethene

Concen: 20.193 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 96 Resp: 39749

Ion Ratio Lower Upper

96 100

61 111.2 96.6 145.0

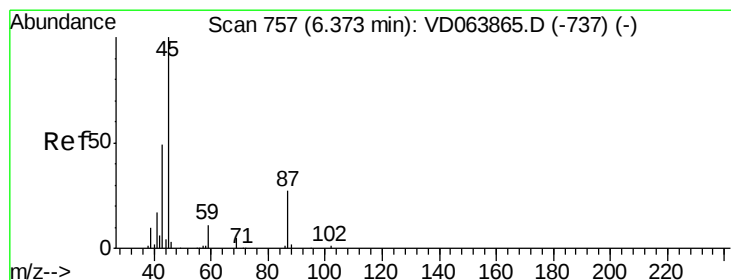
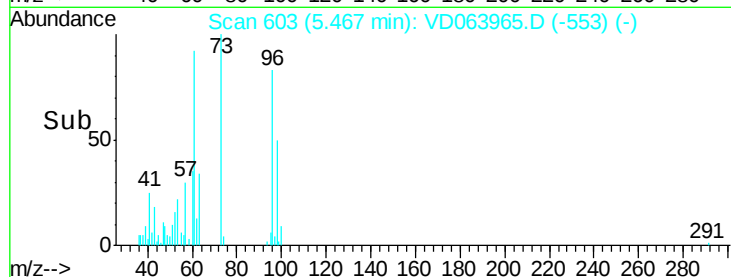
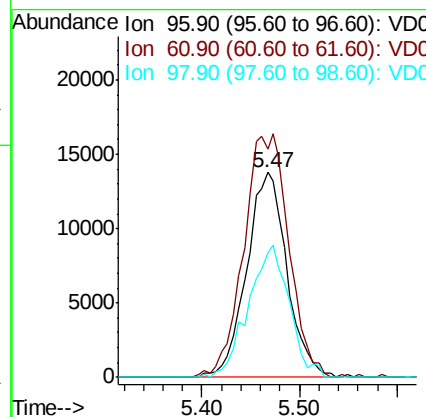
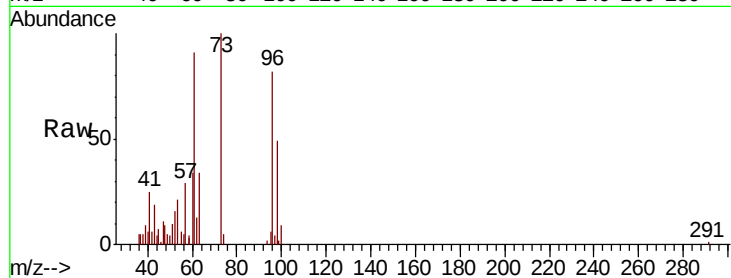
98 60.6 48.7 73.1

Manual Integrations

APPROVED

MMDadoda

10/18/2019 12:41:41 AM



#22

Diisopropyl ether

Concen: 20.266 ug/l

RT: 6.37 min Scan# 757

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Tgt Ion: 45 Resp: 108807

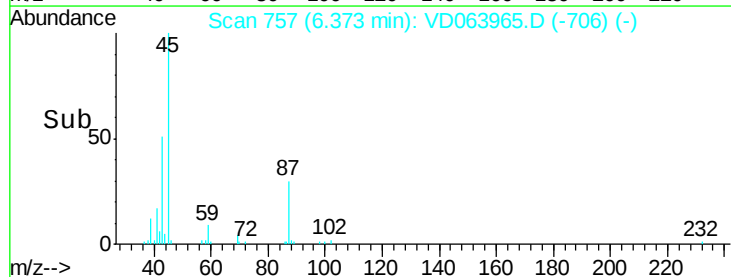
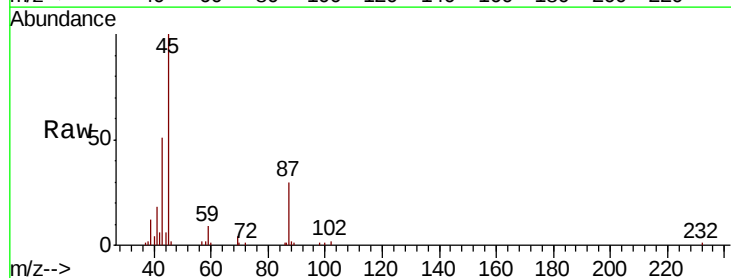
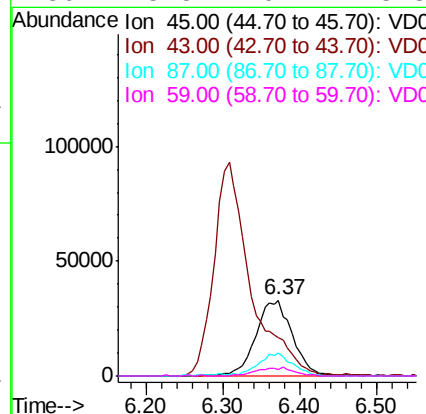
Ion Ratio Lower Upper

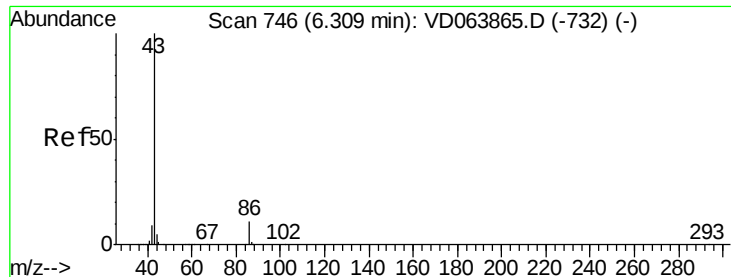
45 100

43 48.3 41.2 61.8

87 29.7 22.2 33.4

59 8.8 9.2 13.8#





#23

Vinyl Acetate

Concen: 96.612 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 43 Resp: 308576

Ion Ratio Lower Upper

43 100

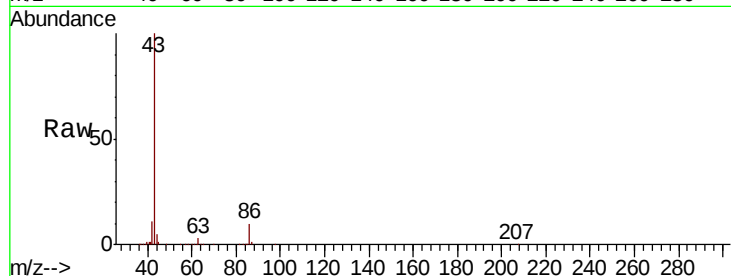
86 10.2 8.8 13.2

Manual Integrations

APPROVED

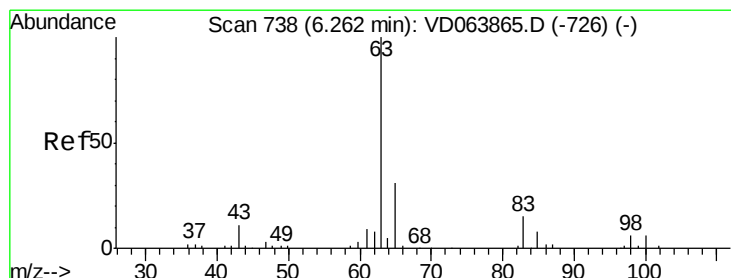
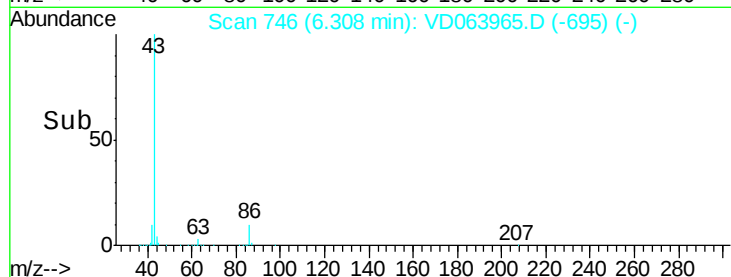
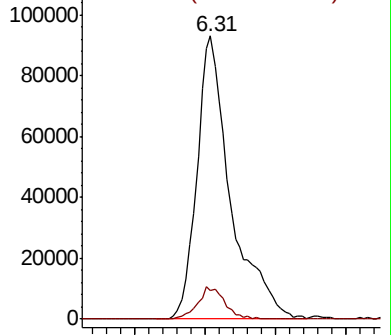
MMDadoda

10/18/2019 12:41:41 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.487 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

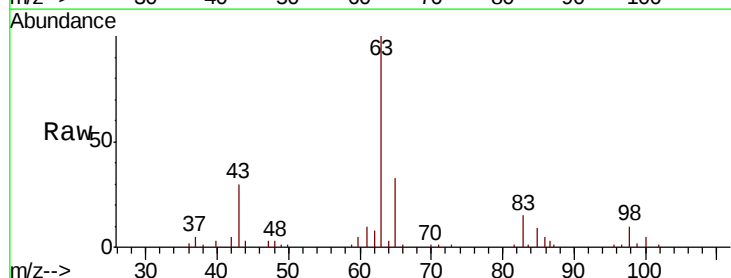
Tgt Ion: 63 Resp: 67753

Ion Ratio Lower Upper

63 100

98 9.8 3.1 9.4#

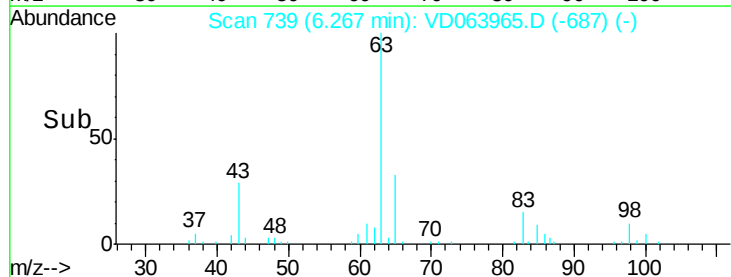
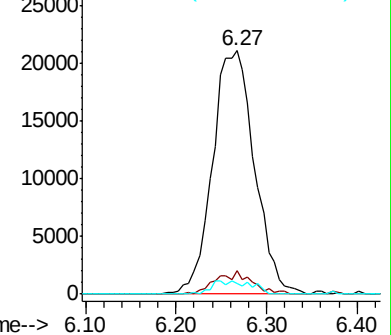
100 4.6 3.0 9.2

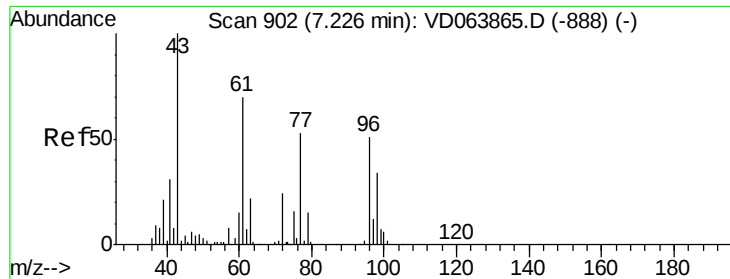


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 94.708 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 43 Resp: 53677

Ion Ratio Lower Upper

43 100

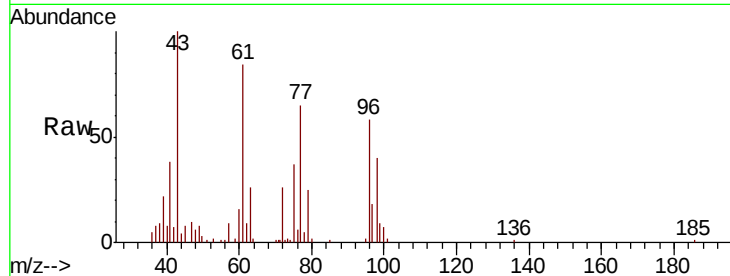
72 27.5 19.2 28.8

Manual Integrations

APPROVED

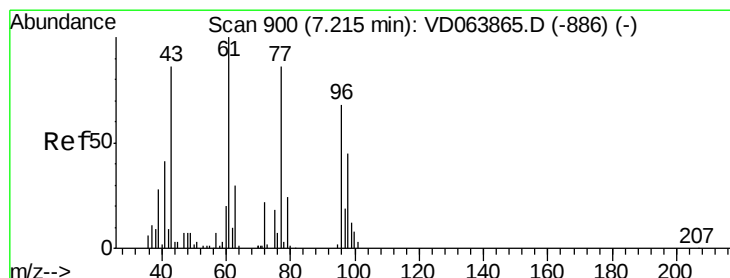
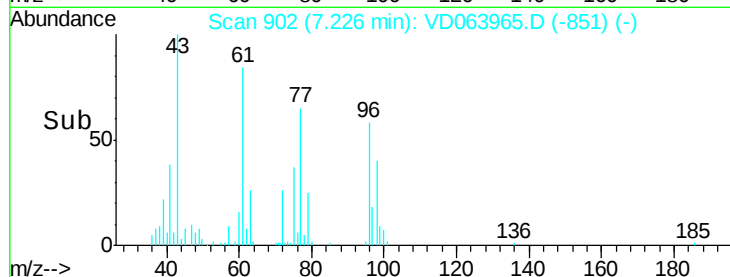
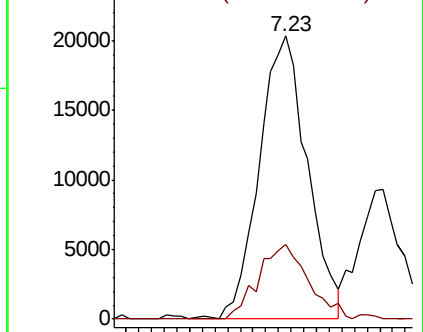
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.522 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD063965.D

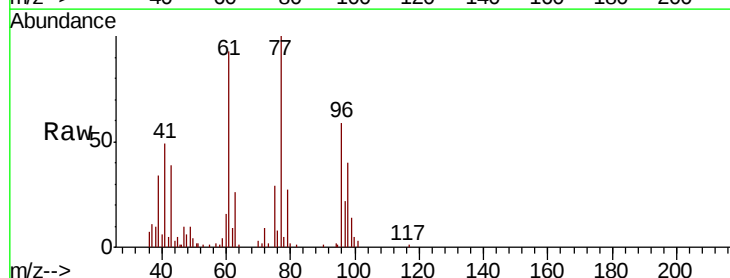
Acq: 15 Oct 2019 12:03

Tgt Ion: 77 Resp: 61392

Ion Ratio Lower Upper

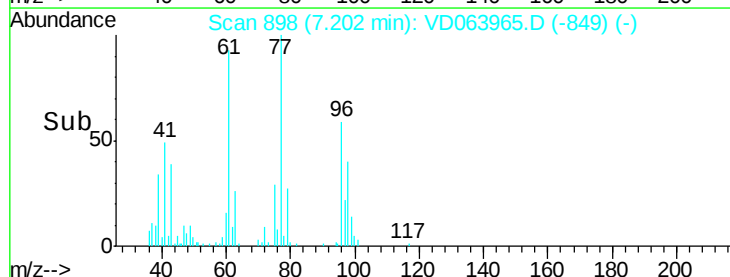
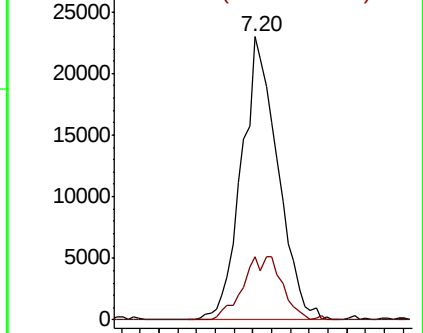
77 100

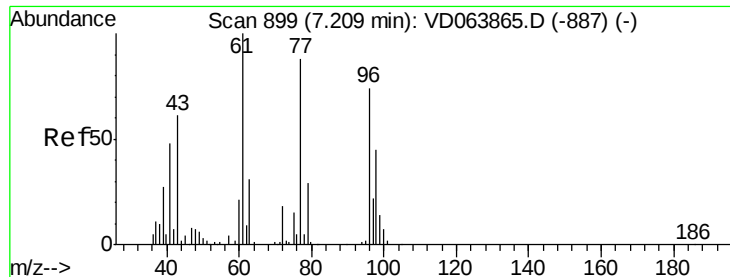
97 12.3 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

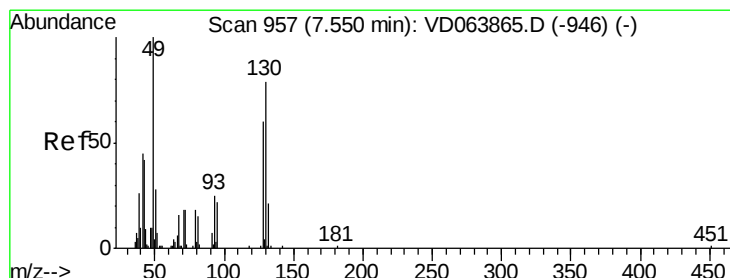
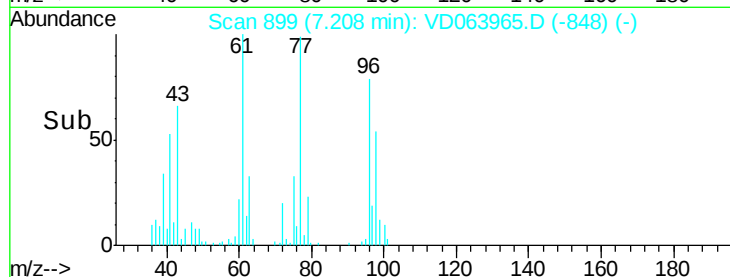
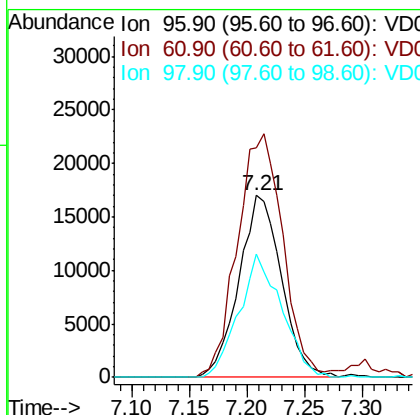
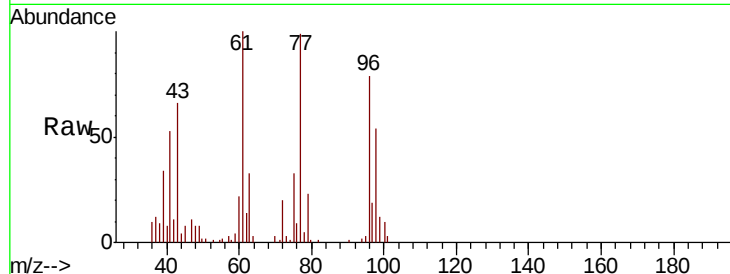
cis-1,2-Dichloroethene
 Concen: 19.627 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.5	0.0	280.0
98	67.8	0.0	130.4

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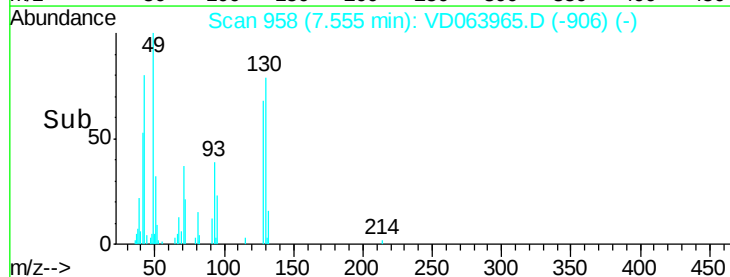
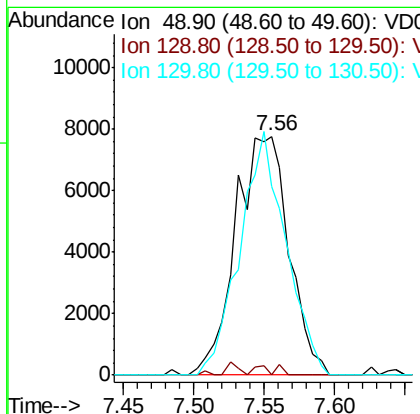
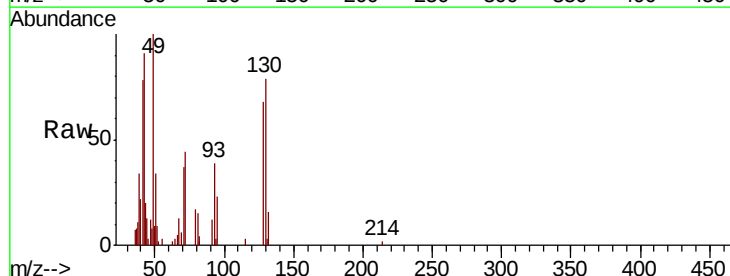
MMDadoda
 10/18/2019 12:41:41 AM

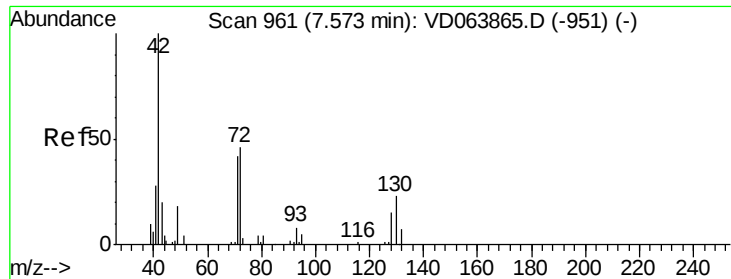


#28

Bromochloromethane
 Concen: 17.623 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	5.6
130	87.7	66.8	100.2





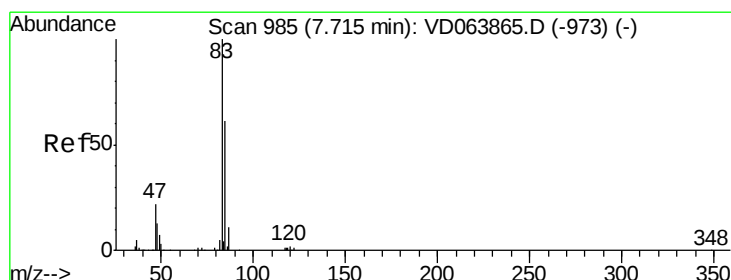
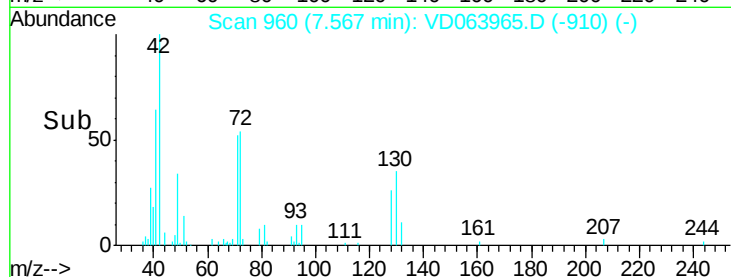
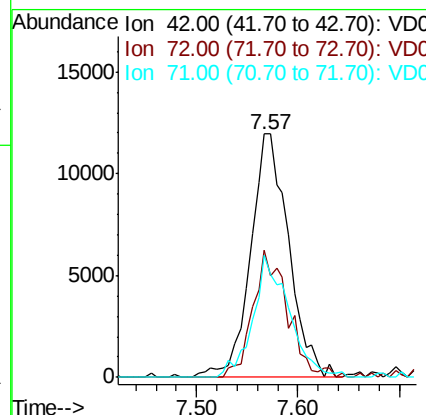
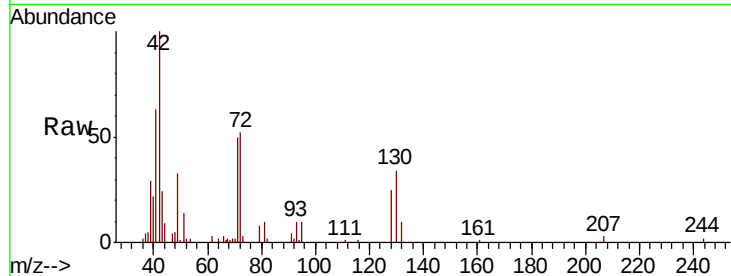
#29
Tetrahydrofuran
Concen: 94.055 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	37.6	56.4
71	47.7	35.0	52.6

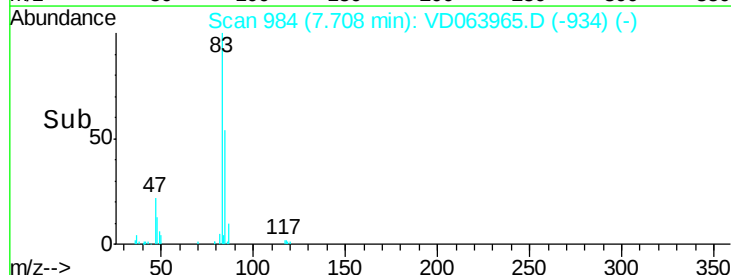
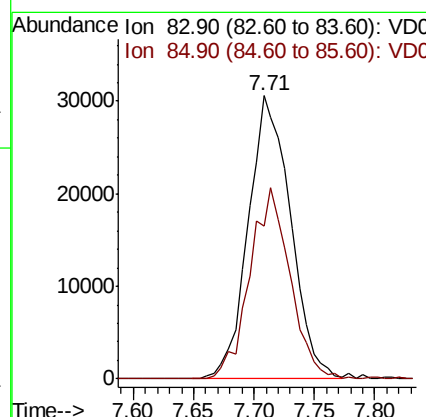
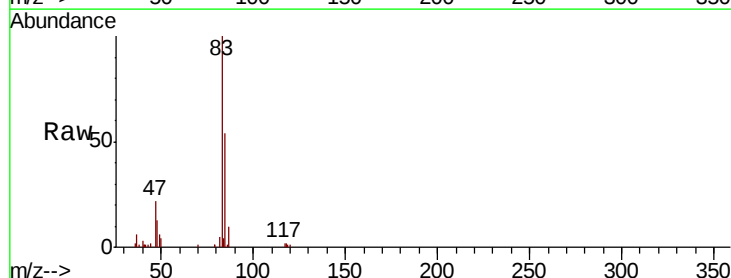
Manual Integrations
APPROVED

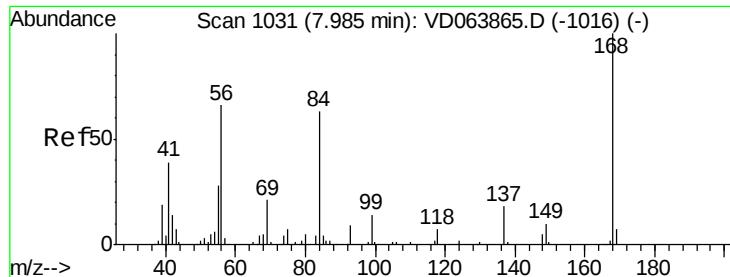
MMDadoda
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#30
Chloroform
Concen: 20.669 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	54.1	48.9	73.3





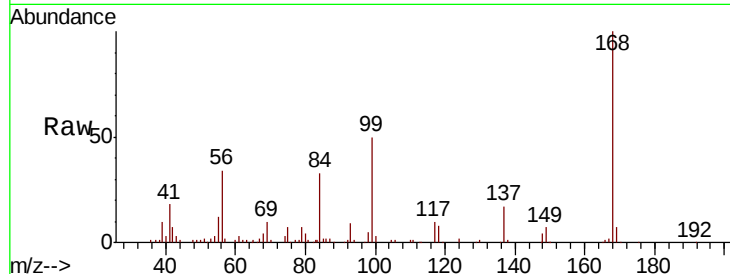
#31
Cyclohexane
Concen: 21.689 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.8	25.0	37.4
84	96.2	76.3	114.5

Manual Integrations
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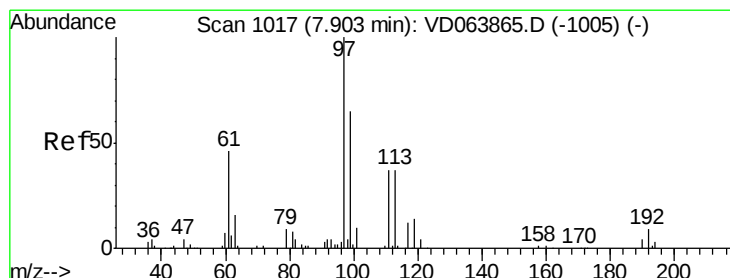
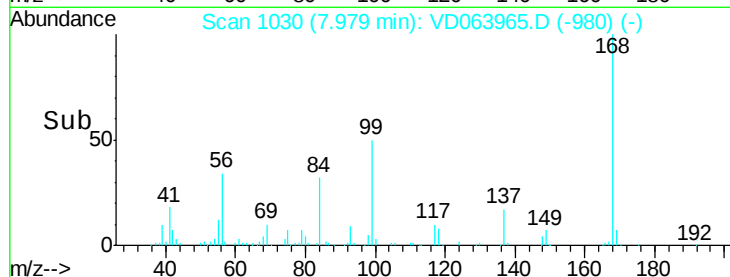
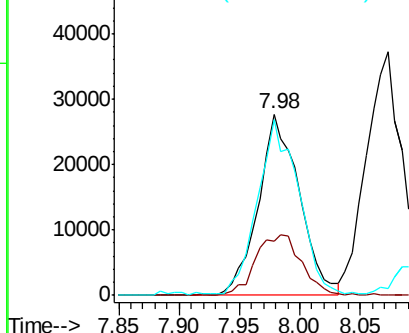


Abundance

Ion 56.00 (55.70 to 56.70): VDC

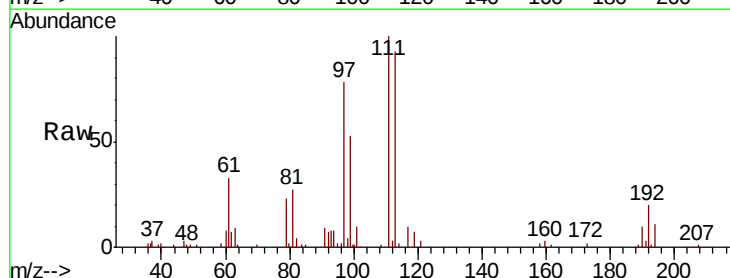
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32
1,1,1-Trichloroethane
Concen: 21.320 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.7	52.4	78.6
61	42.8	33.8	50.8

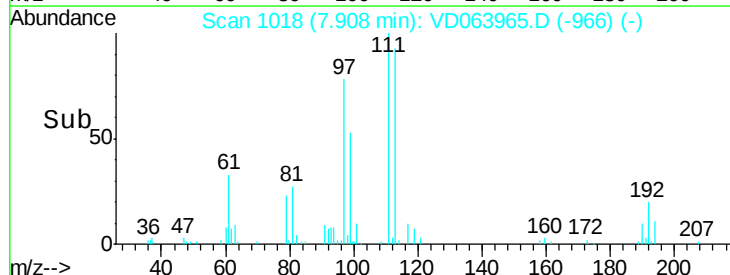
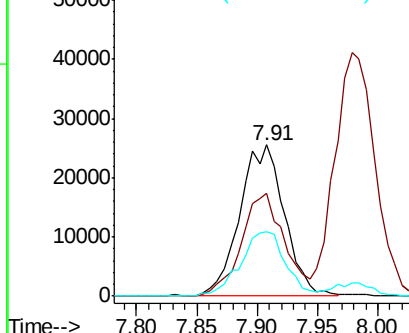


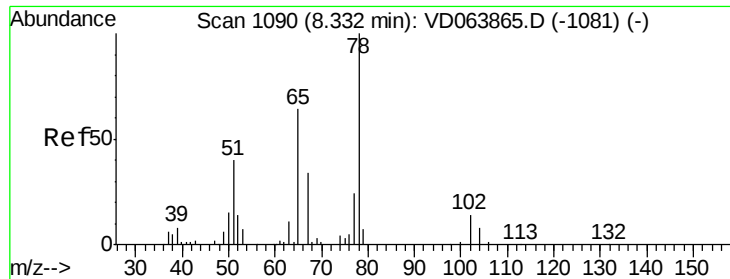
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





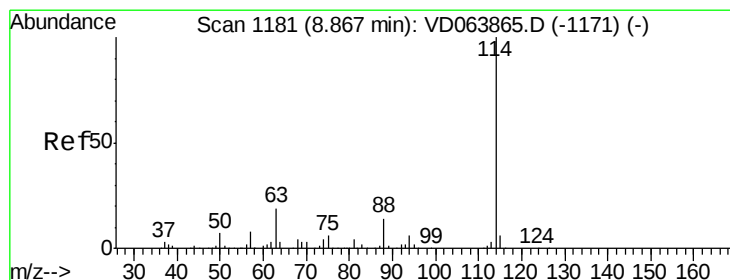
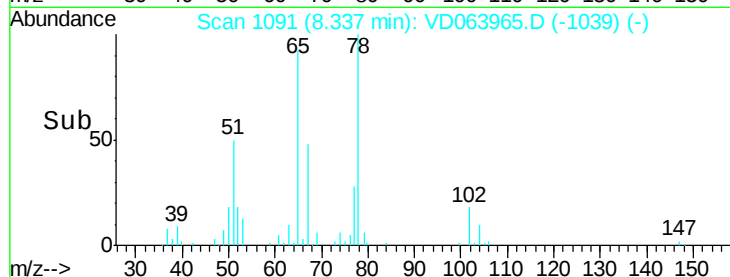
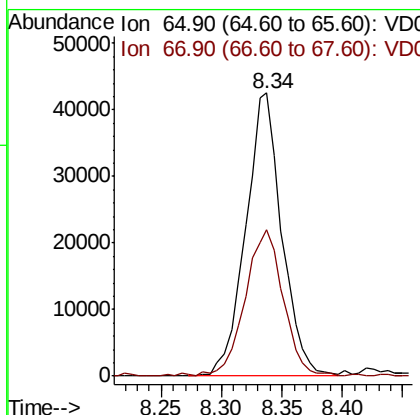
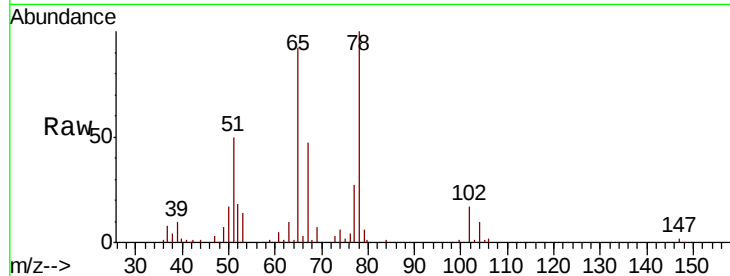
#33
 1,2-Dichloroethane-d4
 Concen: 48.145 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.3	0.0	106.4	

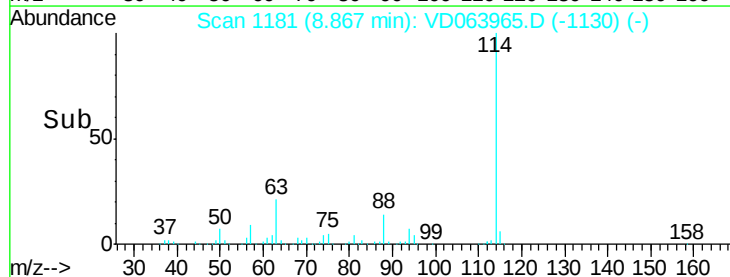
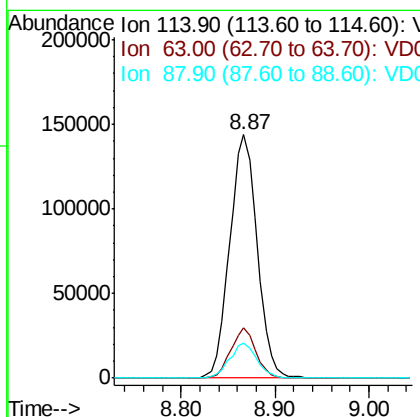
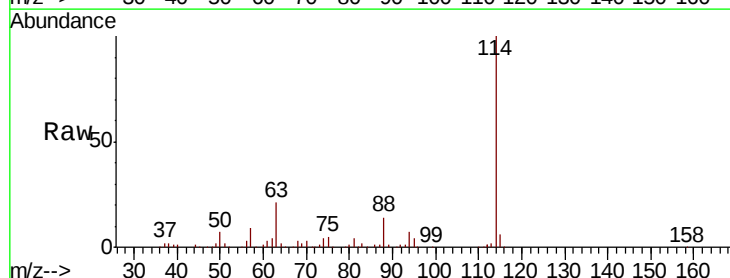
Manual Integrations
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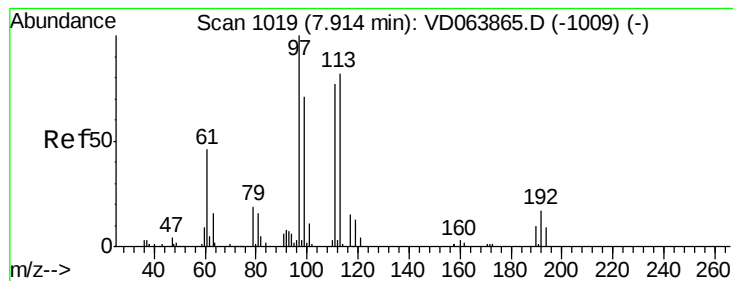
MMDadoda
 10/18/2019 12:41:41 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.5	0.0	38.4	
88	14.5	0.0	27.4	





#35

Dibromofluoromethane

Concen: 51.469 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

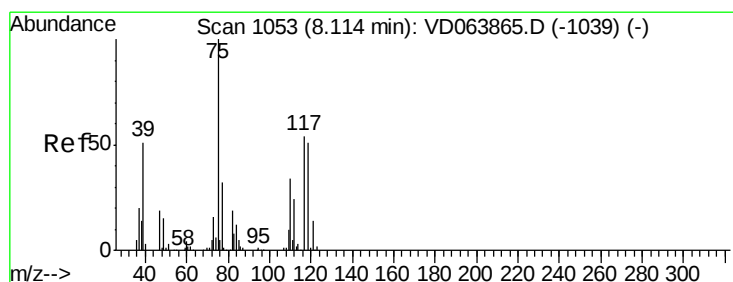
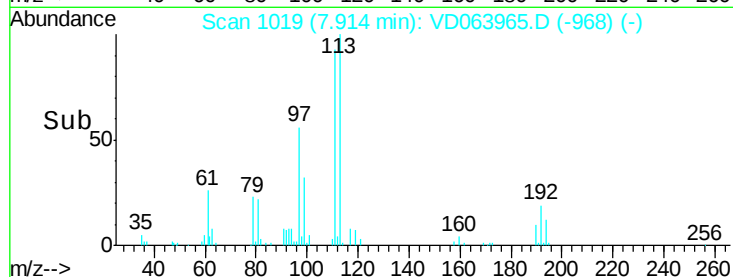
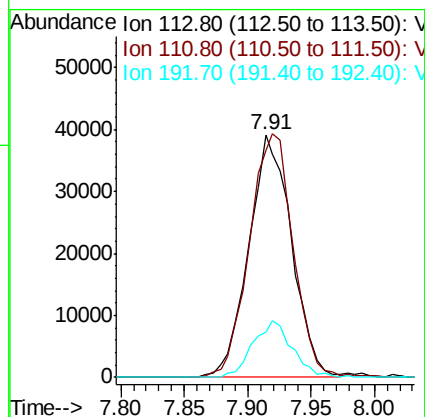
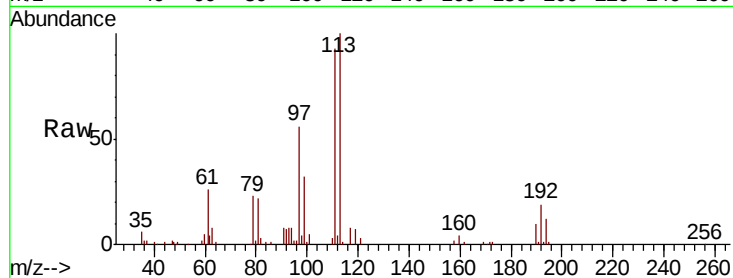
ClientSampleId :

VD1015SBS01

Tot Ion:	113	Resp:	91862
Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.6	123.8
192	21.4	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 22.222 ug/l

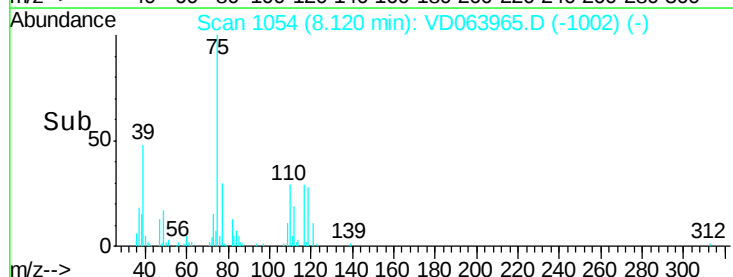
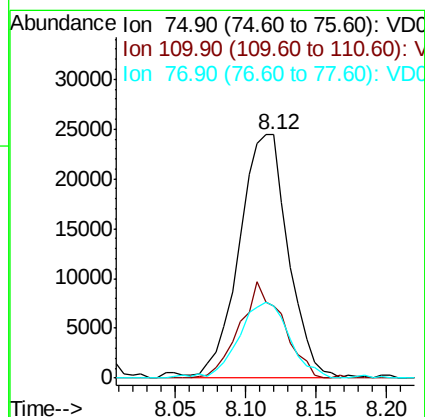
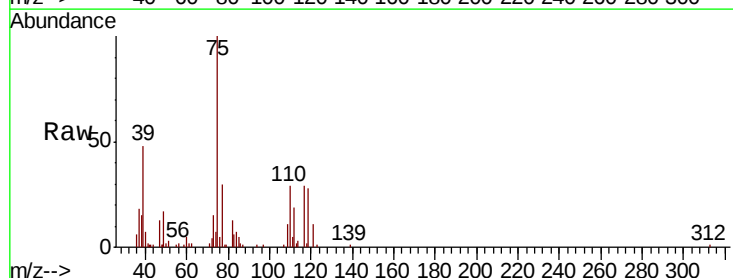
RT: 8.12 min Scan# 1054

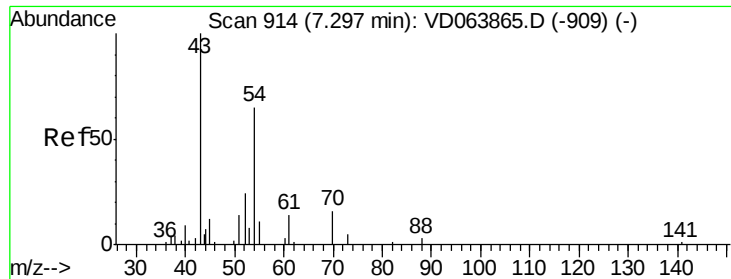
Delta R.T. 0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Tgt Ion:	75	Resp:	59339
Ion	Ratio	Lower	Upper
75	100		
110	34.8	17.4	52.3
77	32.3	25.4	38.0





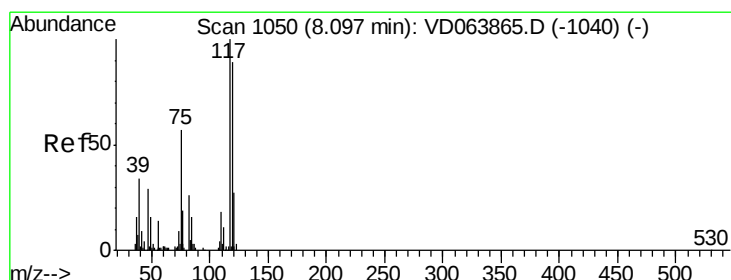
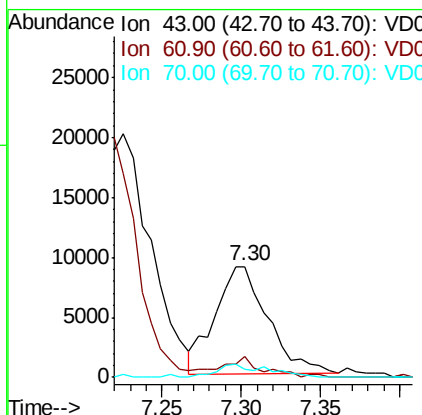
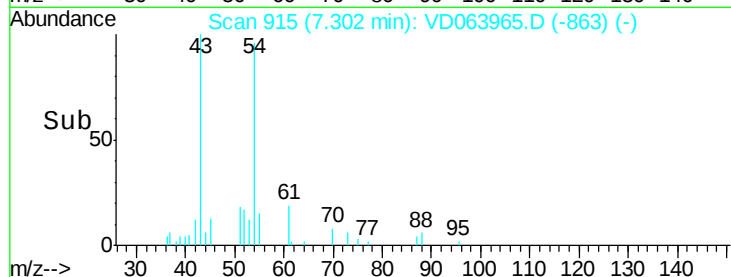
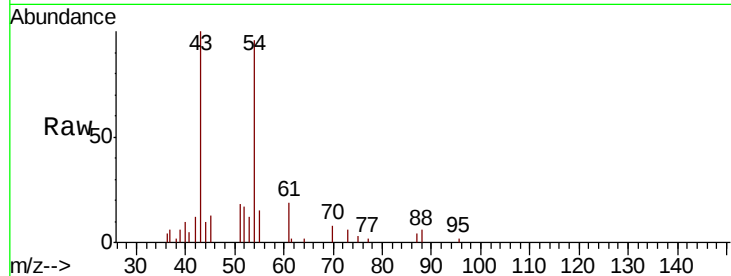
#37
Ethyl Acetate
Concen: 16.872 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.5	17.3
70	7.4	8.2	12.4

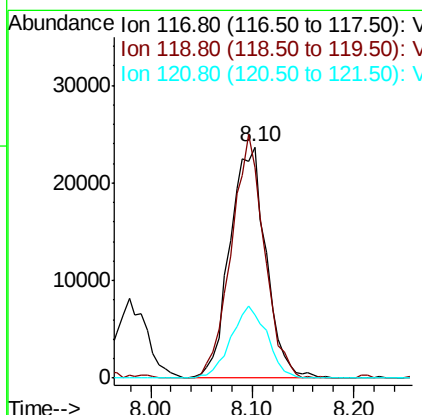
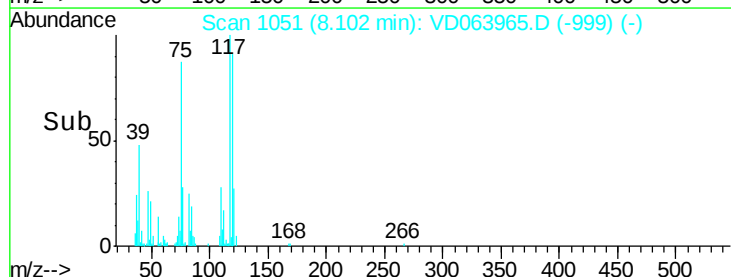
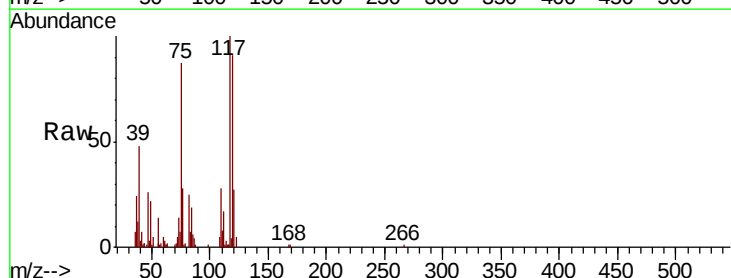
Manual Integrations
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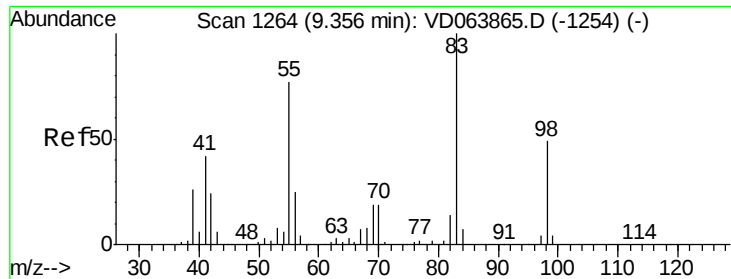
MMDadoda
10/18/2019 12:41:41 AM



#38
Carbon Tetrachloride
Concen: 21.735 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.2	70.8	106.2
121	27.4	21.4	32.0





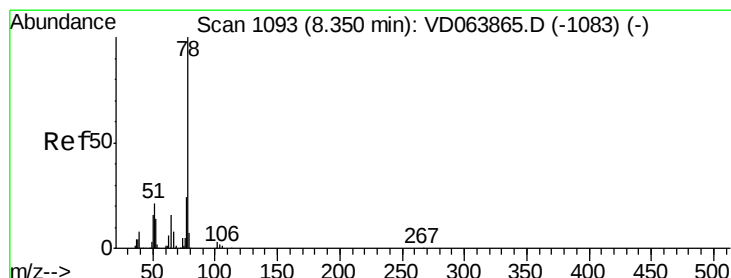
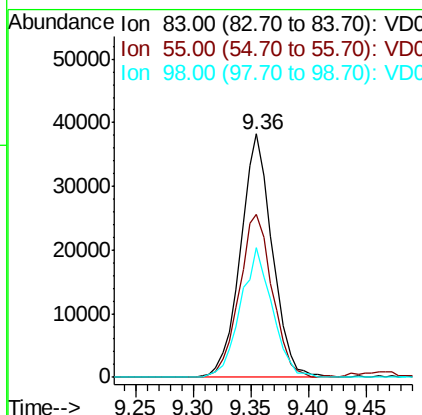
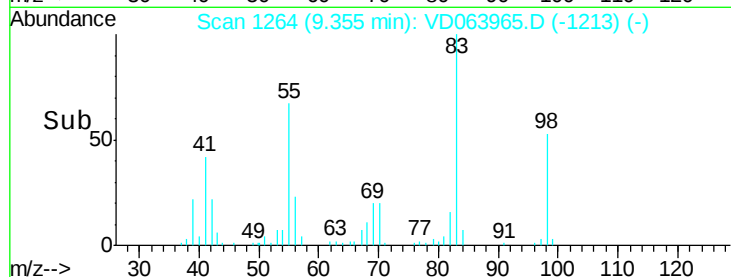
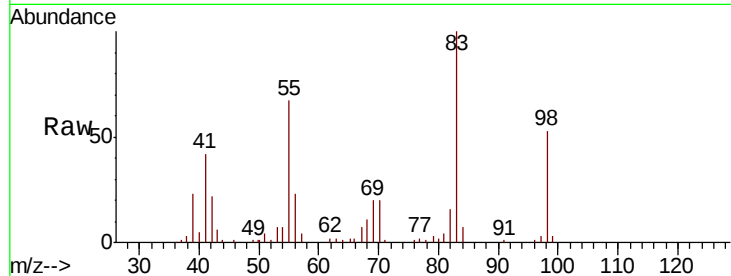
#39
Methvlcvclohexane
Concen: 22.259 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	83	Resp	73083
Ion Ratio	100	Lower	Upper
83	100		
55	67.0	61.3	91.9
98	53.4	39.3	58.9

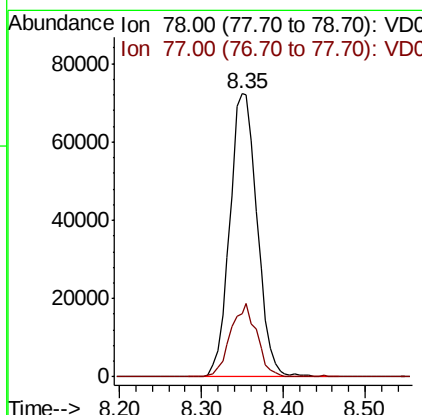
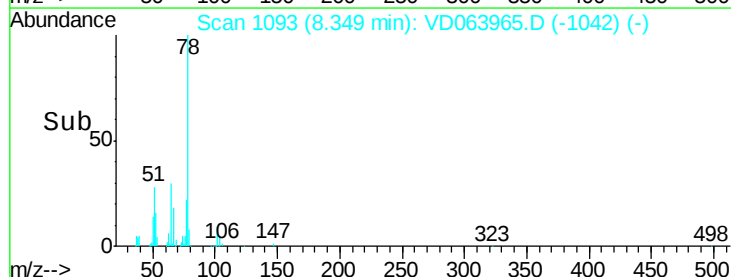
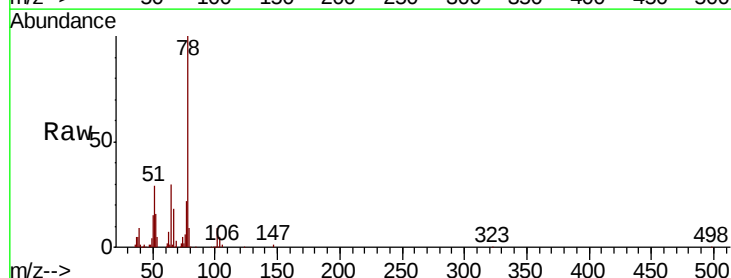
Manual Integrations
APPROVED

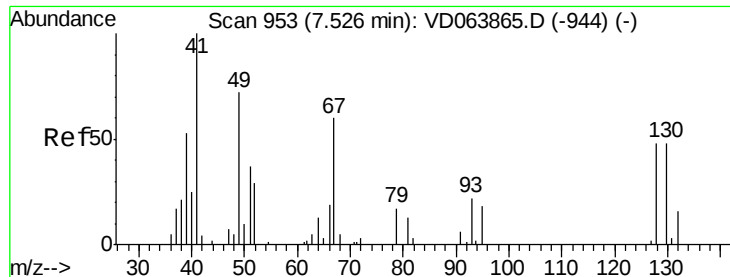
MMDadoda
10/18/2019 12:41:41 AM



#40
Benzene
Concen: 22.032 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion	78	Resp	168594
Ion Ratio	100	Lower	Upper
78	100		
77	22.3	19.0	28.6





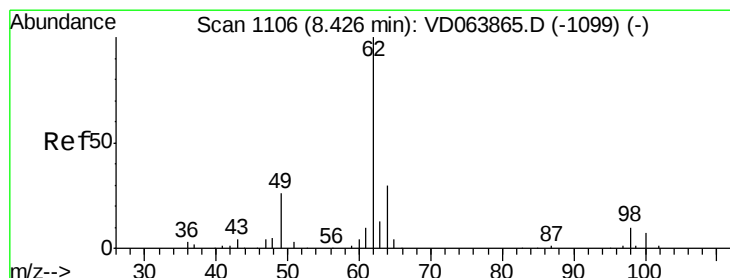
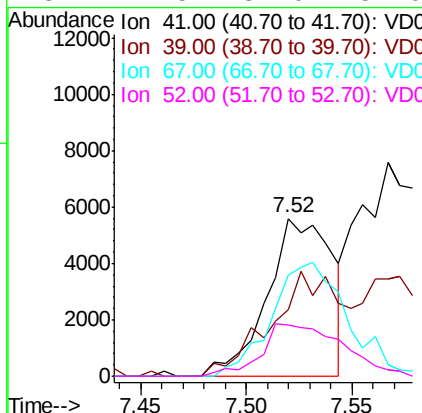
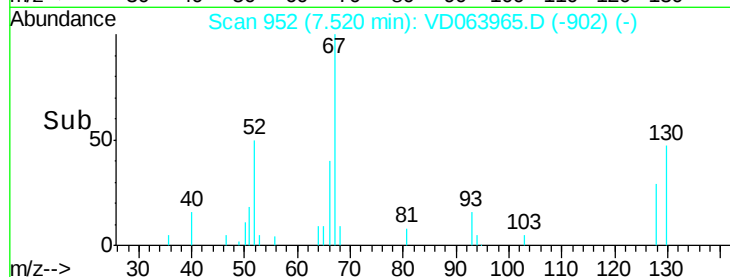
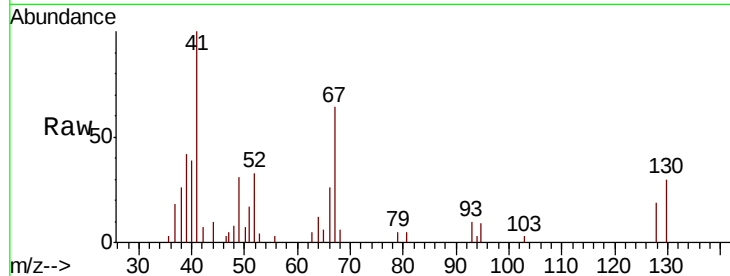
#41
Methacrylonitrile
Concen: 19.289 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion:	41	Resp:	11942
Ion	Ratio	Lower	Upper
41	100		
39	71.2	52.6	78.8
67	84.3	74.2	111.2
52	41.5	34.0	51.0

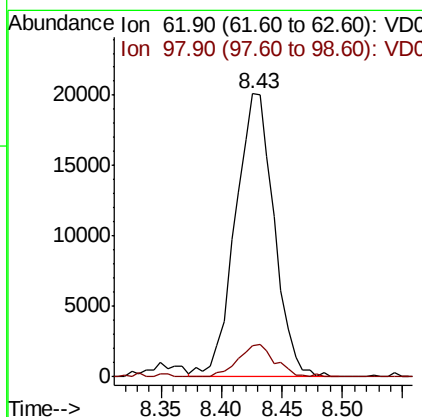
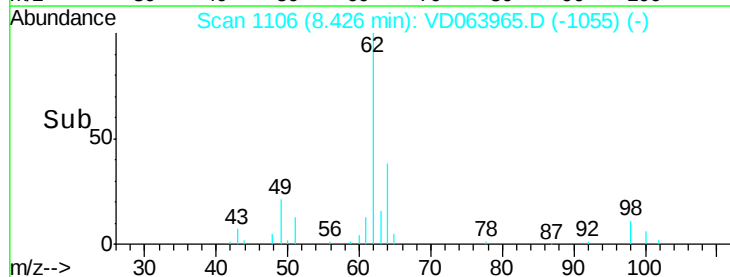
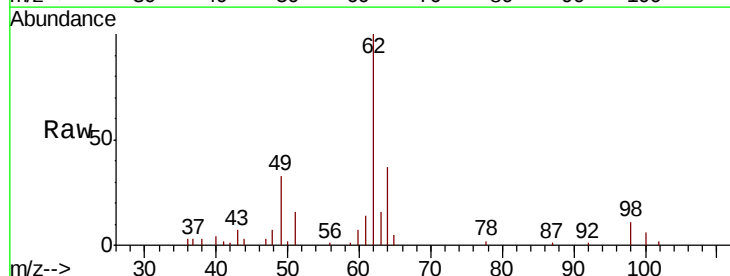
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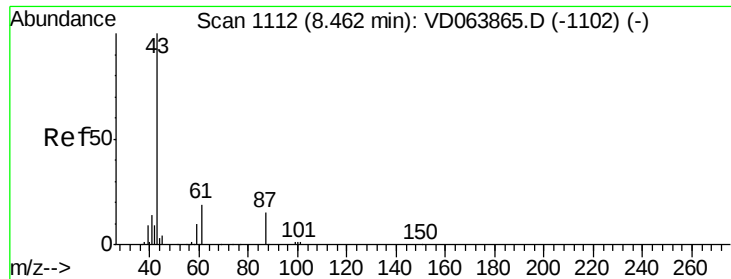
MMDadoda
10/18/2019 12:41:41 AM



#42
1,2-Dichloroethane
Concen: 20.315 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion:	62	Resp:	44969
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	20.0





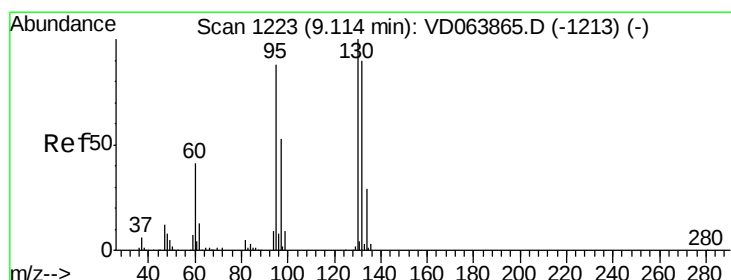
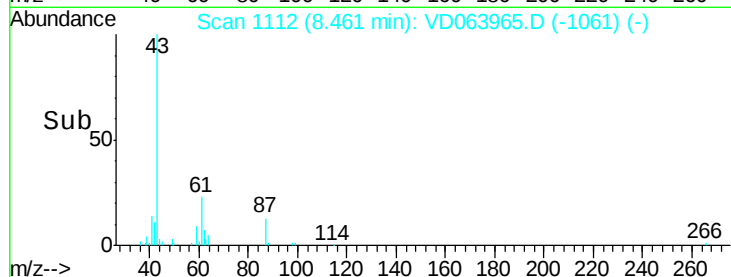
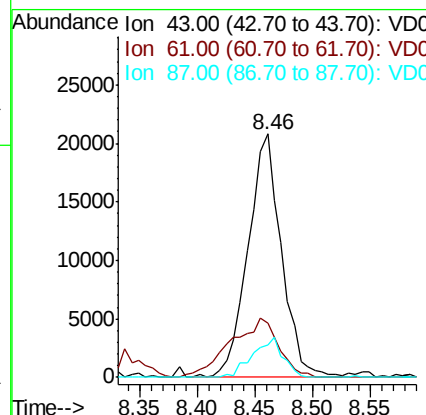
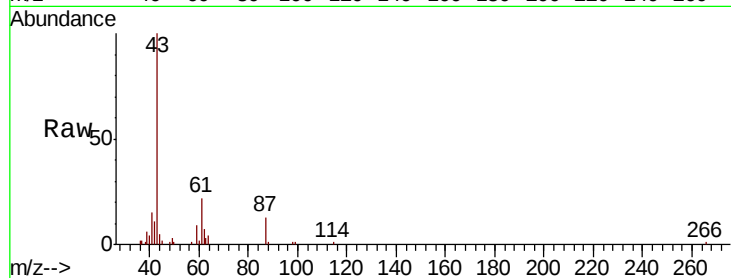
#43
Isopropyl Acetate
Concen: 18.773 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.7	25.7	38.5
87	14.8	11.6	17.4

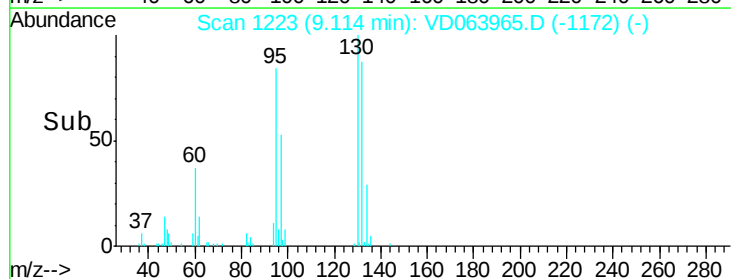
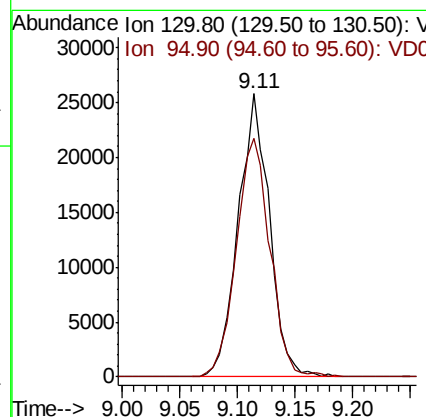
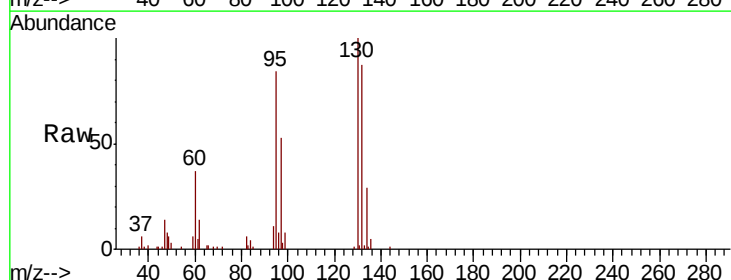
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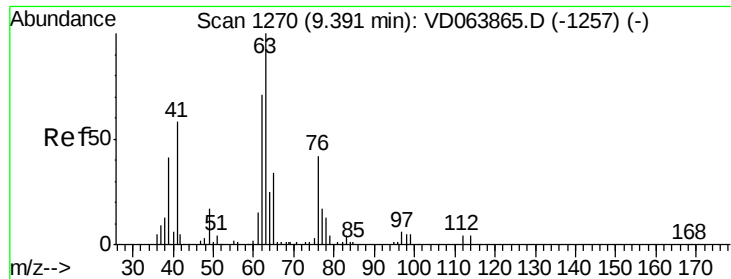
MMDadoda
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#44
Trichloroethene
Concen: 21.905 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	84.2	0.0	175.6





#45

1,2-Dichloropropane

Concen: 21.023 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 63 Resp: 39376

Ion Ratio Lower Upper

63 100

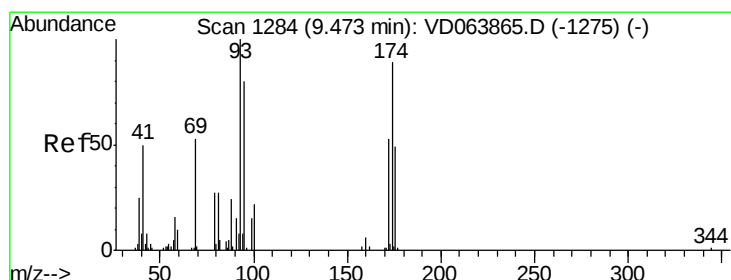
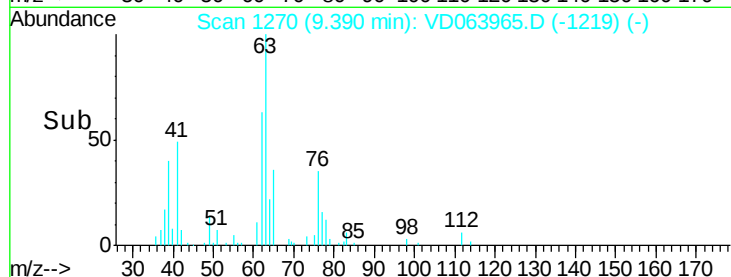
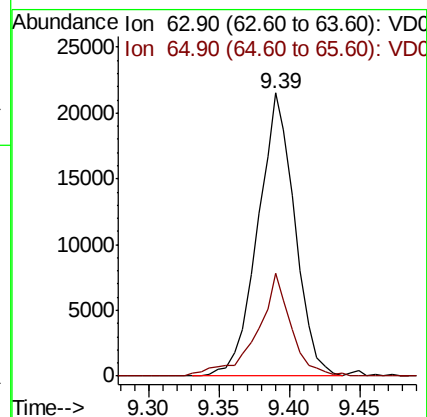
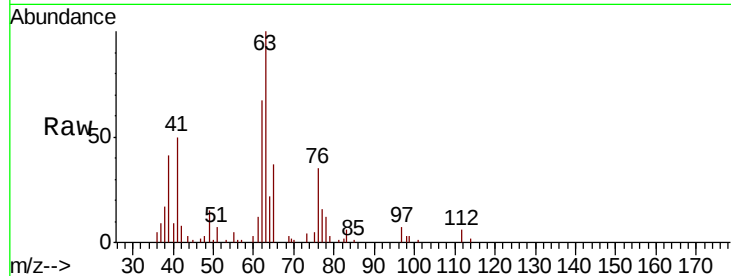
65 35.5 27.3 40.9

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#46

Dibromomethane

Concen: 20.648 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

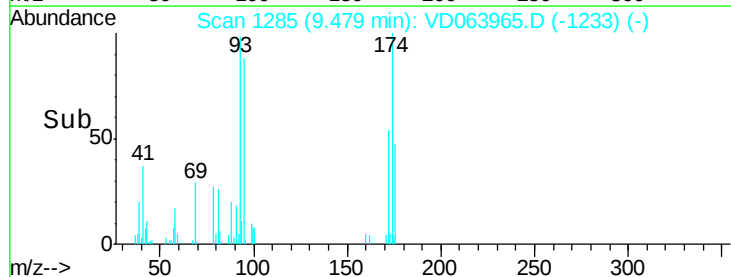
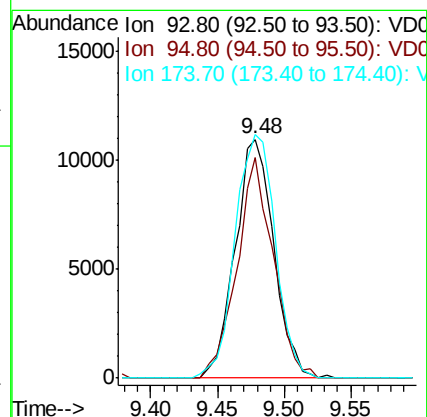
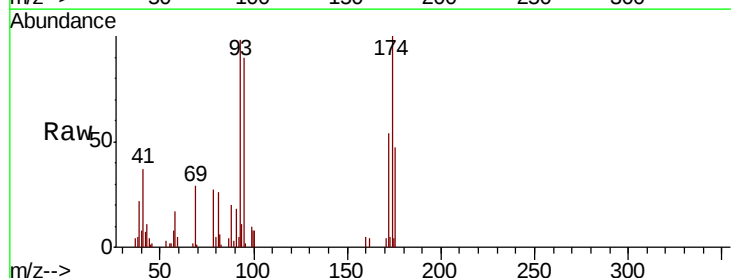
Tgt Ion: 93 Resp: 22025

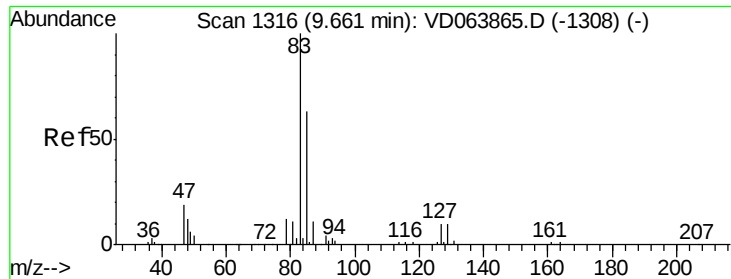
Ion Ratio Lower Upper

93 100

95 87.0 66.0 99.0

174 106.4 83.4 125.0





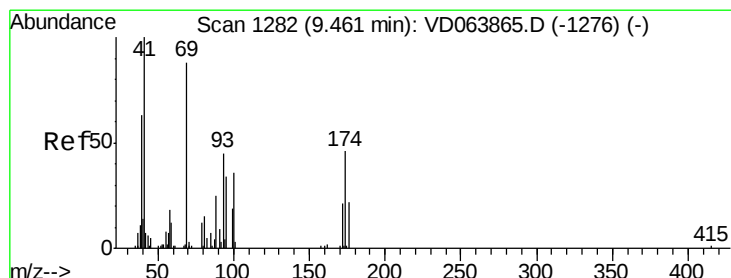
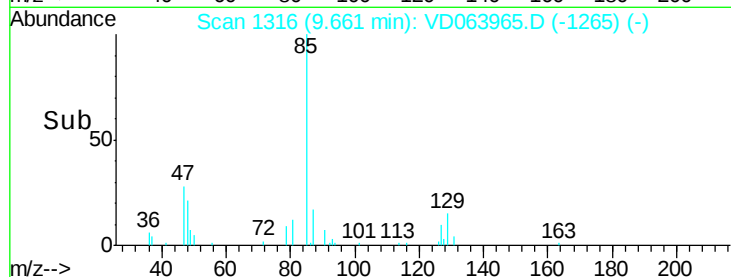
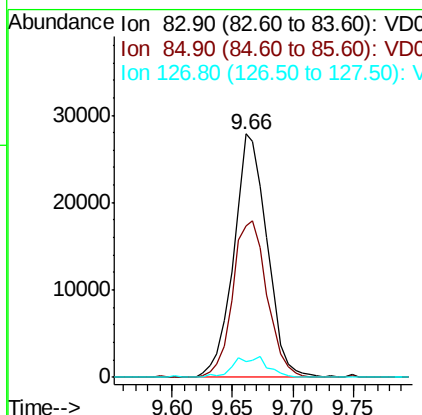
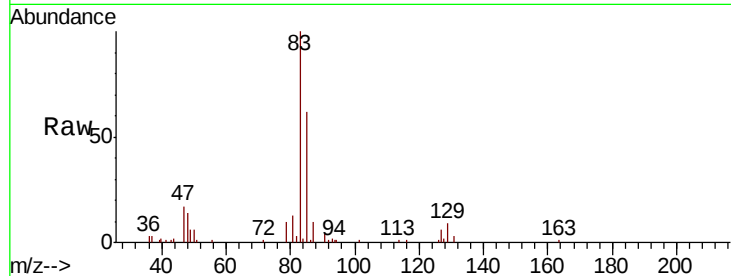
#47
Bromodichloromethane
Concen: 19.521 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	62.1	50.2	75.2
127	6.3	7.6	11.4

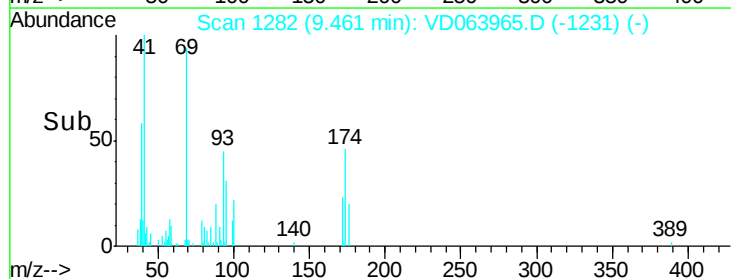
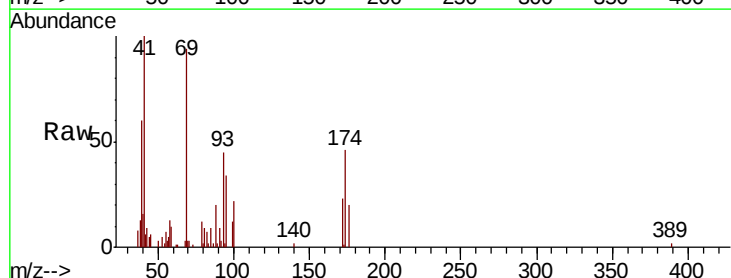
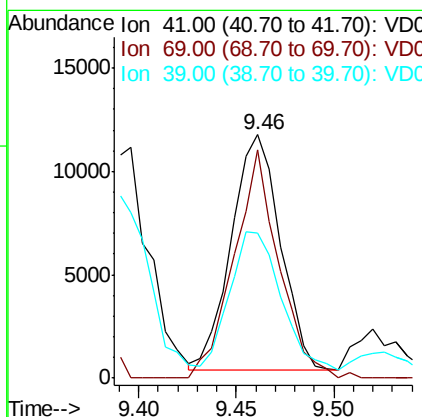
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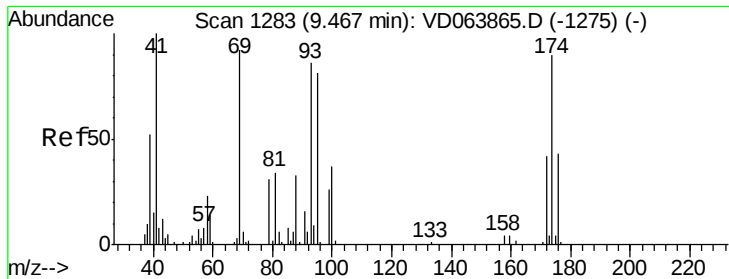
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#48
Methyl methacrylate
Concen: 18.520 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.8	75.1	112.7
39	62.1	50.2	75.2





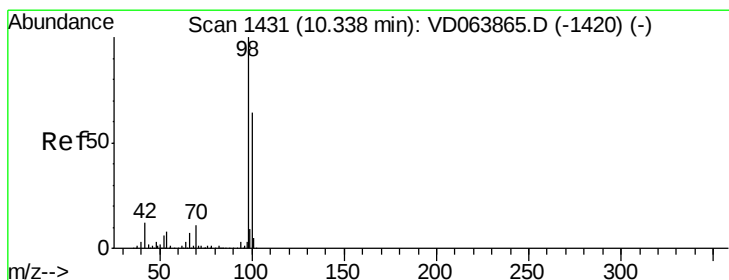
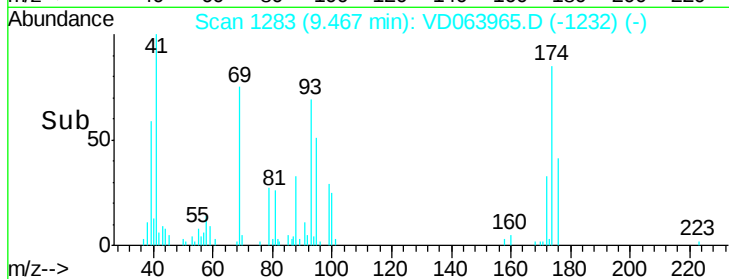
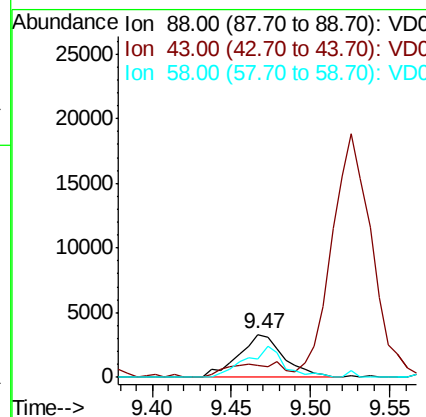
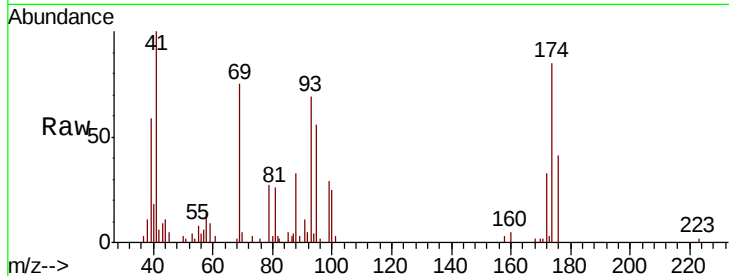
#49
1,4-Dioxane
Concen: 446.552 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.7	27.6	41.4
58	62.8	54.1	81.1

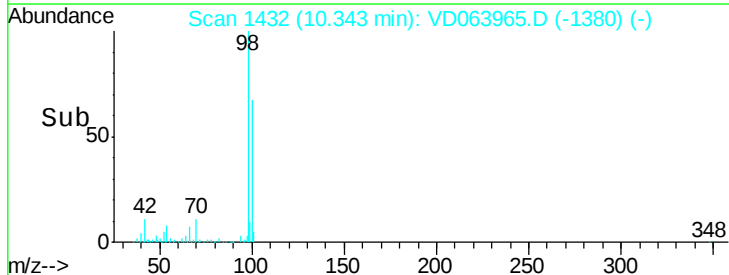
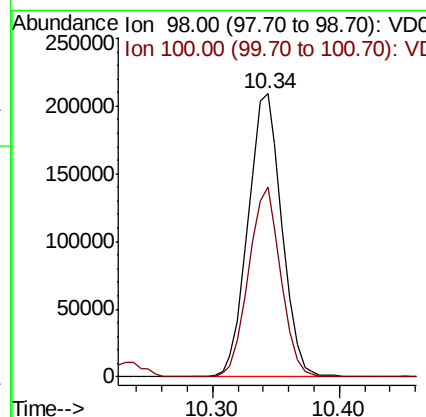
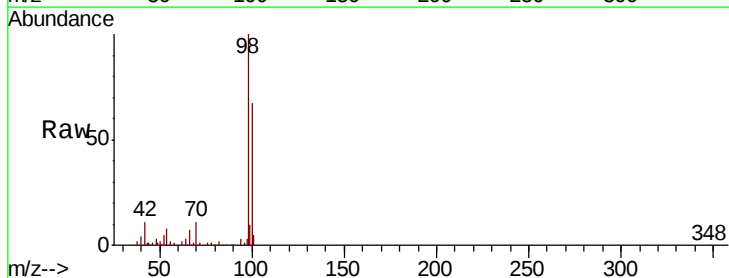
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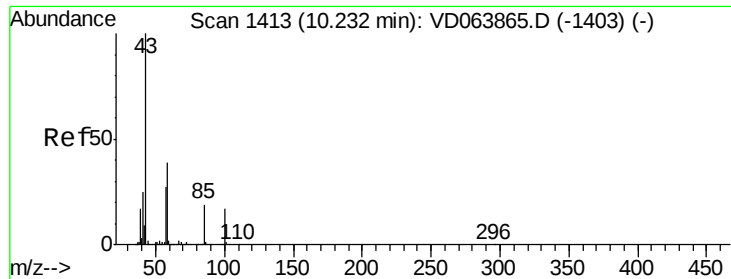
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#50
Toluene-d8
Concen: 53.420 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1





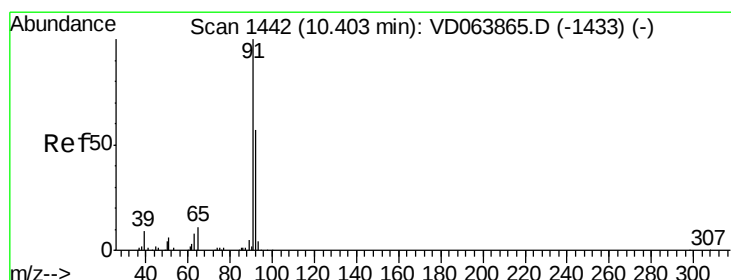
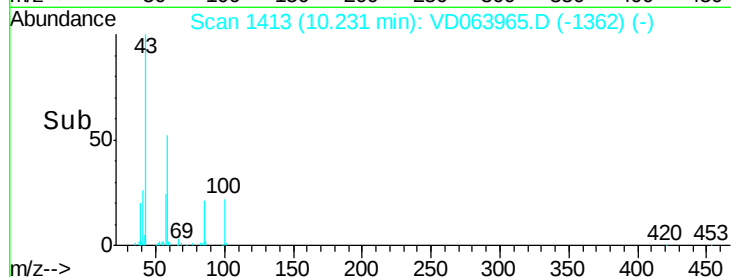
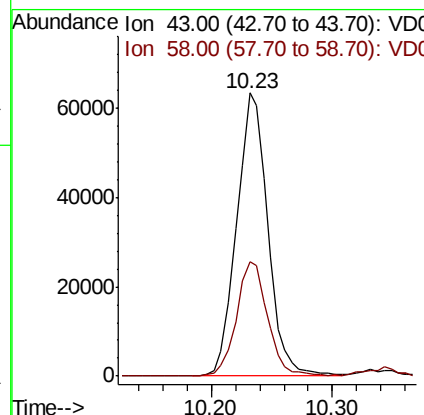
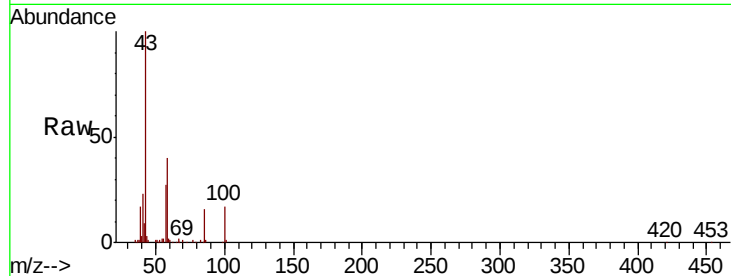
#51
4-Methyl-2-Pentanone
Concen: 98.375 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	43	Resp	114254
Ion Ratio	43	100	
Lower	58	40.3	33.0
Upper			49.4

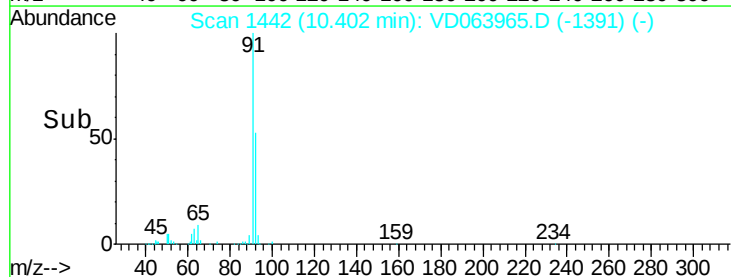
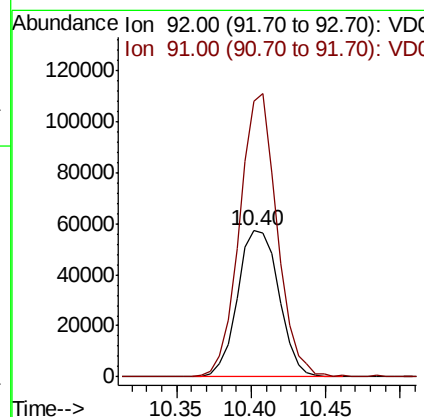
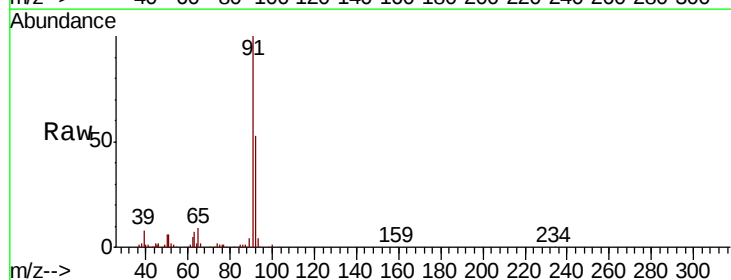
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#52
Toluene
Concen: 21.075 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion	92	Resp	110708
Ion Ratio	92	100	
Lower	91	174.6	139.5
Upper			209.3





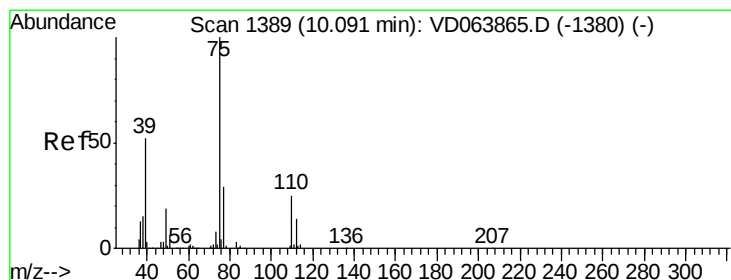
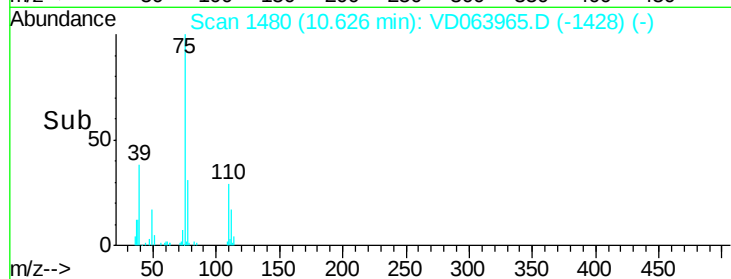
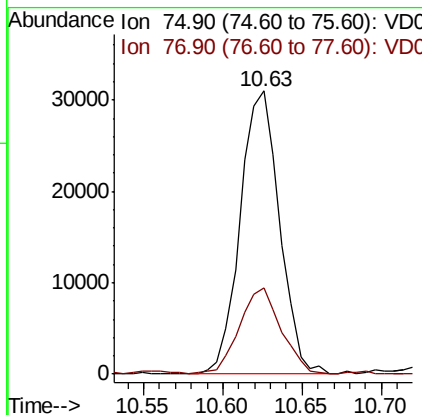
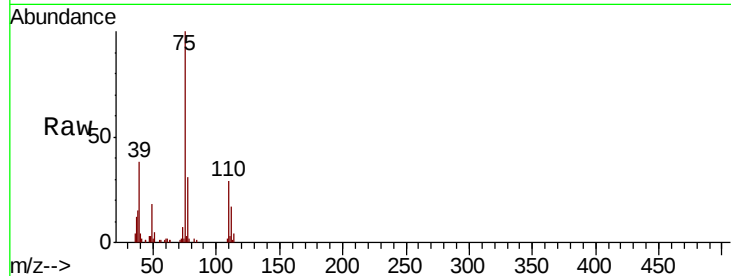
#53
t-1,3-Dichloropropene
Concen: 19.952 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion: 75 Resp: 53470
Ion Ratio Lower Upper
75 100
77 30.7 22.8 34.2

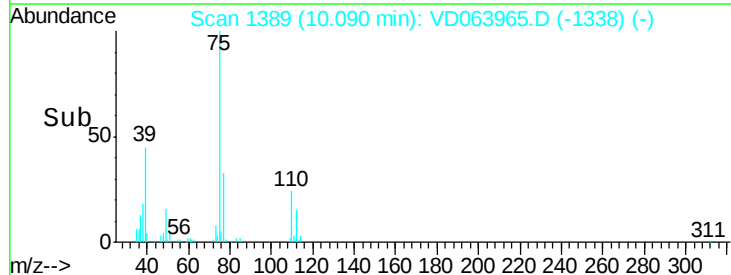
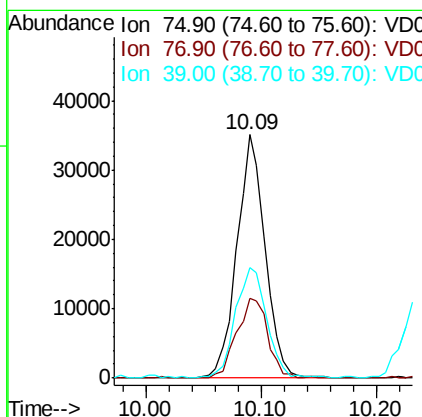
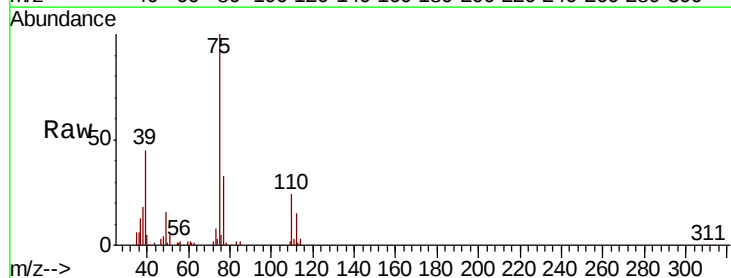
Manual Integrations
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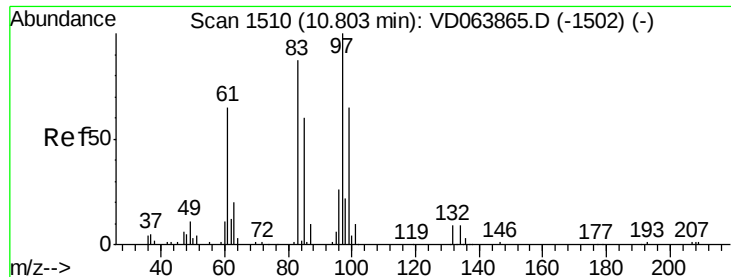
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#54
cis-1,3-Dichloropropene
Concen: 19.258 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion: 75 Resp: 59410
Ion Ratio Lower Upper
75 100
77 32.6 23.2 34.8
39 45.4 41.5 62.3





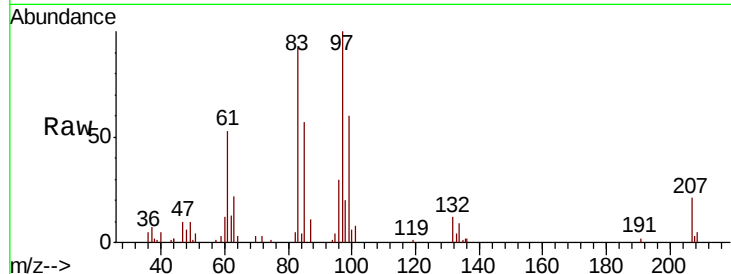
#55
 1,1,2-Trichloroethane
 Concen: 20.608 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	91.6	69.7	104.5
85	55.7	48.1	72.1
99	59.7	51.9	77.9

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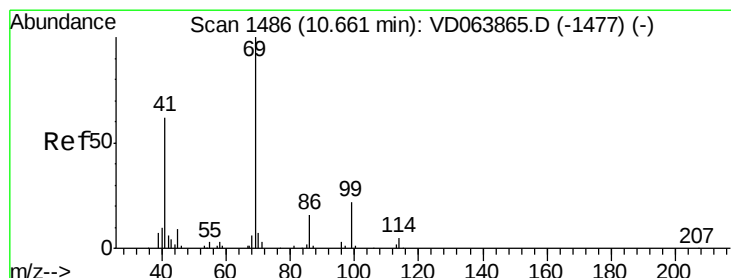
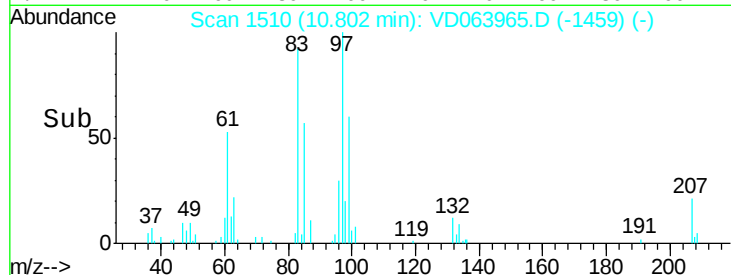
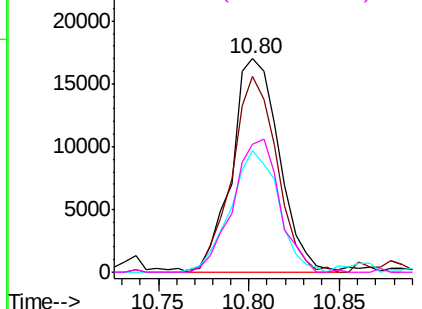
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

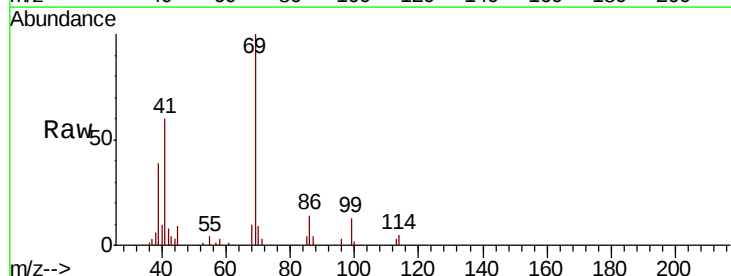
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 19.162 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
69	100		
41	62.3	51.3	76.9
39	38.3	28.0	42.0

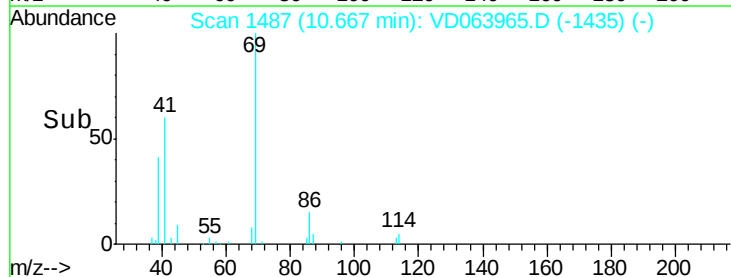
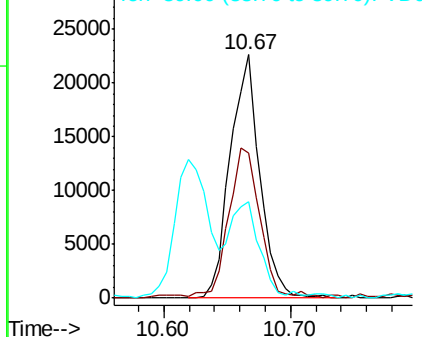


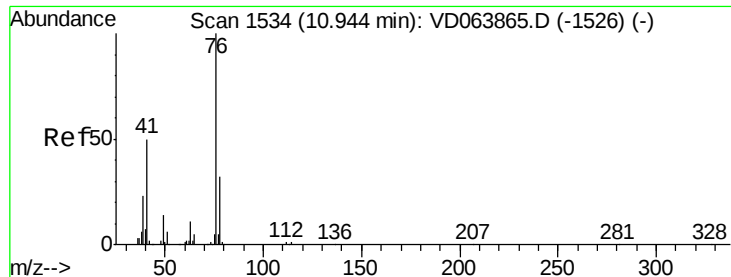
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





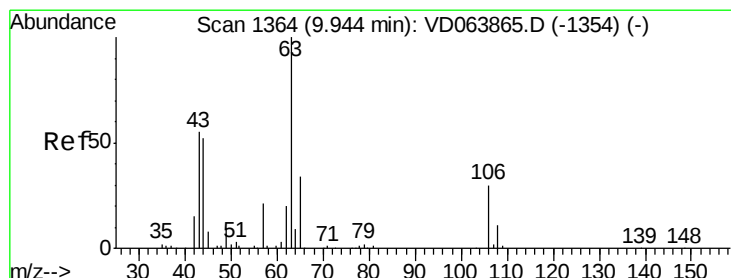
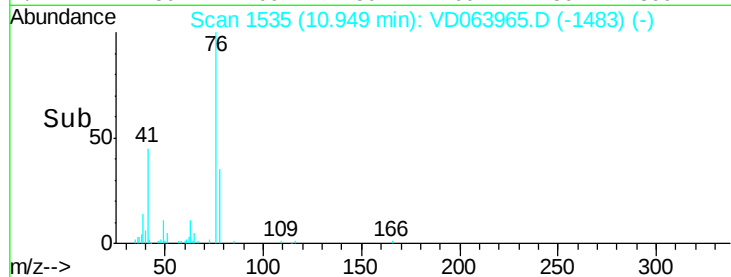
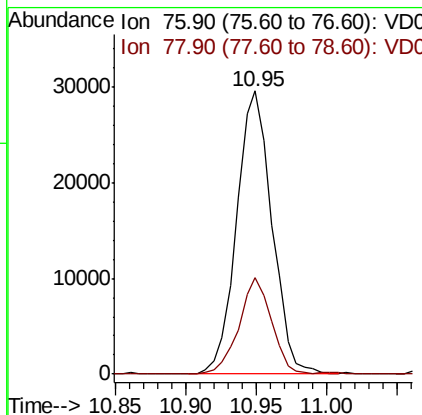
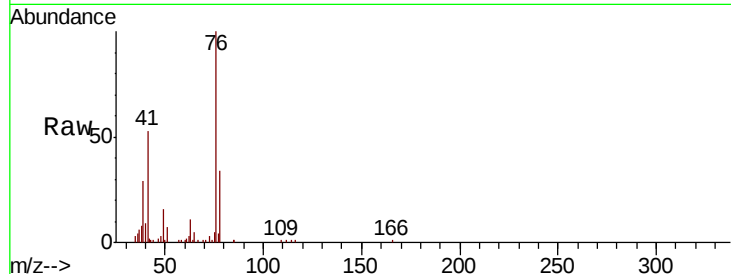
#57
 1,3-Dichloropropane
 Concen: 20.087 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.3	26.6	40.0

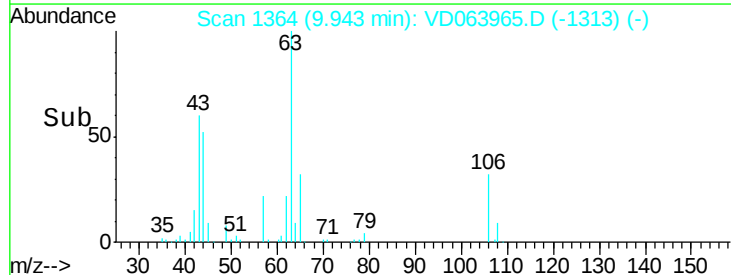
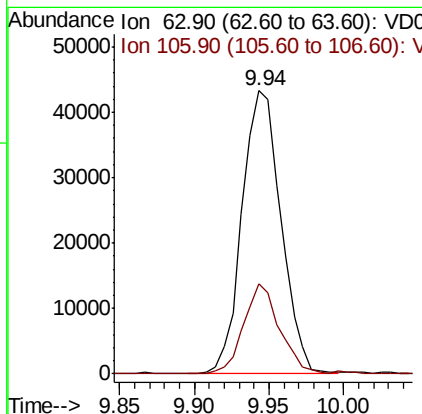
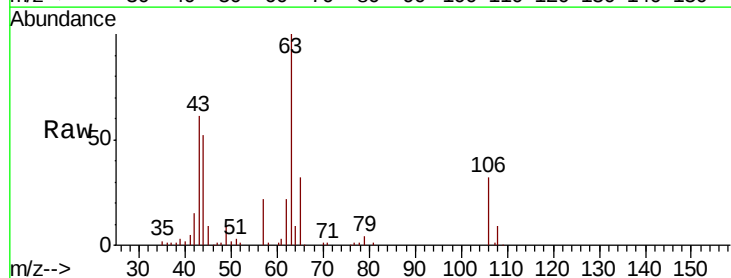
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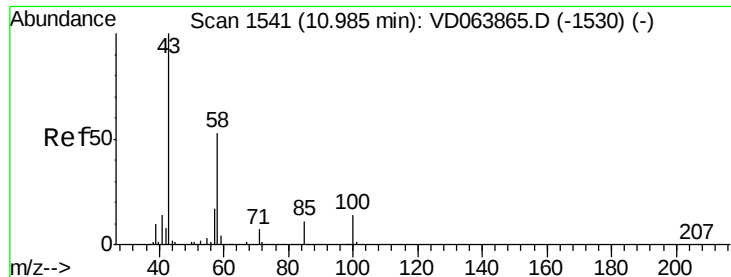
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#58
 2-Chloroethyl Vinyl ether
 Concen: 95.601 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.2	24.3	36.5





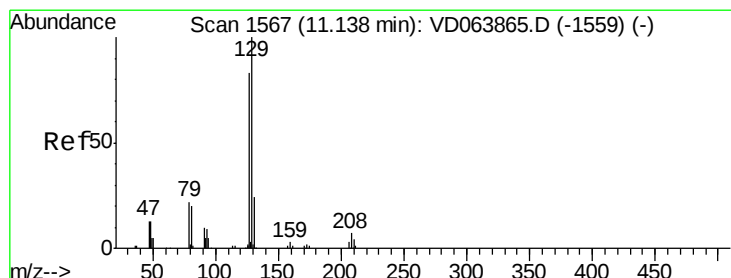
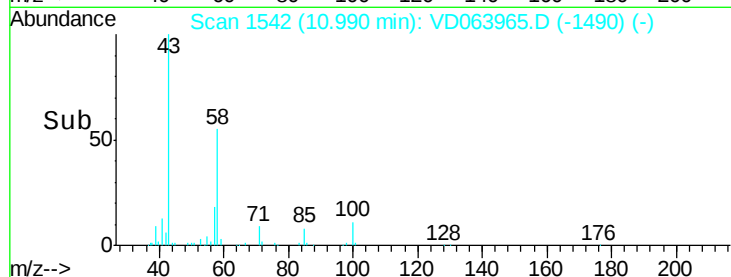
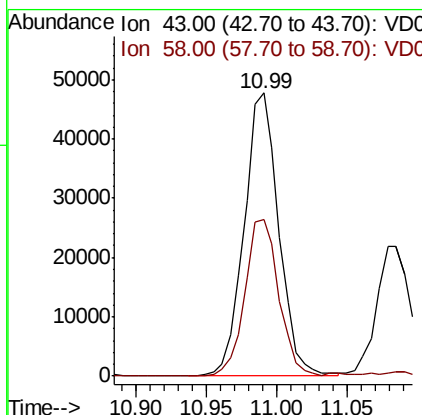
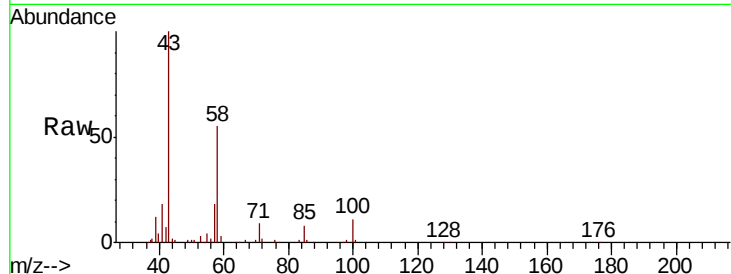
#59
2-Hexanone
Concen: 98.090 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion: 43 Resp: 82408
Ion Ratio Lower Upper
43 100
58 54.1 27.7 83.0

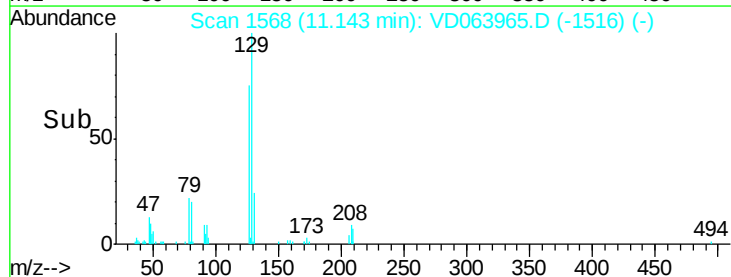
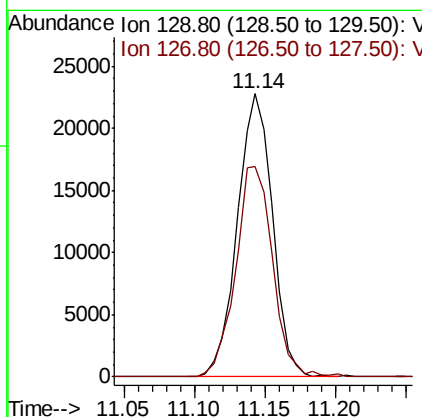
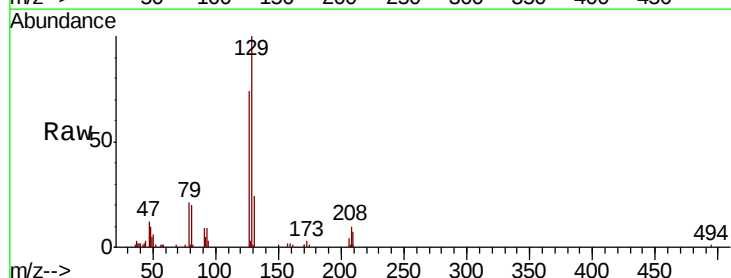
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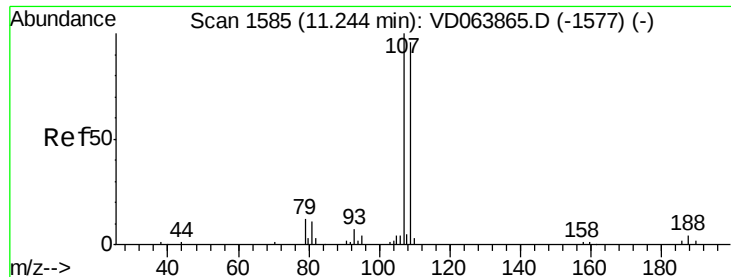
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#60
Dibromochloromethane
Concen: 20.181 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion: 129 Resp: 39571
Ion Ratio Lower Upper
129 100
127 78.5 39.9 119.6





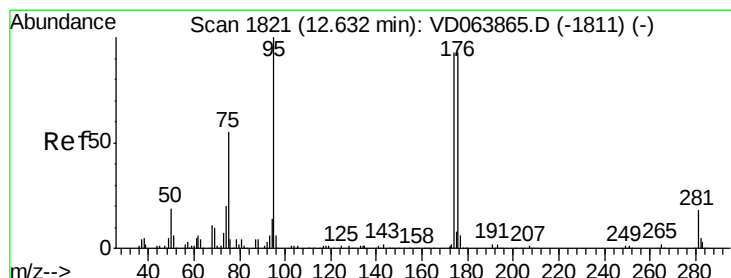
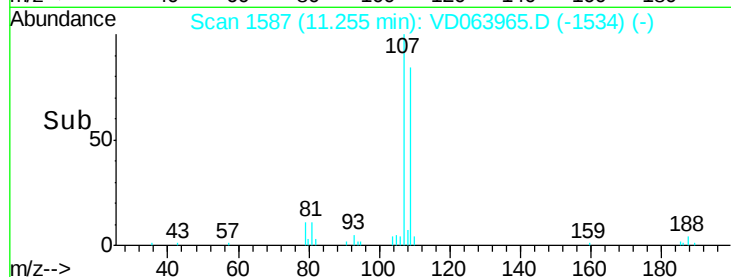
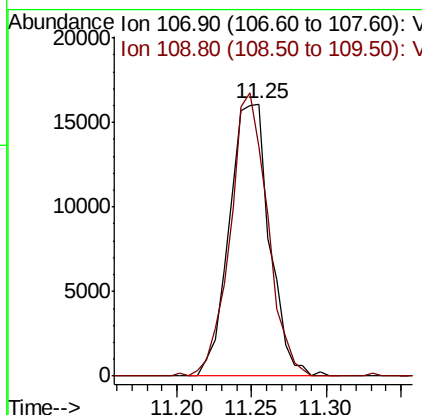
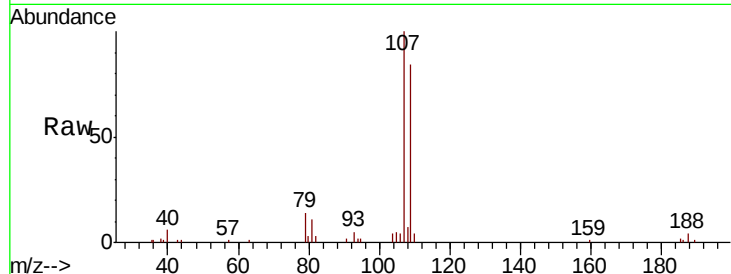
#61
 1,2-Dibromoethane
 Concen: 20.743 ug/l
 RT: 11.25 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.6	75.2	112.8

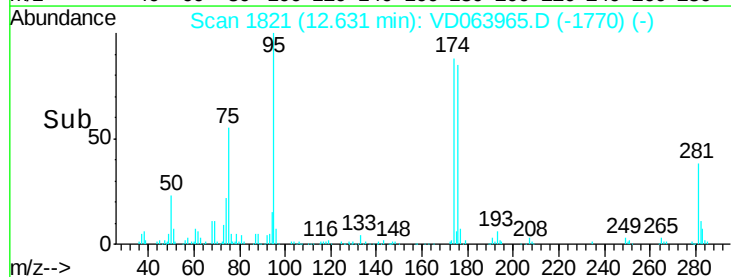
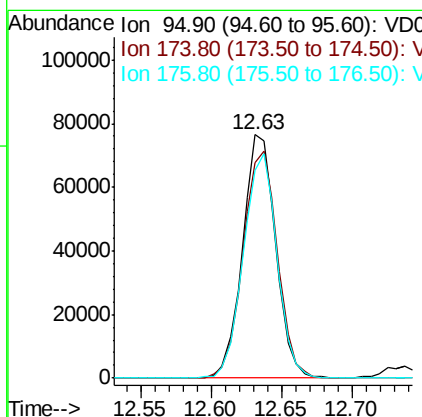
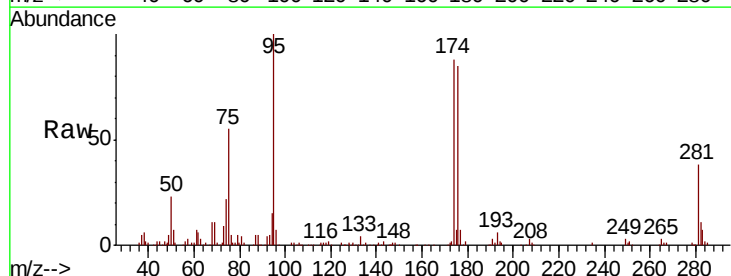
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#62
 4-Bromofluorobenzene
 Concen: 49.877 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	97.1	0.0	186.4
176	93.8	0.0	184.2





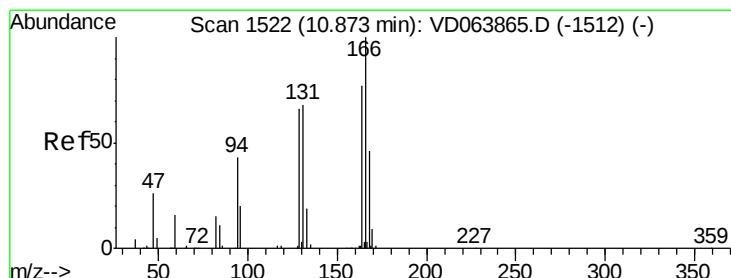
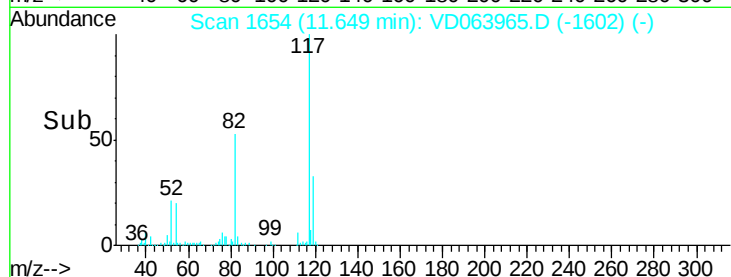
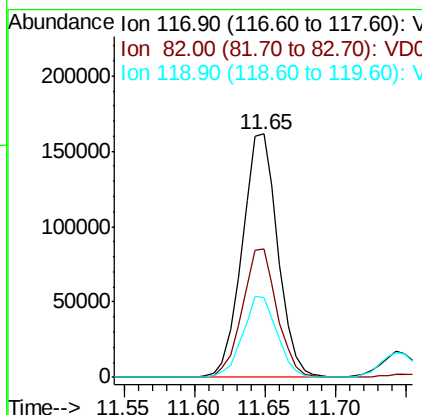
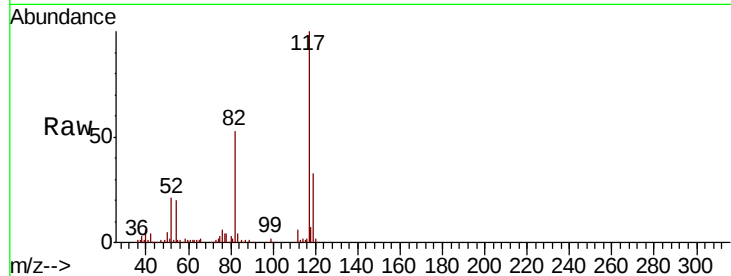
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.8	64.2
119	33.0	24.4	36.6

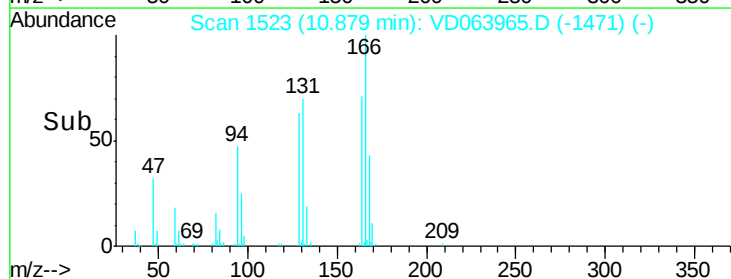
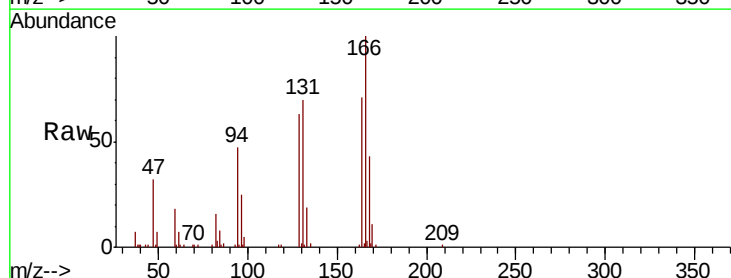
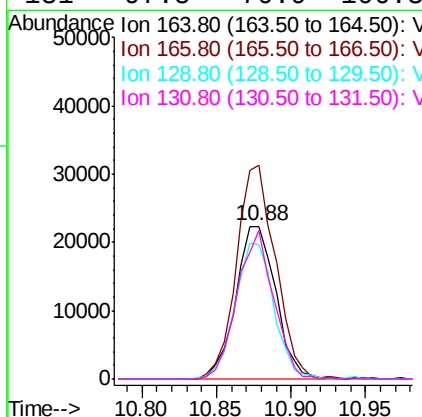
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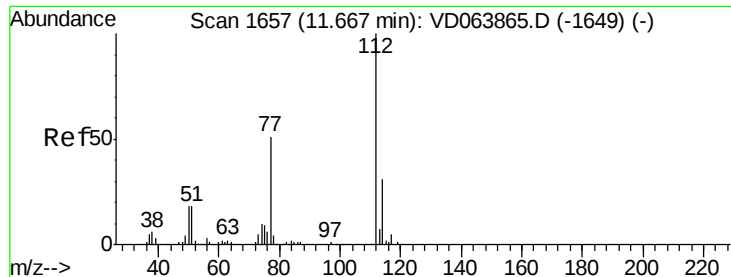
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#64
Tetrachloroethene
Concen: 21.316 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
164	100		
166	139.9	103.8	155.6
129	87.7	68.9	103.3
131	97.5	70.9	106.3





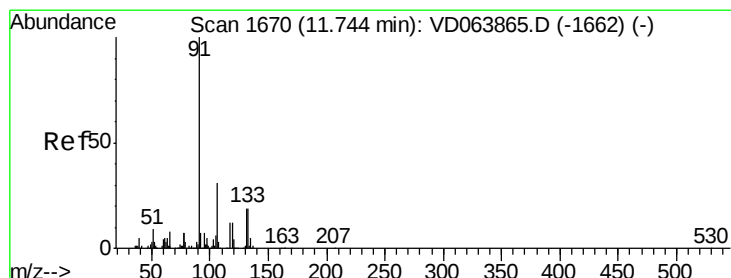
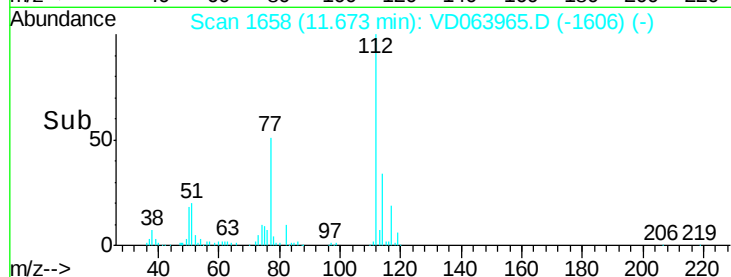
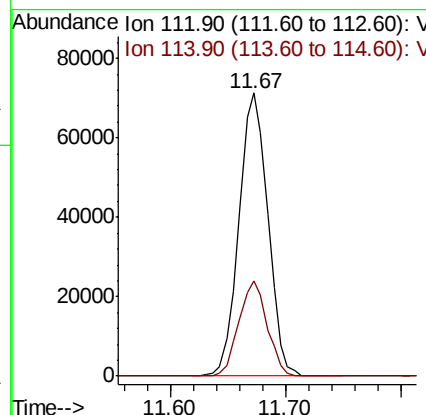
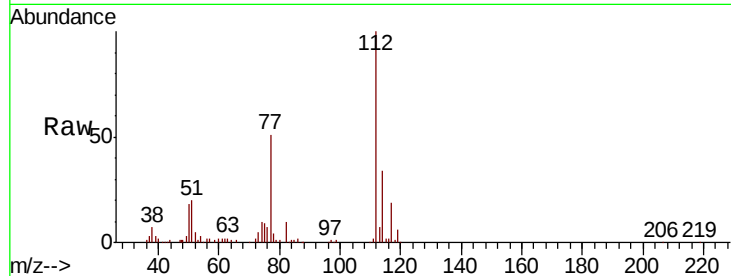
#65
Chlorobenzene
Concen: 21.639 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	123877		
114	33.7	25.1	37.7	

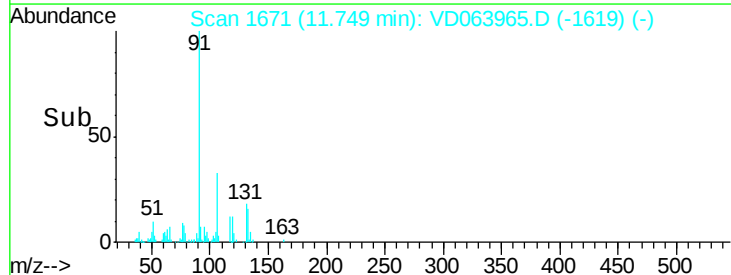
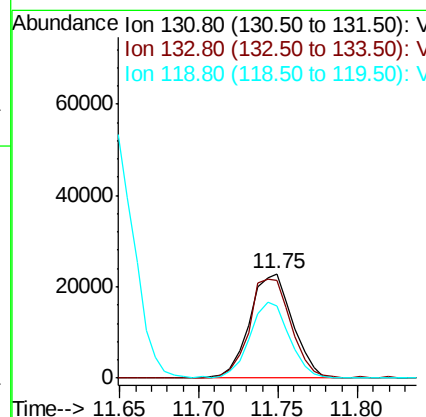
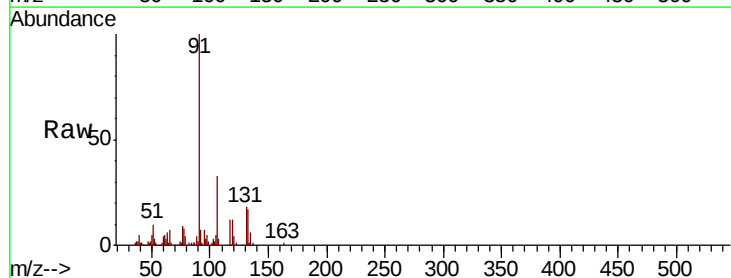
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.392 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	43015		
133	92.2	48.9	146.7	
119	67.7	32.6	97.8	





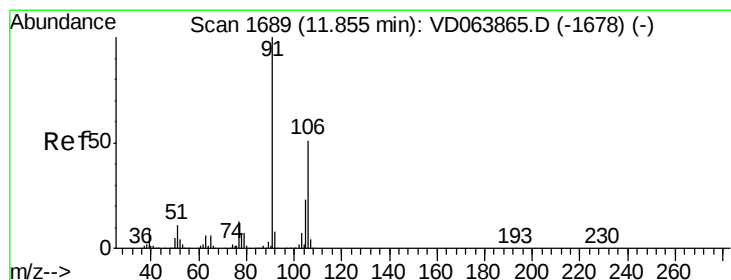
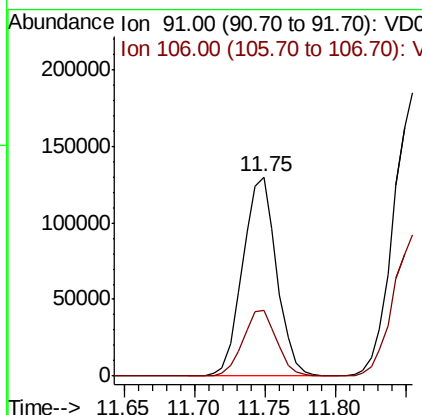
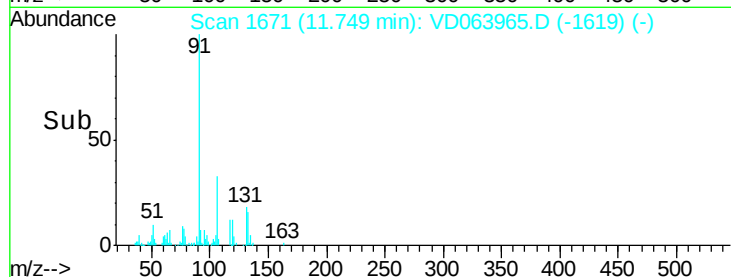
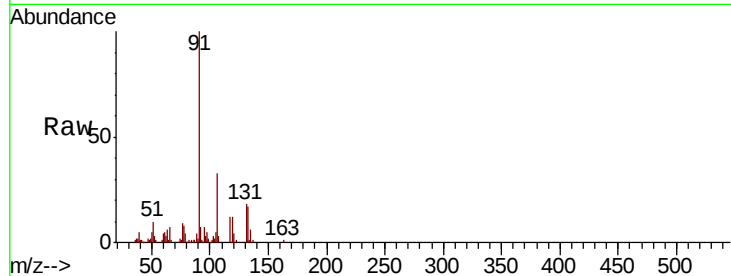
#67
Ethyl Benzene
Concen: 21.260 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion: 91 Resp: 219461
Ion Ratio Lower Upper
91 100
106 32.8 24.6 37.0

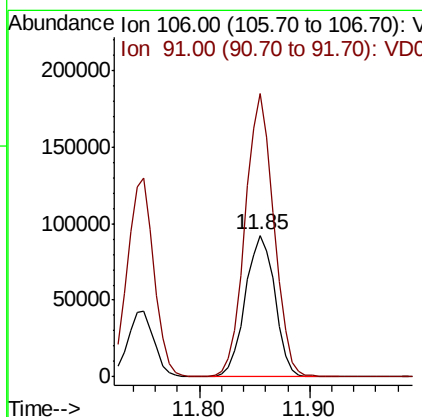
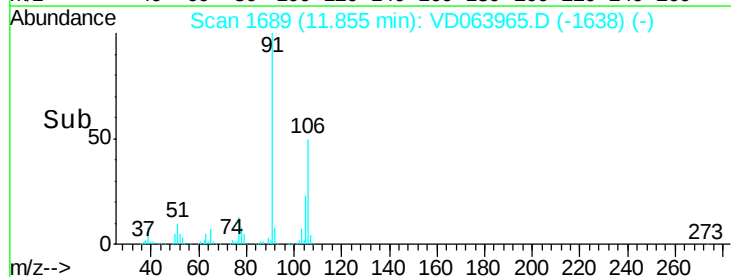
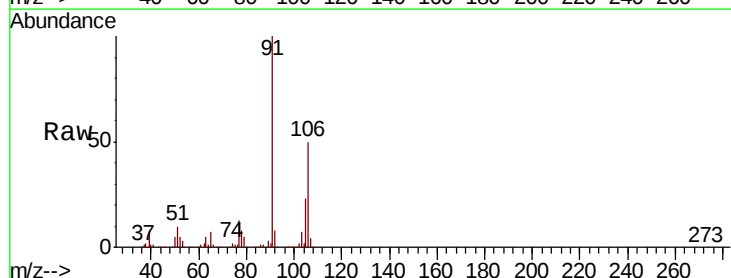
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#68
m/p-Xylenes
Concen: 44.007 ug/l
RT: 11.85 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion: 106 Resp: 175339
Ion Ratio Lower Upper
106 100
91 192.4 154.8 232.2





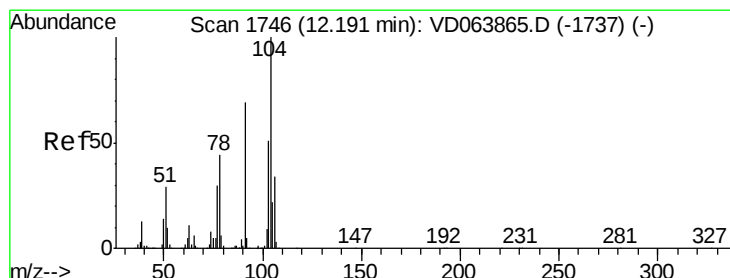
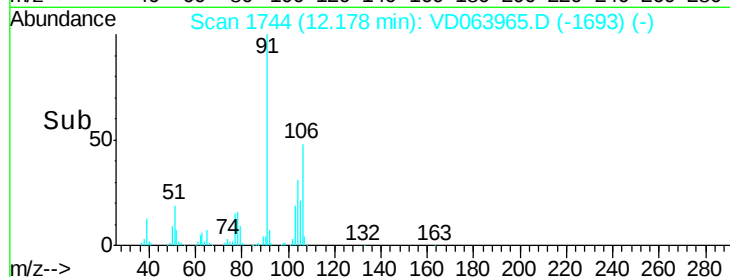
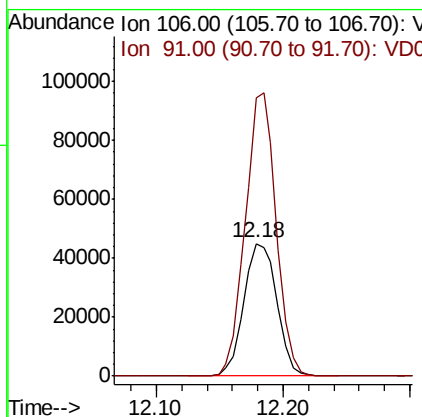
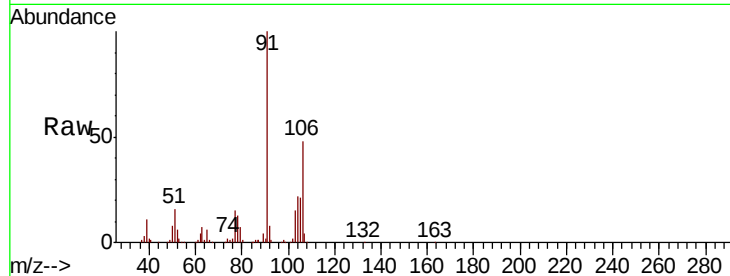
#69
o-Xylene
Concen: 21.365 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	200.1	103.9	311.7

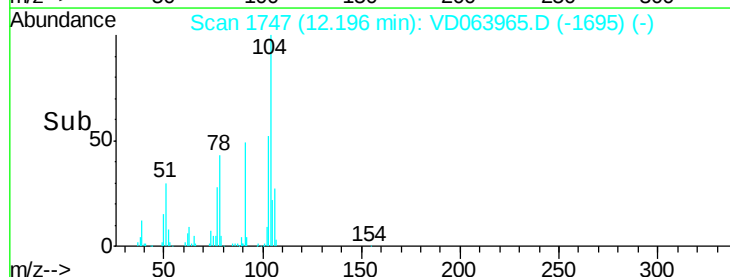
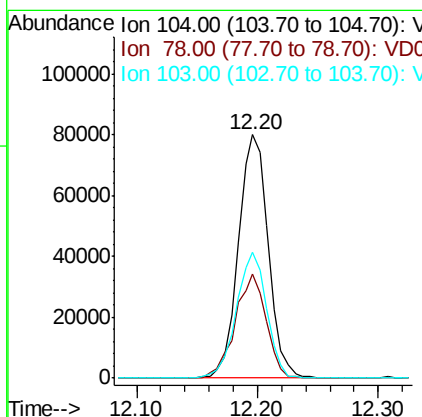
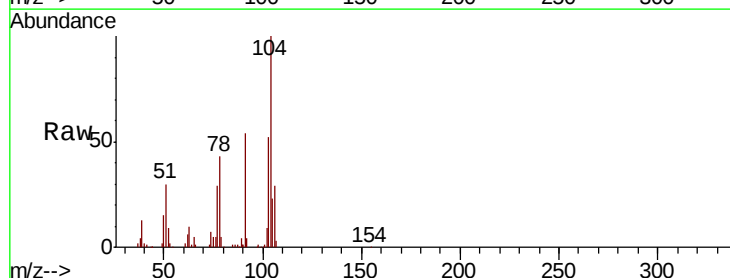
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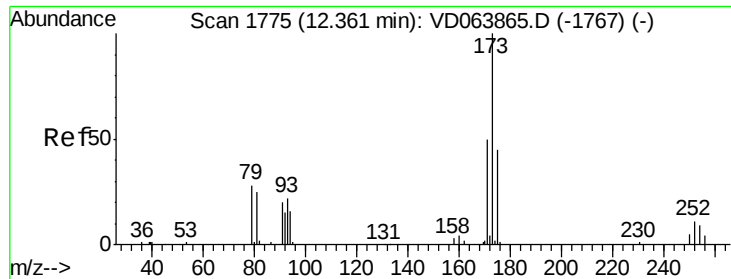
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#70
Styrene
Concen: 21.284 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
104	100		
78	44.6	37.0	55.4
103	52.7	44.2	66.4





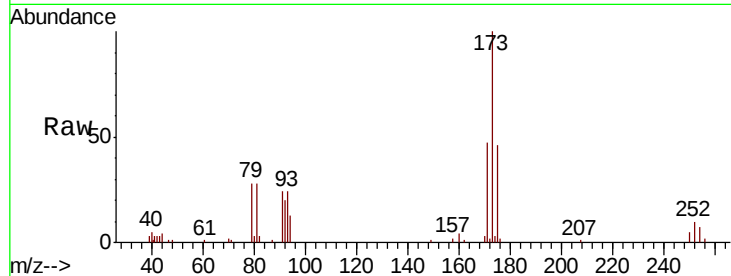
#71
Bromoform
Concen: 21.021 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

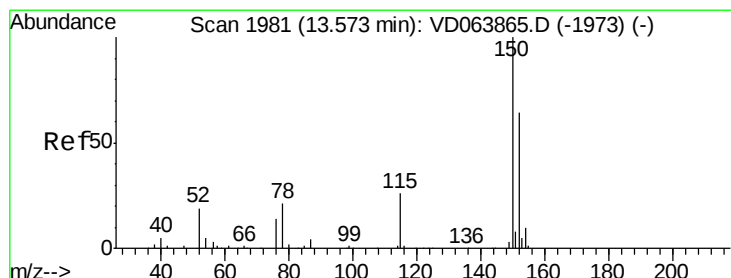
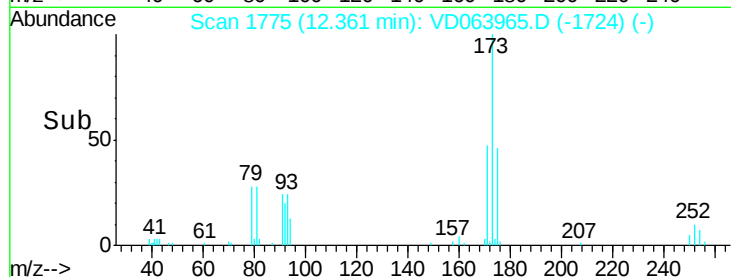
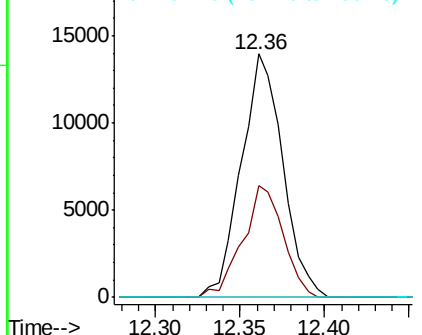
Tot Ion	Ratio	Lower	Upper
173	100		
175	44.8	24.6	74.0
254	0.0	0.0	0.0

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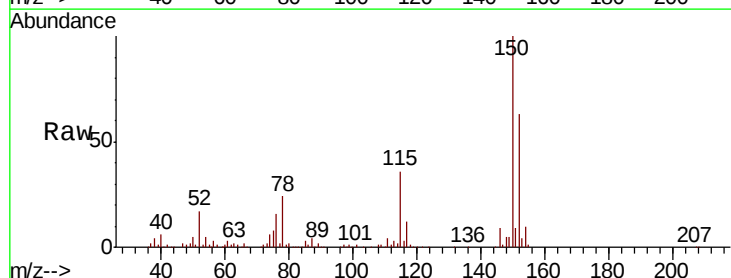


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

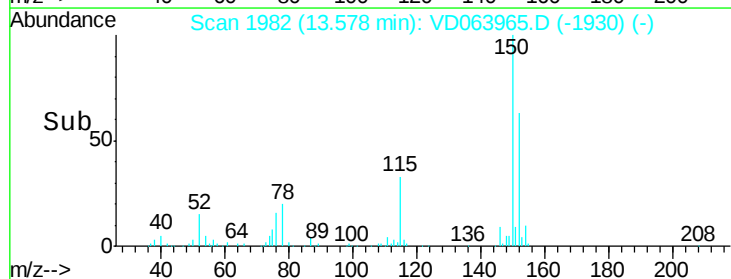
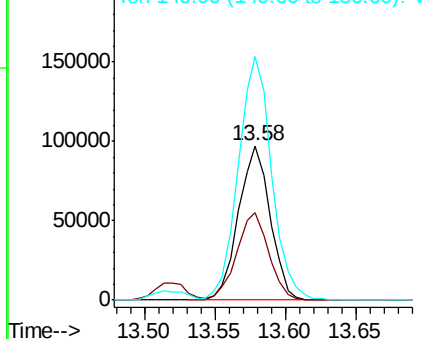


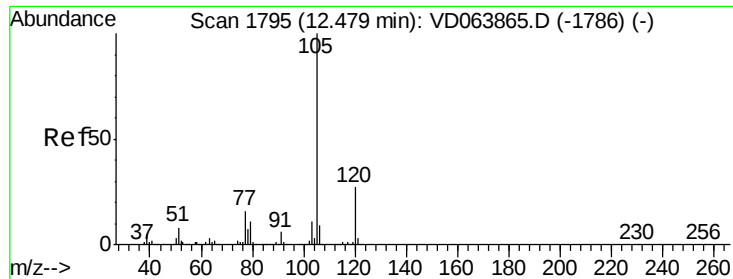
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.3	25.9	77.7
150	166.0	0.0	344.2



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





#73

Isopropylbenzene

Concen: 21.489 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 105 Resp: 220413

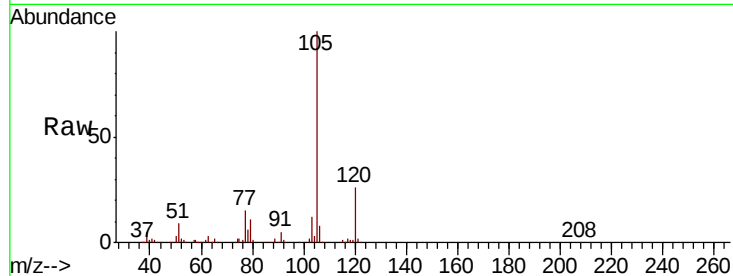
Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

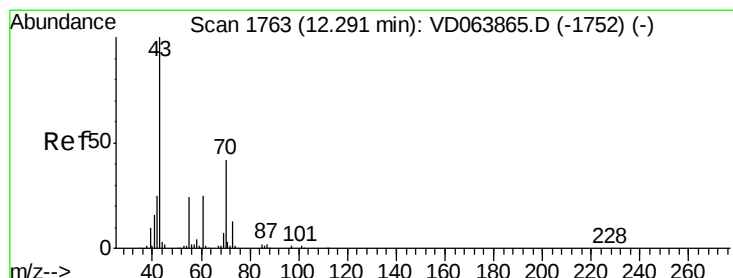
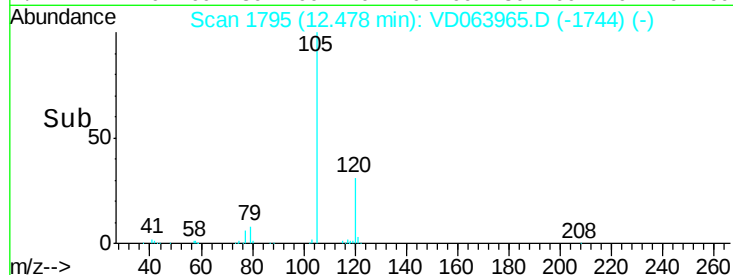
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.125 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Tgt Ion: 43 Resp: 42234

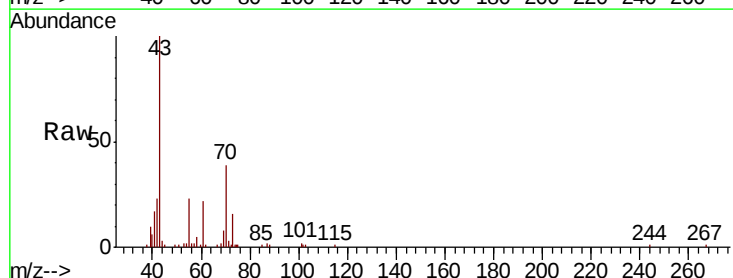
Ion Ratio Lower Upper

43 100

70 41.7 35.8 53.6

55 23.8 19.4 29.0

61 23.8 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

40000

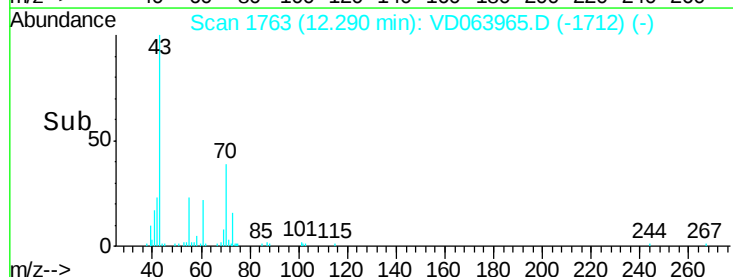
30000

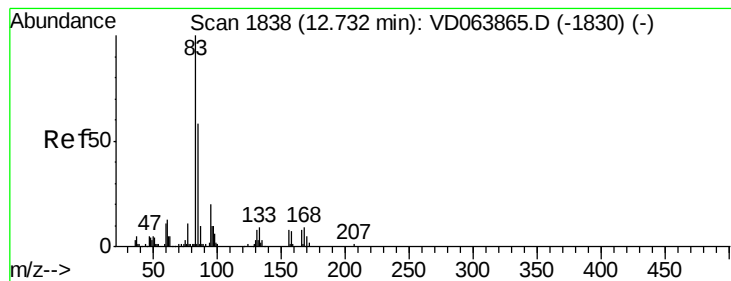
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.830 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion: 83 Resp: 35393

Ion Ratio Lower Upper

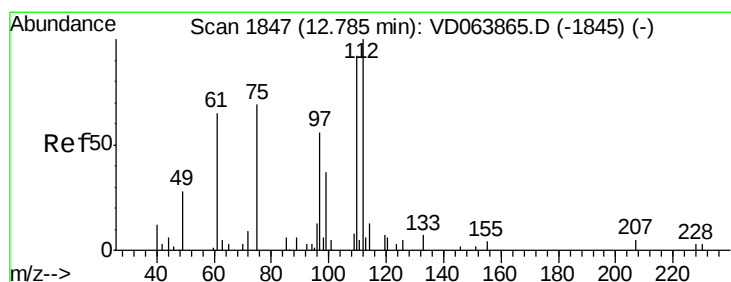
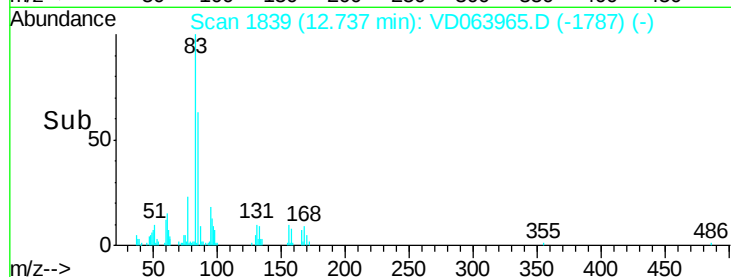
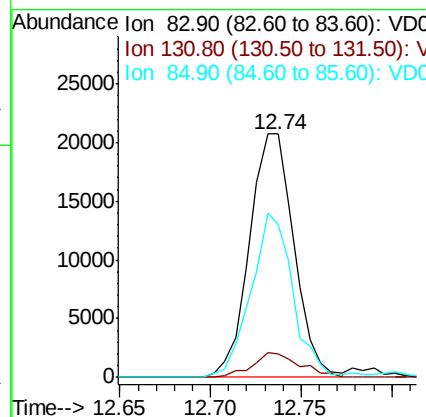
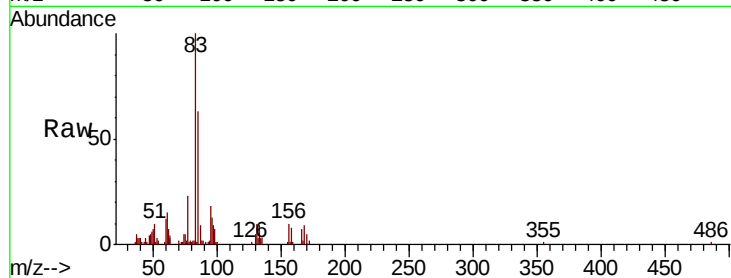
83 100

131 11.0 5.6 16.8

85 63.3 32.3 96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.488 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD063965.D

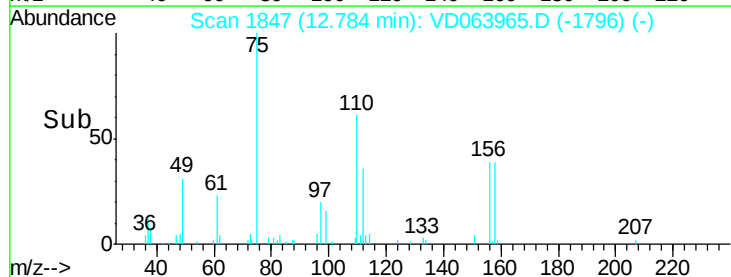
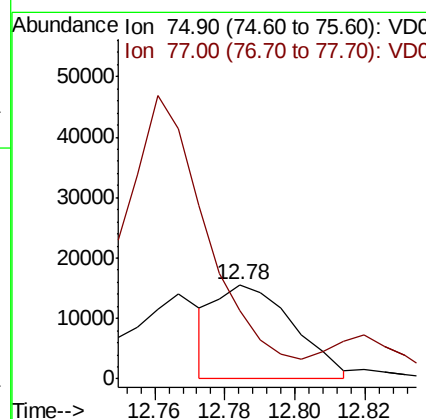
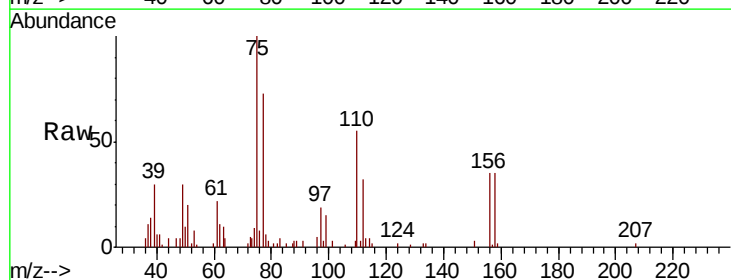
Acq: 15 Oct 2019 12:03

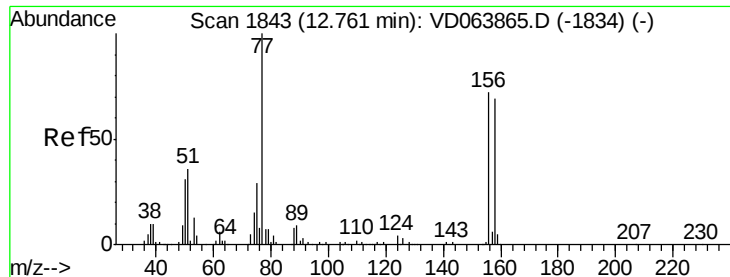
Tgt Ion: 75 Resp: 24002

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.210 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion:156 Resp: 51646

Ion Ratio Lower Upper

156 100

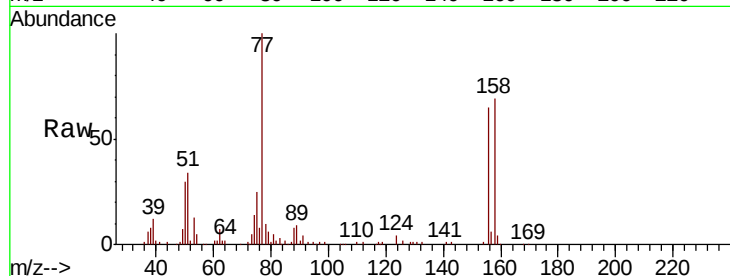
77 158.5 80.3 241.0

158 100.2 47.4 142.2

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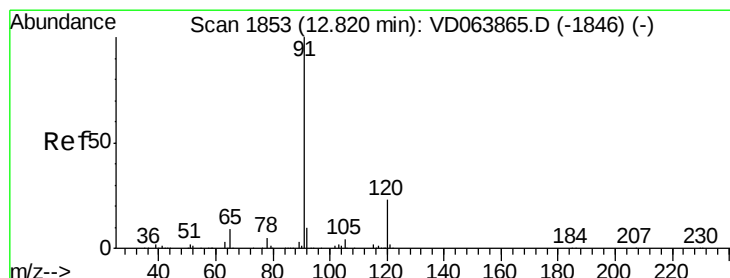
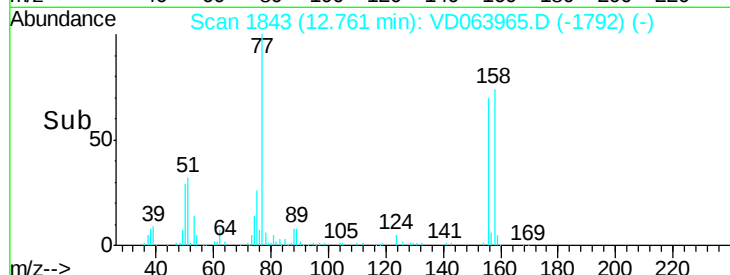
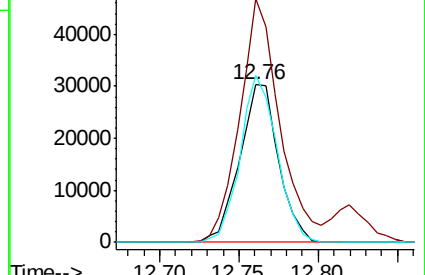
10/18/2019 12:41:41 AM



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: 22.357 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063965.D

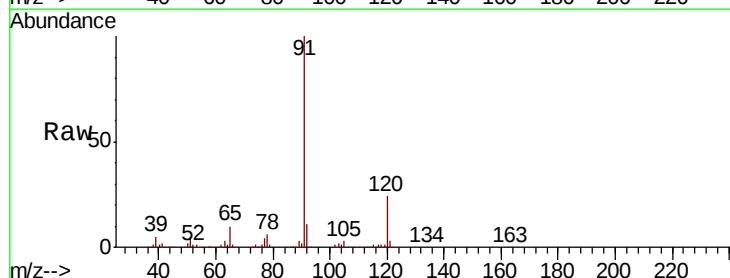
Acq: 15 Oct 2019 12:03

Tgt Ion: 91 Resp: 269168

Ion Ratio Lower Upper

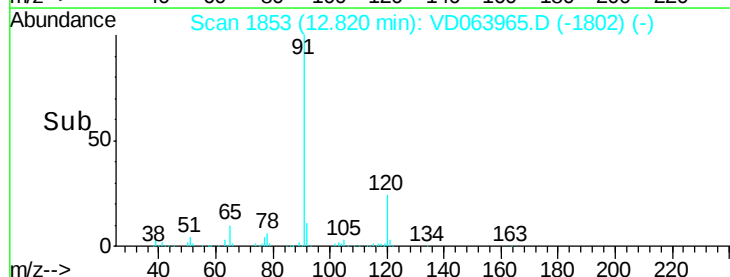
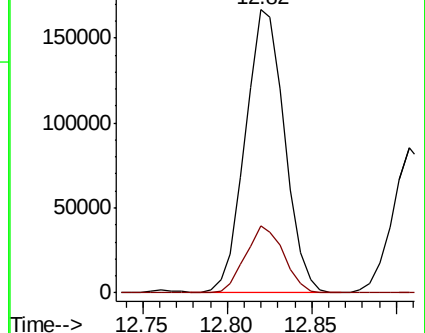
91 100

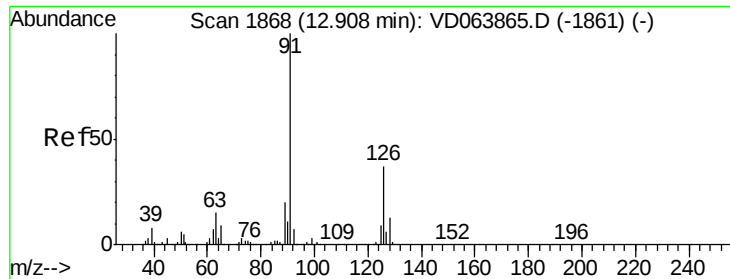
120 23.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





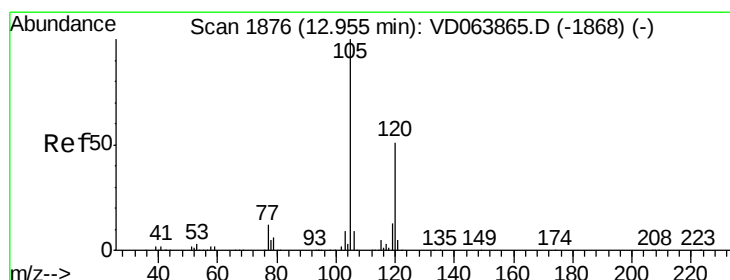
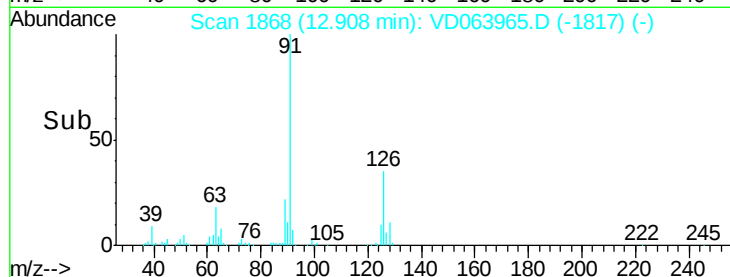
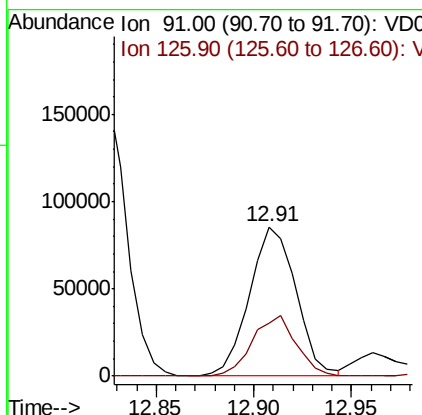
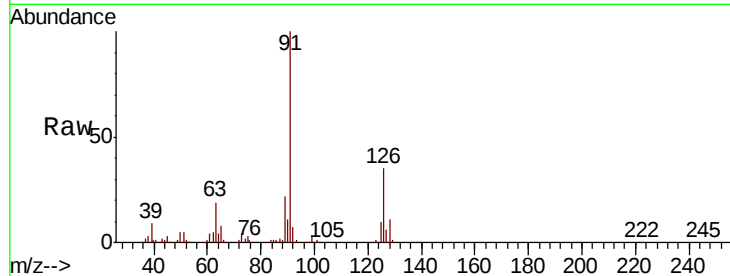
#79
2-Chlorotoluene
Concen: 21.379 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion: 91 Resp: 141927
Ion Ratio Lower Upper
91 100
126 38.1 18.4 55.2

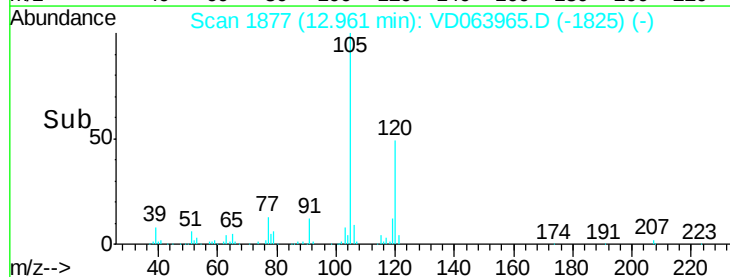
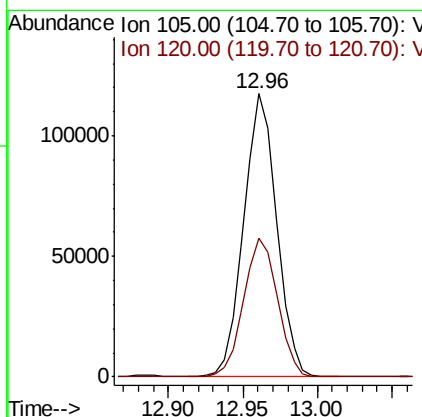
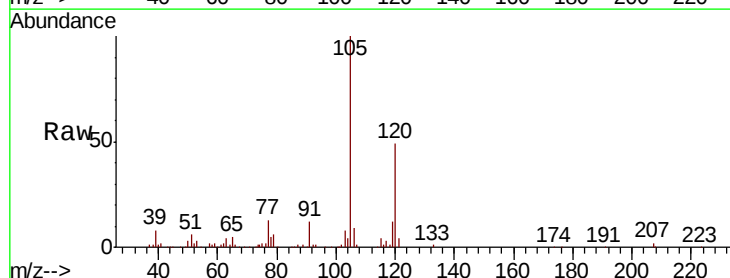
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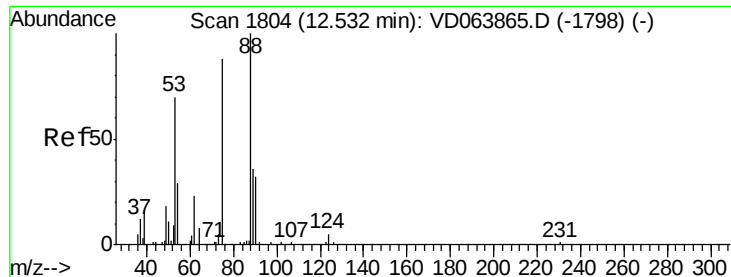
MMDadoda
10/18/2019 12:41:41 AM



#80
1,3,5-Trimethylbenzene
Concen: 20.994 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion: 105 Resp: 179644
Ion Ratio Lower Upper
105 100
120 50.2 25.9 77.8





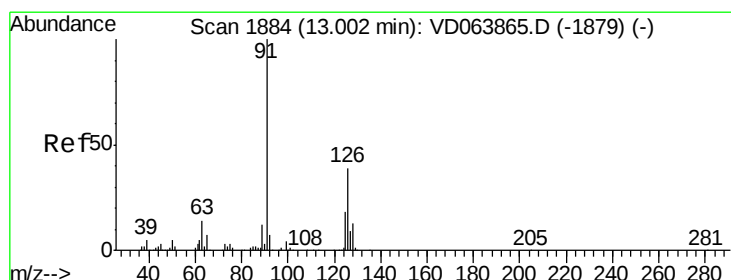
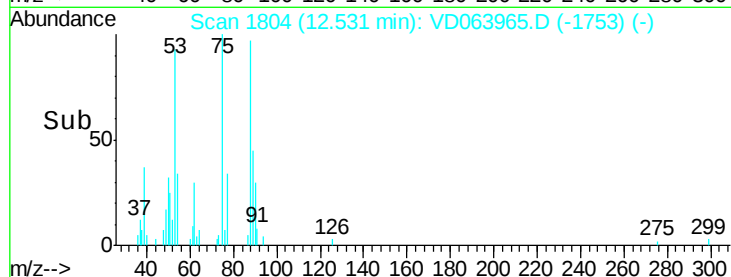
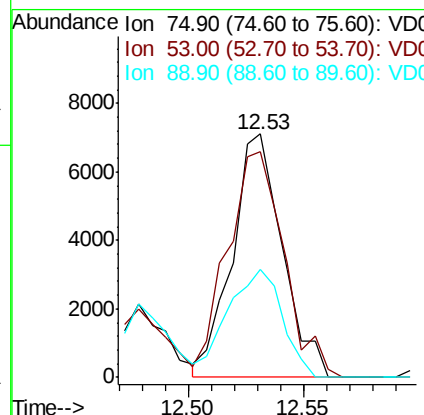
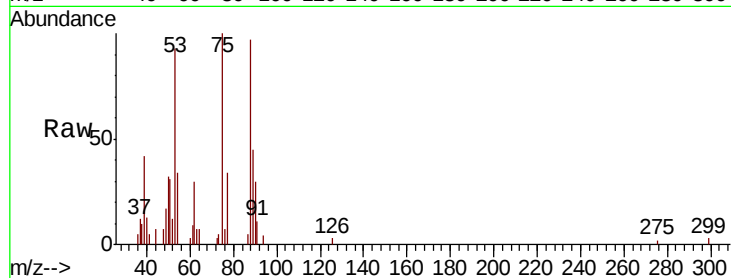
#81
trans-1,4-Dichloro-2-butene
Concen: 18.666 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	104.6	75.0	112.6
89	48.1	38.2	57.4

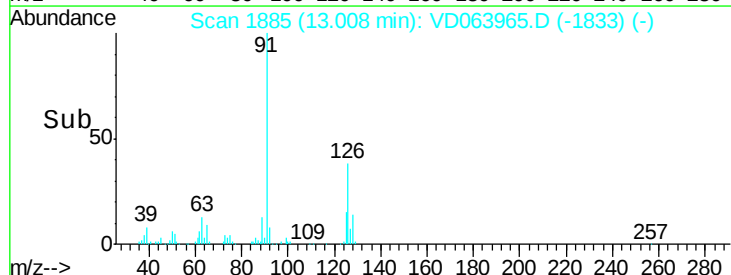
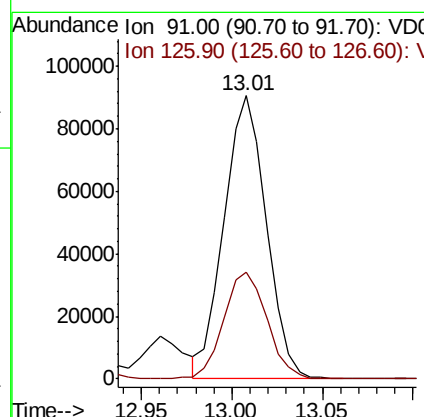
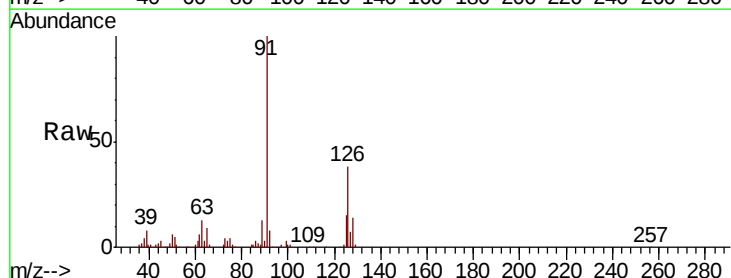
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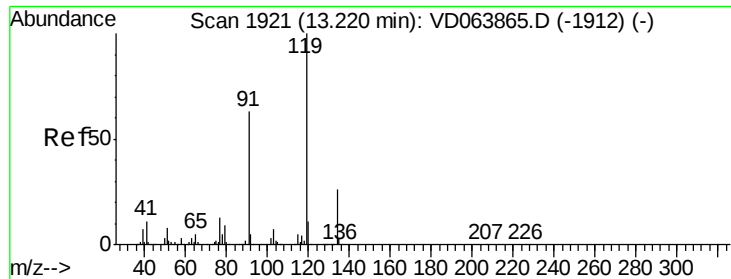
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#82
4-Chlorotoluene
Concen: 20.797 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.7	18.6	55.8





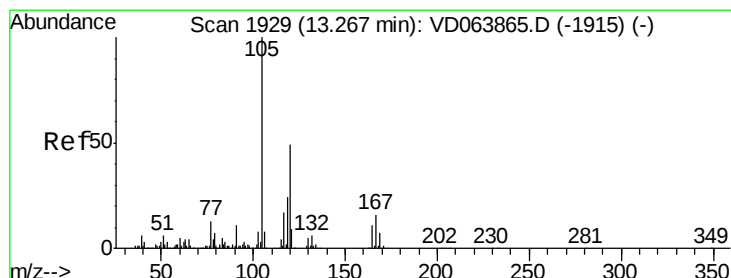
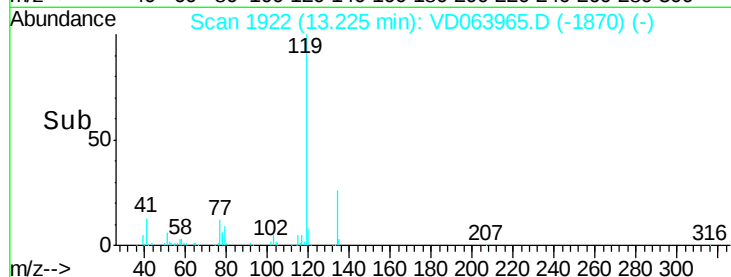
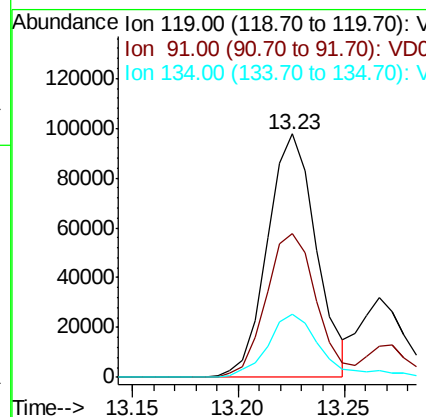
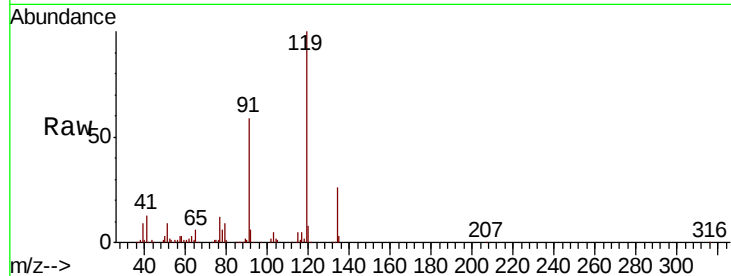
#83
tert-Butylbenzene
Concen: 20.647 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	157237		
91	61.5	30.0	90.0	
134	28.8	13.0	38.9	

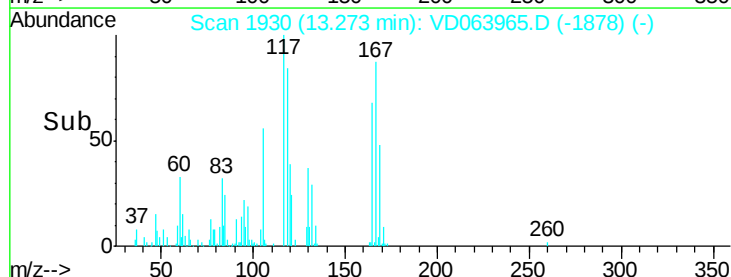
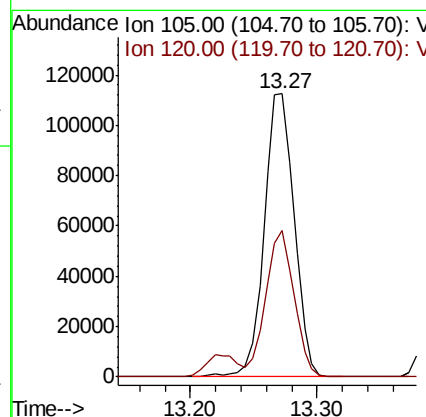
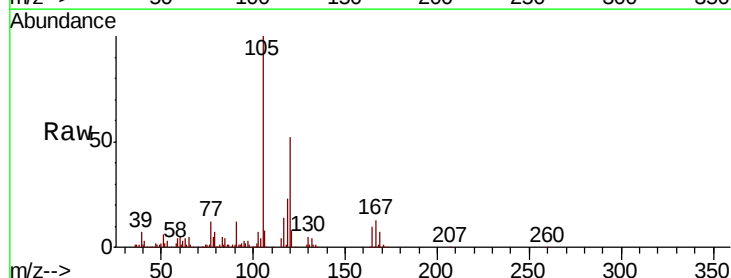
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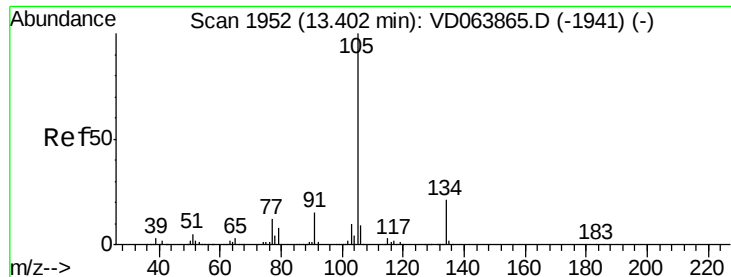
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.026 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	185485		
120	48.7	23.8	71.5	





#85

sec-Butylbenzene

Concen: 22.690 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

ClientSampleId :

VD1015SBS01

Tot Ion:105 Resp: 233354

Ion Ratio Lower Upper

105 100

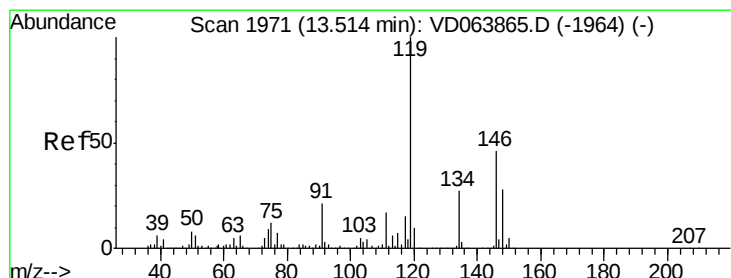
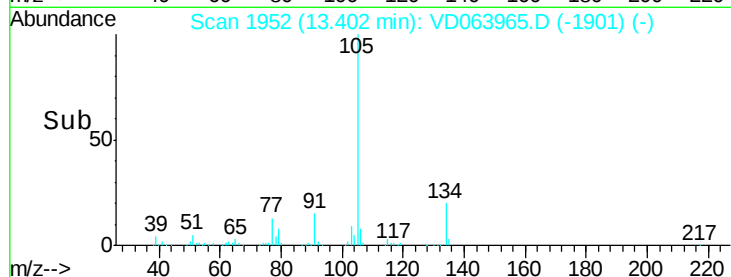
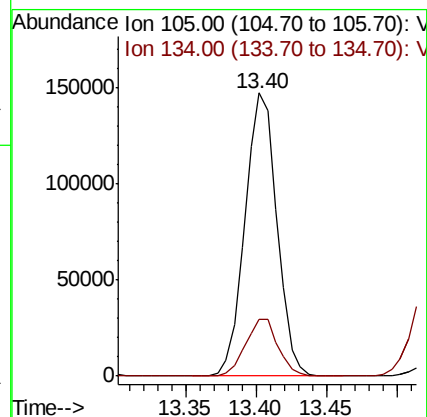
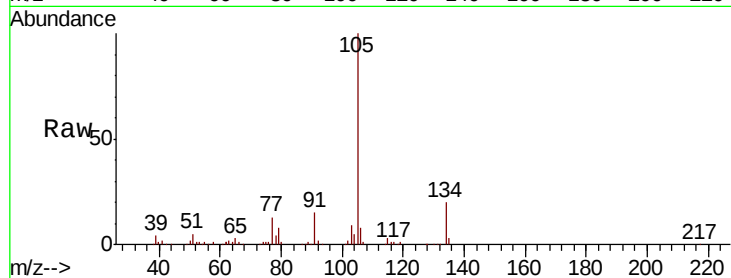
134 20.3 10.6 31.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.938 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

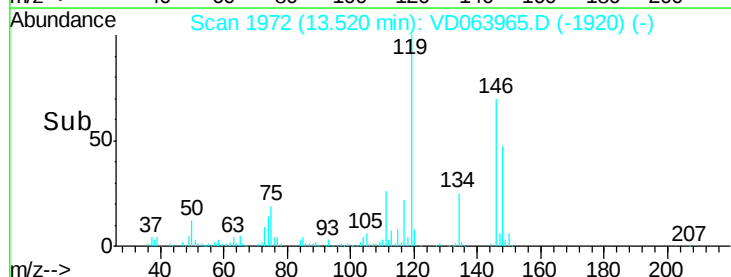
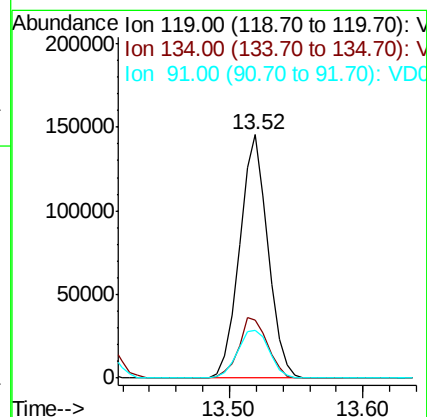
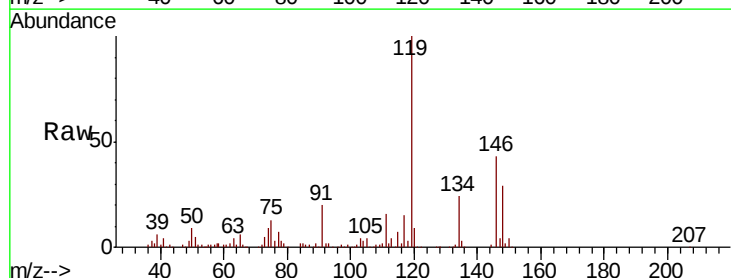
Tgt Ion:119 Resp: 213497

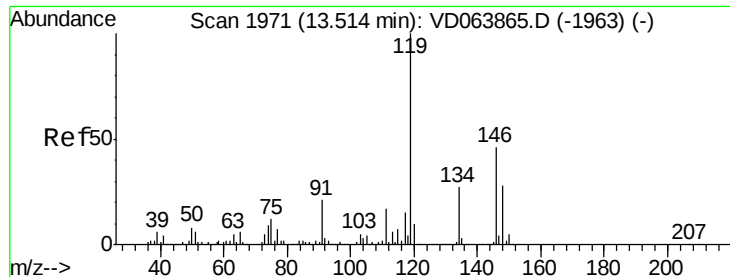
Ion Ratio Lower Upper

119 100

134 25.4 13.9 41.6

91 22.3 11.2 33.5





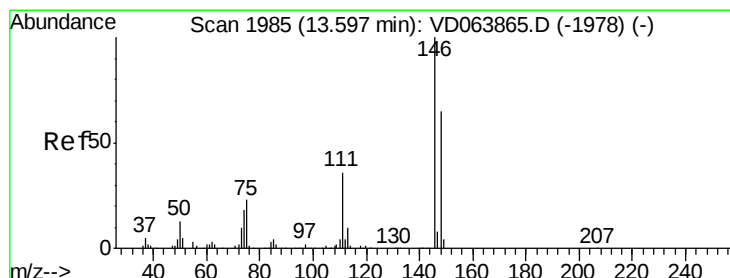
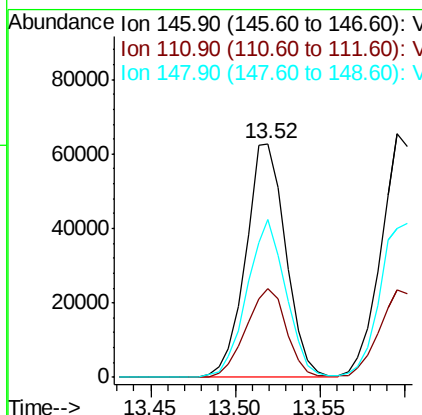
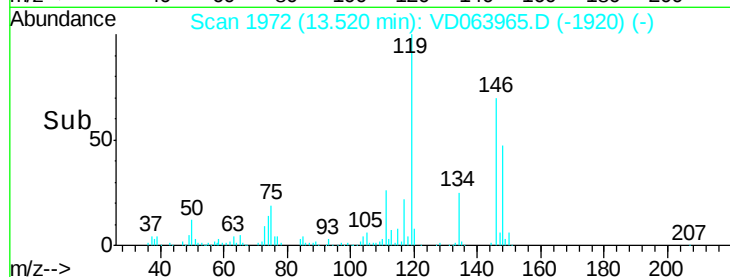
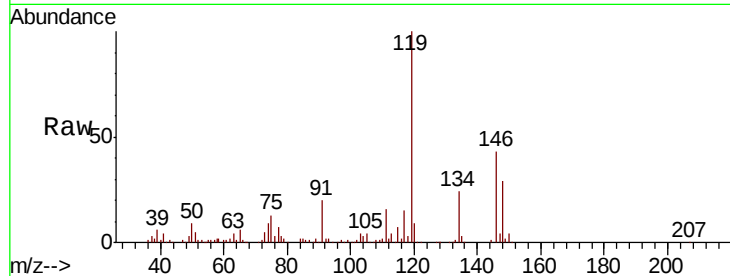
#87
 1,3-Dichlorobenzene
 Concen: 20.464 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.3	54.9
148	65.8	31.8	95.4

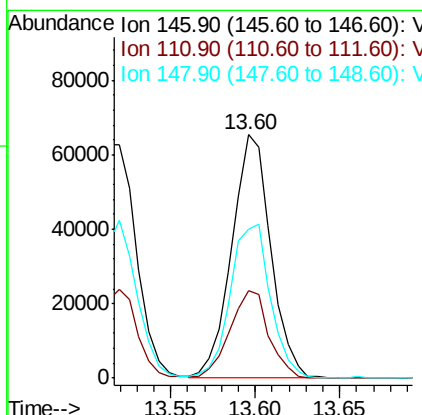
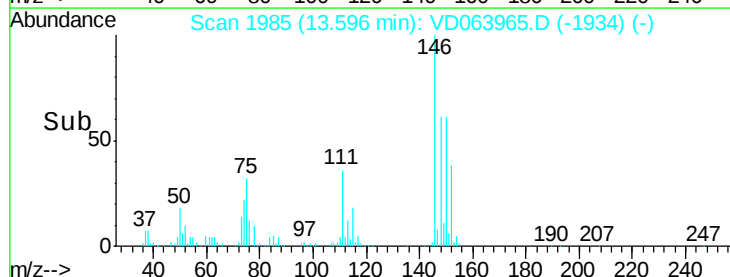
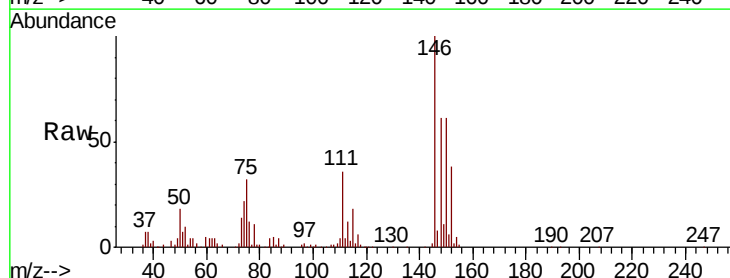
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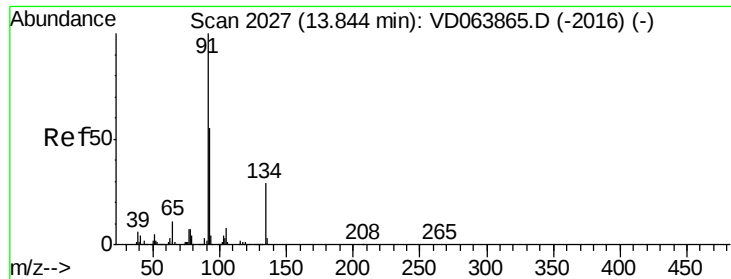
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#88
 1,4-Dichlorobenzene
 Concen: 21.155 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.6	56.0
148	64.8	32.6	98.0





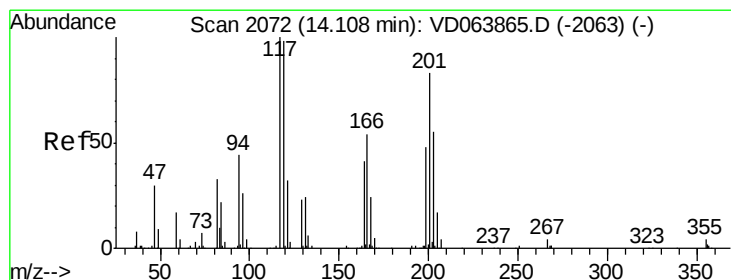
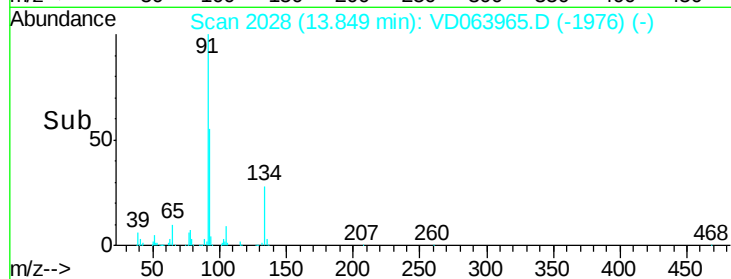
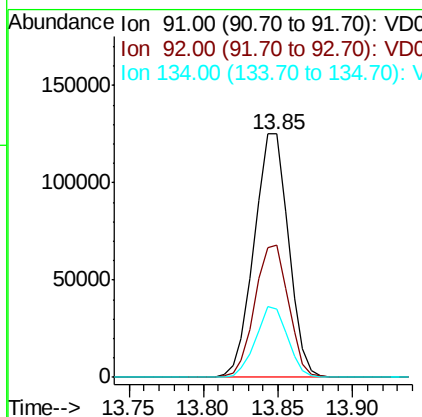
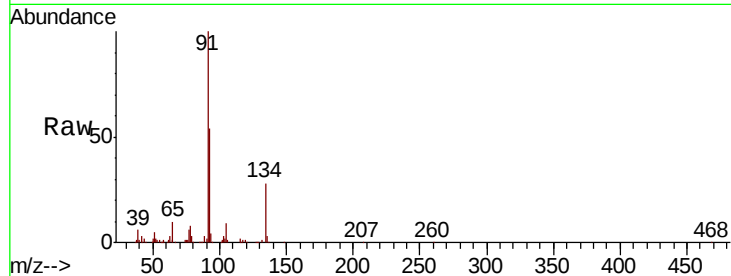
#89
n-Butylbenzene
Concen: 22.012 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Instrument :
MSVOA_D
ClientSampleId :
VD1015SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.3
134	26.8	14.4	43.0

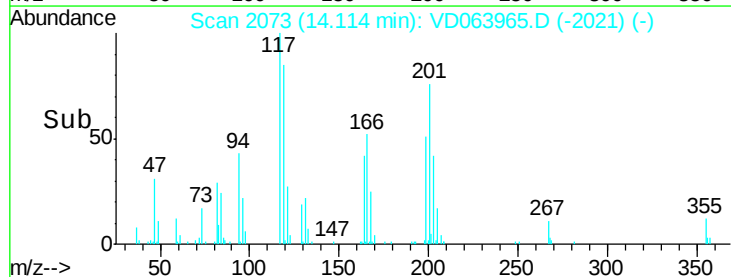
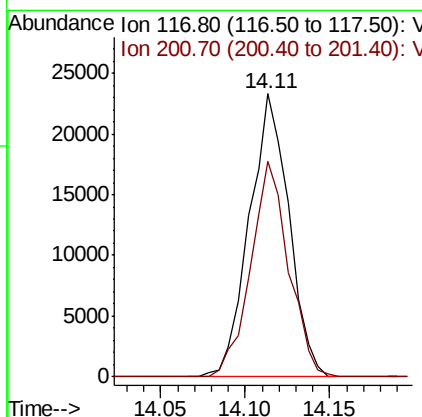
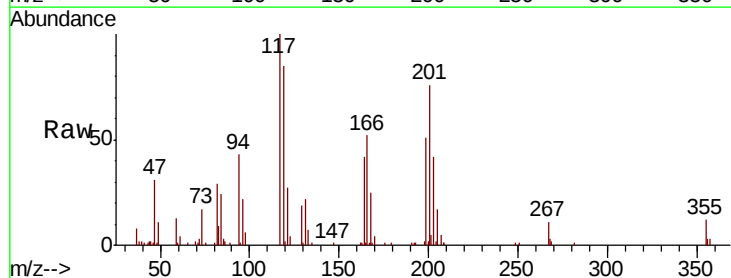
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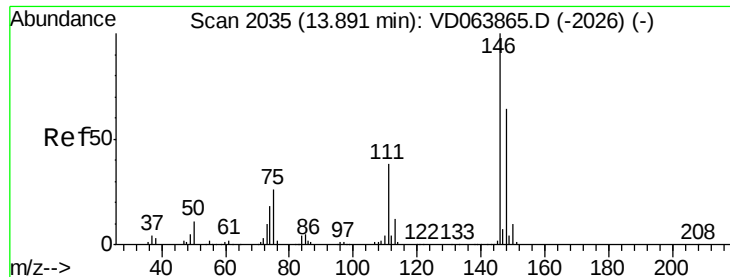
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10/18/2019 12:41:41 AM



#90
Hexachloroethane
Concen: 21.598 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063965.D
Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.1	40.6	121.7





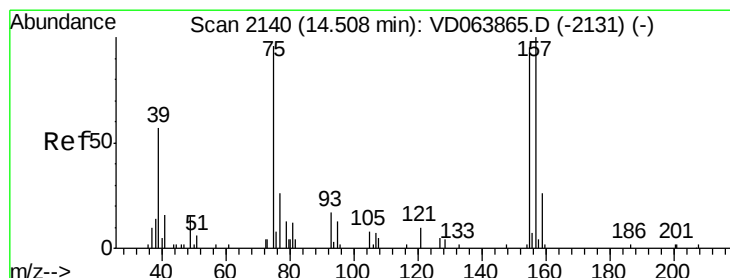
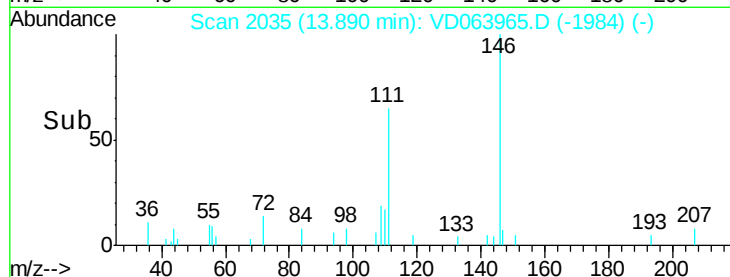
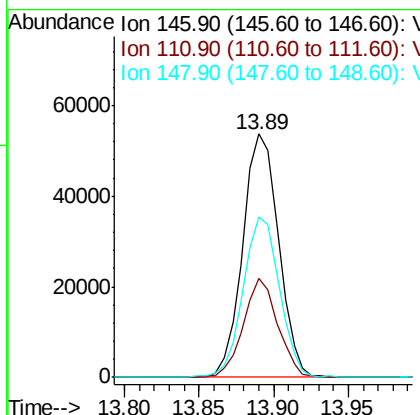
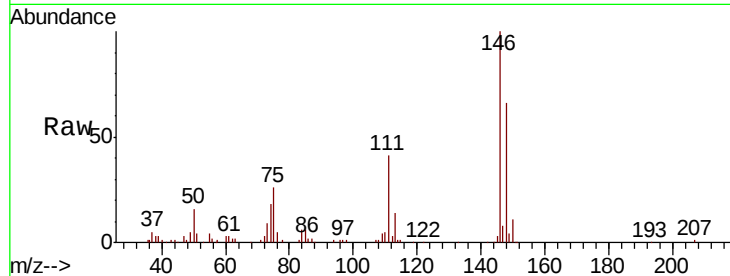
#91
 1,2-Dichlorobenzene
 Concen: 20.559 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	18.6	55.6
148	66.7	31.6	95.0

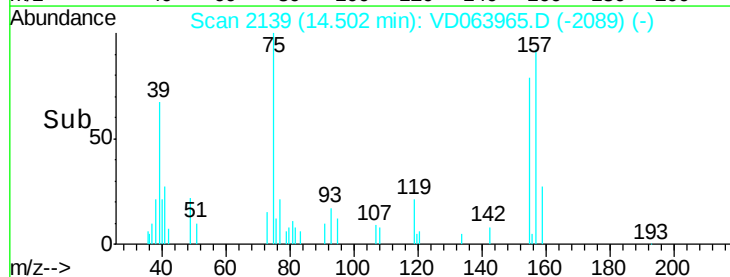
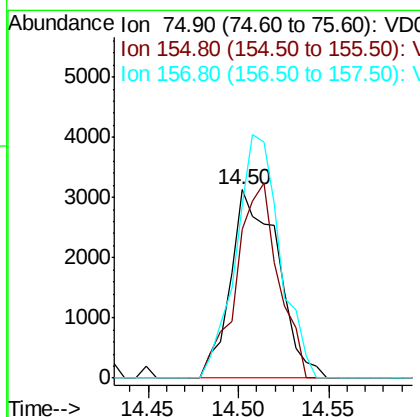
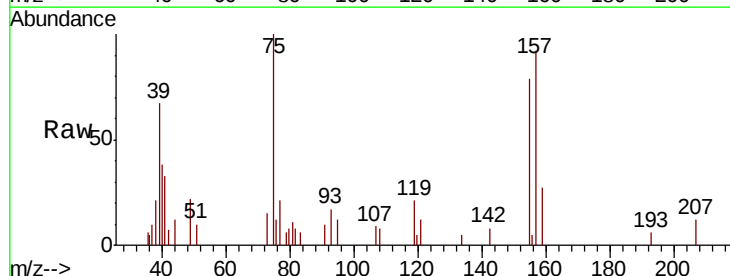
Manual Integrations
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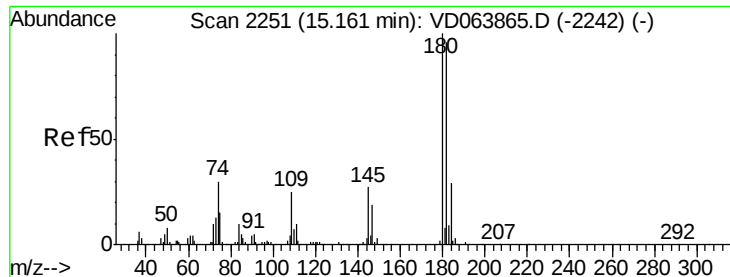
MMDadoda
 10/18/2019 12:41:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.892 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.8	43.9	131.6
157	120.4	56.0	167.9





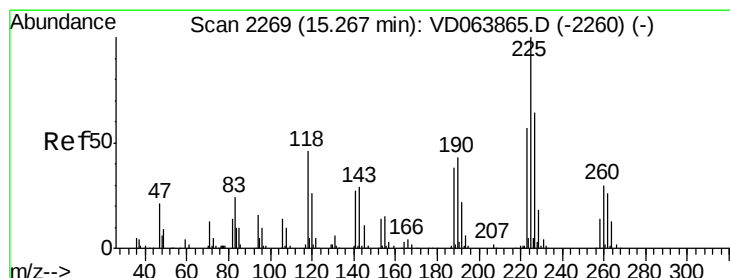
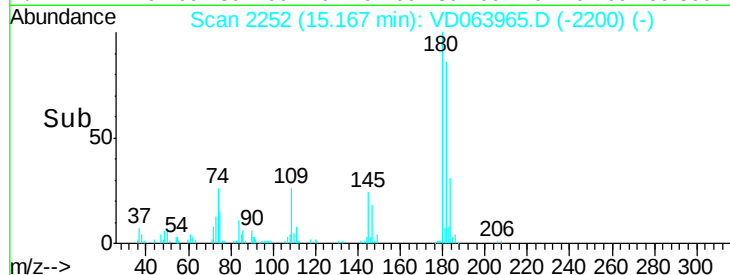
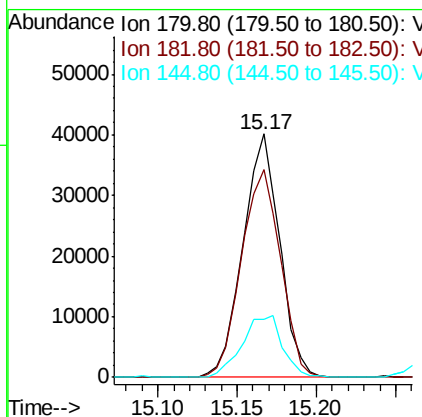
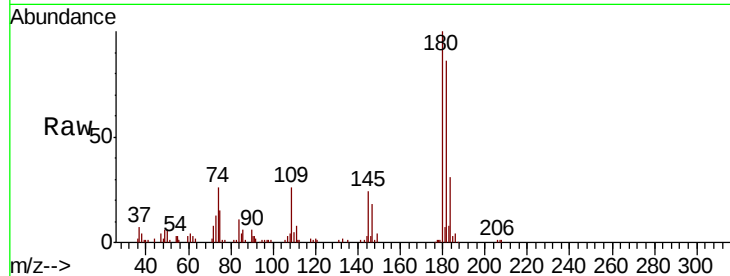
#93
 1,2,4-Trichlorobenzene
 Concen: 19.243 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1015SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.3	47.4	142.3
145	27.8	13.9	41.7

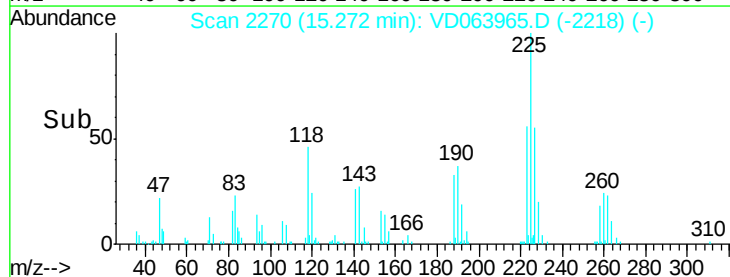
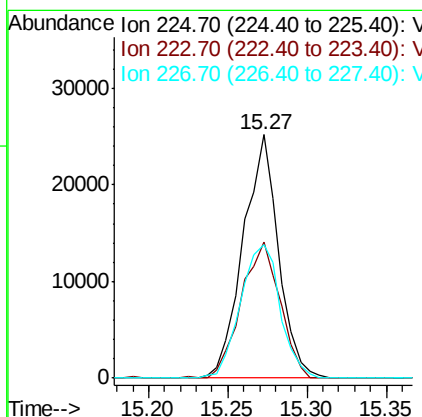
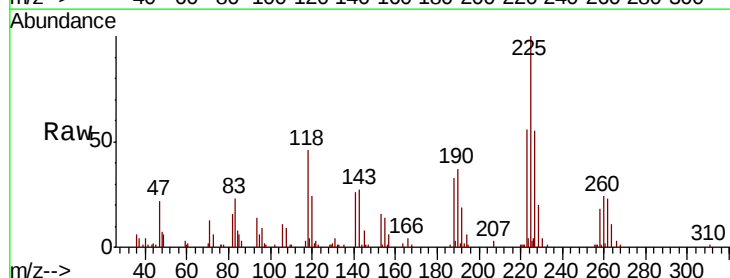
Manual Integrations
 APPROVED

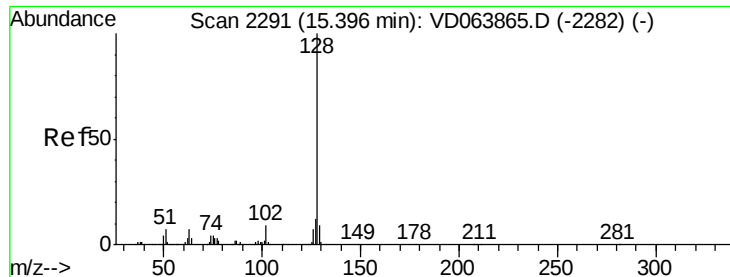
MMDadoda
 10/18/2019 12:41:41 AM



#94
 Hexachlorobutadiene
 Concen: 21.075 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD063965.D
 Acq: 15 Oct 2019 12:03

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	29.5	88.6
227	61.4	30.8	92.4





#95

Naphthalene

Concen: 19.922 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Instrument :

MSVOA_D

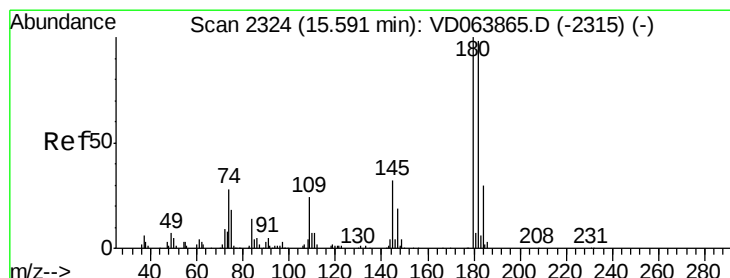
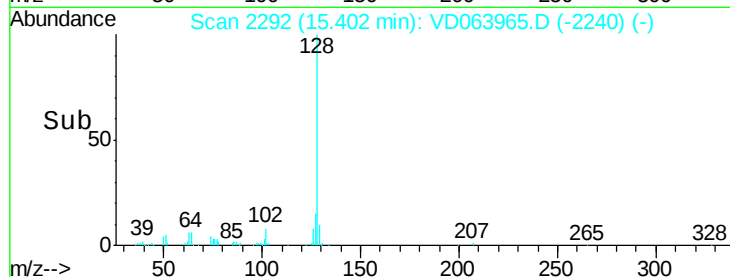
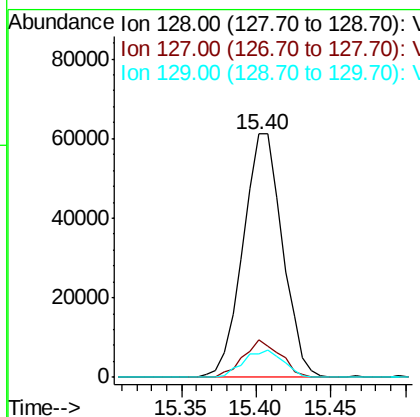
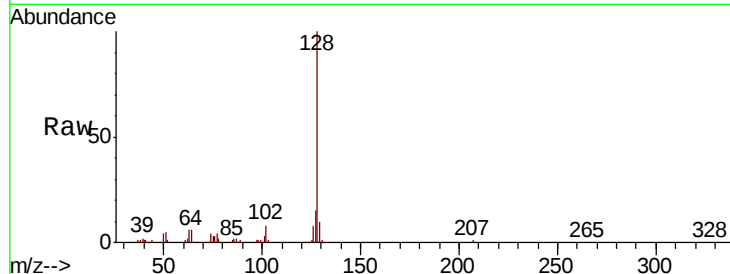
ClientSampleId :

VD1015SBS01

Tot Ion:	128	Resp:	112425
Ion Ratio	Lower	Upper	
128	100		
127	14.5	10.6	16.0
129	11.3	8.6	13.0

Manual Integrations
APPROVED

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



#96

1,2,3-Trichlorobenzene

Concen: 18.737 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.01 min

Lab File: VD063965.D

Acq: 15 Oct 2019 12:03

Tgt Ion:	180	Resp:	54278
Ion Ratio	Lower	Upper	
180	100		
182	96.7	47.0	141.0
145	31.4	15.3	45.9

