

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102319\
 Data File : VD064020.D
 Acq On : 23 Oct 2019 14:53
 Operator : VA/SY
 Sample : VD1023SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 4:53:23 PM

Quant Time: Oct 24 06:39:03 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	166591	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	261566	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	257680	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	141751	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	84954	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
35) Dibromofluoromethane	7.92	113	86515	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
50) Toluene-d8	10.34	98	359149	55.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.72%	
62) 4-Bromofluorobenzene	12.64	95	120018	53.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	21554	18.244	ug/l	86
3) Chloromethane	2.21	50	72741	20.181	ug/l	97
4) Vinyl Chloride	2.35	62	85960	22.512	ug/l	99
5) Bromomethane	2.76	94	53321	21.721	ug/l	96
6) Chloroethane	2.92	64	56808	22.496	ug/l	98
7) Trichlorofluoromethane	3.27	101	123841	24.530	ug/l	98
8) Diethyl Ether	3.71	74	18017	22.235	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	31710	22.691	ug/l	92
10) Methyl Iodide	4.29	142	35420	18.394	ug/l	99
11) Tert butyl alcohol	5.24	59	11070	93.217	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	29317	20.998	ug/l	81
13) Acrolein	3.93	56	12341	85.194	ug/l	97
14) Allyl chloride	4.70	41	48179	20.756	ug/l	95
15) Acrylonitrile	5.43	53	39487	110.529	ug/l	95
16) Acetone	4.16	43	41744	98.857	ug/l	96
17) Carbon Disulfide	4.40	76	91642	18.057	ug/l #	95
18) Methyl Acetate	4.73	43	21039	25.474	ug/l #	79
19) Methyl tert-butyl Ether	5.48	73	71255	19.709	ug/l	100
20) Methylene Chloride	4.97	84	43474	21.486	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	36485	20.992	ug/l	98
22) Diisopropyl ether	6.37	45	102867	21.699	ug/l	95
23) Vinyl Acetate	6.31	43	299167	106.081	ug/l	99
24) 1,1-Dichloroethane	6.27	63	62577	21.430	ug/l	95
25) 2-Butanone	7.23	43	53666	107.240	ug/l	94
26) 2,2-Dichloropropane	7.21	77	55497	21.010	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	40963	20.822	ug/l	98
28) Bromochloromethane	7.54	49	19629	18.886	ug/l #	10
29) Tetrahydrofuran	7.57	42	31937	109.339	ug/l	95
30) Chloroform	7.71	83	67815	21.382	ug/l	97
31) Cyclohexane	7.98	56	58294	21.903	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	58093	21.353	ug/l	99
36) 1,1-Dichloropropene	8.11	75	53157	22.227	ug/l	99
37) Ethyl Acetate	7.30	43	17586	15.594	ug/l #	78
38) Carbon Tetrachloride	8.10	117	53253	22.035	ug/l #	95

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Instrument :
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Manual Integrations
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 10/24/2019 4:53:23 PM

Quant Time: Oct 24 06:39:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 05 03:51:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	66057	22.464	ug/l	87
40) Benzene	8.36	78	152294	22.221	ug/l	97
41) Methacrylonitrile	7.54	41	12464	22.479	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	43600	21.993	ug/l	99
43) Isopropyl Acetate	8.46	43	39537	19.713	ug/l	97
44) Trichloroethene	9.11	130	41964	21.234	ug/l	94
45) 1,2-Dichloropropane	9.39	63	36815	21.946	ug/l	99
46) Dibromomethane	9.48	93	20646	21.611	ug/l	97
47) Bromodichloromethane	9.67	83	52496	21.343	ug/l	99
48) Methyl methacrylate	9.46	41	19672	20.471	ug/l	90
49) 1,4-Dioxane	9.47	88	6077	466.008	ug/l	92
51) 4-Methyl-2-Pentanone	10.24	43	113768	109.374	ug/l	97
52) Toluene	10.40	92	99926	21.239	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	48042	20.016	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	58997	21.353	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	29117	21.585	ug/l	94
56) Ethyl methacrylate	10.66	69	35124	20.562	ug/l	97
57) 1,3-Dichloropropane	10.95	76	51873	22.476	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	74710	101.749	ug/l	98
59) 2-Hexanone	10.99	43	82489	109.630	ug/l	98
60) Dibromochloromethane	11.14	129	38282	21.799	ug/l	94
61) 1,2-Dibromoethane	11.25	107	29219	22.343	ug/l	99
64) Tetrachloroethene	10.88	164	38481	21.875	ug/l	93
65) Chlorobenzene	11.67	112	113618	21.955	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	41542	21.786	ug/l	99
67) Ethyl Benzene	11.75	91	203404	21.798	ug/l	99
68) m/p-Xylenes	11.85	106	159034	44.155	ug/l	100
69) o-Xylene	12.18	106	74313	21.548	ug/l	97
70) Styrene	12.20	104	125613	21.515	ug/l	99
71) Bromoform	12.36	173	21572	21.080	ug/l #	96
73) Isopropylbenzene	12.48	105	206575	21.678	ug/l	96
74) N-amyl acetate	12.29	43	40758	19.866	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	36378	21.938	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	29557m	31.132	ug/l	
77) Bromobenzene	12.76	156	51748	21.797	ug/l	96
78) n-propylbenzene	12.82	91	243311	21.753	ug/l	99
79) 2-Chlorotoluene	12.91	91	133832	21.699	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	166637	20.961	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	9709	18.097	ug/l	86
82) 4-Chlorotoluene	13.01	91	137532	21.021	ug/l	99
83) tert-Butylbenzene	13.23	119	146429	20.696	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	171516	20.927	ug/l	99
85) sec-Butylbenzene	13.40	105	213394	22.333	ug/l	100
86) p-Isopropyltoluene	13.52	119	191316	21.160	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	97332	20.749	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	100392	21.693	ug/l	99
89) n-Butylbenzene	13.85	91	186993	22.218	ug/l	98
90) Hexachloroethane	14.11	117	35738	21.977	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	86339	21.357	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5094	18.209	ug/l	73

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

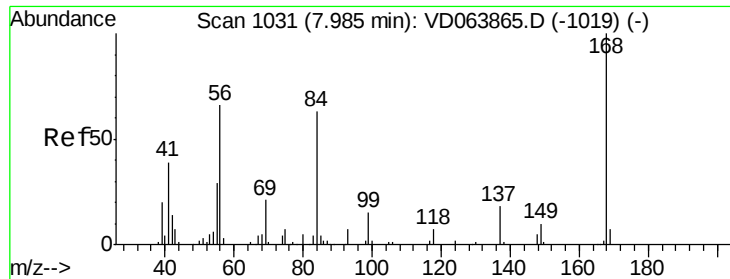
Manual Integrations
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Quant Time: Oct 24 06:39:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 05 03:51:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	63519	20.363	ug/l	97
94) Hexachlorobutadiene	15.27	225	35312	20.514	ug/l	97
95) Naphthalene	15.41	128	110064	20.993	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	55492	20.619	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

Tot Ion:168 Resp: 166591

Ion Ratio Lower Upper

168 100

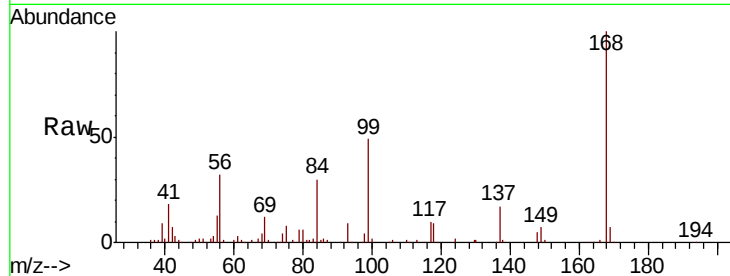
99 48.9 43.0 64.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

80000

60000

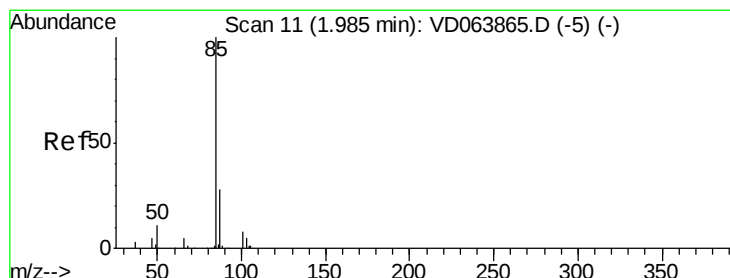
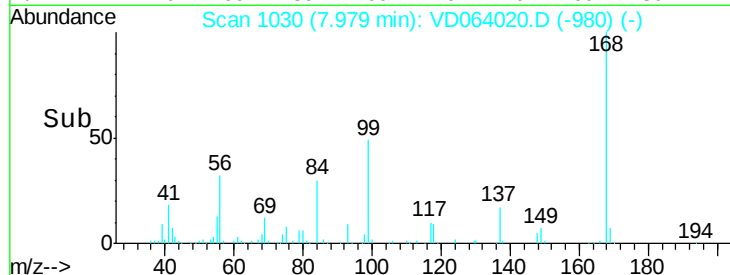
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.244 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD064020.D

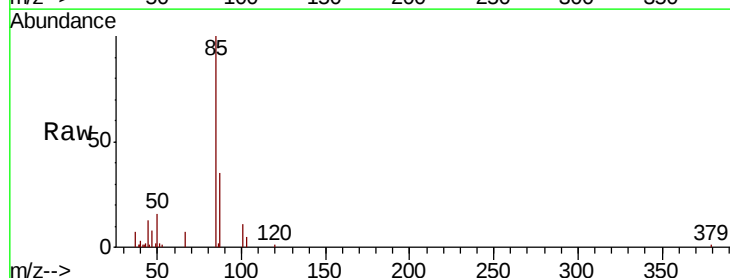
Acq: 23 Oct 2019 14:53

Tgt Ion: 85 Resp: 21554

Ion Ratio Lower Upper

85 100

87 35.3 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

15000

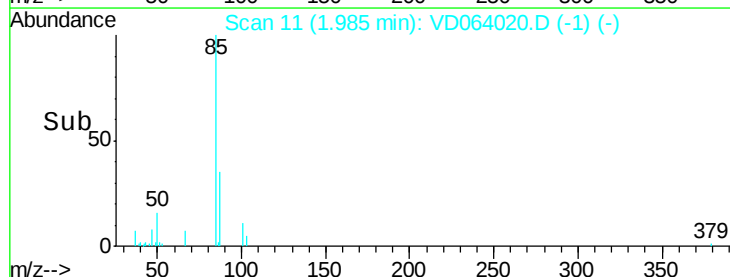
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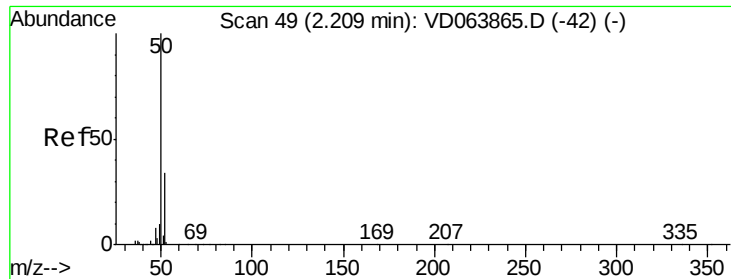
5000

0

1.95 2.00 2.05

Time-->





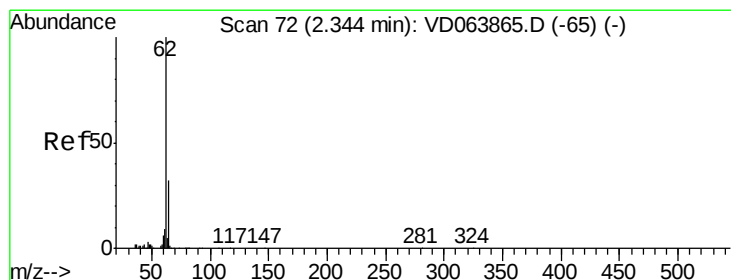
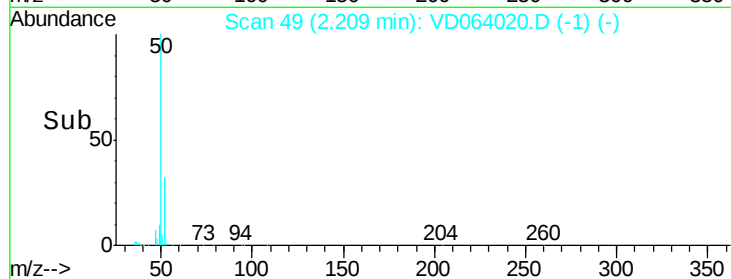
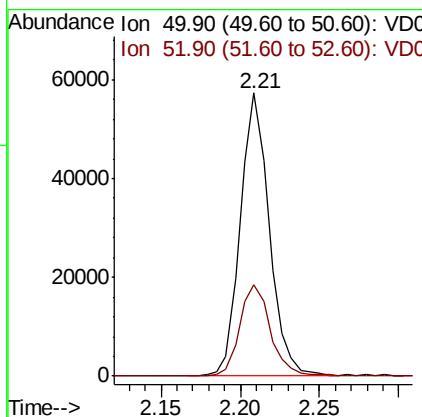
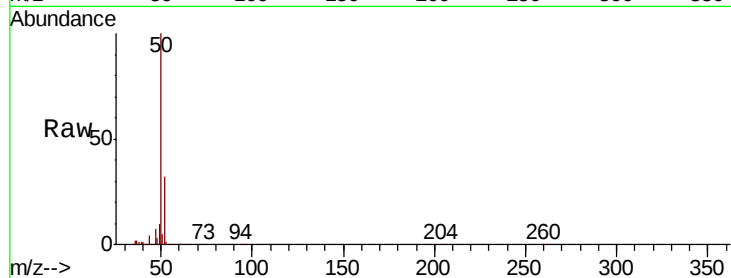
#3
Chloromethane
Concen: 20.181 ug/l
RT: 2.21 min Scan# 49
Delta R.T. 0.00 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.4	27.5	41.3

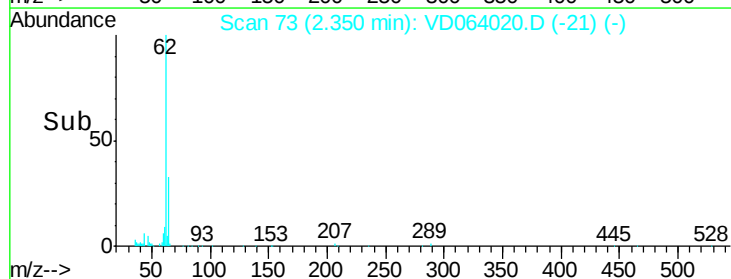
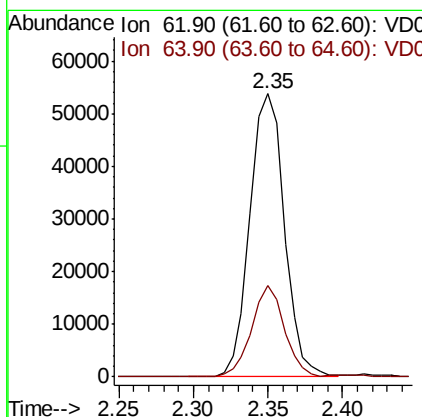
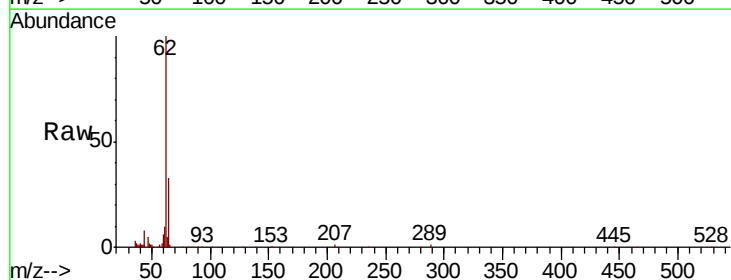
Manual Integrations
APPROVED

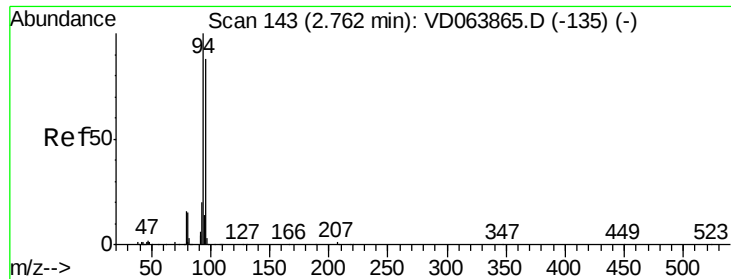
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#4
Vinyl Chloride
Concen: 22.512 ug/l
RT: 2.35 min Scan# 73
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.5	25.4	38.0





#5

Bromomethane

Concen: 21.721 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

Tot Ion: 94 Resp: 53321

Ion Ratio Lower Upper

94 100

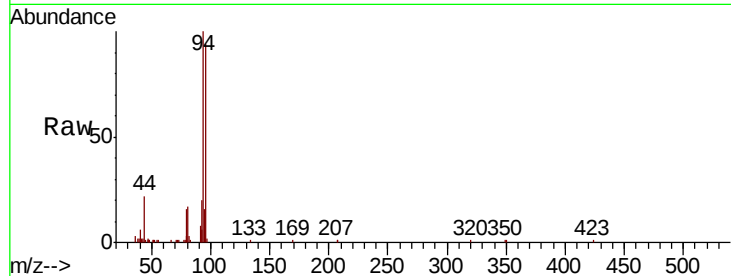
96 92.6 70.8 106.2

Manual Integrations

APPROVED

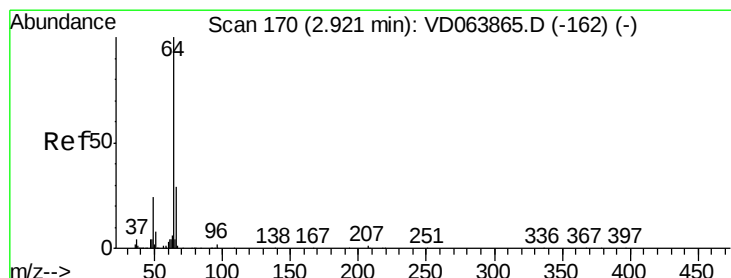
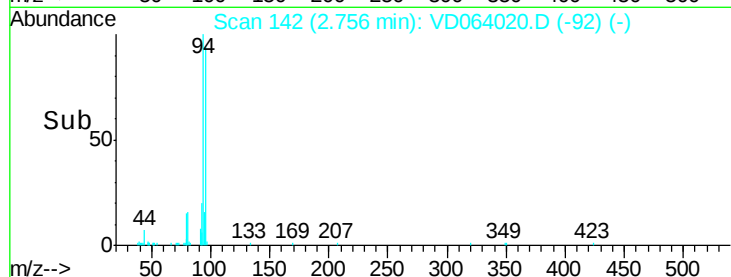
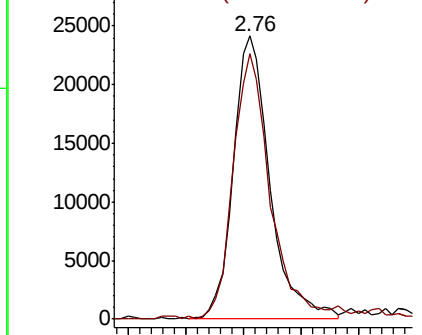
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 22.496 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064020.D

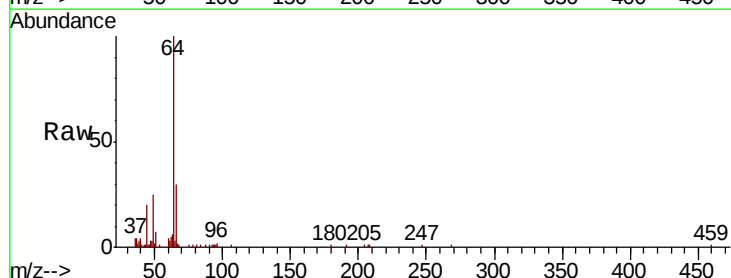
Acq: 23 Oct 2019 14:53

Tgt Ion: 64 Resp: 56808

Ion Ratio Lower Upper

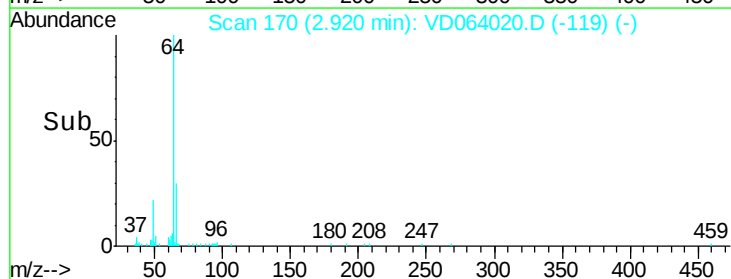
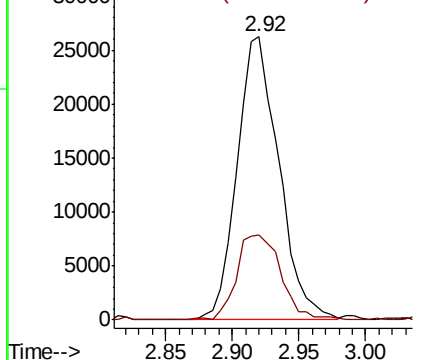
64 100

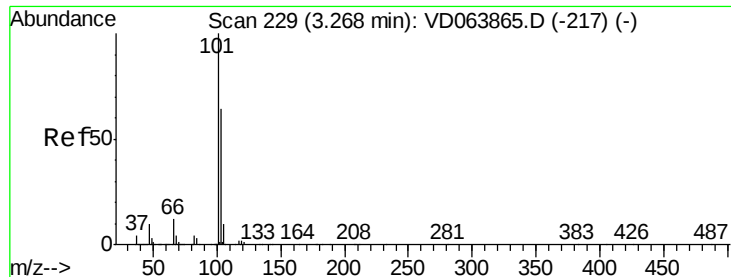
66 29.9 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

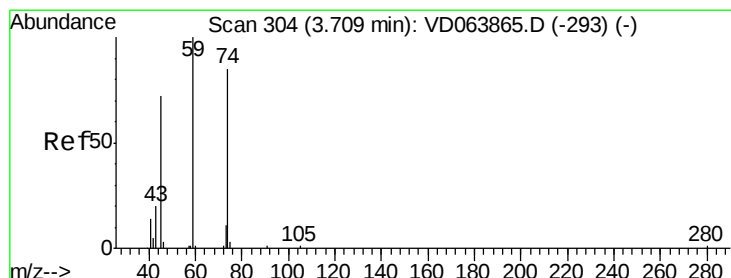
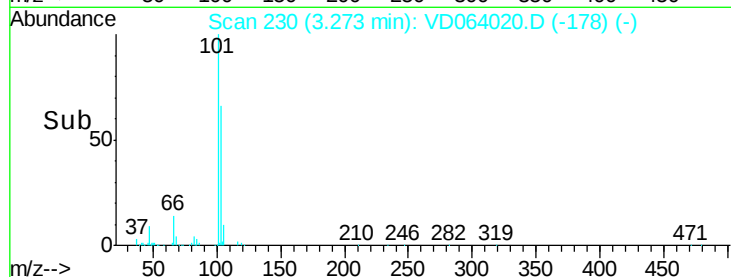
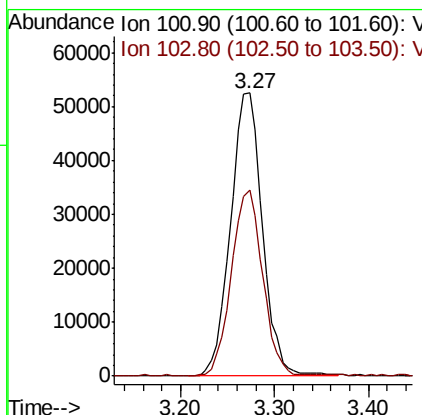
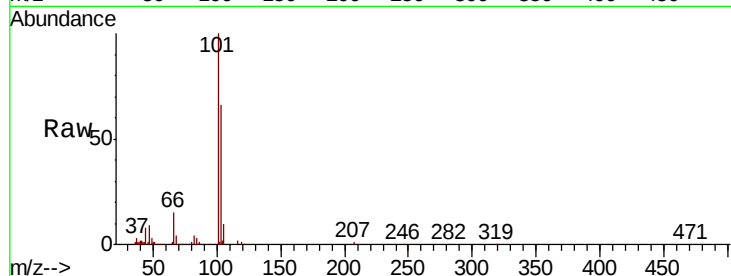
Trichlorofluoromethane
Concen: 24.530 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	51.1	76.7

Manual Integrations
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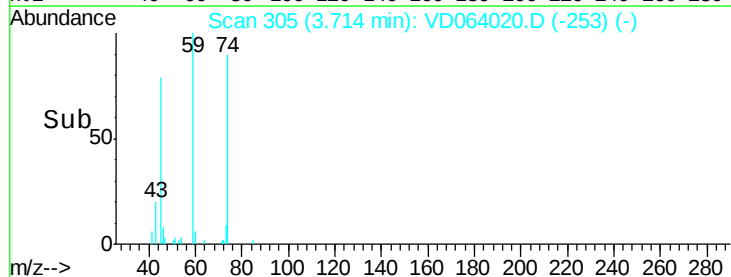
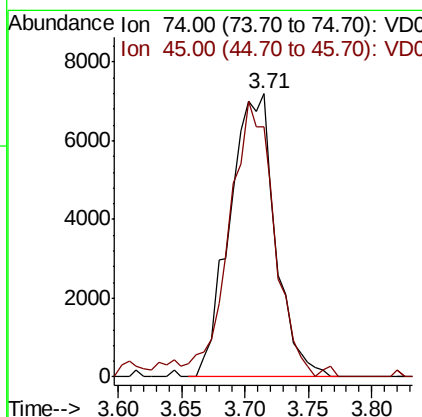
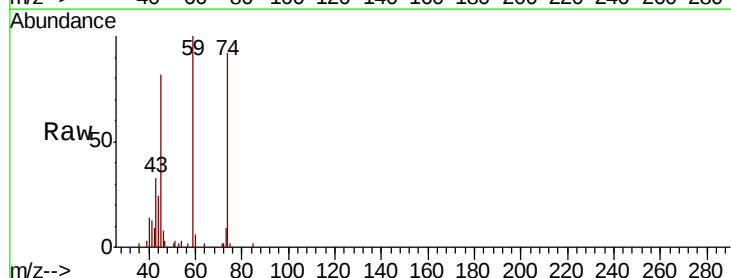
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10/24/2019 4:53:23 PM

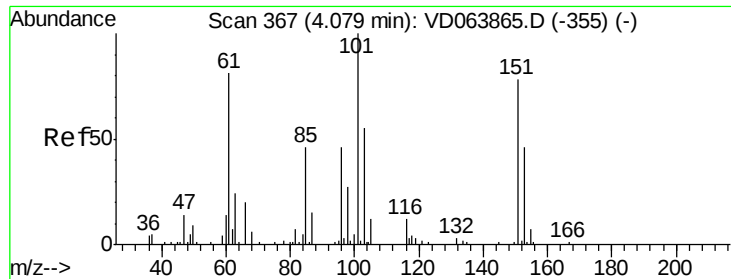


#8

Diethyl Ether
Concen: 22.235 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.691 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

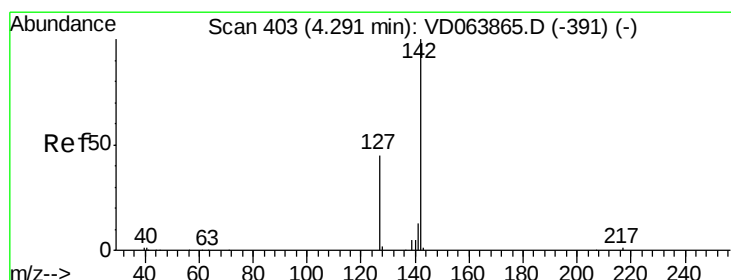
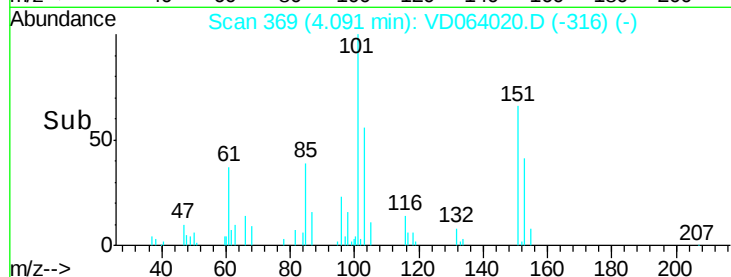
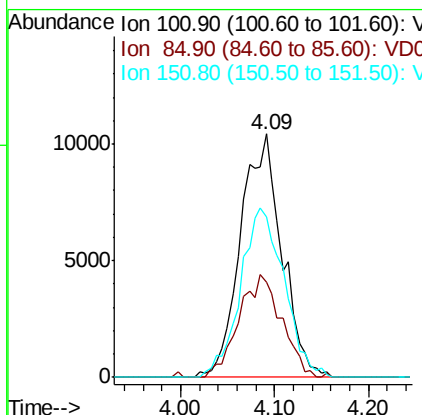
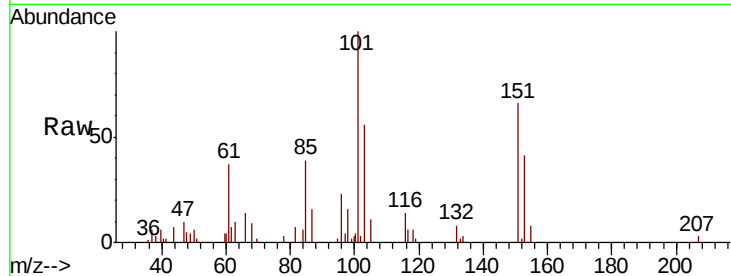
ClientSampleId :

VD1023SBS01

Tot Ion:	101	Resp:	31710
Ion Ratio	Lower	Upper	
101	100		
85	43.5	37.5	56.3
151	73.6	65.5	98.3

Manual Integrations
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MMDadoda
10/24/2019 4:53:23 PM



#10

Methyl Iodide

Concen: 18.394 ug/l

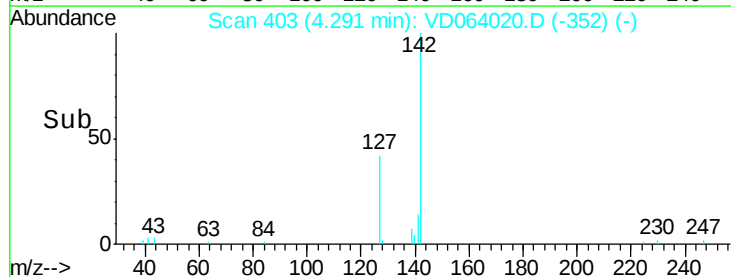
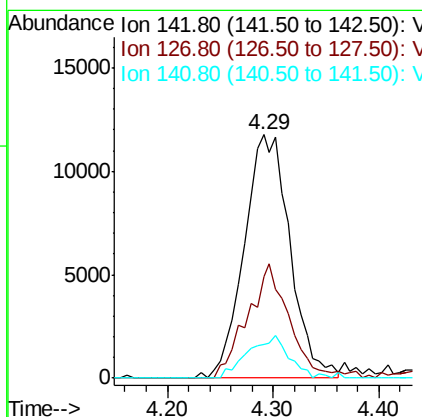
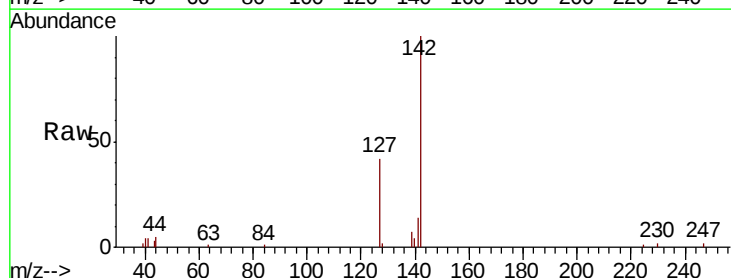
RT: 4.29 min Scan# 403

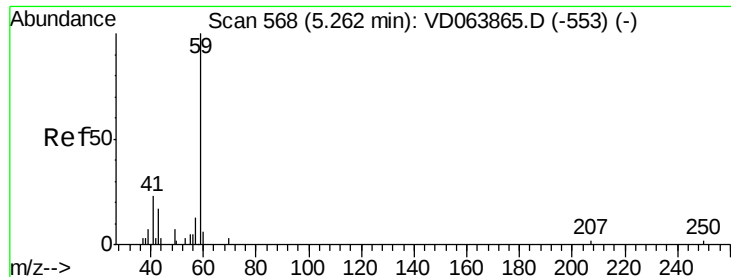
Delta R.T. -0.00 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Tgt Ion:	142	Resp:	35420
Ion Ratio	Lower	Upper	
142	100		
127	43.6	35.3	52.9
141	15.8	12.2	18.2





#11

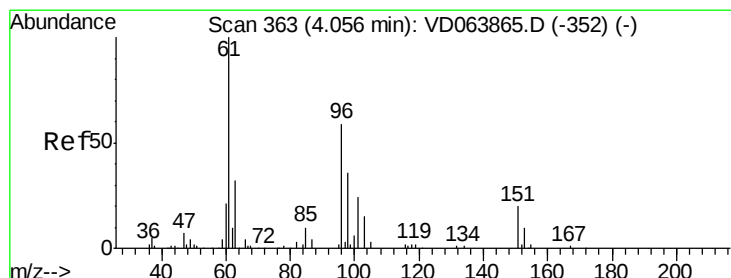
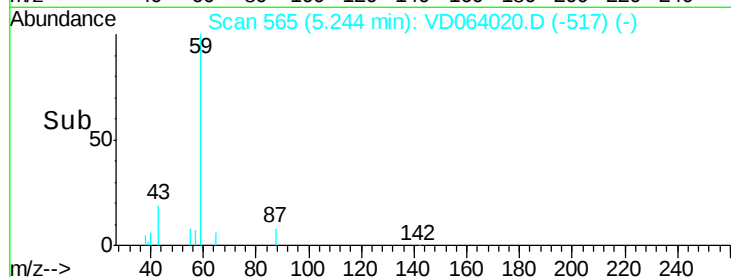
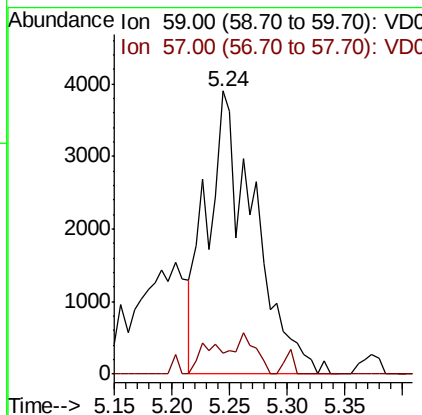
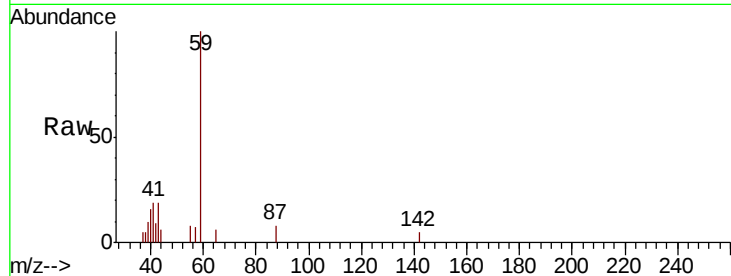
Tert butyl alcohol
Concen: 93.217 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.02 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion: 59 Resp: 11070
Ion Ratio Lower Upper
59 100
57 4.8 8.8 13.2#

Manual Integrations
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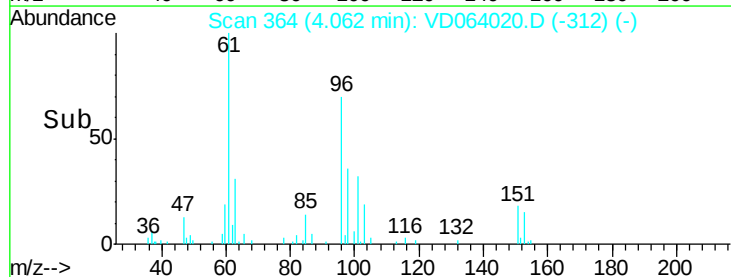
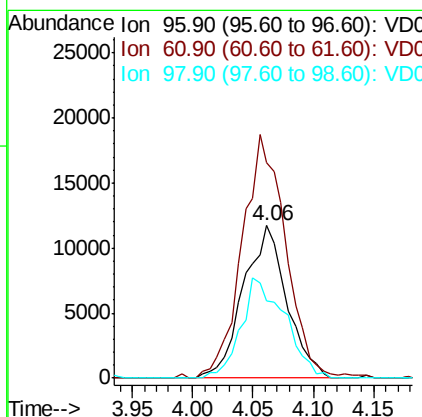
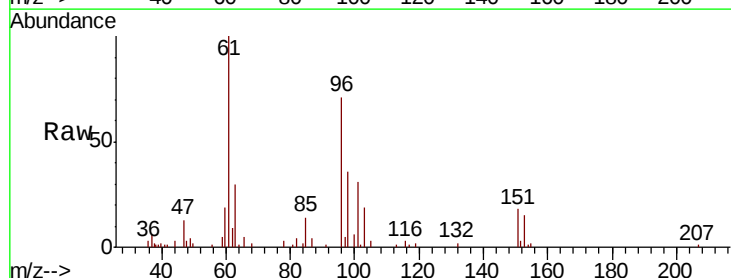
MMDadoda
10/24/2019 4:53:23 PM

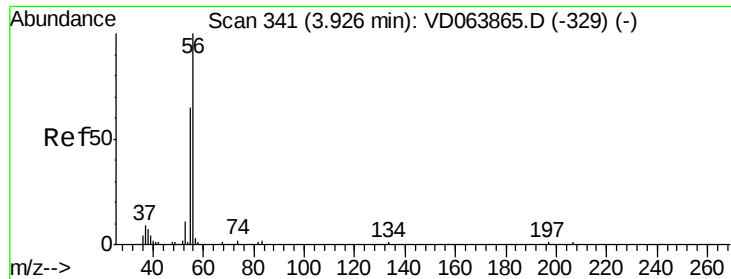


#12

1,1-Dichloroethene
Concen: 20.998 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion: 96 Resp: 29317
Ion Ratio Lower Upper
96 100
61 141.0 135.6 203.4
98 50.4 49.2 73.8





#13

Acrolein

Concen: 85.194 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

Tot Ion: 56 Resp: 12341

Ion Ratio Lower Upper

56 100

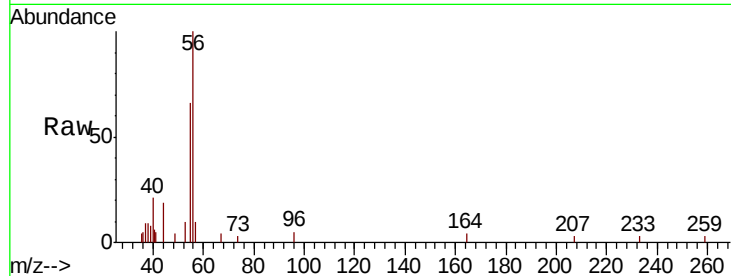
55 68.7 53.0 79.6

Manual Integrations

APPROVED

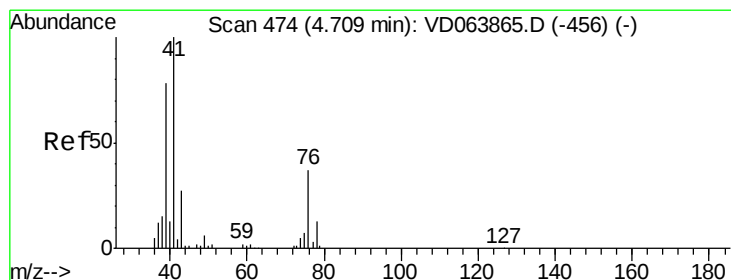
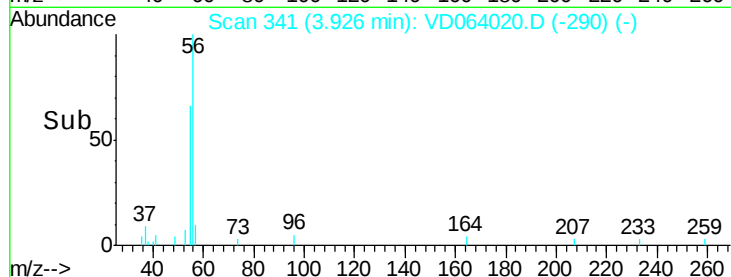
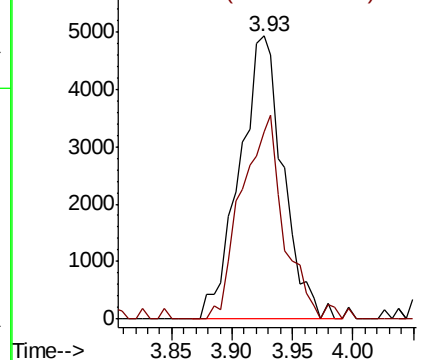
MMDadoda

10/24/2019 4:53:23 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.756 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

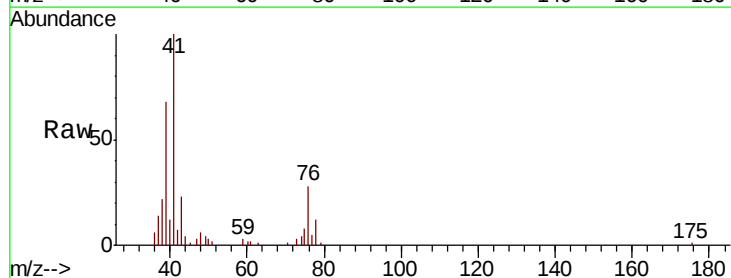
Tgt Ion: 41 Resp: 48179

Ion Ratio Lower Upper

41 100

39 73.4 61.8 92.6

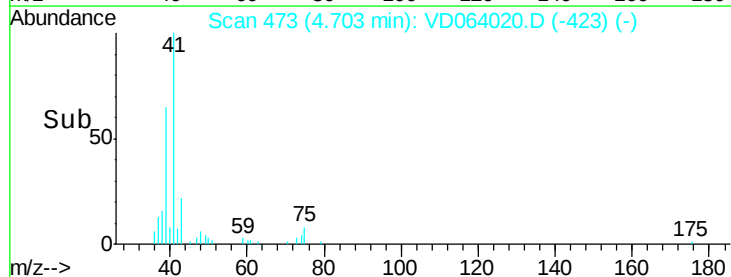
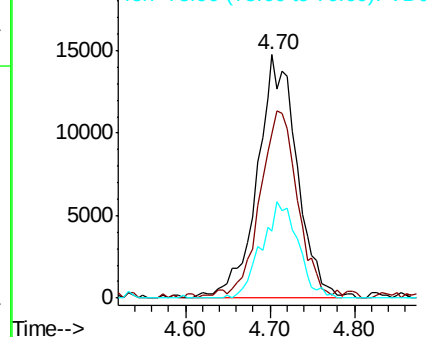
76 36.1 31.3 46.9

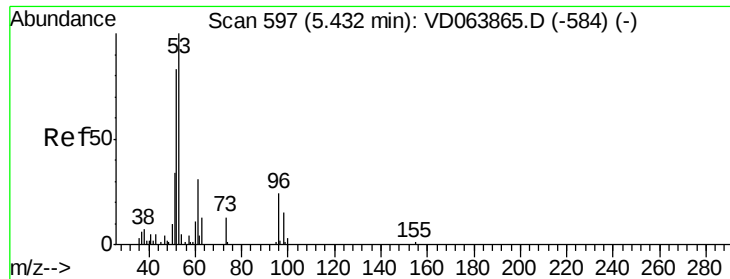


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 110.529 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

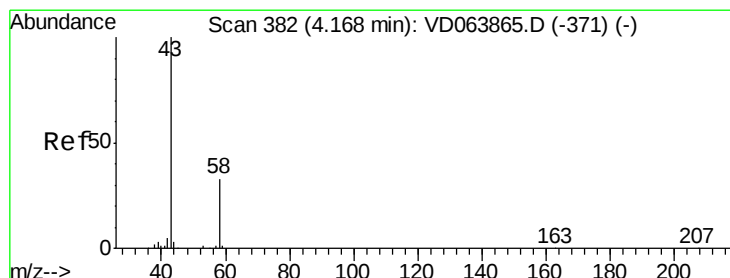
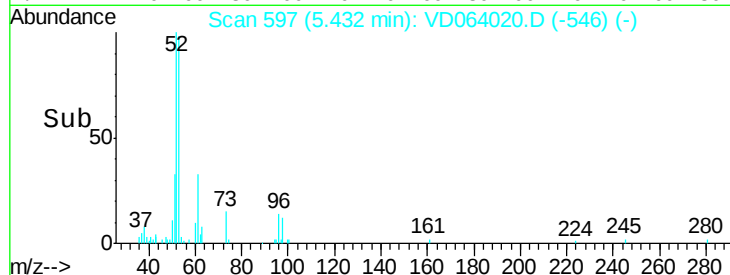
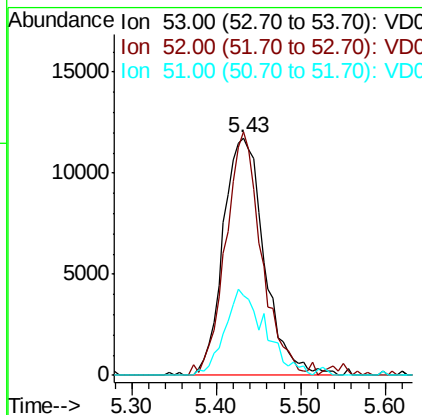
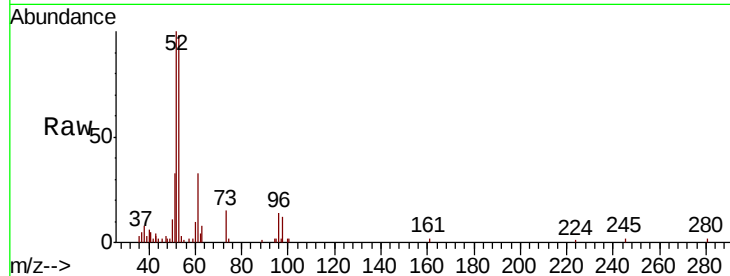
ClientSampleId :

VD1023SBS01

Tot Ion:	53	Resp:	39487
Ion	Ratio	Lower	Upper
53	100		
52	89.5	67.3	100.9
51	35.7	30.5	45.7

Manual Integrations
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MMDadoda
10/24/2019 4:53:23 PM



#16

Acetone

Concen: 98.857 ug/l

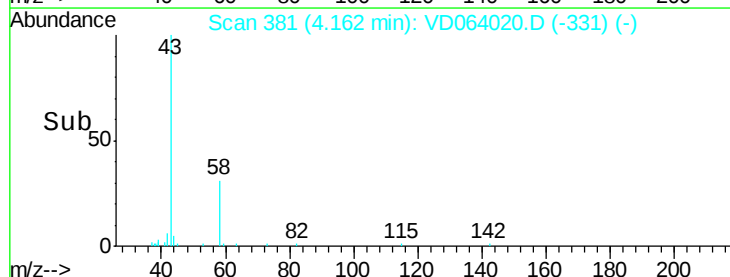
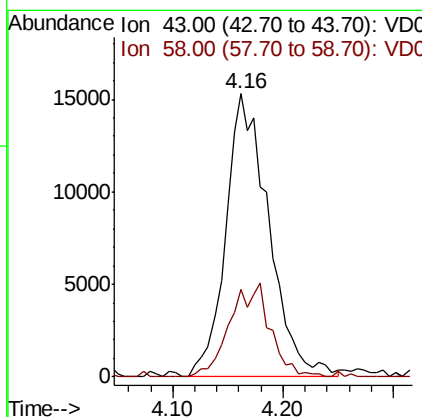
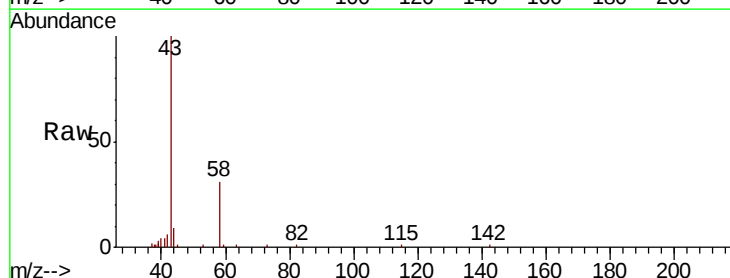
RT: 4.16 min Scan# 381

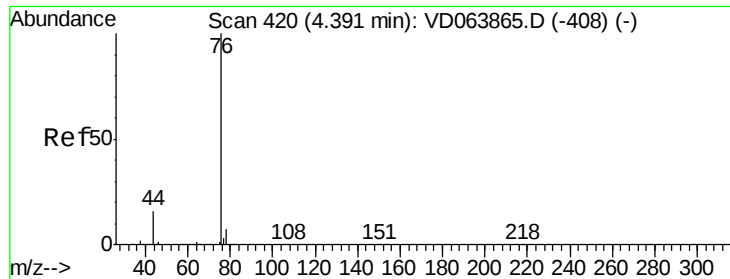
Delta R.T. -0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Tgt Ion:	43	Resp:	41744
Ion	Ratio	Lower	Upper
43	100		
58	30.8	26.2	39.4





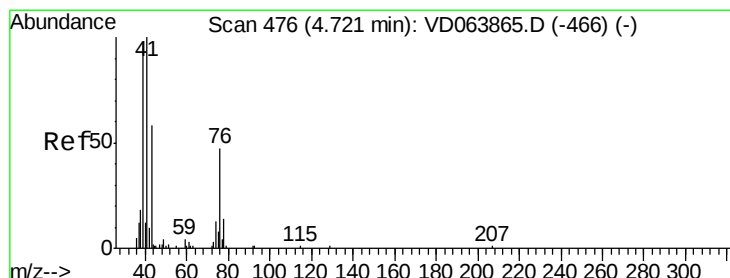
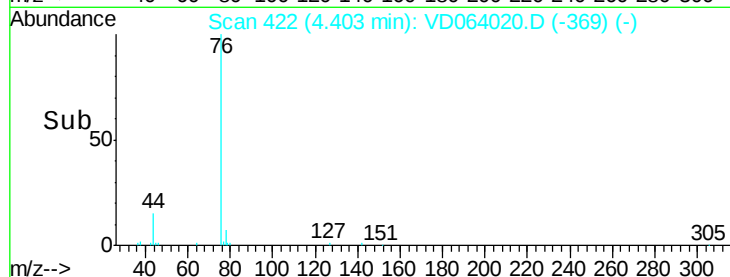
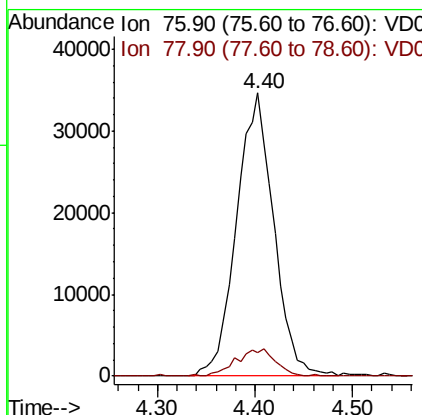
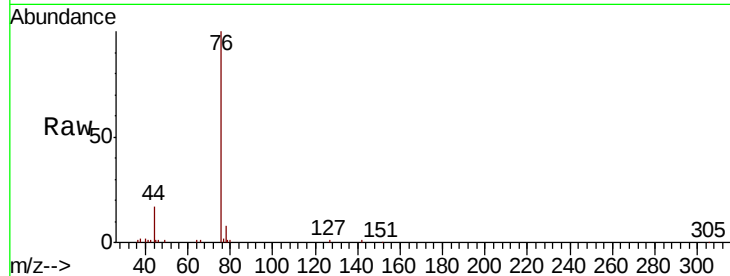
#17
Carbon Disulfide
Concen: 18.057 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	5.8	8.8#

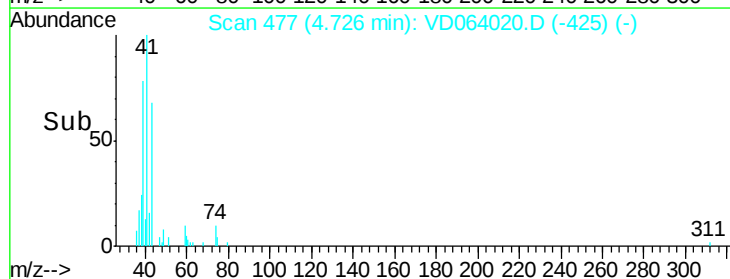
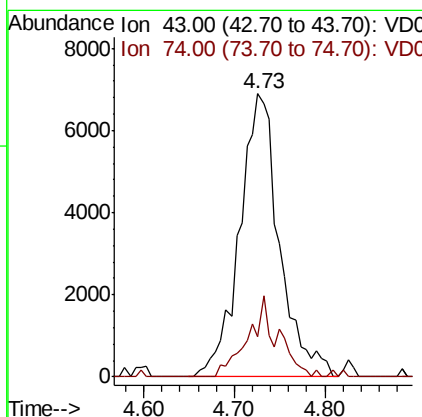
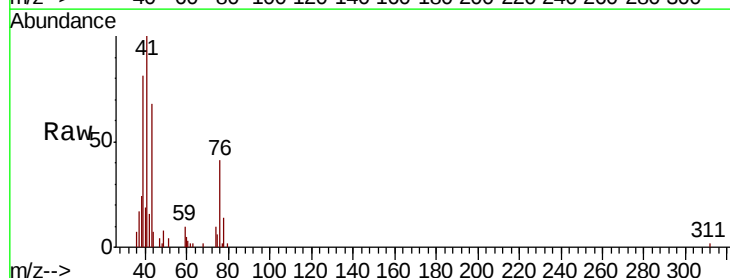
Manual Integrations
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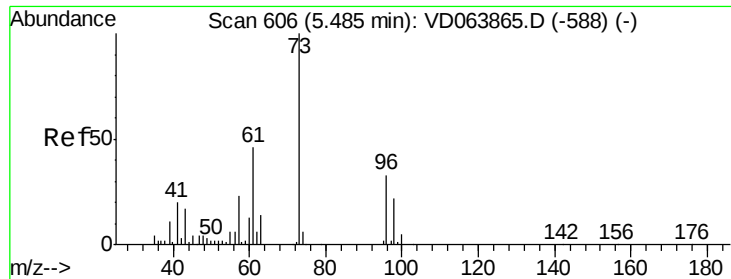
MMDadoda
10/24/2019 4:53:23 PM



#18
Methyl Acetate
Concen: 25.474 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	15.4	20.8	31.2#





#19

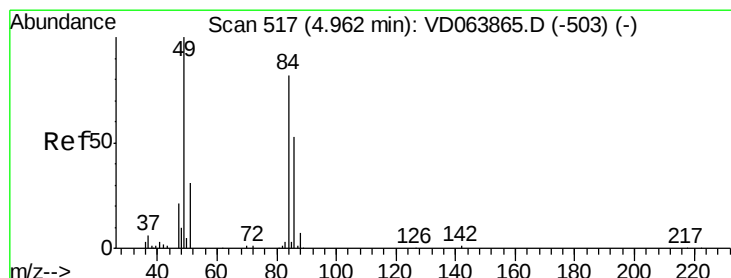
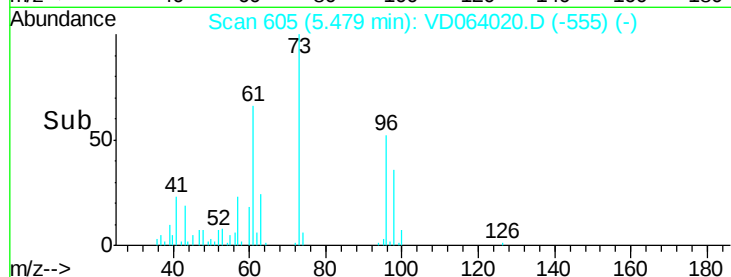
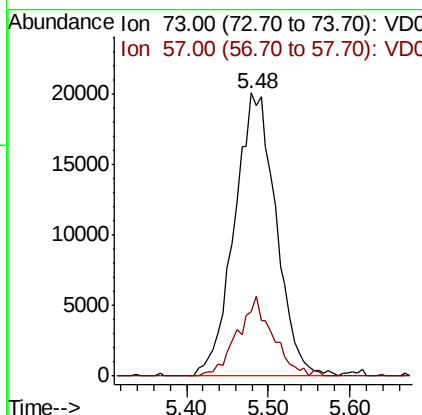
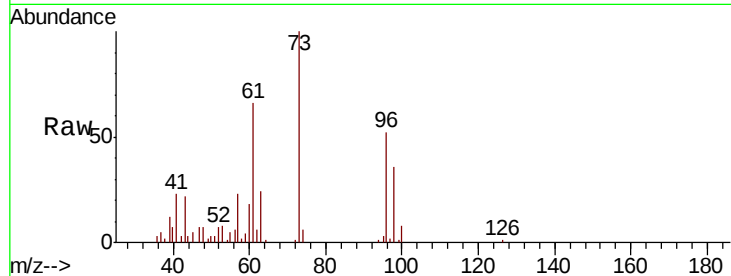
Methyl tert-butyl Ether
 Concen: 19.709 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1023SBS01

Tot Ion	73	Resp	71255
Ion	Ratio	Lower	Upper
73	100		
57	22.8	18.1	27.1

Manual Integrations
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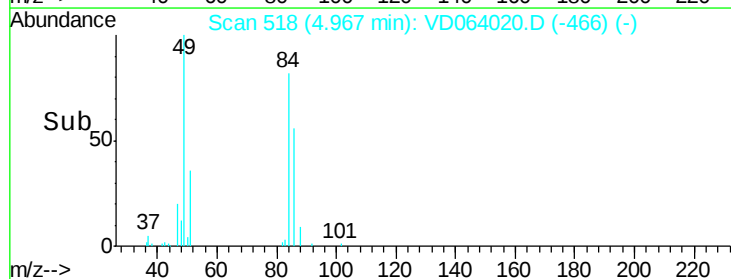
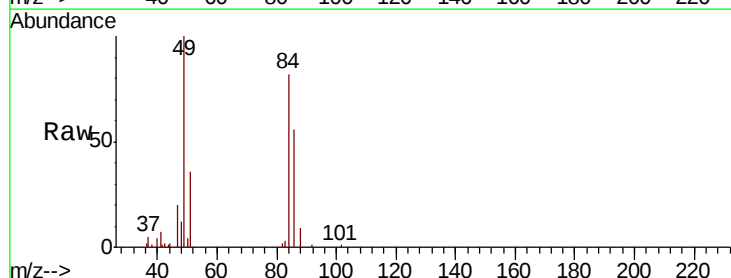
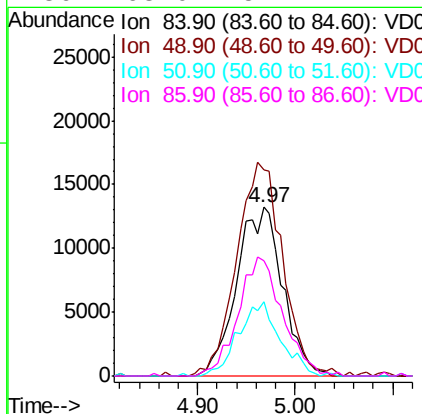
MMDadoda
 10/24/2019 4:53:23 PM

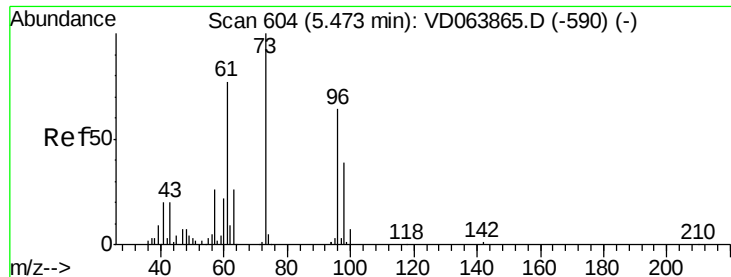


#20

Methylene Chloride
 Concen: 21.486 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion	84	Resp	43474
Ion	Ratio	Lower	Upper
84	100		
49	122.2	97.3	145.9
51	43.7	30.1	45.1
86	68.0	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 20.992 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

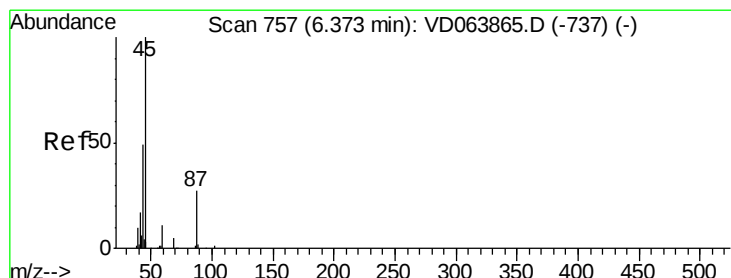
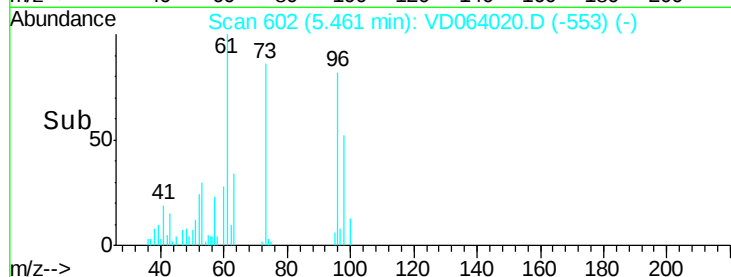
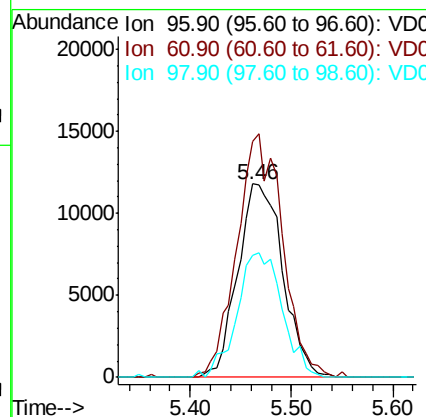
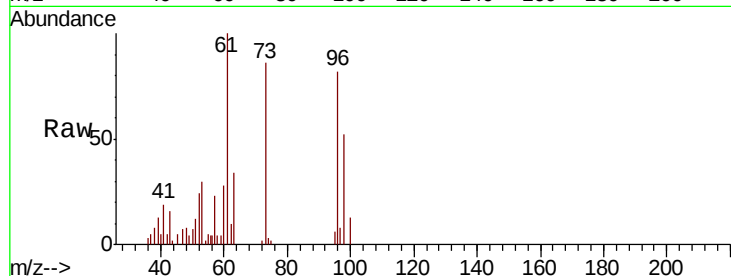
ClientSampleId :

VD1023SBS01

Tot Ion:	96	Resp:	36485
Ion	Ratio	Lower	Upper
96	100		
61	122.1	96.6	145.0
98	63.3	48.7	73.1

Manual Integrations
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MMDadoda
10/24/2019 4:53:23 PM



#22

Diisopropyl ether

Concen: 21.699 ug/l

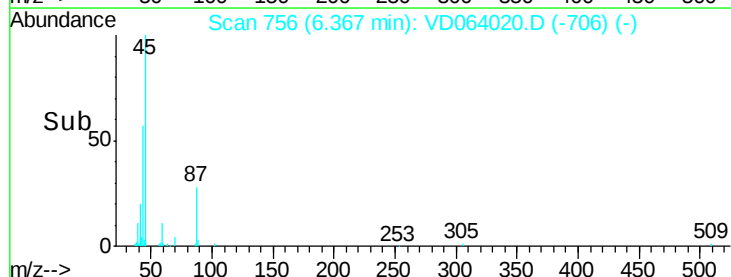
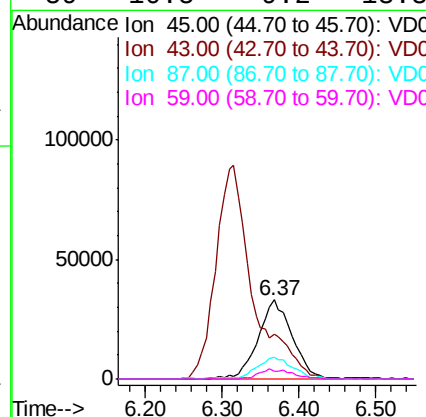
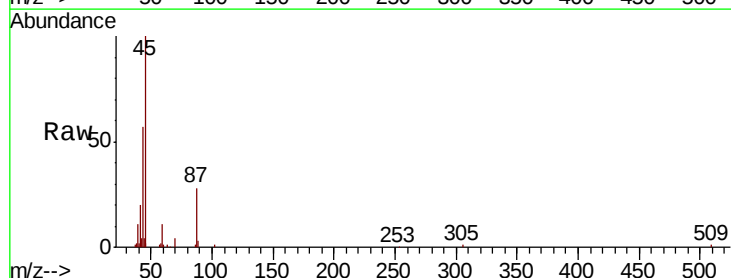
RT: 6.37 min Scan# 756

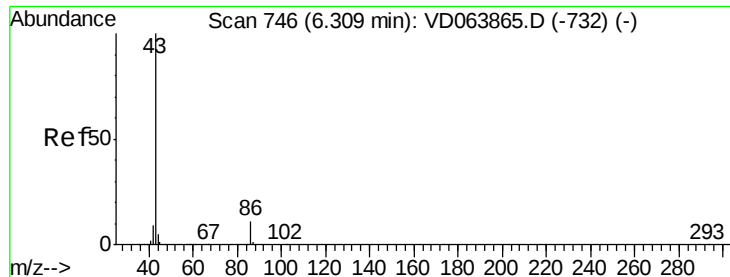
Delta R.T. -0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Tgt Ion:	45	Resp:	102867
Ion	Ratio	Lower	Upper
45	100		
43	56.7	41.2	61.8
87	27.7	22.2	33.4
59	10.5	9.2	13.8





#23

Vinyl Acetate

Concen: 106.081 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleID :

VD1023SBS01

Tot Ion: 43 Resp: 299167

Ion Ratio Lower Upper

43 100

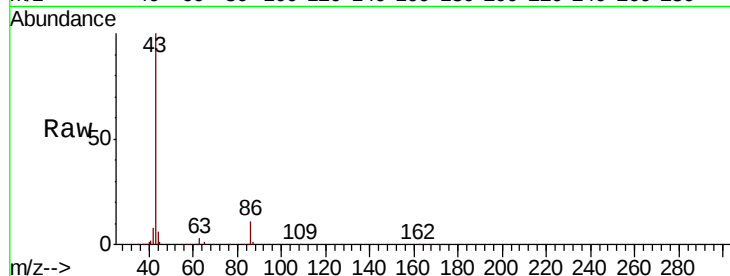
86 11.3 8.8 13.2

Manual Integrations

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MMDadoda

10/24/2019 4:53:23 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

100000

80000

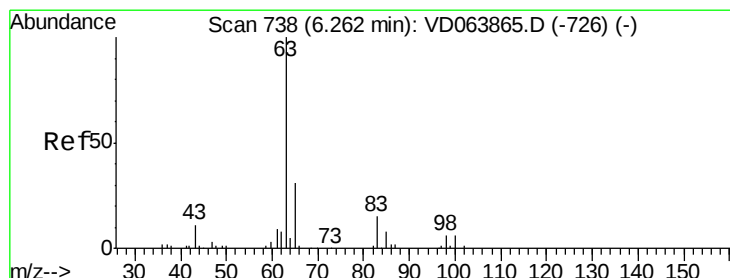
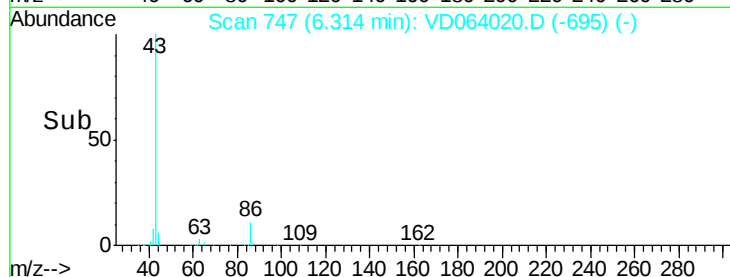
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.430 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

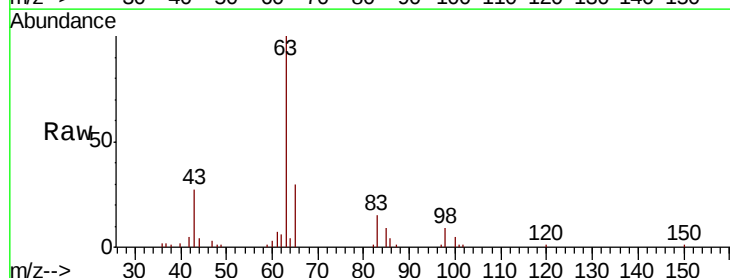
Tgt Ion: 63 Resp: 62577

Ion Ratio Lower Upper

63 100

98 8.5 3.1 9.4

100 4.9 3.0 9.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

30000

25000

20000

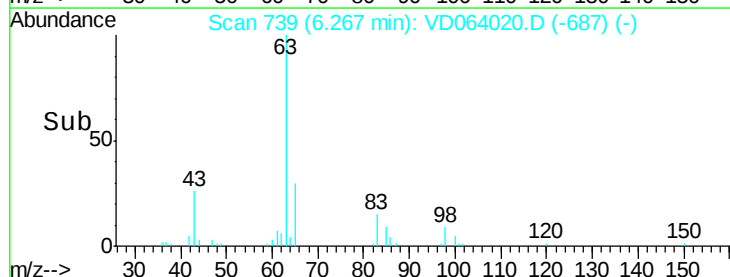
15000

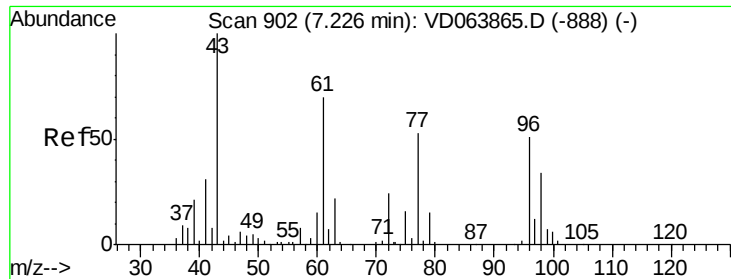
10000

5000

0

Time-->





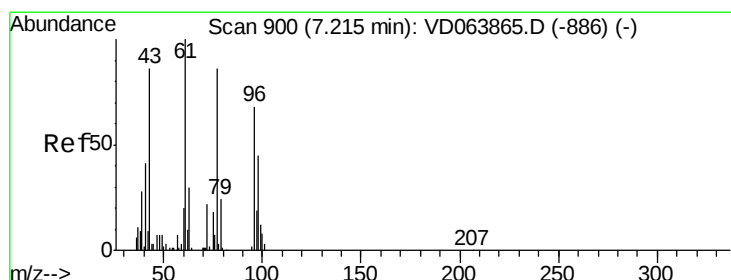
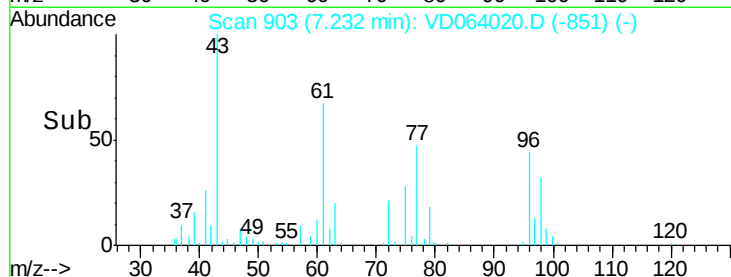
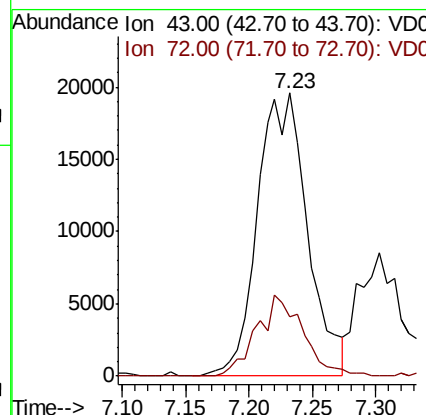
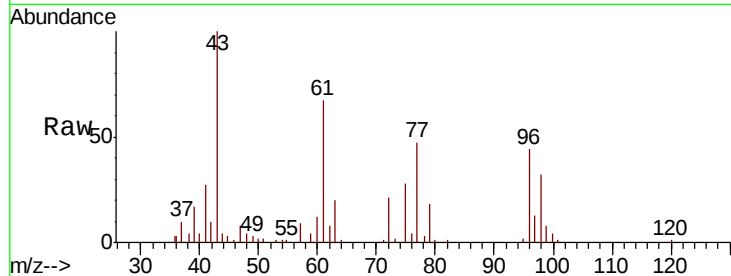
#25
2-Butanone
Concen: 107.240 ug/l
RT: 7.23 min Scan# 903
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion: 43 Resp: 53666
Ion Ratio Lower Upper
43 100
72 21.1 19.2 28.8

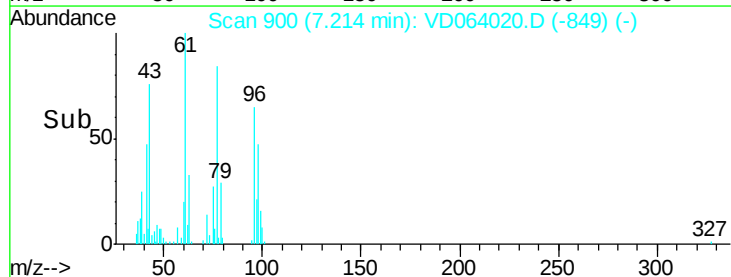
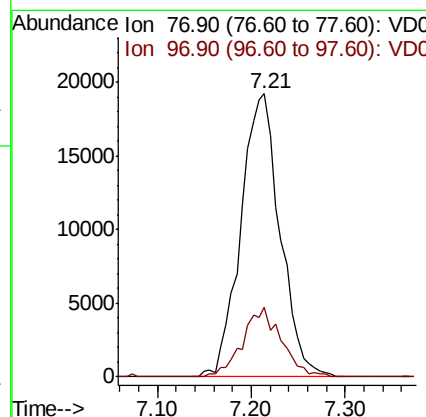
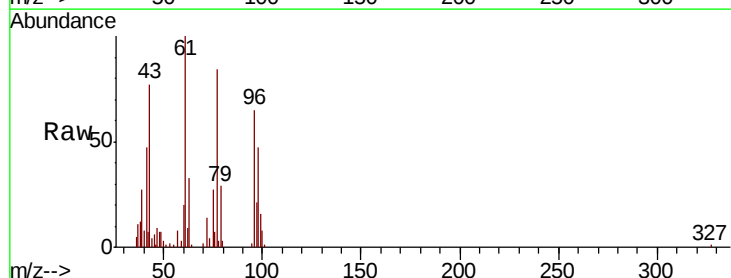
Manual Integrations
APPROVED

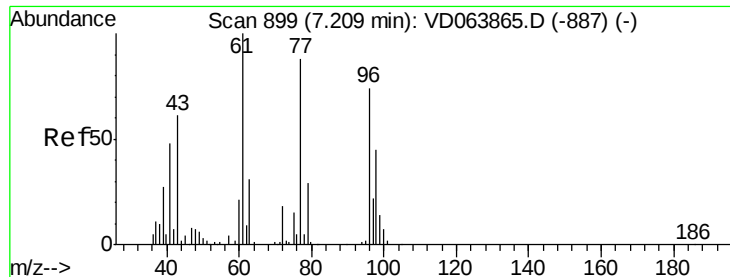
MMDadoda
10/24/2019 4:53:23 PM



#26
2,2-Dichloropropane
Concen: 21.010 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion: 77 Resp: 55497
Ion Ratio Lower Upper
77 100
97 24.2 11.4 34.1





#27

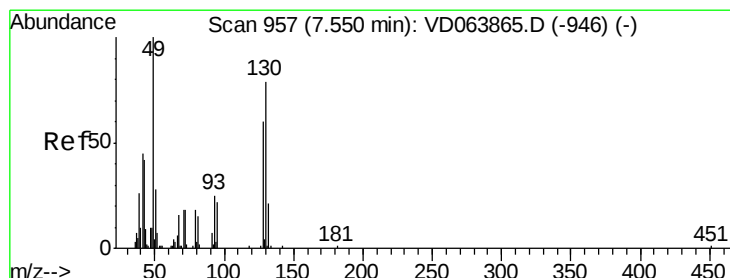
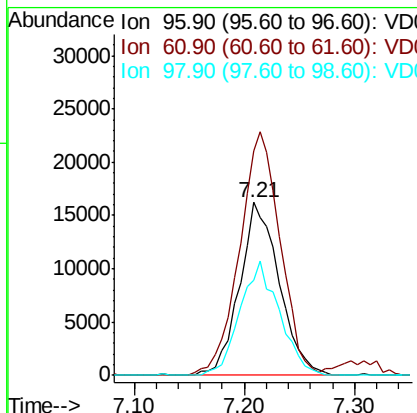
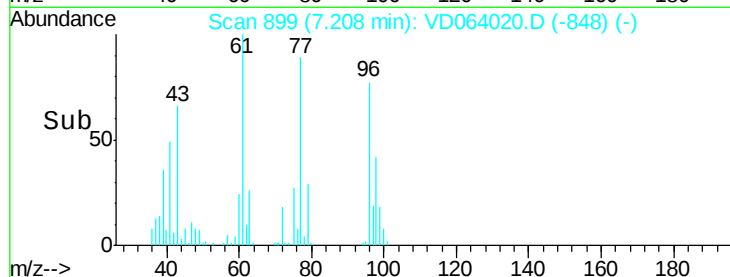
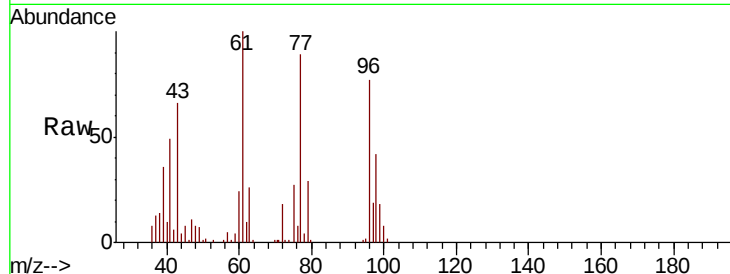
cis-1,2-Dichloroethene
Concen: 20.822 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	280.0
98	65.7	0.0	130.4

Manual Integrations
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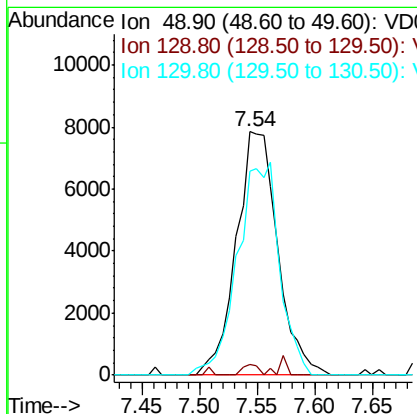
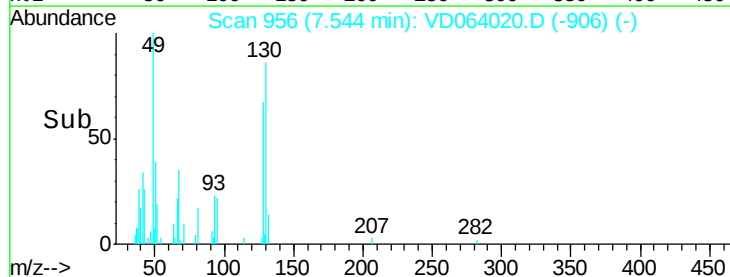
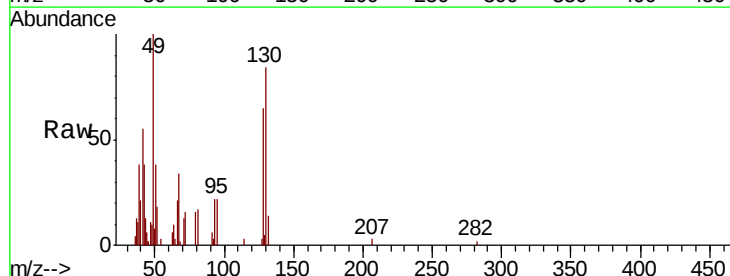
MMDadoda
10/24/2019 4:53:23 PM

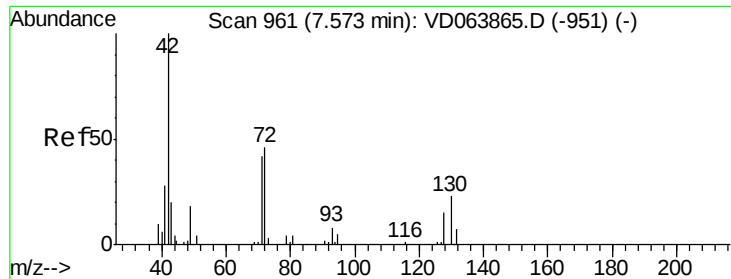


#28

Bromochloromethane
Concen: 18.886 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	5.6
130	0.0	66.8	100.2#





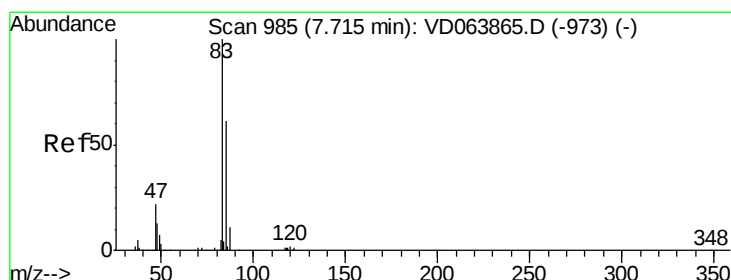
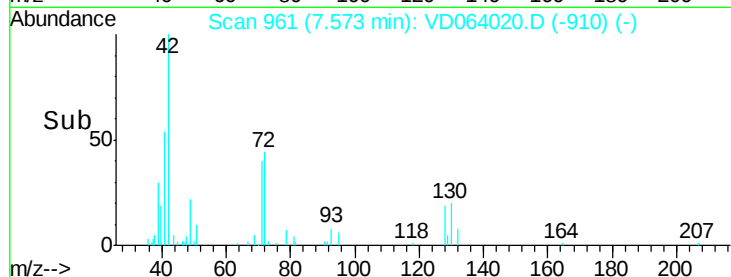
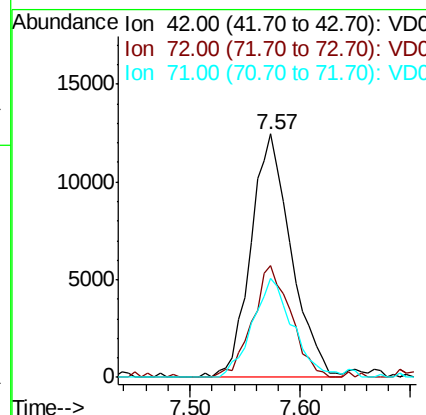
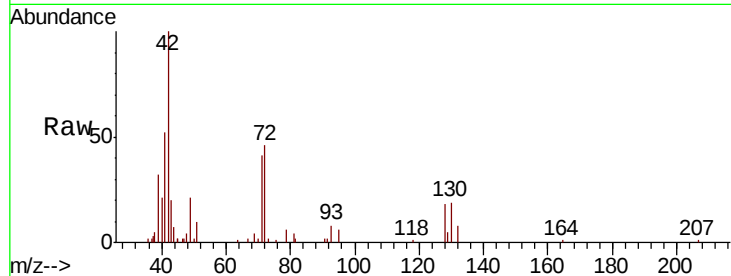
#29
Tetrahydrofuran
Concen: 109.339 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	37.6	56.4
71	40.5	35.0	52.6

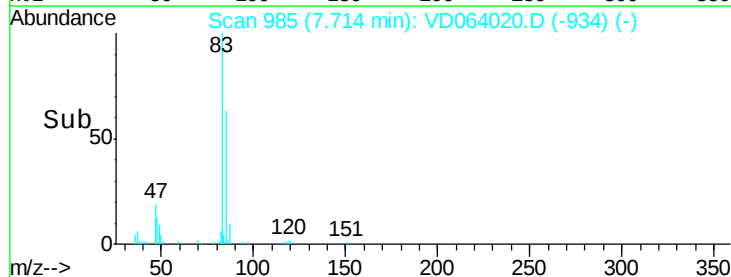
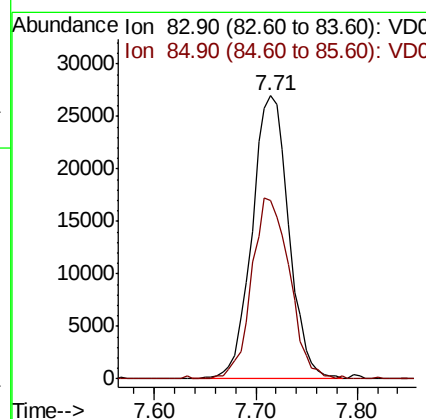
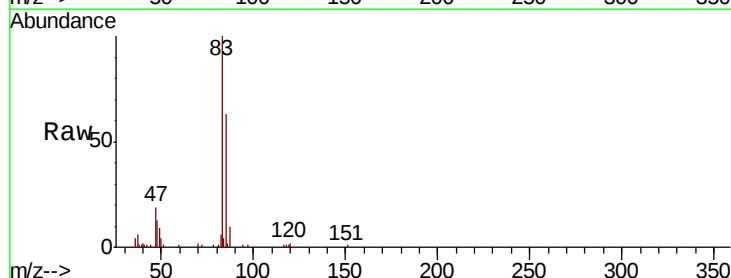
Manual Integrations
APPROVED

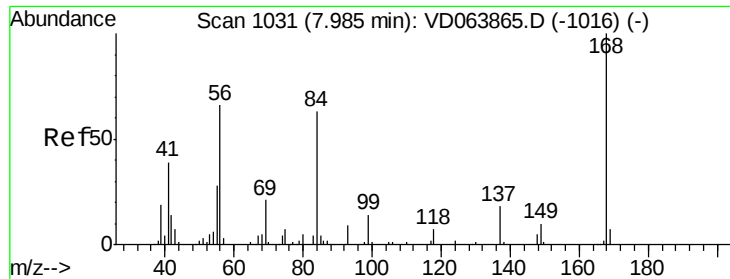
MMDadoda
10/24/2019 4:53:23 PM



#30
Chloroform
Concen: 21.382 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	48.9	73.3





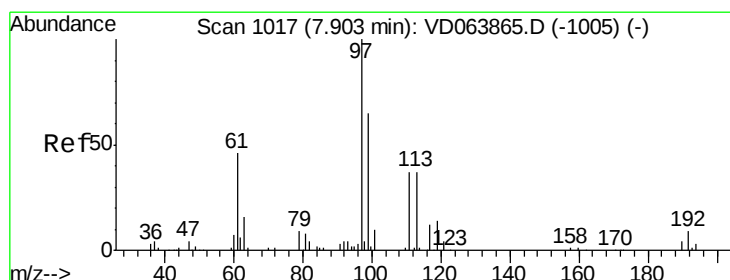
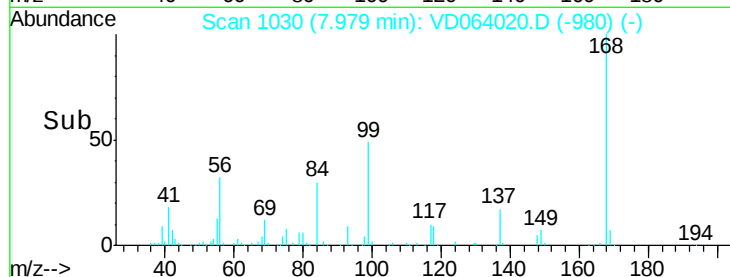
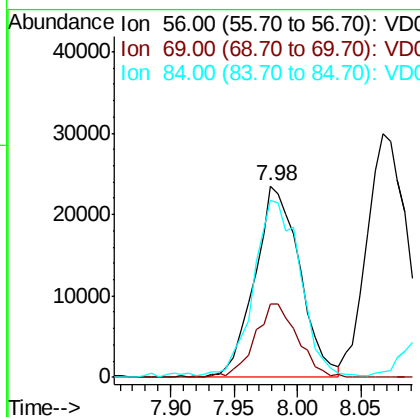
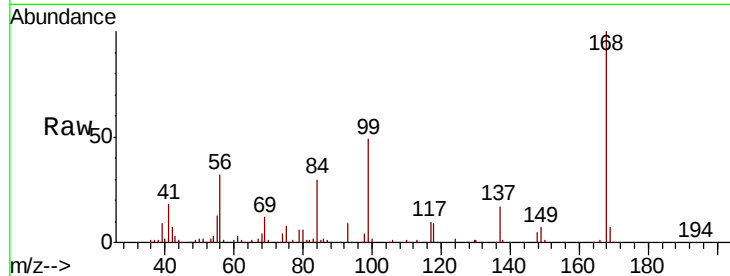
#31
Cyclohexane
Concen: 21.903 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	56	Resp	58294
Ion	Ratio	Lower	Upper
56	100		
69	38.5	25.0	37.4#
84	90.7	76.3	114.5

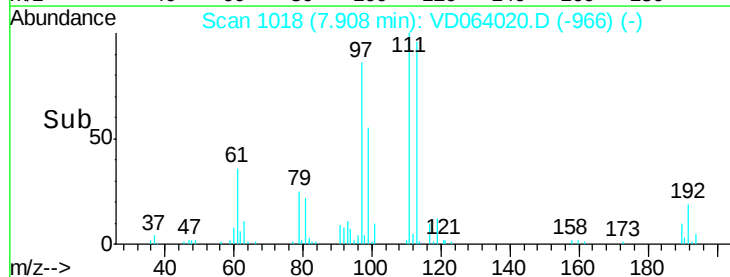
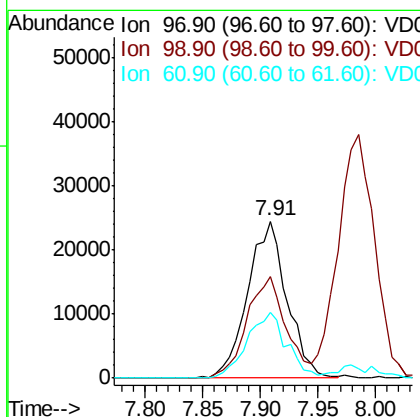
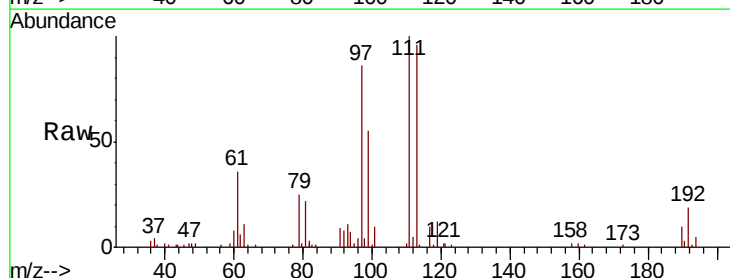
Manual Integrations
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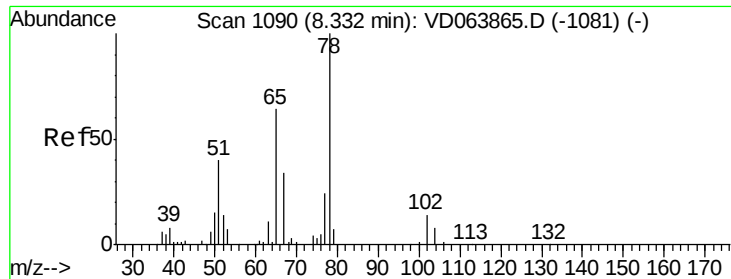
MMDadoda
10/24/2019 4:53:23 PM



#32
1,1,1-Trichloroethane
Concen: 21.353 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion	97	Resp	58093
Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.4	78.6
61	42.7	33.8	50.8





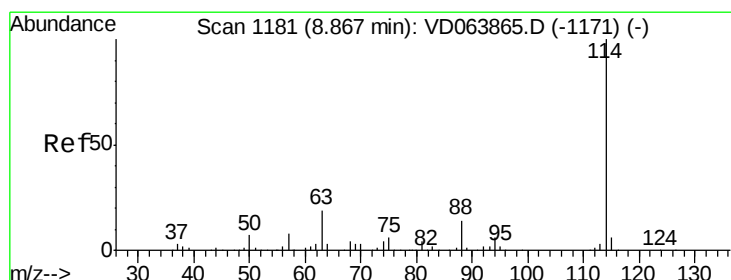
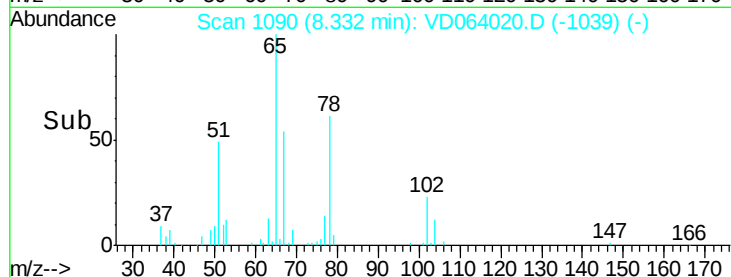
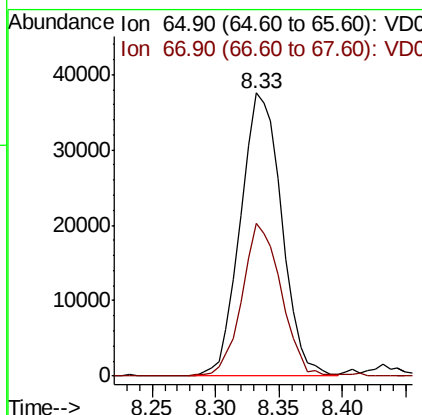
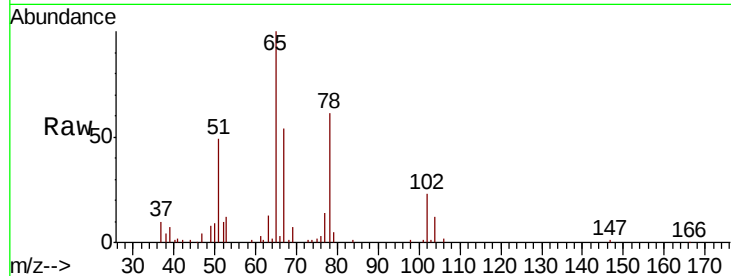
#33
 1,2-Dichloroethane-d4
 Concen: 52.380 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.4

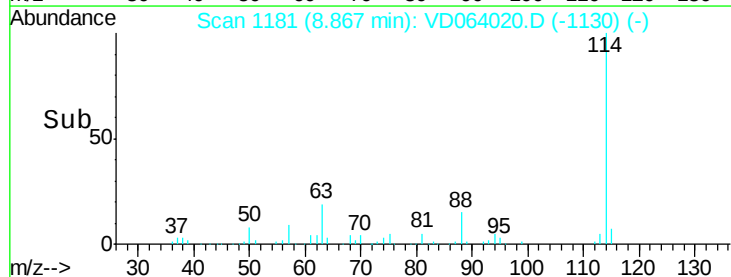
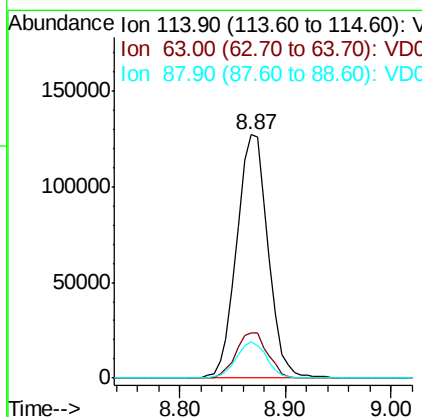
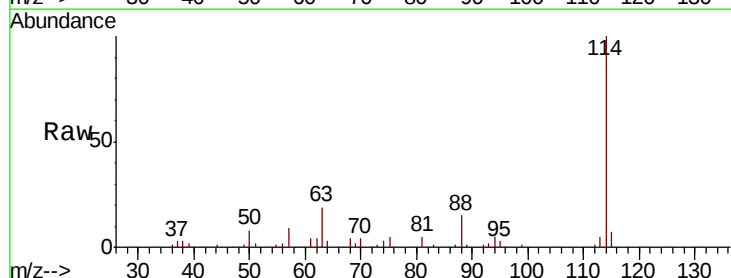
Manual Integrations
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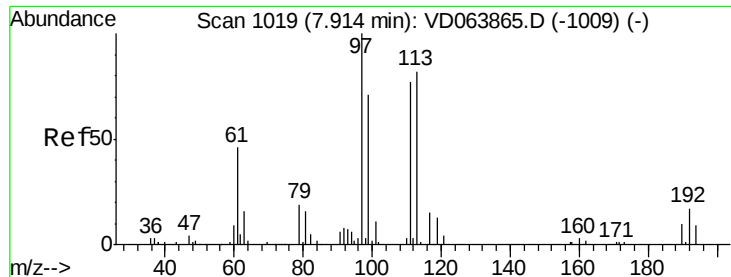
MMDadoda
 10/24/2019 4:53:23 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.4
88	14.8	0.0	27.4





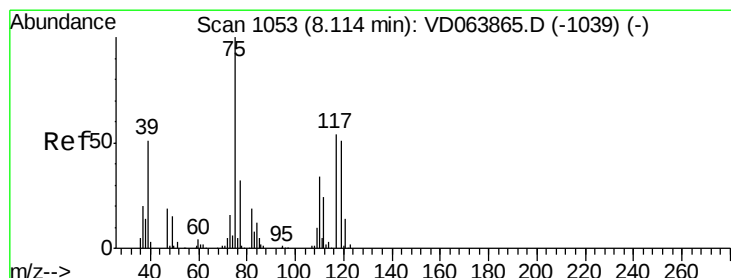
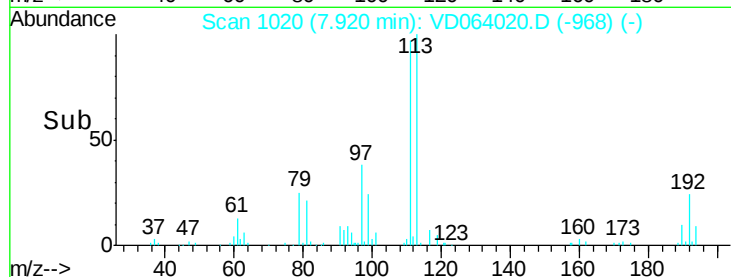
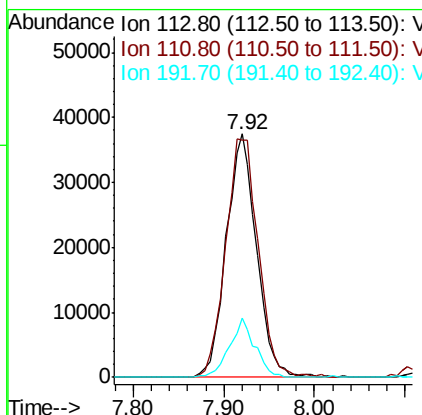
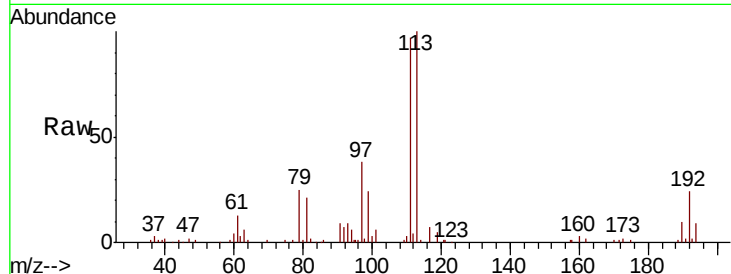
#35
 Dibromofluoromethane
 Concen: 54.122 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.0	82.6	123.8
192	20.6	17.1	25.7

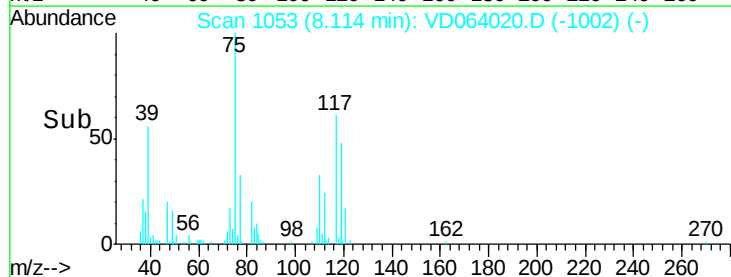
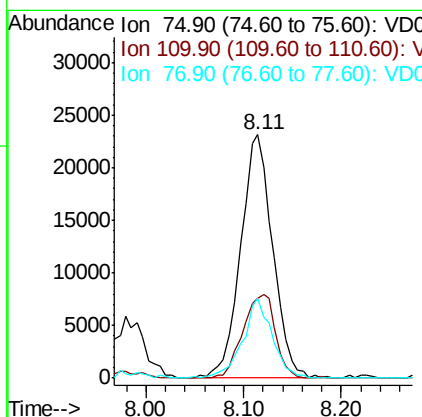
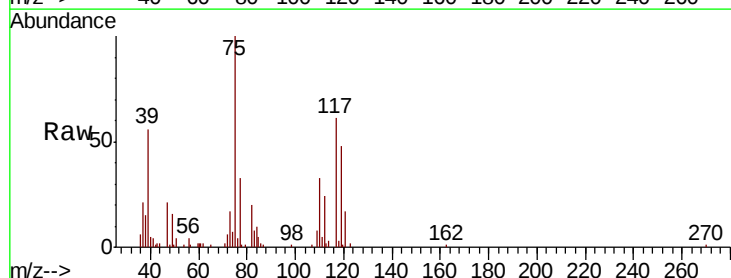
Manual Integrations
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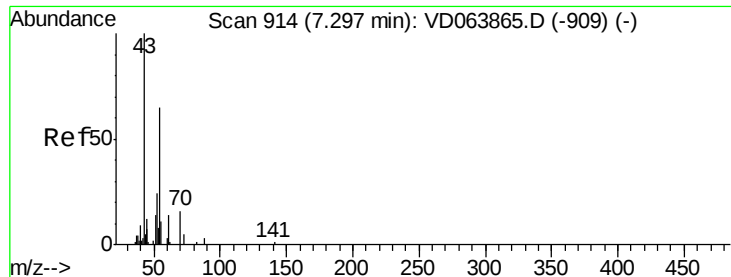
MMDadoda
 10/24/2019 4:53:23 PM



#36
 1,1-Dichloropropene
 Concen: 22.227 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.4	52.3
77	30.3	25.4	38.0





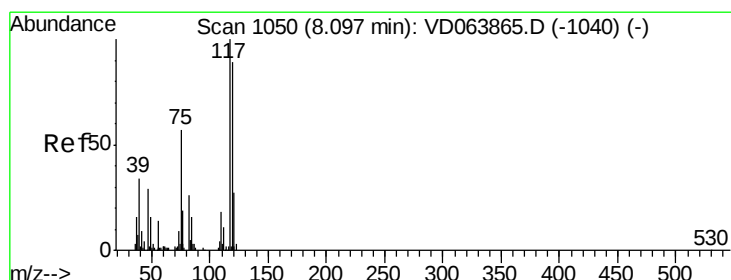
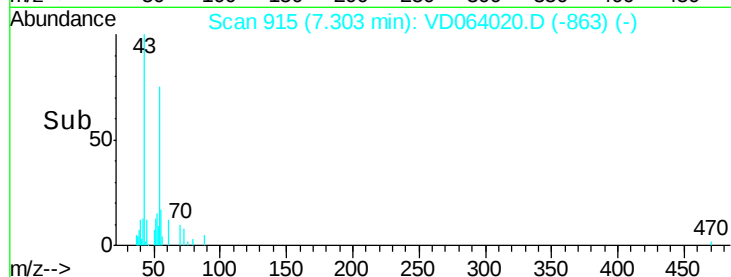
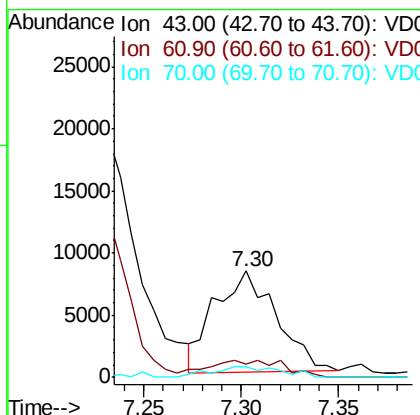
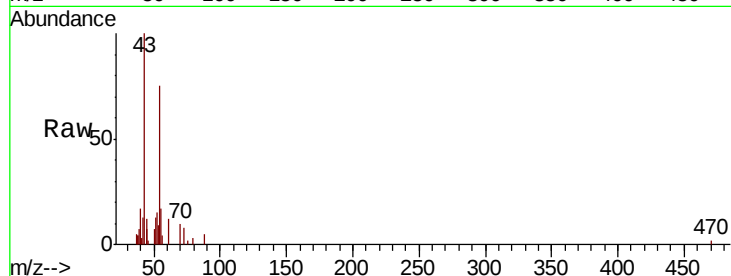
#37
Ethyl Acetate
Concen: 15.594 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleID :
VD1023SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	11.7	8.2	12.4

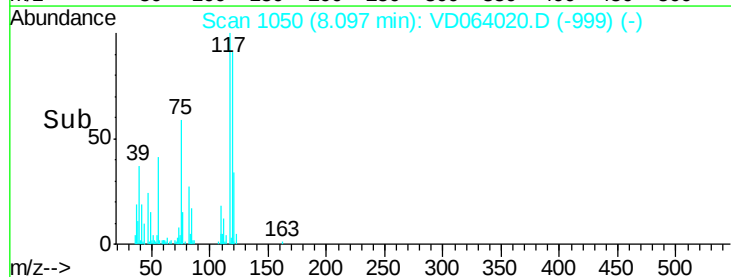
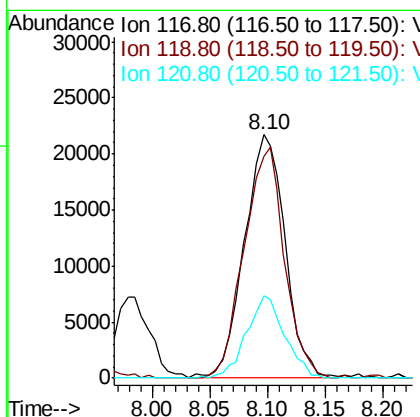
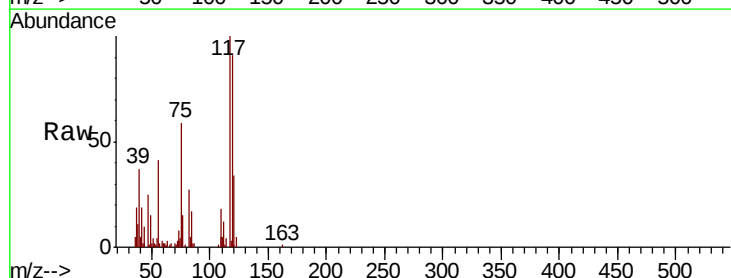
Manual Integrations
APPROVED

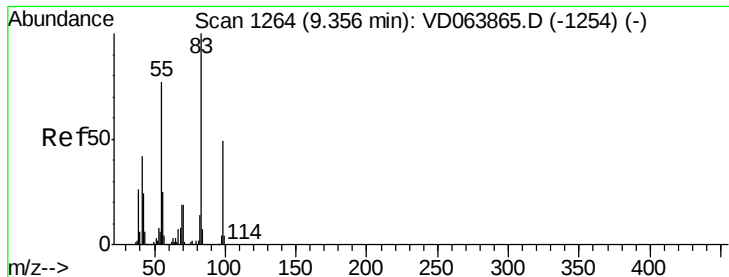
MMDadoda
10/24/2019 4:53:23 PM



#38
Carbon Tetrachloride
Concen: 22.035 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.1	70.8	106.2
121	33.6	21.4	32.0#





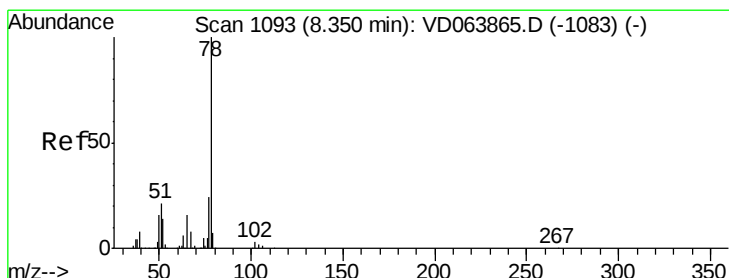
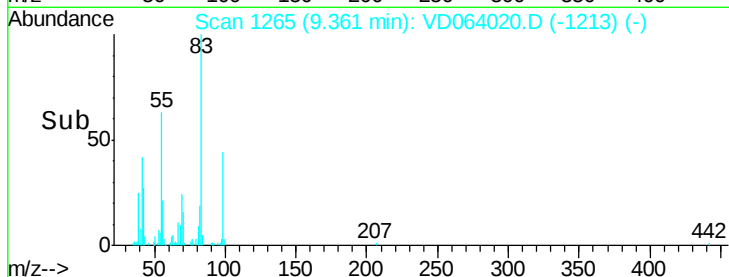
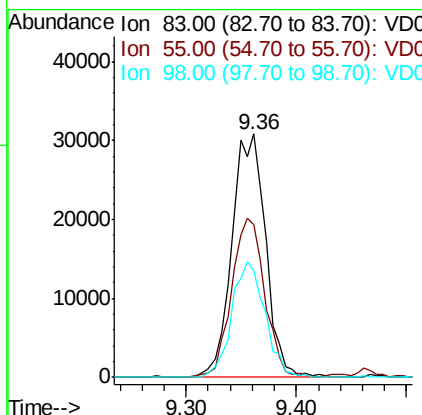
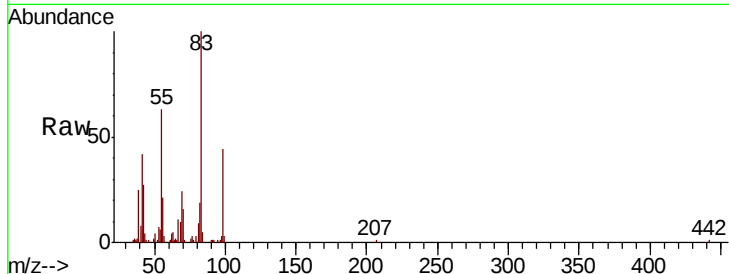
#39
Methvlcvclohexane
Concen: 22.464 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	62.7	61.3	91.9
98	44.0	39.3	58.9

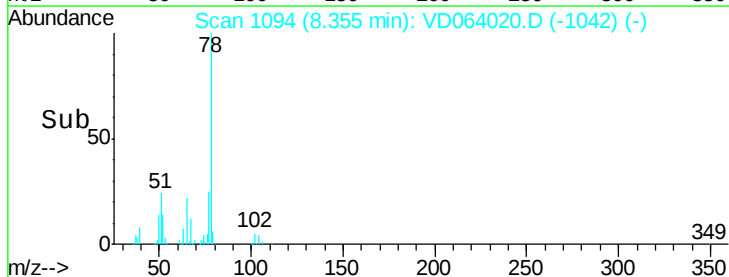
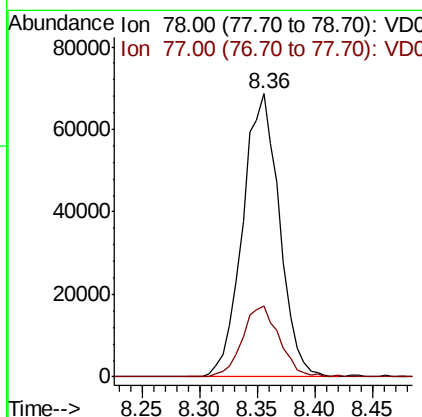
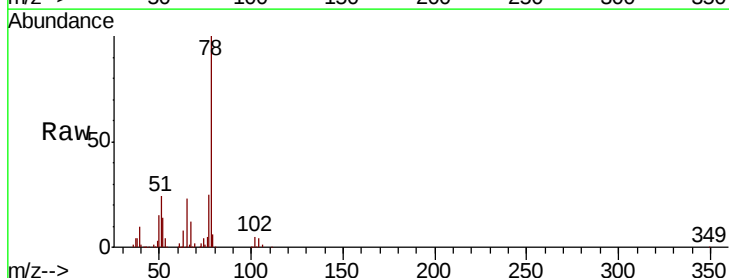
Manual Integrations
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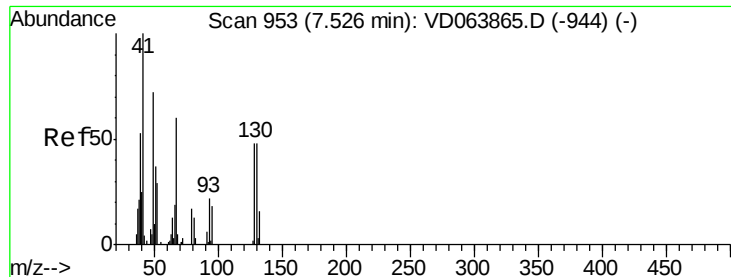
MMDadoda
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#40
Benzene
Concen: 22.221 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.0	28.6





#41

Methacrylonitrile

Concen: 22.479 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

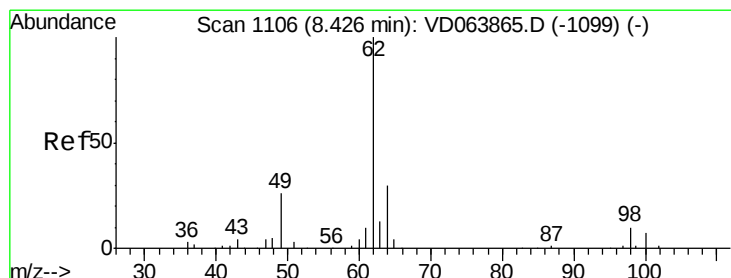
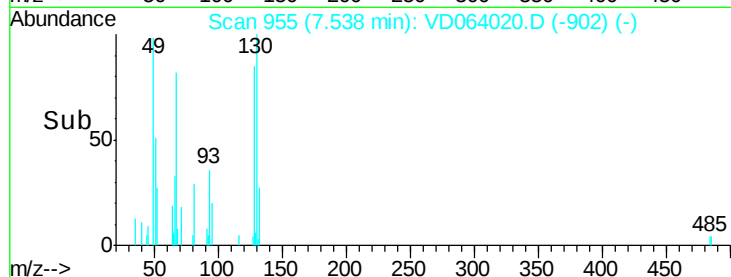
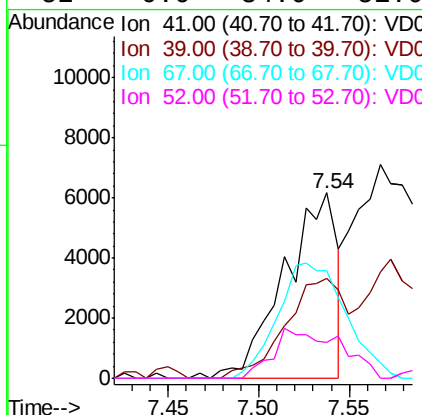
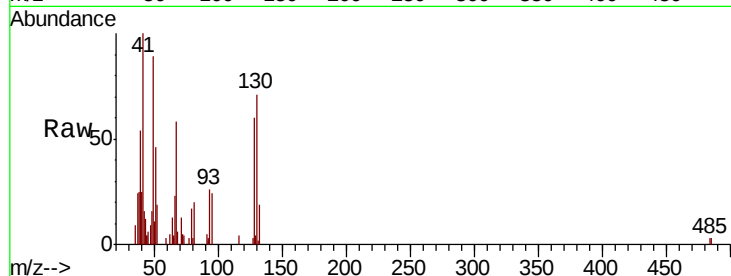
ClientSampleId :

VD1023SBS01

Tot Ion:	41	Resp:	12464
Ion	Ratio	Lower	Upper
41	100		
39	60.9	52.6	78.8
67	80.6	74.2	111.2
52	0.0	34.0	51.0#

Manual Integrations
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10/24/2019 4:53:23 PM



#42

1,2-Dichloroethane

Concen: 21.993 ug/l

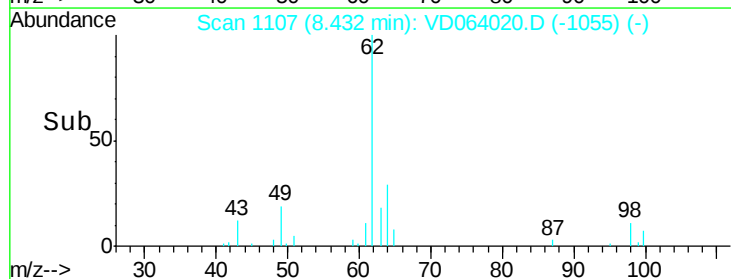
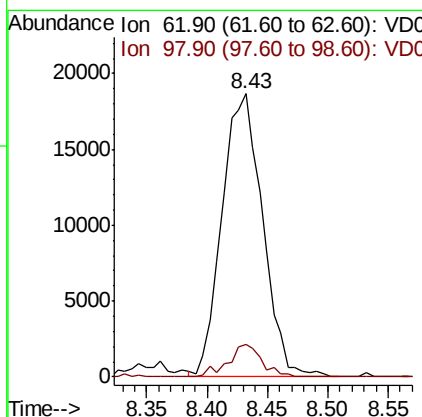
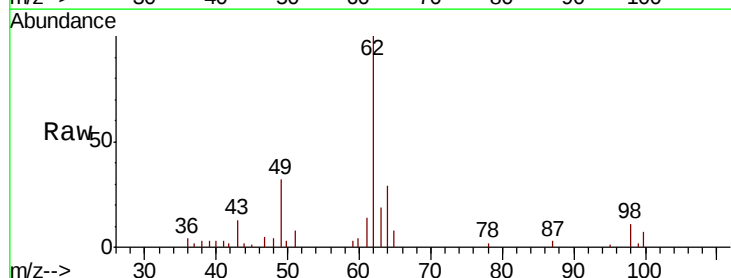
RT: 8.43 min Scan# 1107

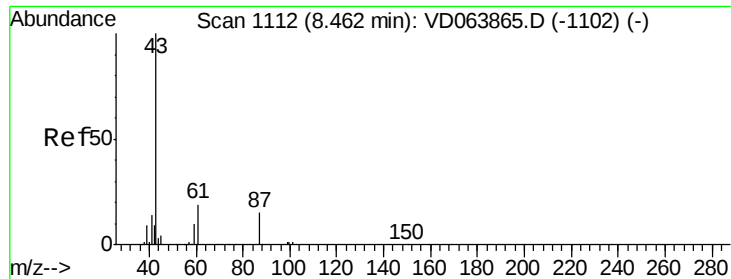
Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Tgt Ion:	62	Resp:	43600
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	20.0





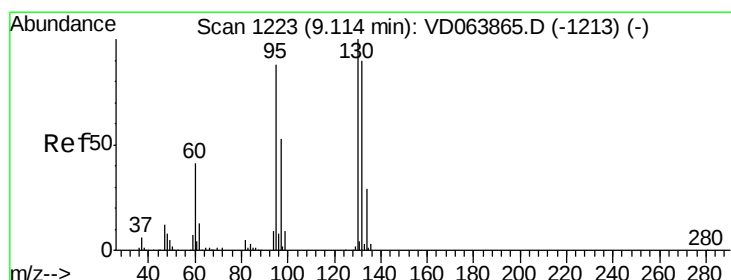
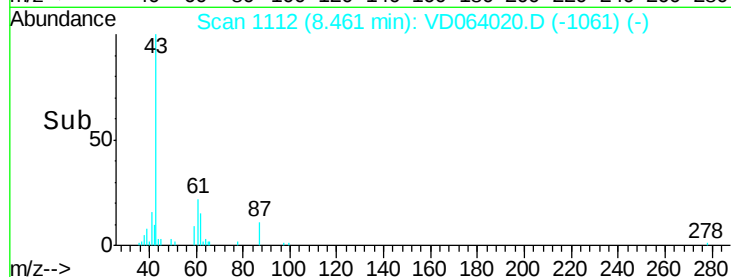
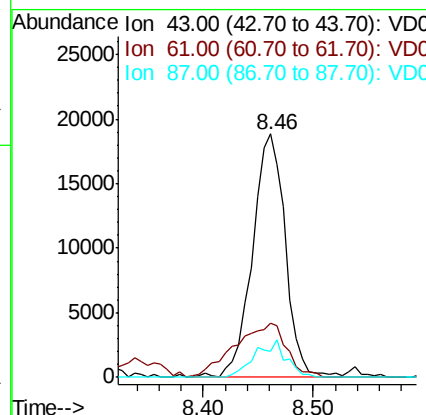
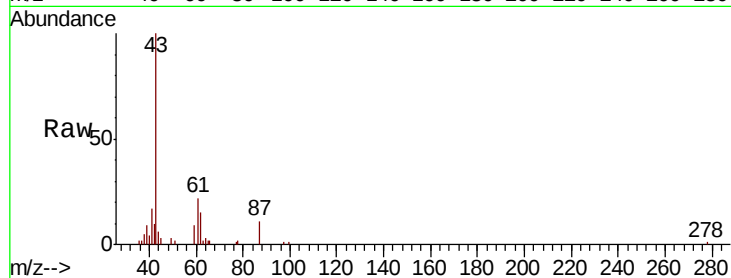
#43
Isopropyl Acetate
Concen: 19.713 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	34.5	25.7	38.5
87	14.4	11.6	17.4

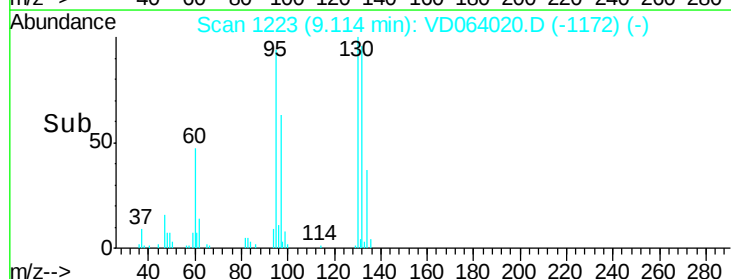
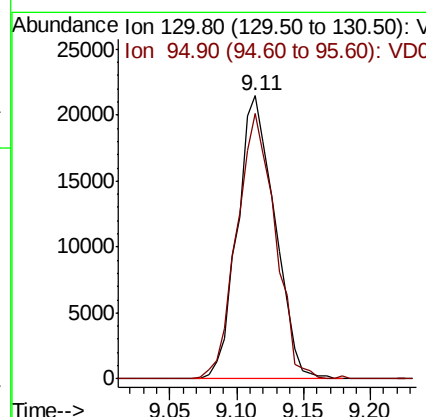
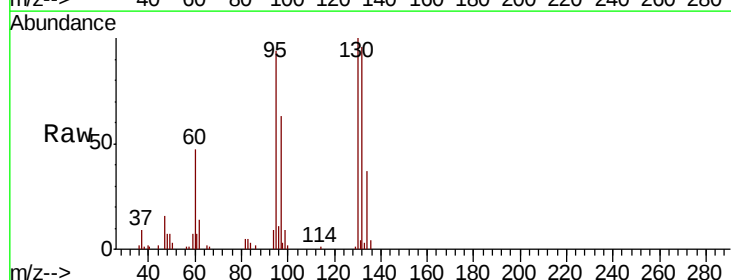
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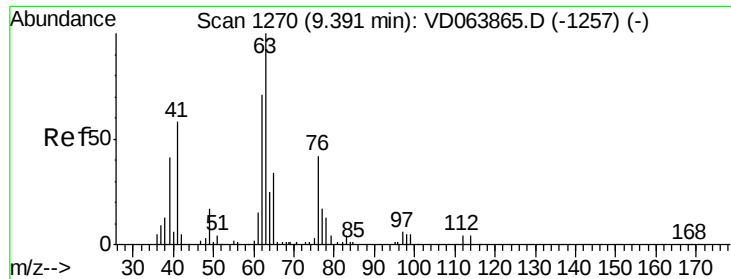
MMDadoda
10/24/2019 4:53:23 PM



#44
Trichloroethene
Concen: 21.234 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.8	0.0	175.6





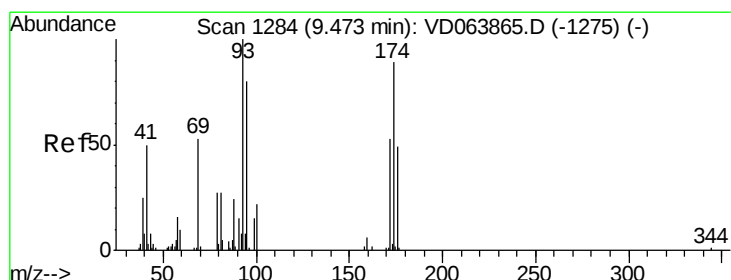
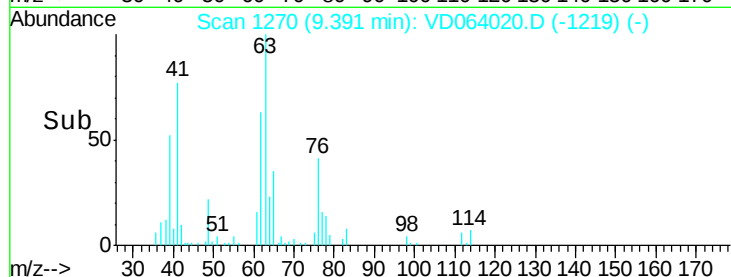
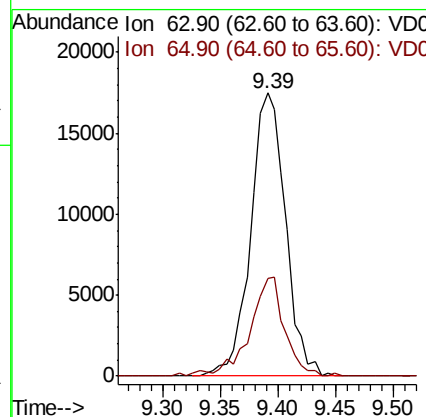
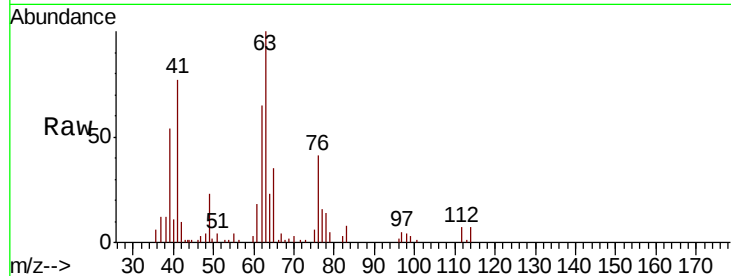
#45
 1,2-Dichloropropane
 Concen: 21.946 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	34.6	27.3	40.9

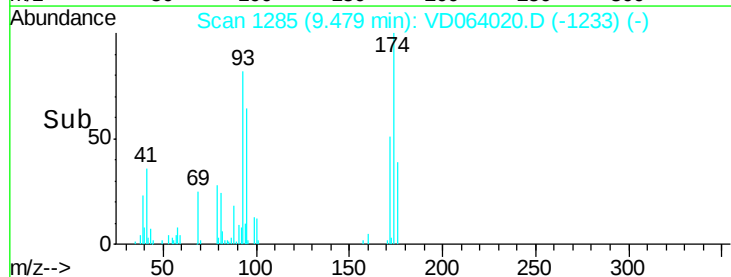
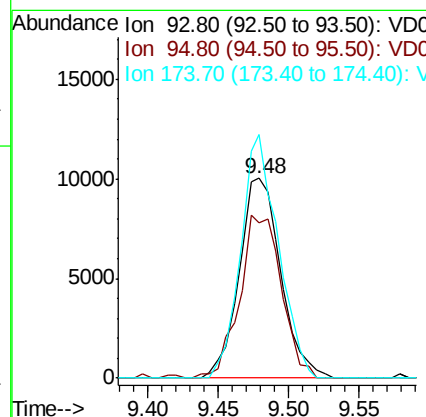
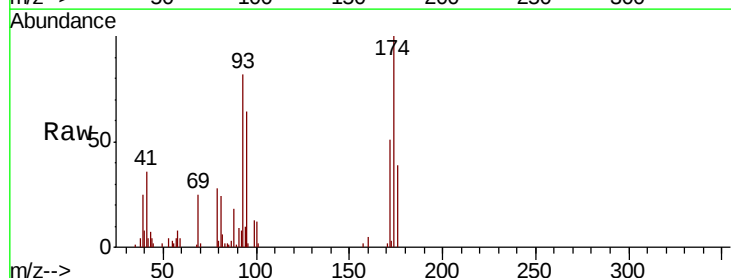
Manual Integrations
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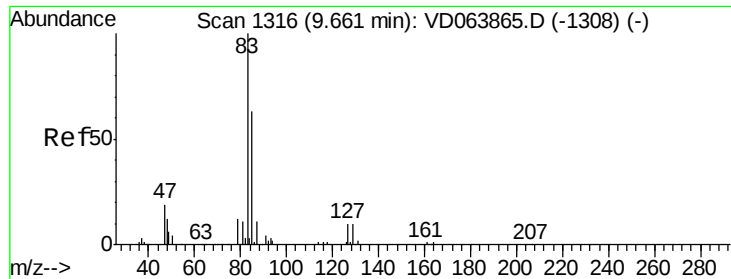
MMDadoda
 10/24/2019 4:53:23 PM



#46
 Dibromomethane
 Concen: 21.611 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.0	99.0
174	109.6	83.4	125.0





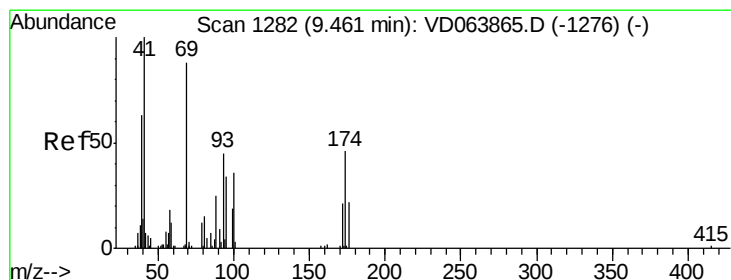
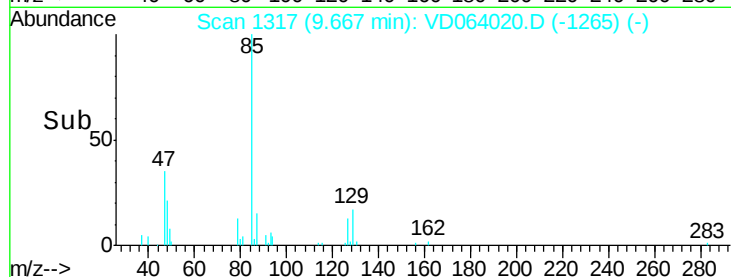
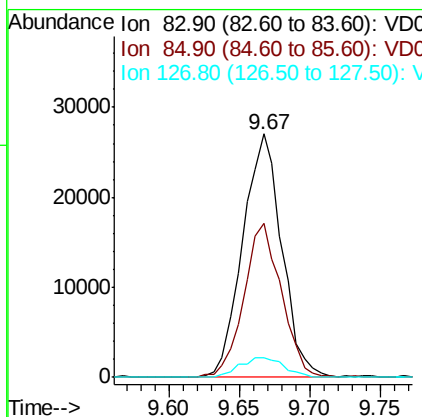
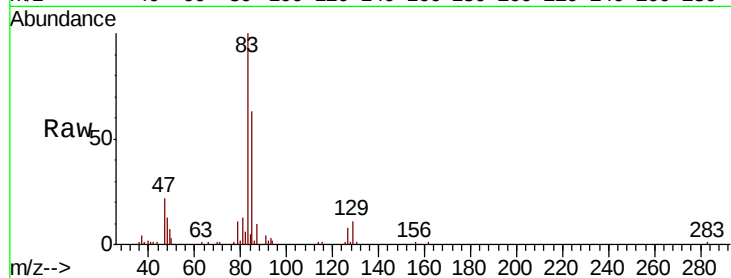
#47
Bromodichloromethane
Concen: 21.343 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	83	Resp	52496
Ion Ratio	100	Lower	Upper
83	100		
85	63.2	50.2	75.2
127	8.0	7.6	11.4

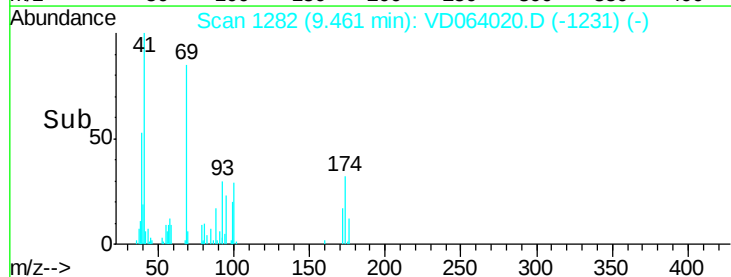
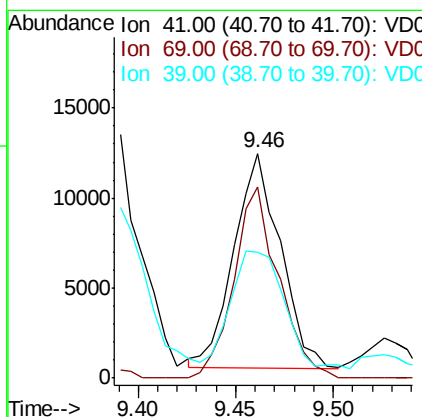
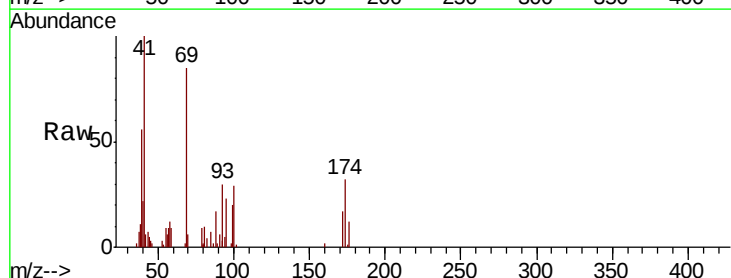
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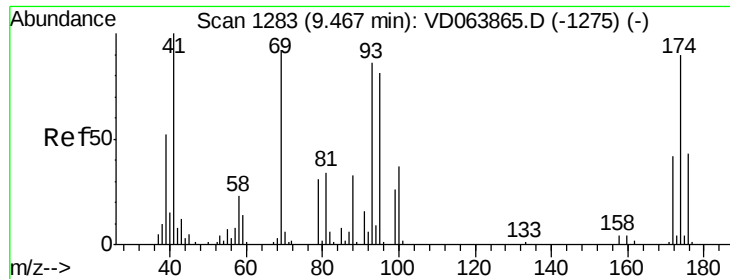
MMDadoda
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#48
Methyl methacrylate
Concen: 20.471 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion	41	Resp	19672
Ion Ratio	100	Lower	Upper
41	100		
69	85.5	75.1	112.7
39	72.8	50.2	75.2





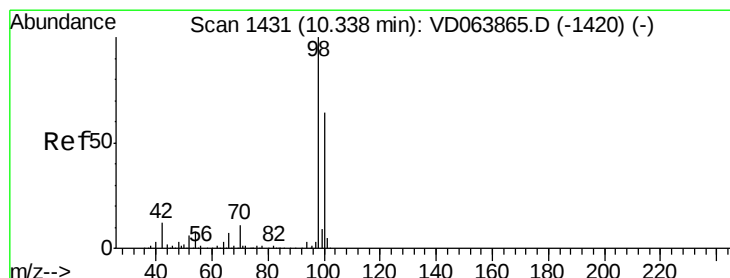
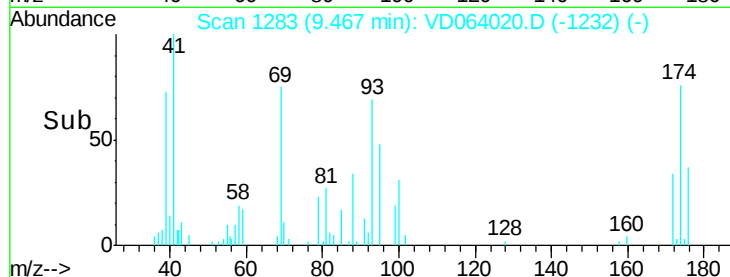
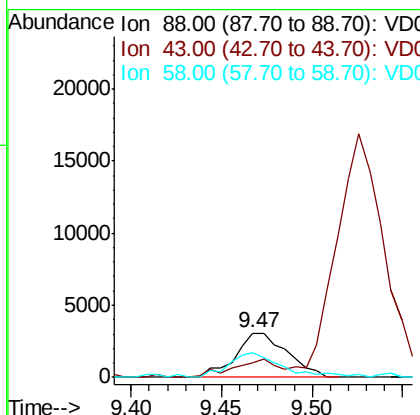
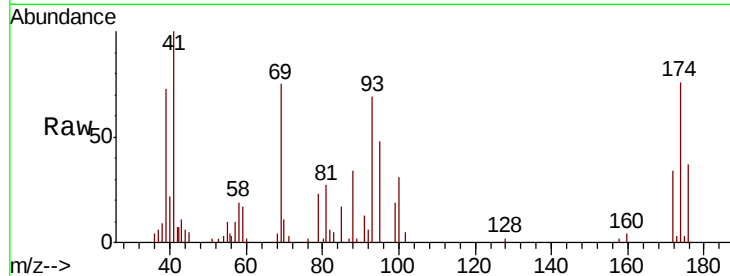
#49
1,4-Dioxane
Concen: 466.008 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.4	27.6	41.4
58	58.6	54.1	81.1

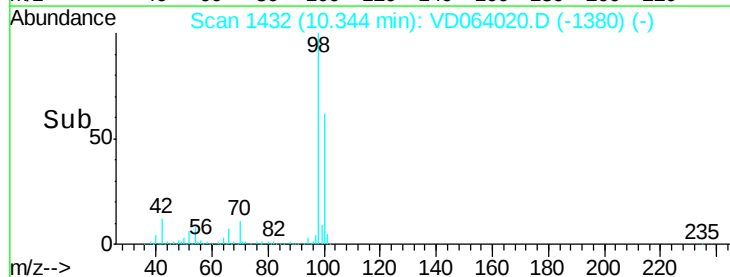
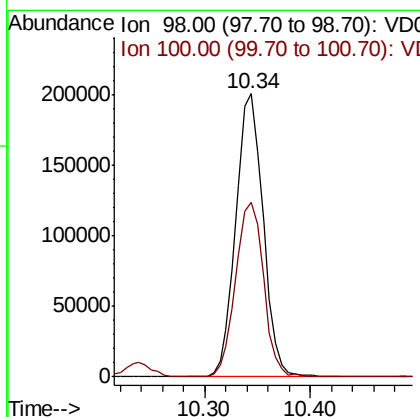
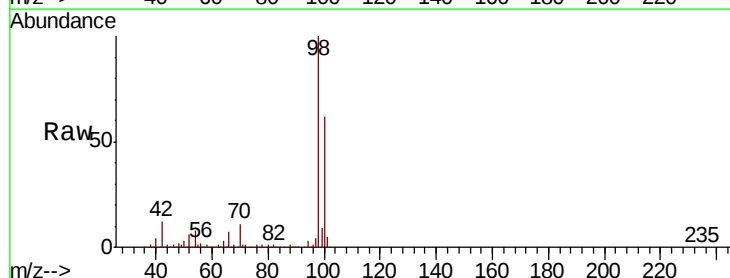
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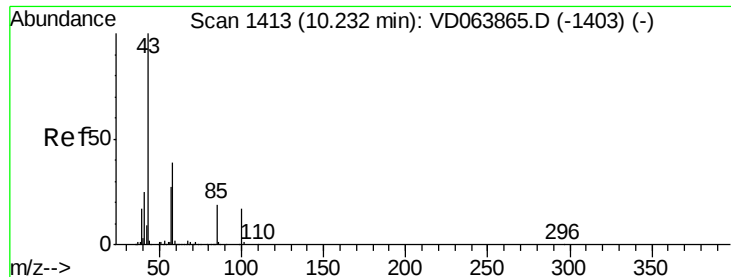
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#50
Toluene-d8
Concen: 55.355 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	52.1	78.1





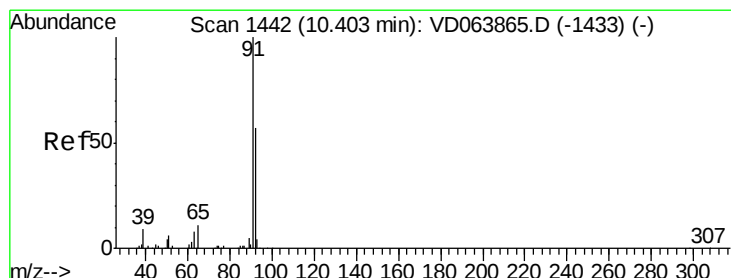
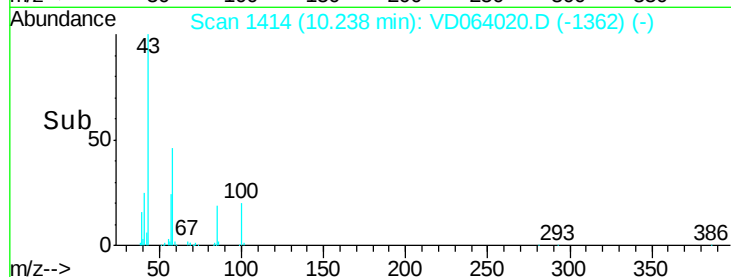
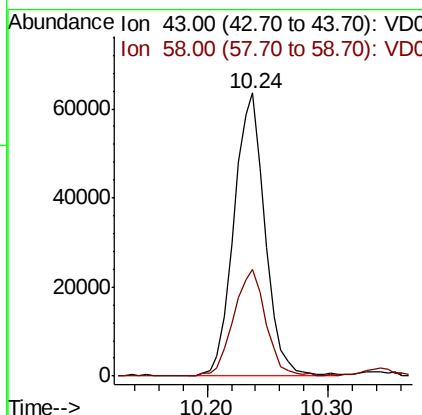
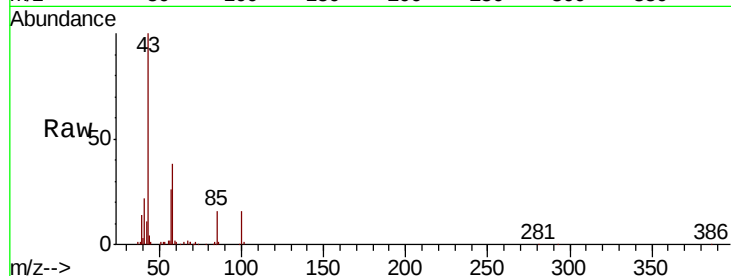
#51
4-Methyl-2-Pentanone
Concen: 109.374 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	43	Resp	113768
Ion Ratio	43	100	
Lower	58	39.0	33.0
Upper			49.4

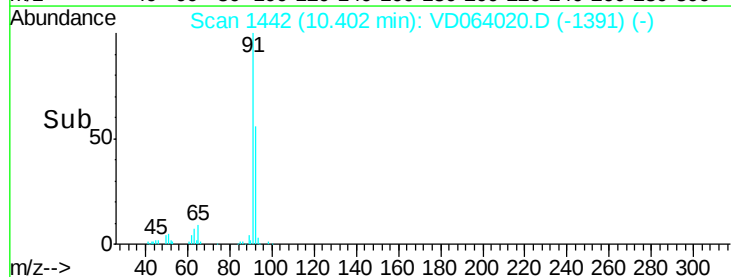
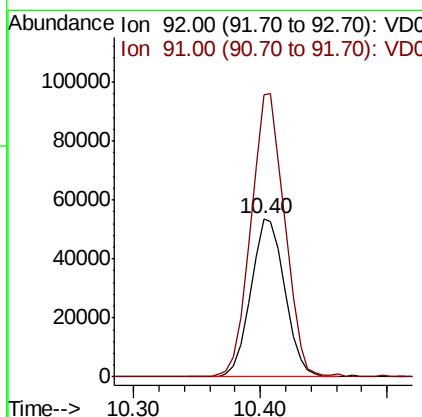
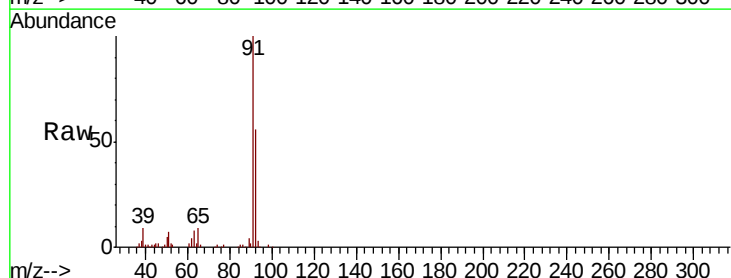
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#52
Toluene
Concen: 21.239 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion	92	Resp	99926
Ion Ratio	92	100	
Lower	91	178.4	139.5
Upper			209.3





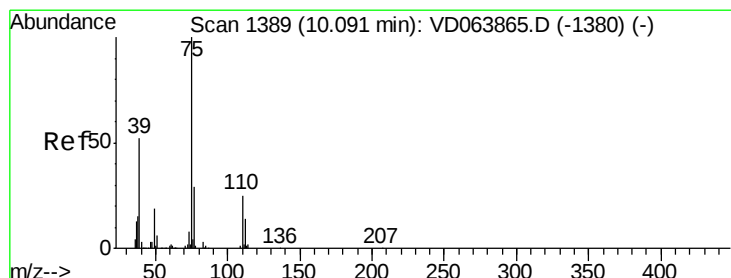
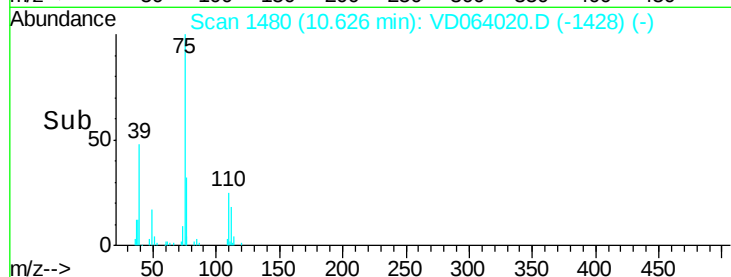
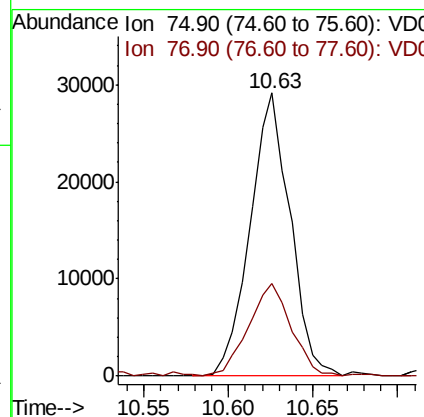
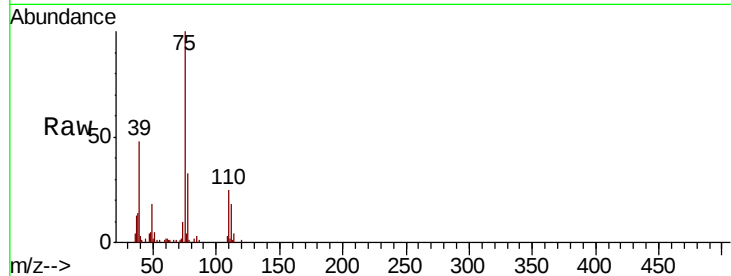
#53
 t-1,3-Dichloropropene
 Concen: 20.016 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBSD01

Tot Ion: 75 Resp: 48042
 Ion Ratio Lower Upper
 75 100
 77 32.8 22.8 34.2

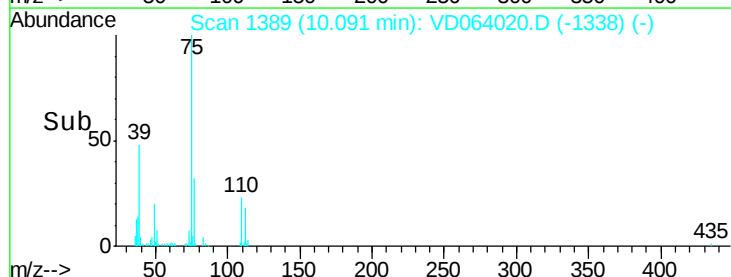
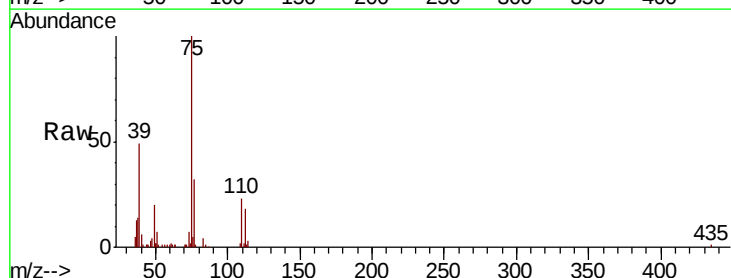
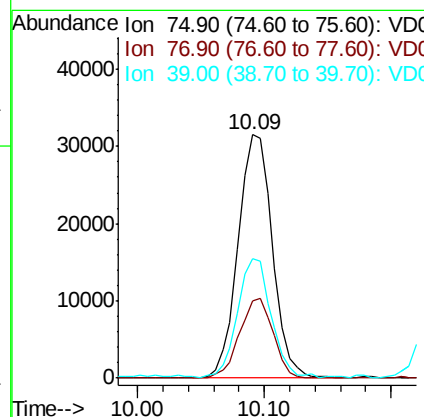
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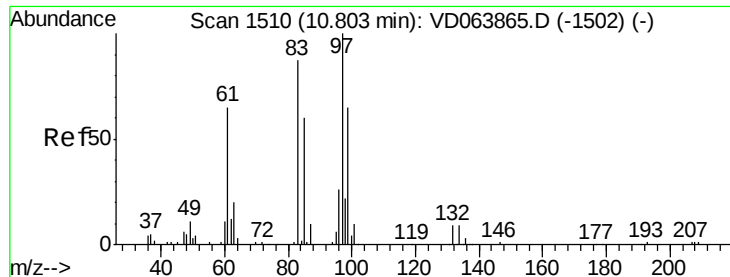
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#54
 cis-1,3-Dichloropropene
 Concen: 21.353 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion: 75 Resp: 58997
 Ion Ratio Lower Upper
 75 100
 77 31.6 23.2 34.8
 39 48.3 41.5 62.3





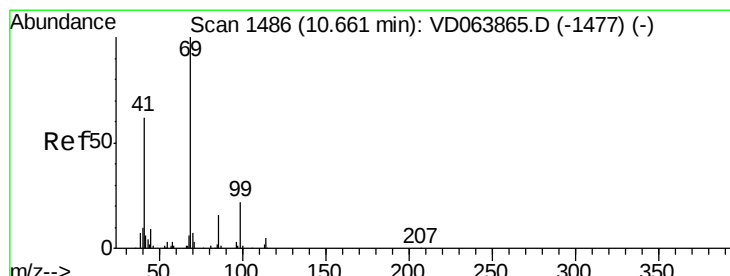
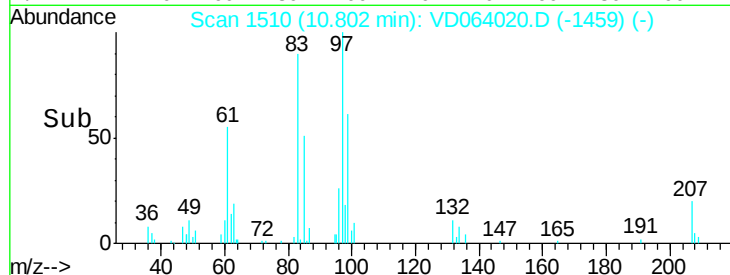
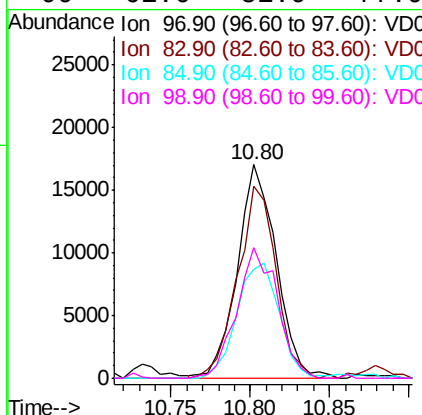
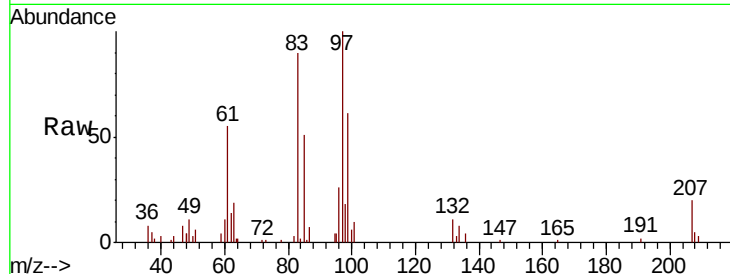
#55
 1,1,2-Trichloroethane
 Concen: 21.585 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Tot Ion:	97	Resp:	29117
Ion	Ratio	Lower	Upper
97	100		
83	90.9	69.7	104.5
85	51.7	48.1	72.1
99	61.6	51.9	77.9

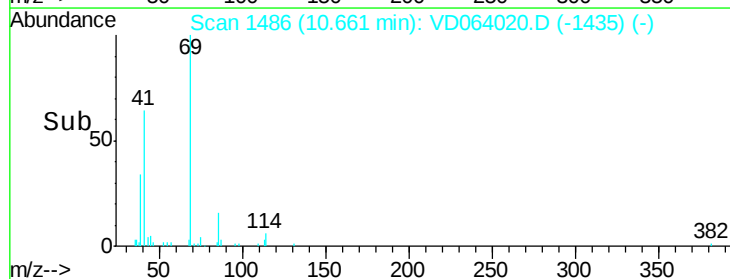
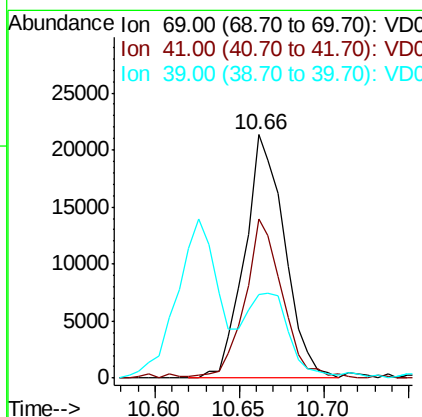
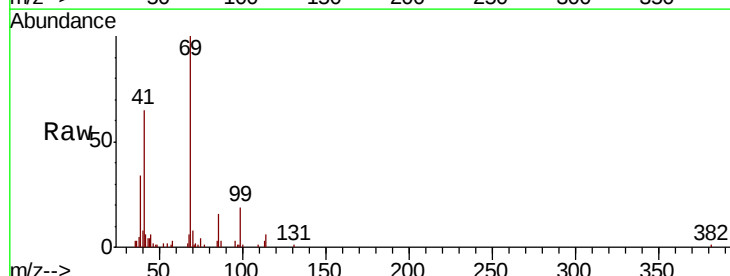
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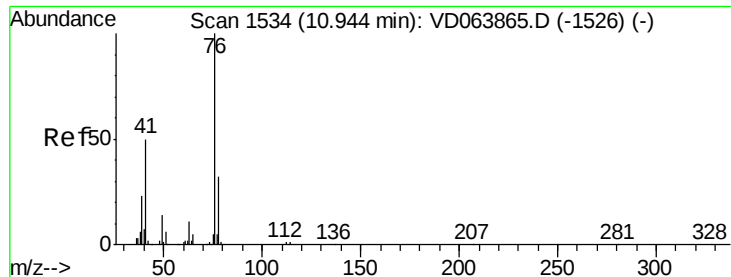
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#56
 Ethyl methacrylate
 Concen: 20.562 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion:	69	Resp:	35124
Ion	Ratio	Lower	Upper
69	100		
41	61.6	51.3	76.9
39	34.1	28.0	42.0





#57

1,3-Dichloropropane

Concen: 22.476 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBSD01

Tot Ion: 76 Resp: 51873

Ion Ratio Lower Upper

76 100

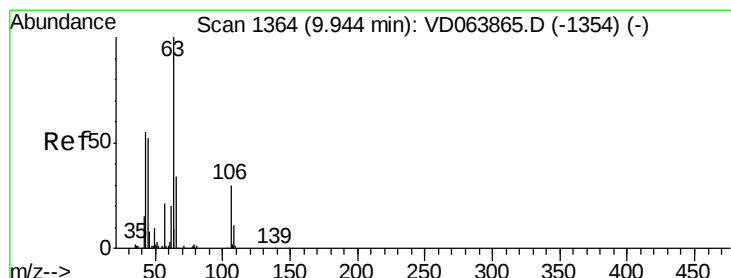
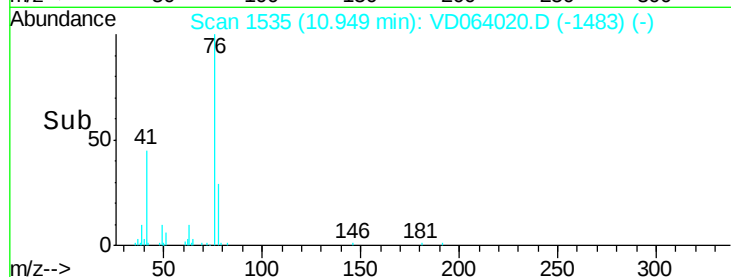
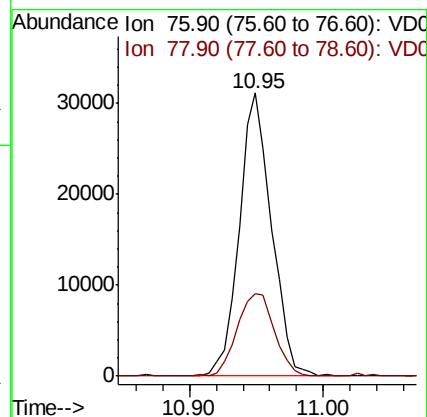
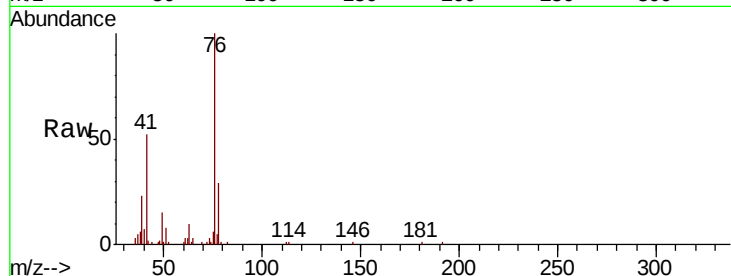
78 33.8 26.6 40.0

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 101.749 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064020.D

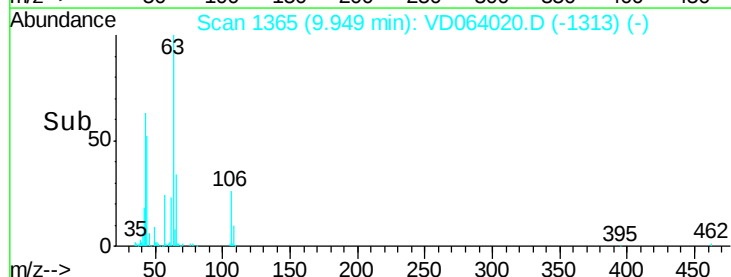
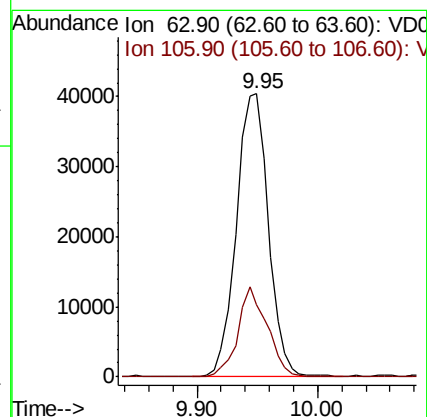
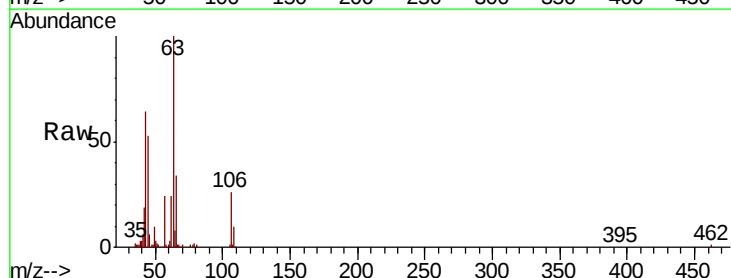
Acq: 23 Oct 2019 14:53

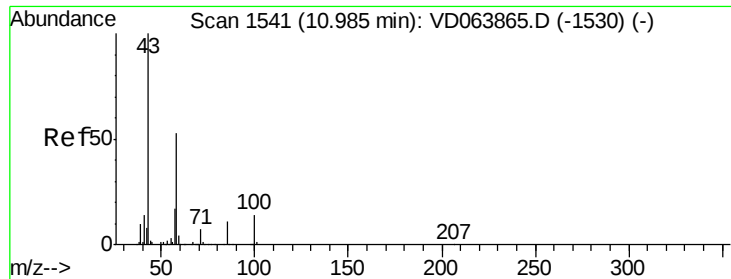
Tgt Ion: 63 Resp: 74710

Ion Ratio Lower Upper

63 100

106 29.1 24.3 36.5





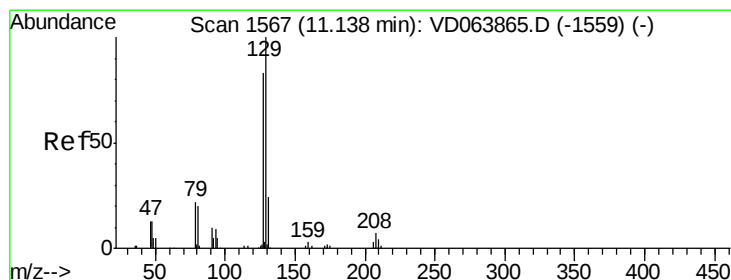
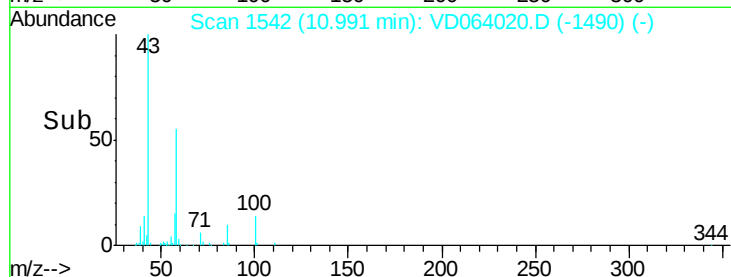
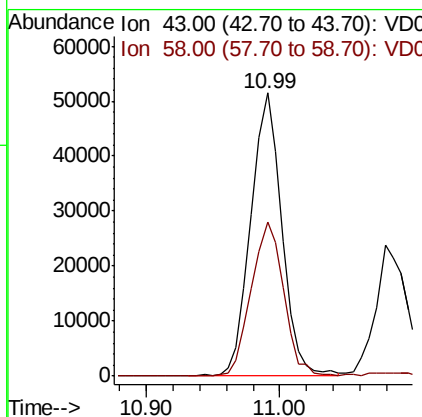
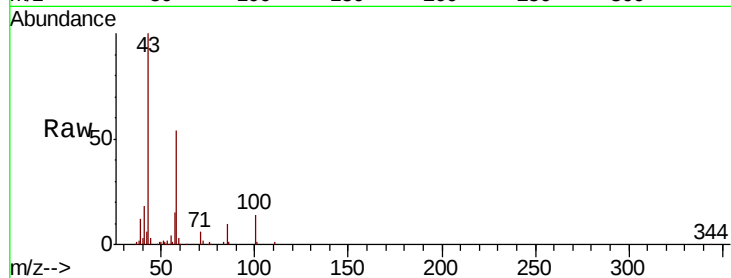
#59
2-Hexanone
Concen: 109.630 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion: 43 Resp: 82489
Ion Ratio Lower Upper
43 100
58 57.1 27.7 83.0

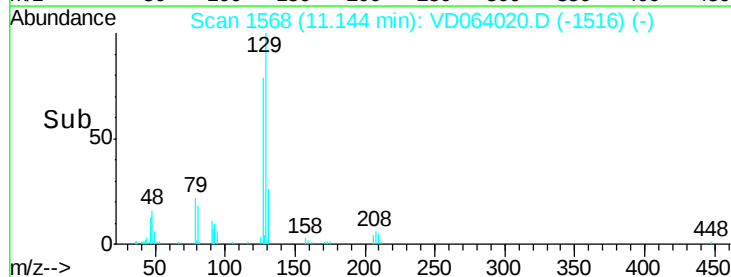
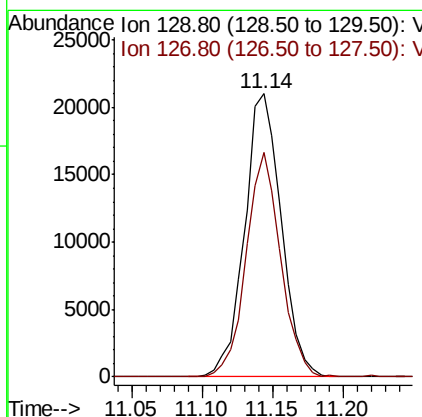
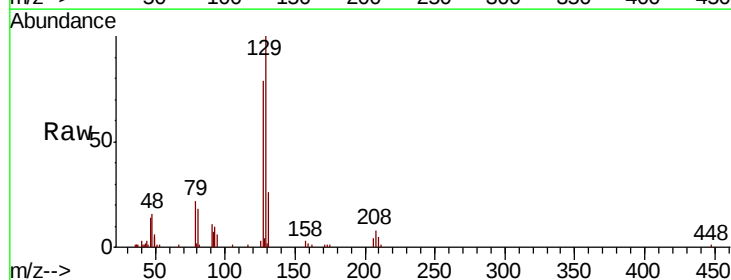
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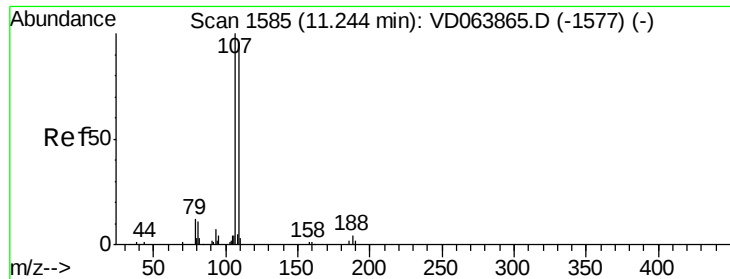
MMDadoda
10/24/2019 4:53:23 PM



#60
Dibromochloromethane
Concen: 21.799 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion: 129 Resp: 38282
Ion Ratio Lower Upper
129 100
127 74.5 39.9 119.6





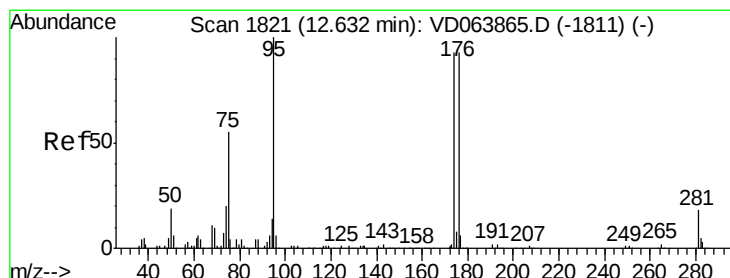
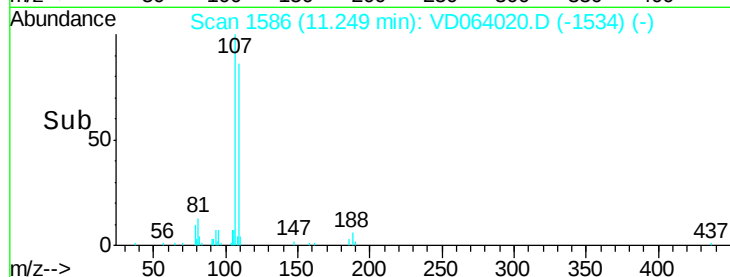
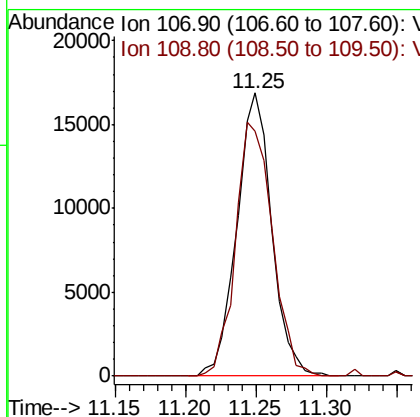
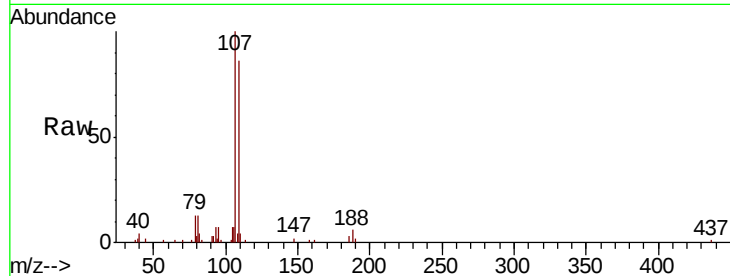
#61
 1,2-Dibromoethane
 Concen: 22.343 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.2	112.8

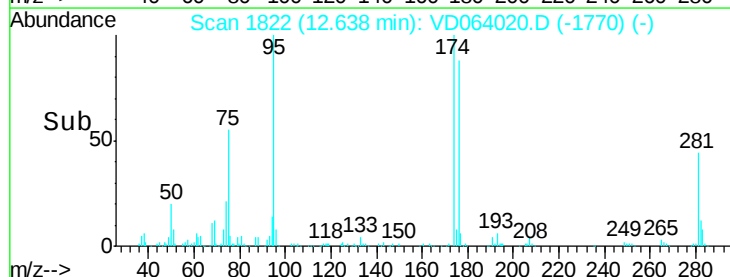
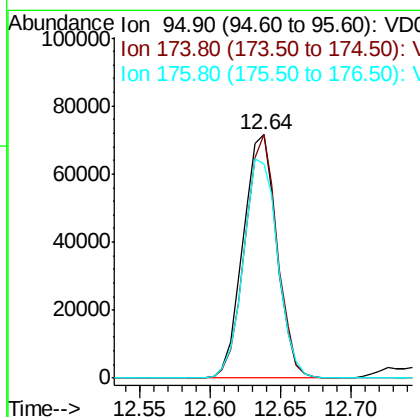
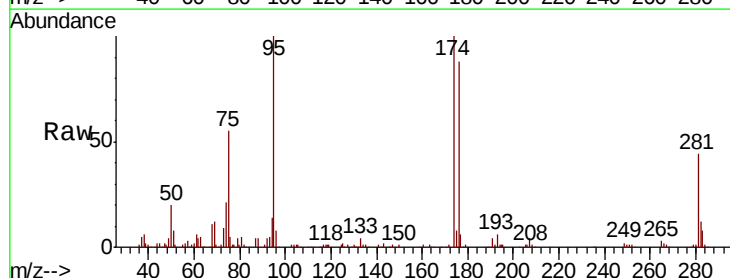
Manual Integrations
 APPROVED

MMDadoda
 10/24/2019 4:53:23 PM



#62
 4-Bromofluorobenzene
 Concen: 53.232 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.9	0.0	186.4
176	91.5	0.0	184.2





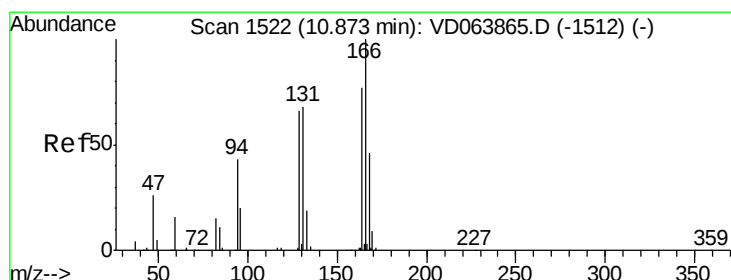
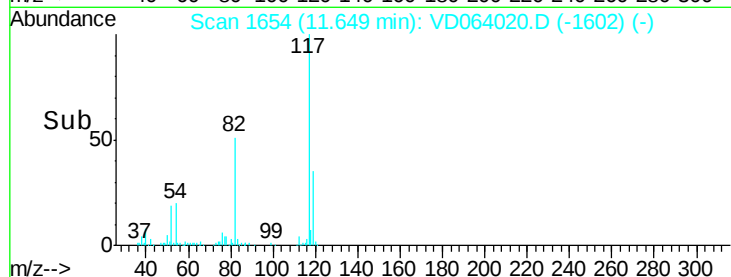
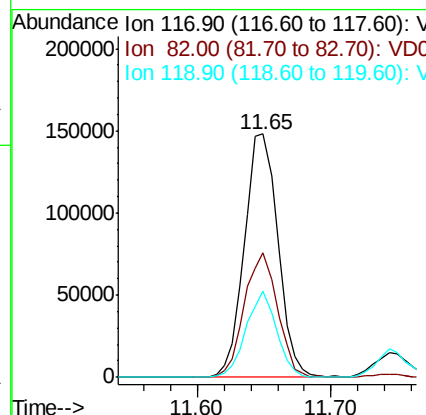
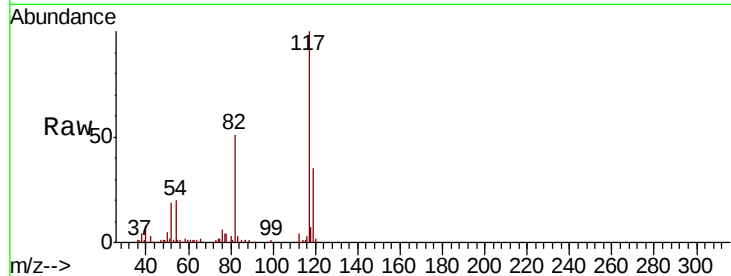
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	42.8	64.2
119	35.4	24.4	36.6

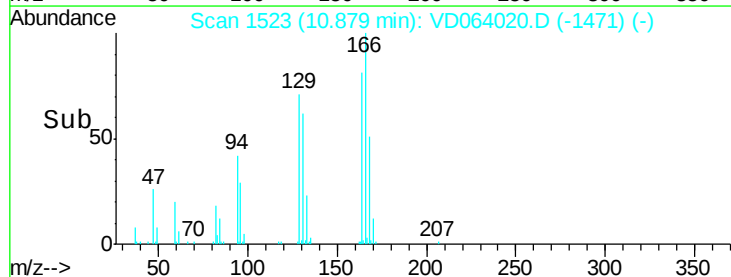
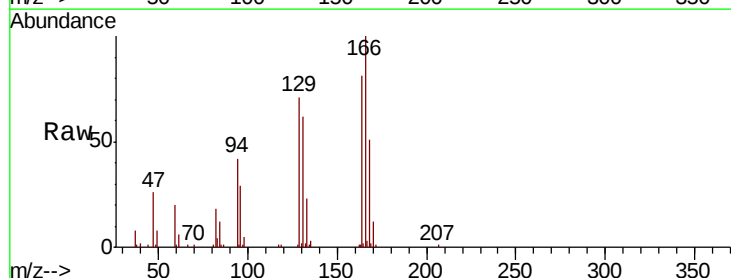
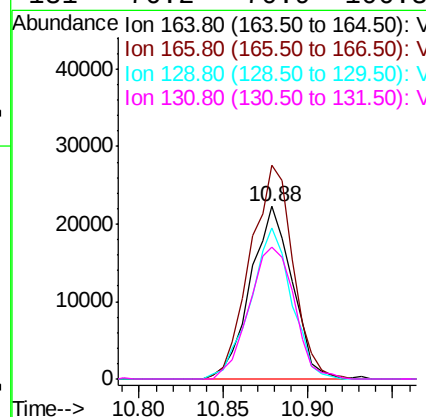
Manual Integrations
APPROVED

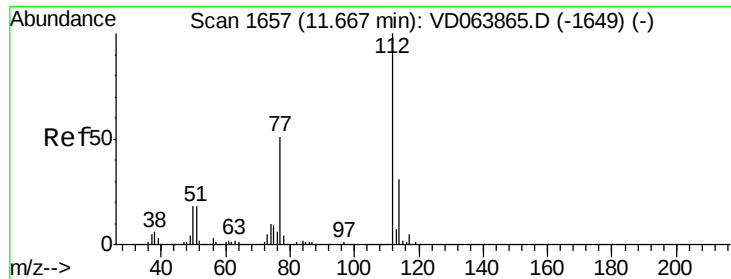
MMDadoda
10/24/2019 4:53:23 PM



#64
Tetrachloroethene
Concen: 21.875 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.6	103.8	155.6
129	87.5	68.9	103.3
131	76.2	70.9	106.3





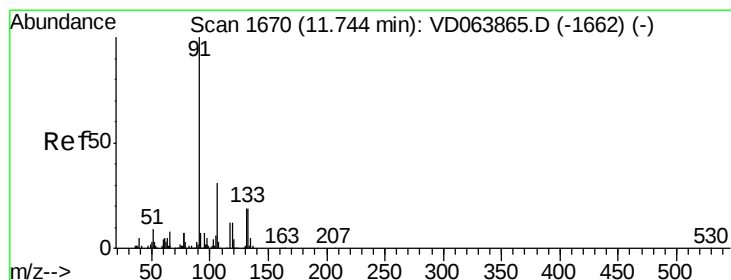
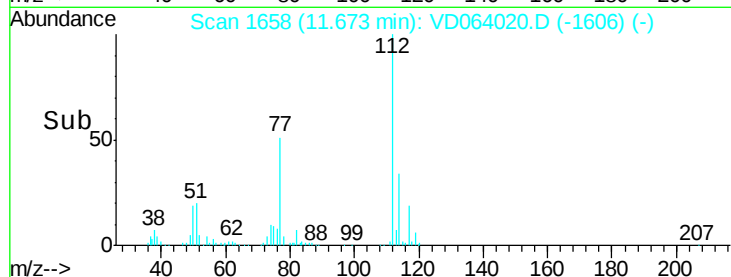
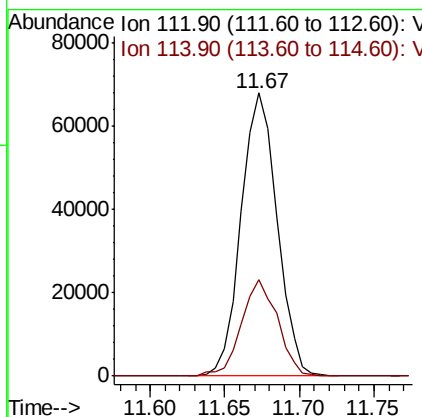
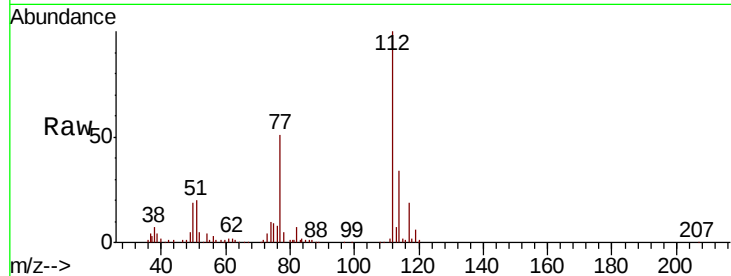
#65
Chlorobenzene
Concen: 21.955 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.3	25.1	37.7

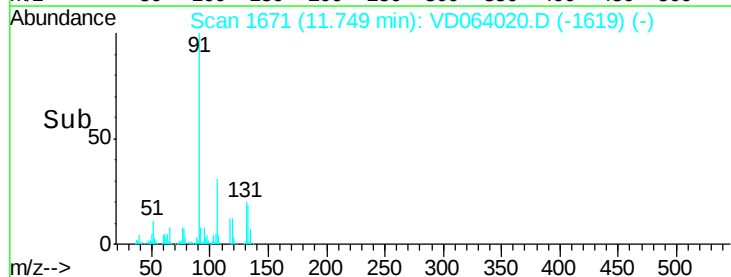
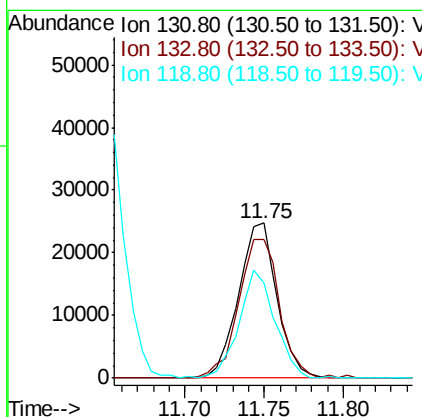
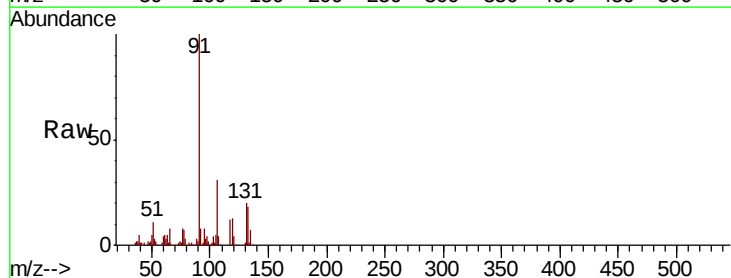
Manual Integrations
APPROVED

MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.786 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.9	146.7
119	65.2	32.6	97.8





#67

Ethyl Benzene

Concen: 21.798 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleID :

VD1023SBS001

Tot Ion: 91 Resp: 203404

Ion Ratio Lower Upper

91 100

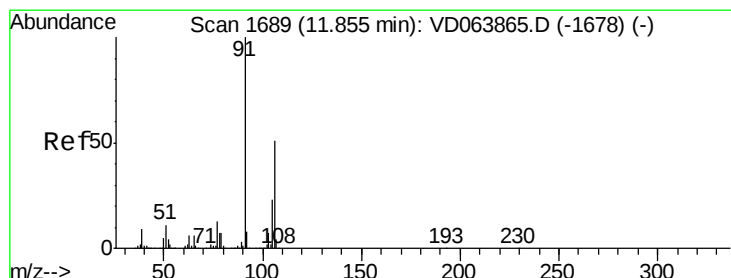
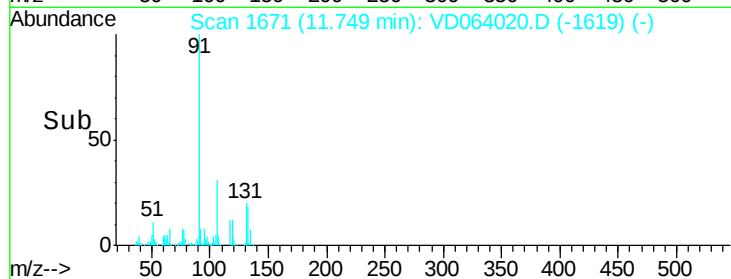
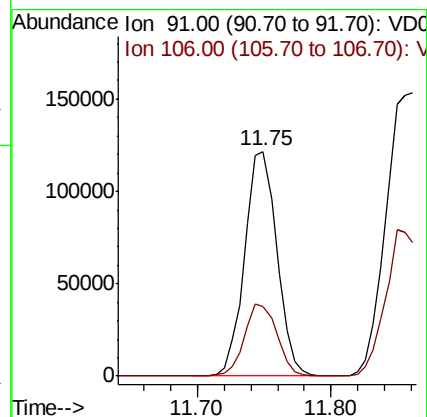
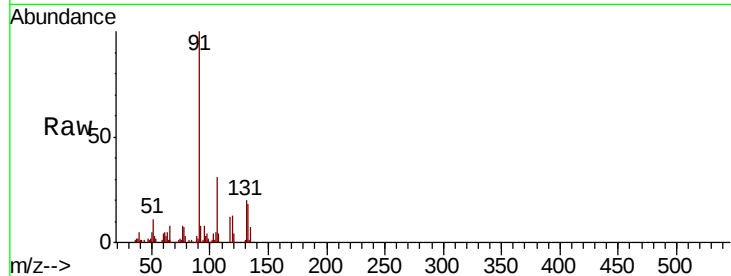
106 31.3 24.6 37.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 44.155 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD064020.D

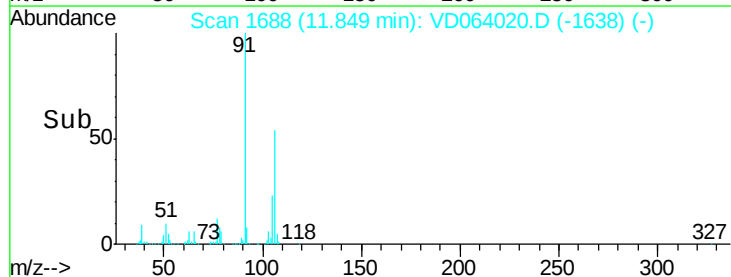
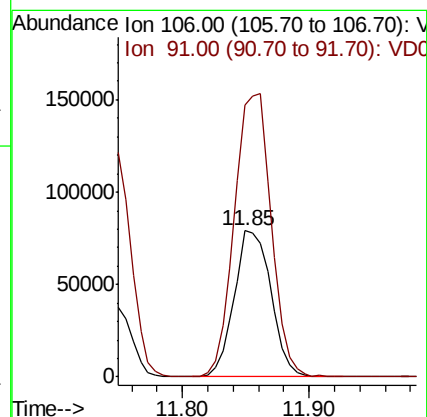
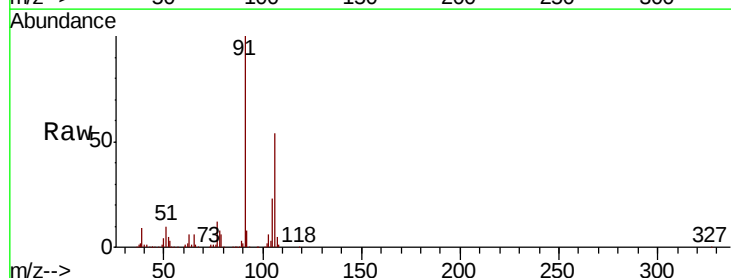
Acq: 23 Oct 2019 14:53

Tgt Ion: 106 Resp: 159034

Ion Ratio Lower Upper

106 100

91 193.2 154.8 232.2





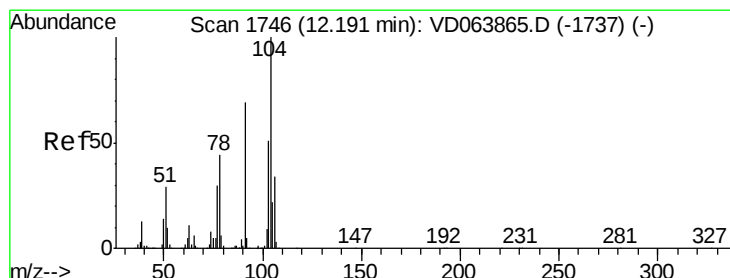
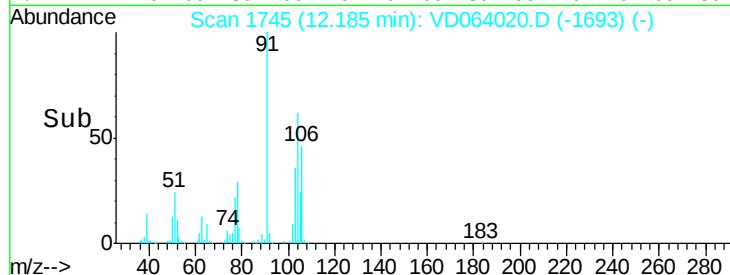
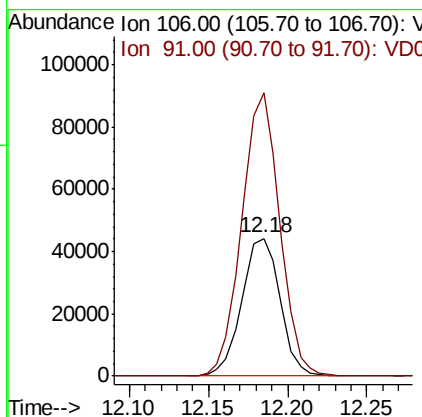
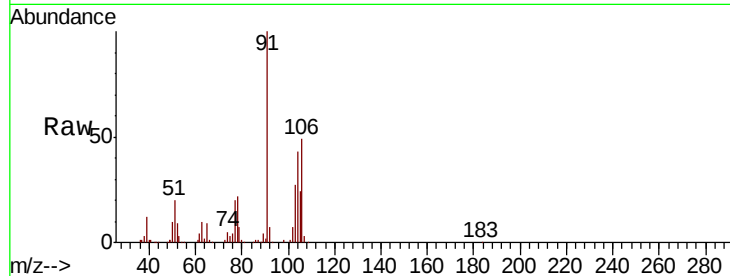
#69
o-Xylene
Concen: 21.548 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion:106 Resp: 74313
Ion Ratio Lower Upper
106 100
91 203.7 103.9 311.7

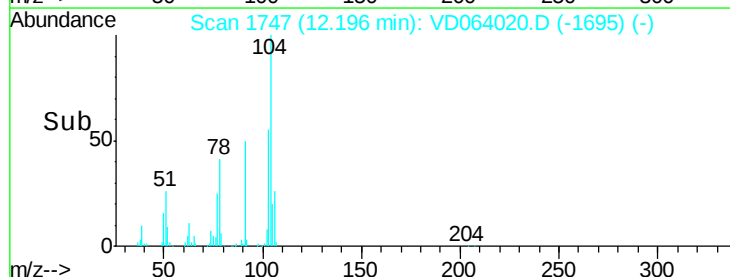
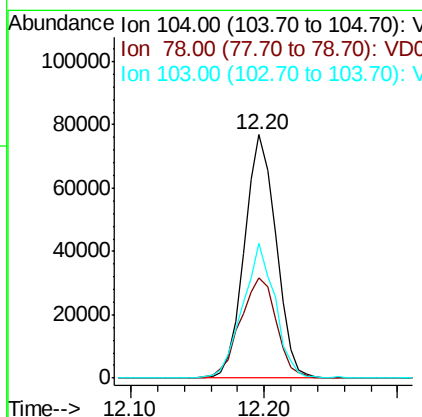
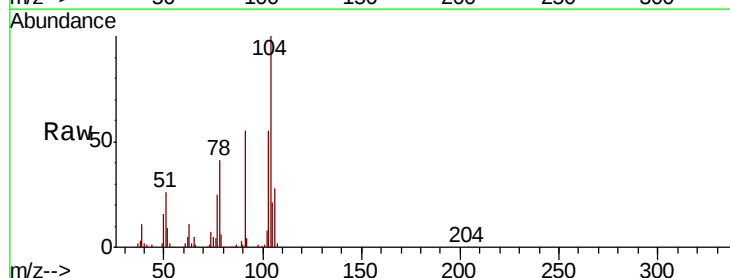
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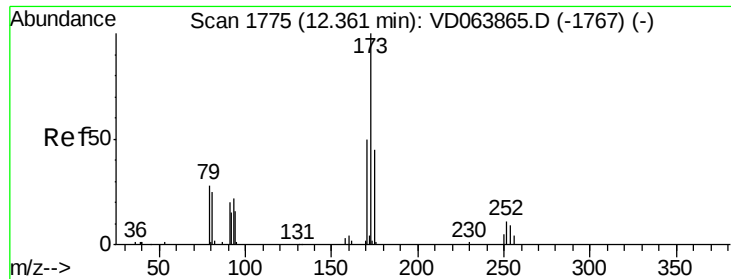
MMDadoda
10/24/2019 4:53:23 PM



#70
Styrene
Concen: 21.515 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion:104 Resp: 125613
Ion Ratio Lower Upper
104 100
78 47.0 37.0 55.4
103 56.5 44.2 66.4





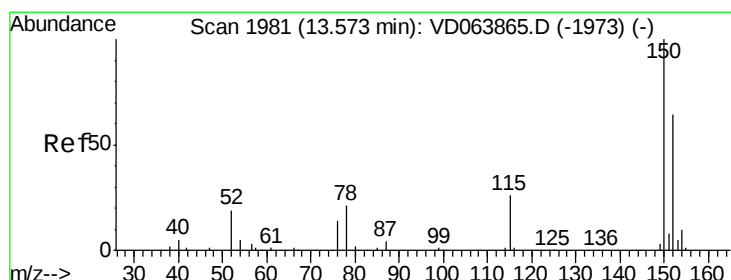
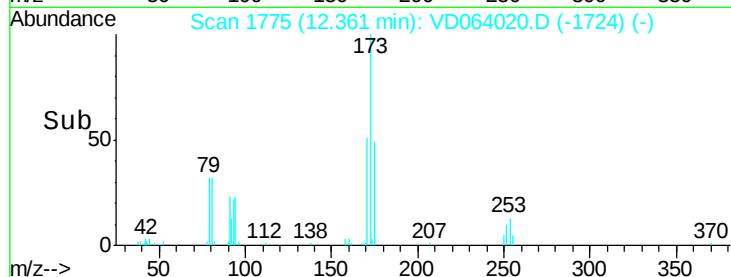
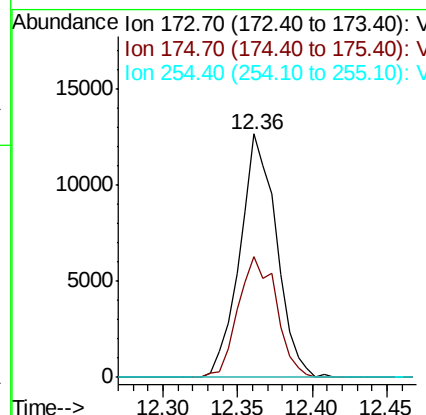
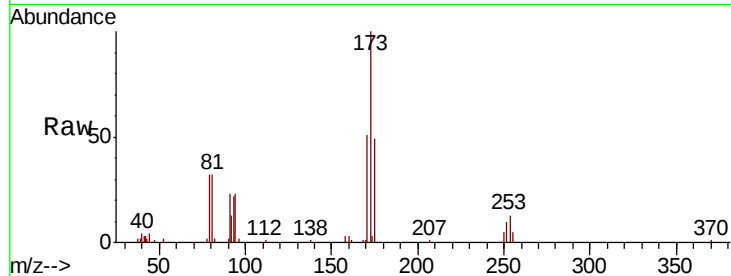
#71
Bromoform
Concen: 21.080 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	51.9	24.6	74.0
254	0.0	0.0	0.0

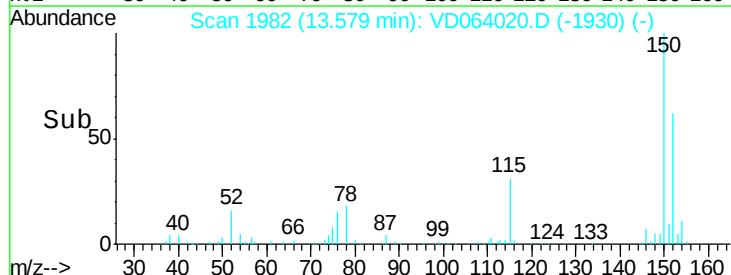
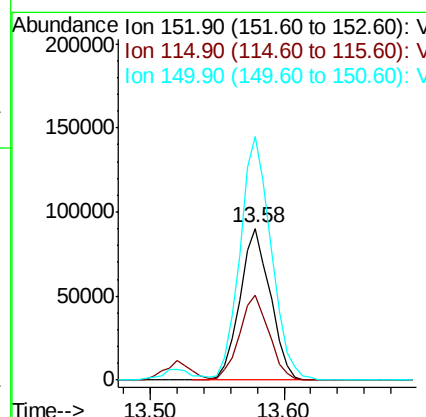
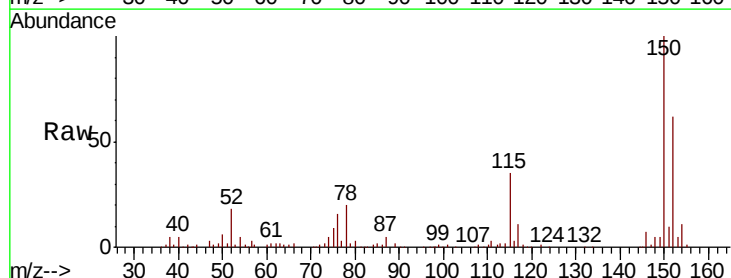
Manual Integrations
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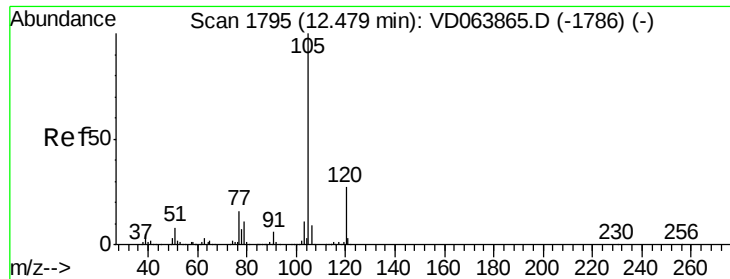
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	25.9	77.7
150	165.2	0.0	344.2





#73

Isopropylbenzene

Concen: 21.678 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBS01

Tot Ion: 105 Resp: 206575

Ion Ratio Lower Upper

105 100

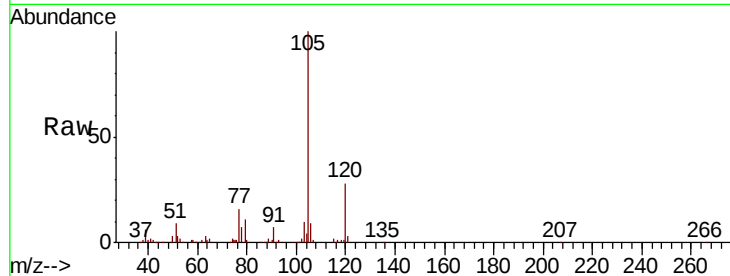
120 28.5 13.3 39.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

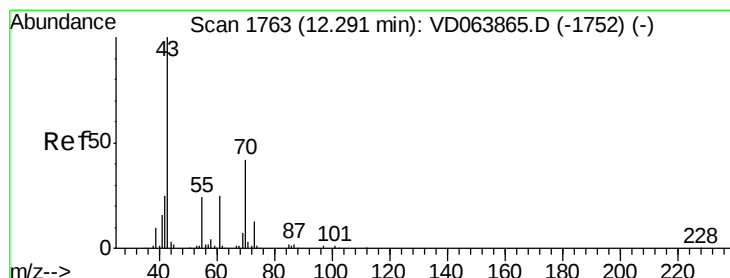
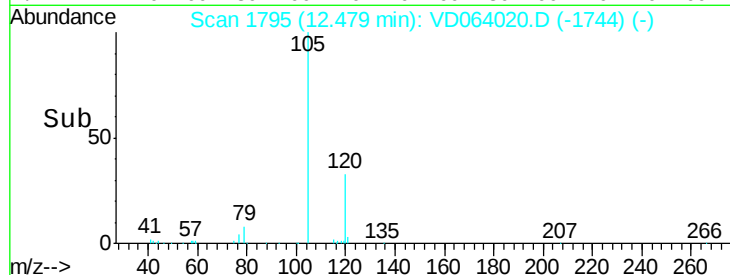
12.48

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 19.866 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Tgt Ion: 43 Resp: 40758

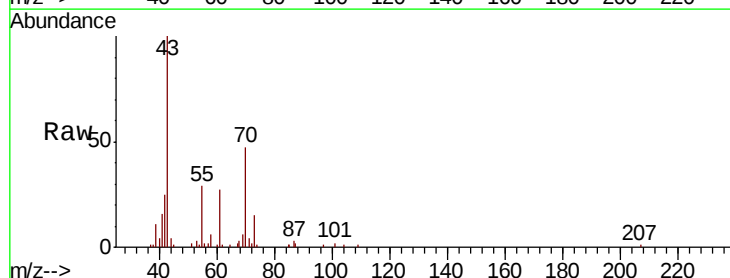
Ion Ratio Lower Upper

43 100

70 46.4 35.8 53.6

55 25.7 19.4 29.0

61 23.3 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

40000

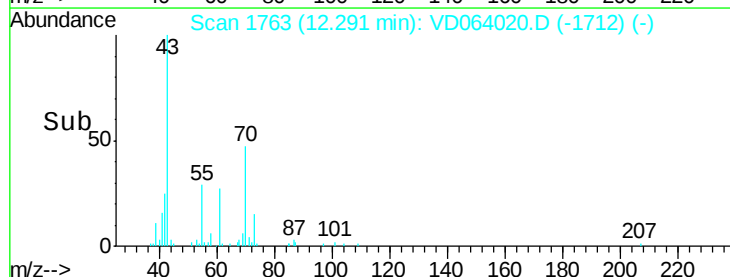
30000

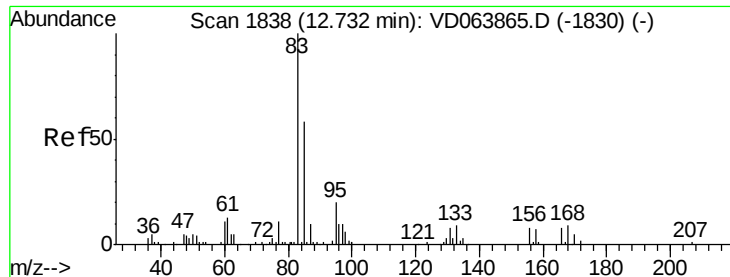
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.938 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

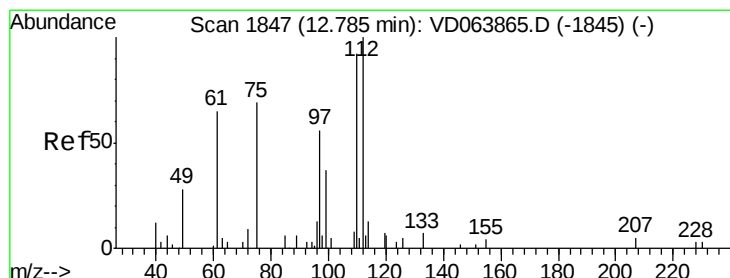
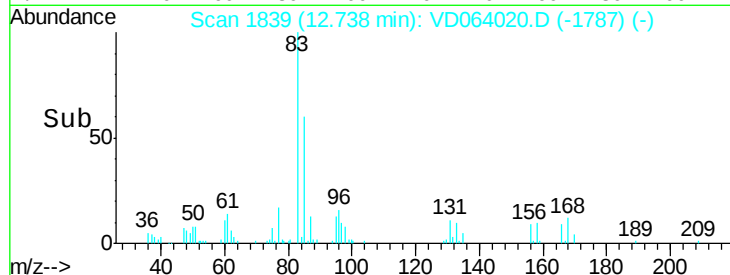
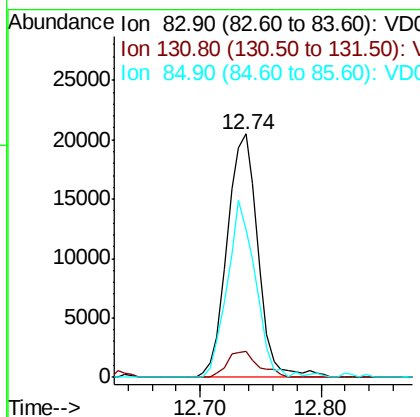
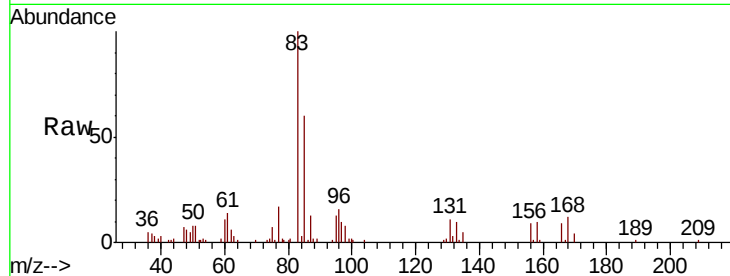
ClientSampleId :

VD1023SBS01

Tot Ion:	83	Resp:	36378
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.6	16.8
85	65.5	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 31.132 ug/l m

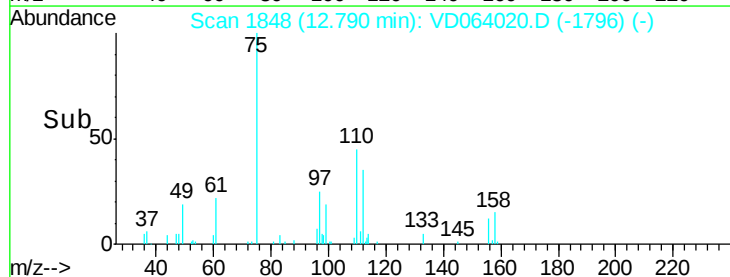
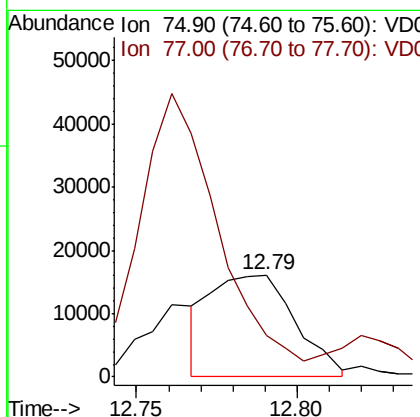
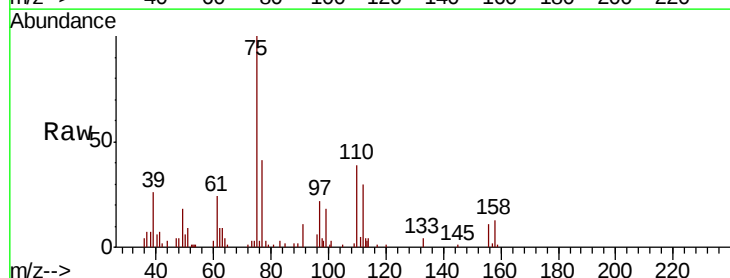
RT: 12.79 min Scan# 1848

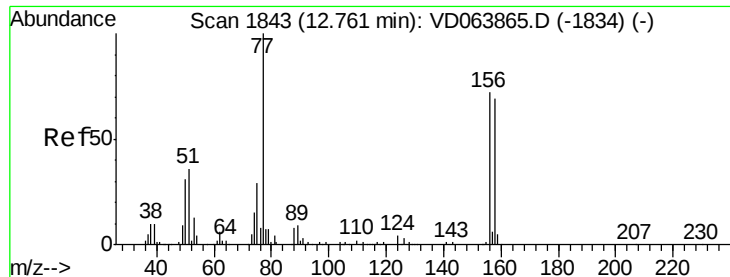
Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Tgt Ion:	75	Resp:	29557
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.797 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBS01

Tot Ion:156 Resp: 51748

Ion Ratio Lower Upper

156 100

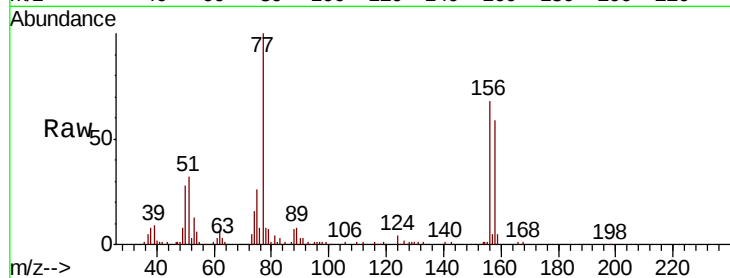
77 153.0 80.3 241.0

158 94.7 47.4 142.2

Manual Integrations
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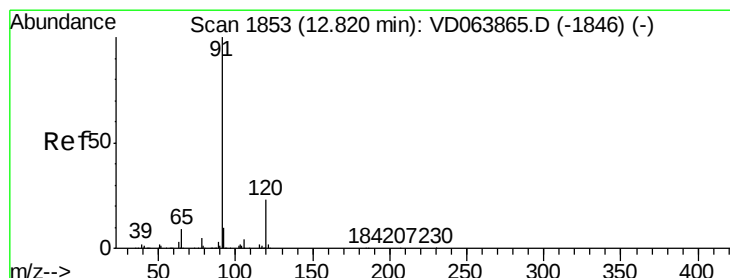
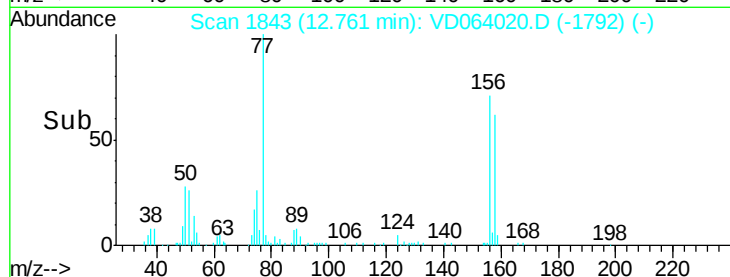
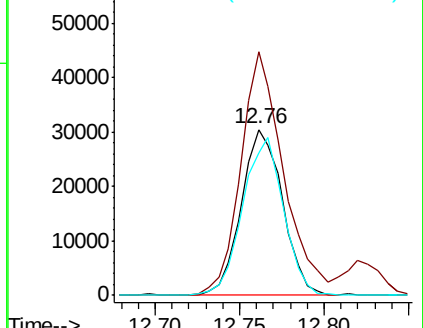
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.753 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD064020.D

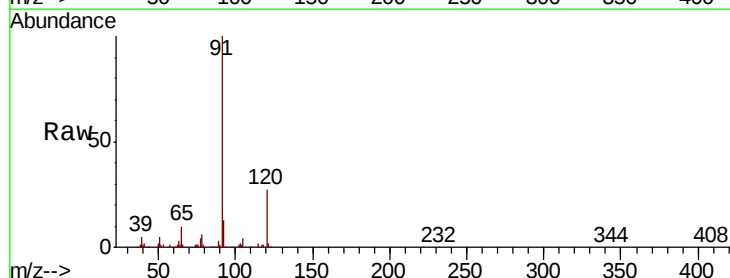
Acq: 23 Oct 2019 14:53

Tgt Ion: 91 Resp: 243311

Ion Ratio Lower Upper

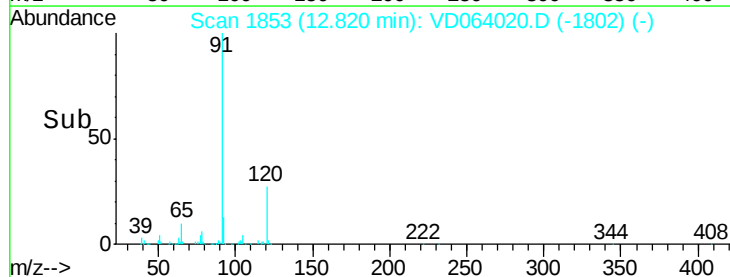
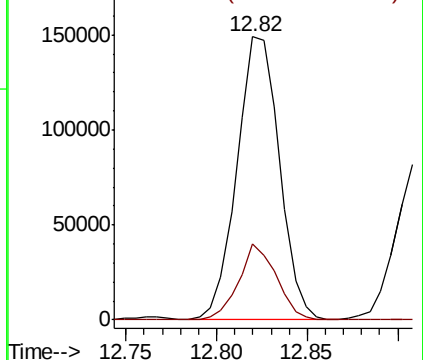
91 100

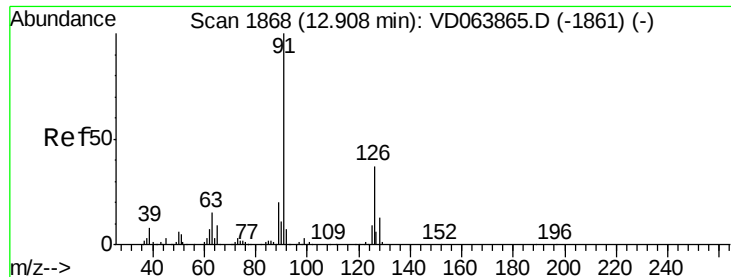
120 23.7 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.699 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBS01

Tot Ion: 91 Resp: 133832

Ion Ratio Lower Upper

91 100

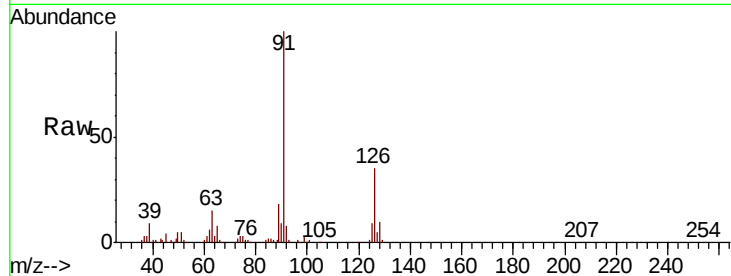
126 36.4 18.4 55.2

Manual Integrations

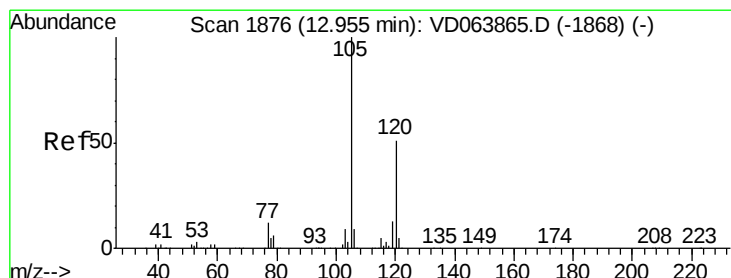
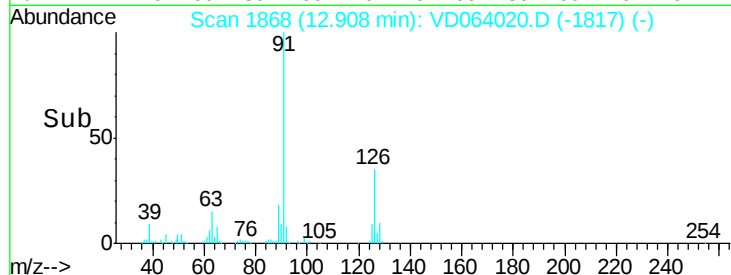
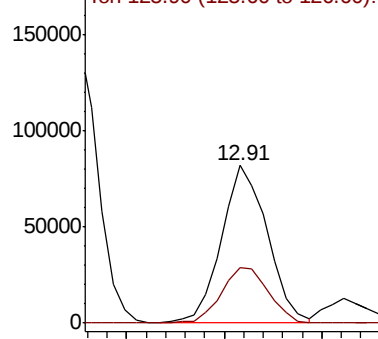
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Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 20.961 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.01 min

Lab File: VD064020.D

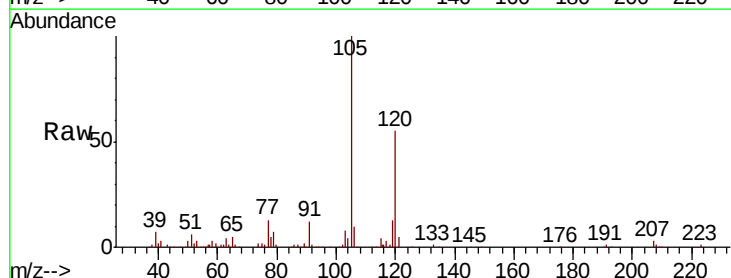
Acq: 23 Oct 2019 14:53

Tgt Ion: 105 Resp: 166637

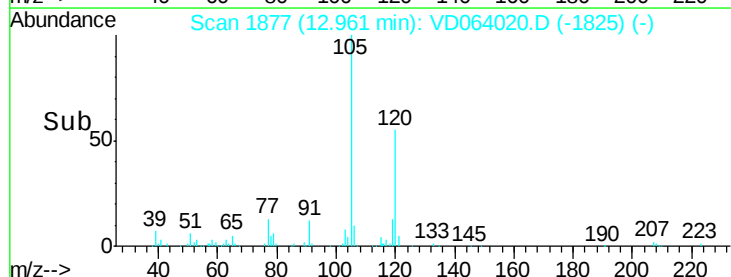
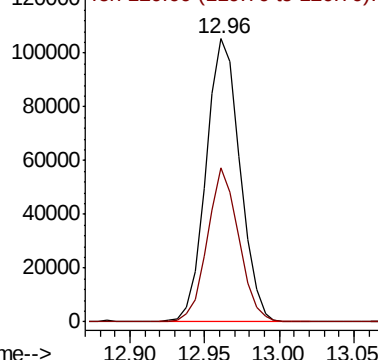
Ion Ratio Lower Upper

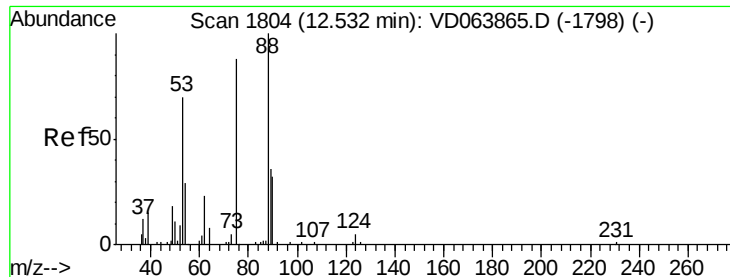
105 100

120 50.5 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.097 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064020.D

Acq: 23 Oct 2019 14:53

Instrument :

MSVOA_D

ClientSampleId :

VD1023SBS01

Tot Ion: 75 Resp: 9709

Ion Ratio Lower Upper

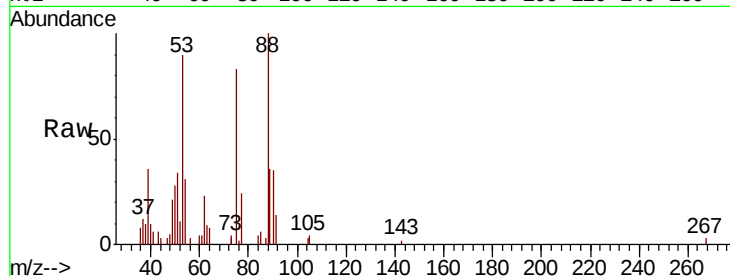
75 100

53 109.6 75.0 112.6

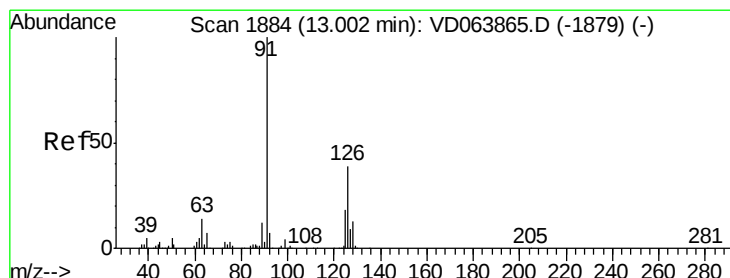
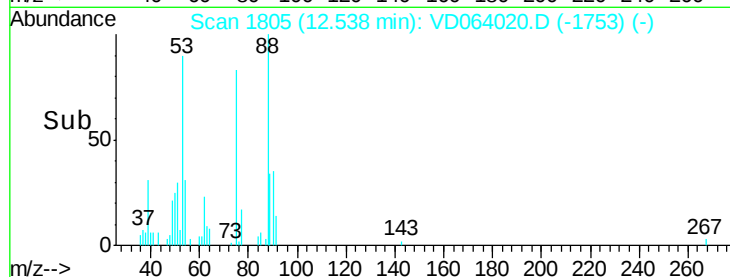
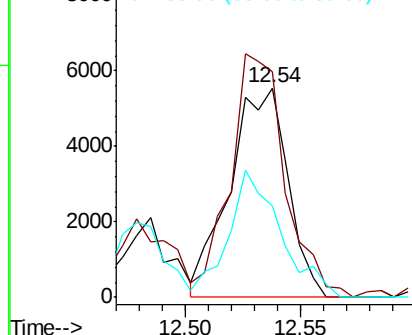
89 54.6 38.2 57.4

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Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.021 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. 0.01 min

Lab File: VD064020.D

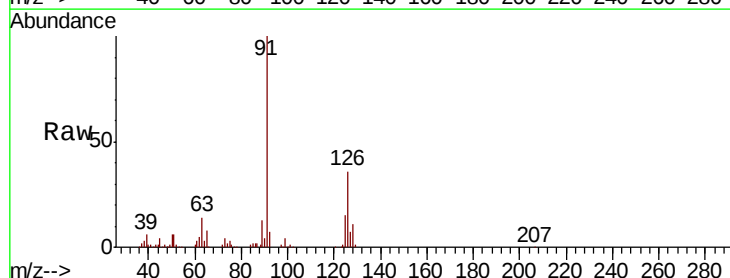
Acq: 23 Oct 2019 14:53

Tgt Ion: 91 Resp: 137532

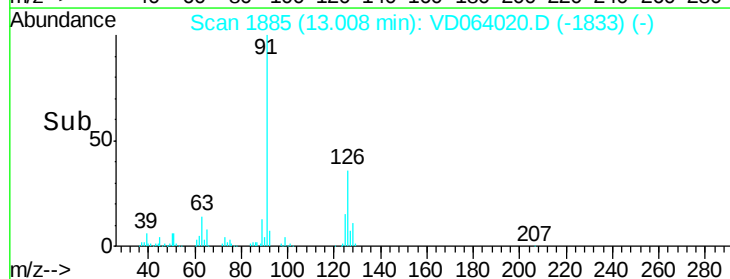
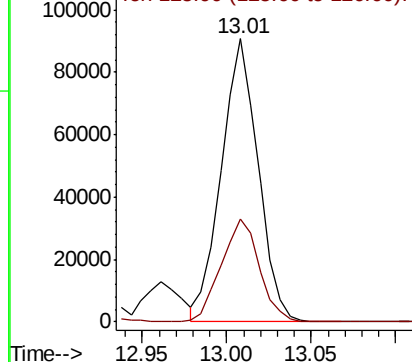
Ion Ratio Lower Upper

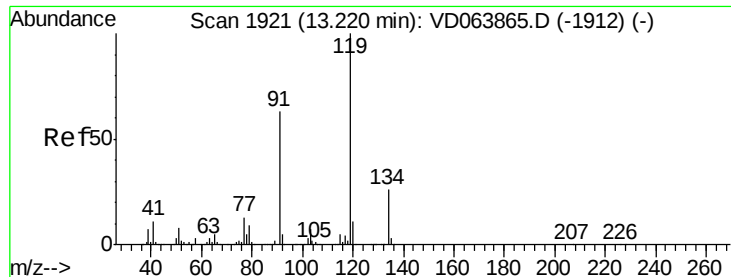
91 100

126 37.7 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V





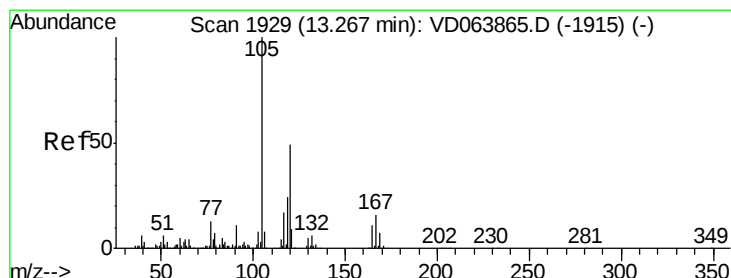
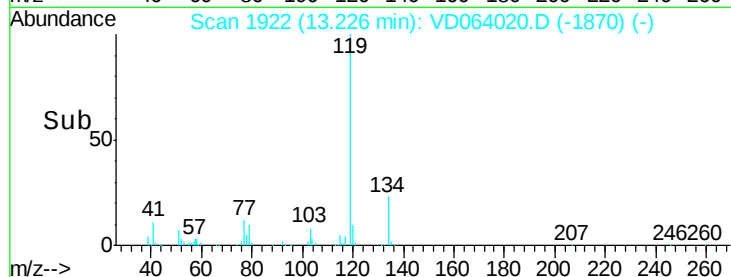
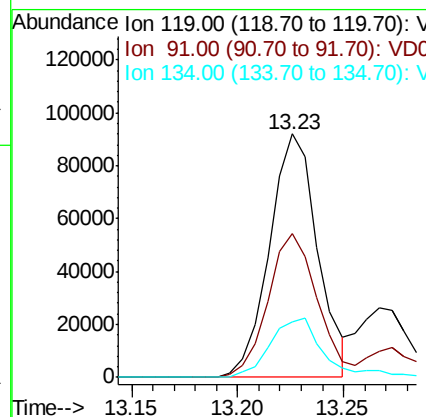
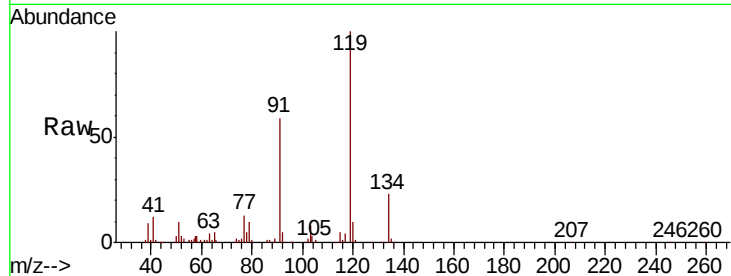
#83
 tert-Butylbenzene
 Concen: 20.696 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	30.0	90.0
134	27.0	13.0	38.9

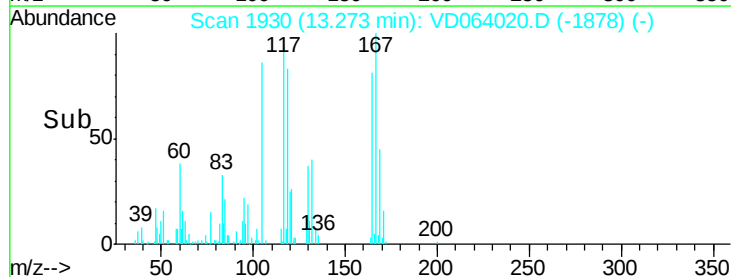
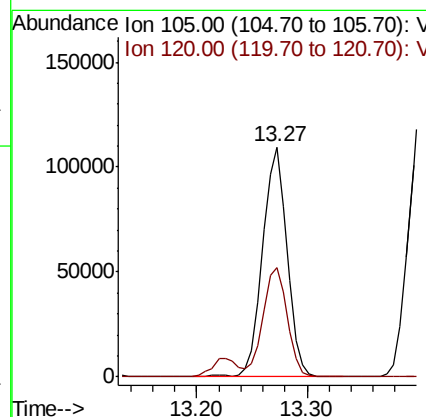
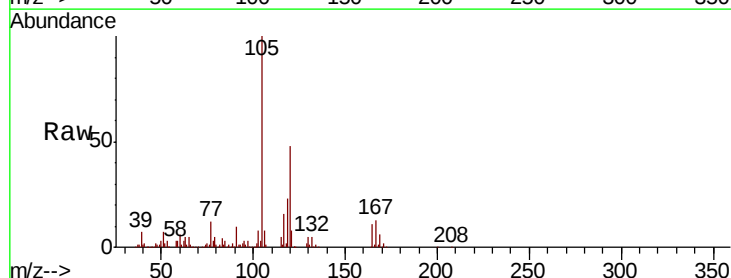
Manual Integrations
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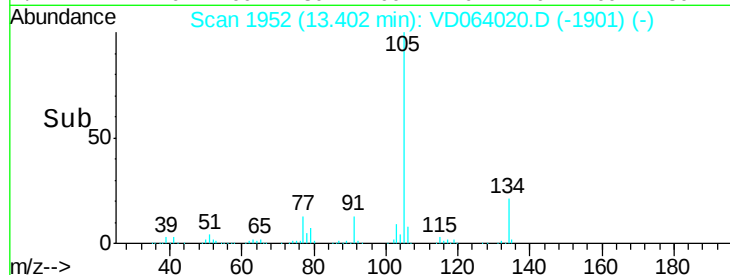
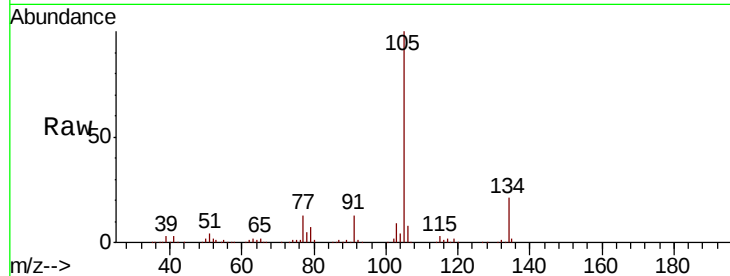
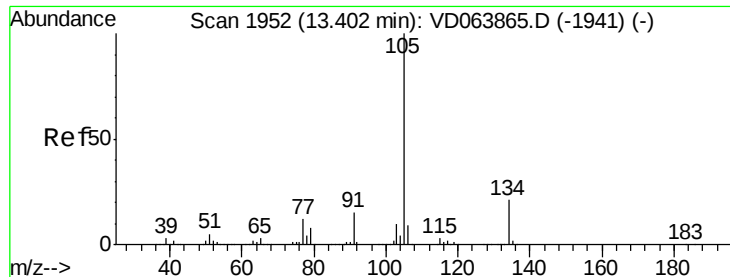
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.927 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.8	71.5





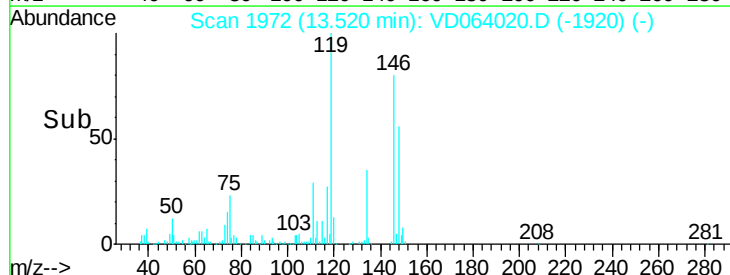
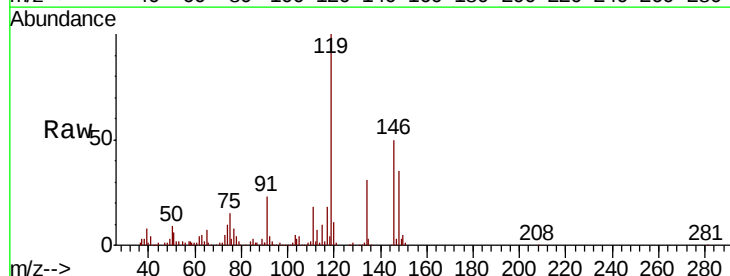
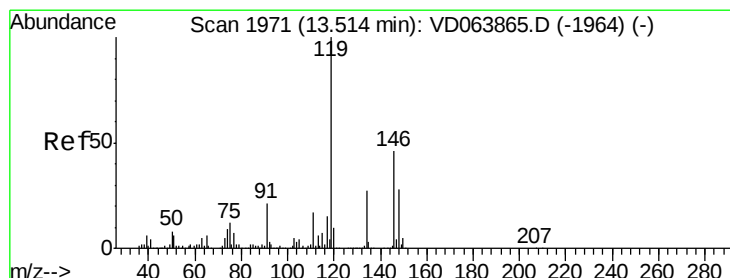
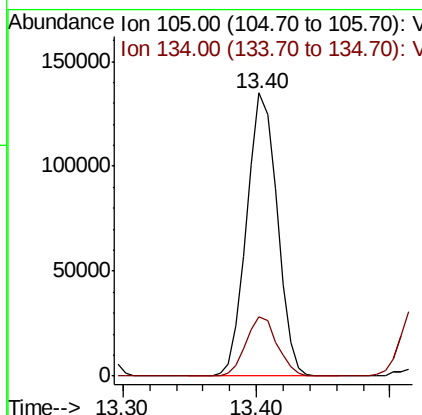
#85
 sec-Butylbenzene
 Concen: 22.333 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tot Ion: 105 Resp: 213394
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.6 31.8

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1023SBS01

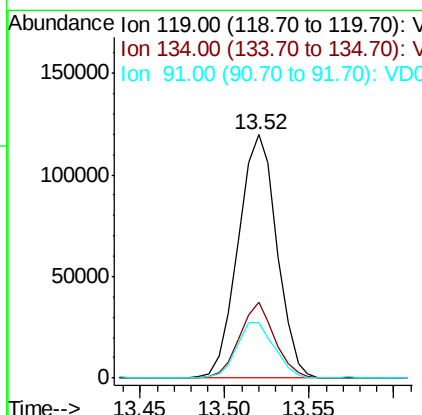
Manual Integrations
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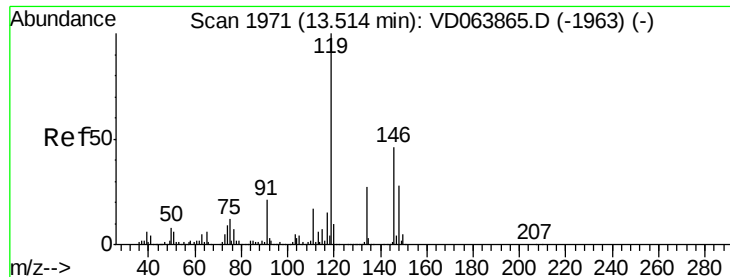
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#86
 p-Isopropyltoluene
 Concen: 21.160 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion: 119 Resp: 191316
 Ion Ratio Lower Upper
 119 100
 134 27.9 13.9 41.6
 91 22.5 11.2 33.5





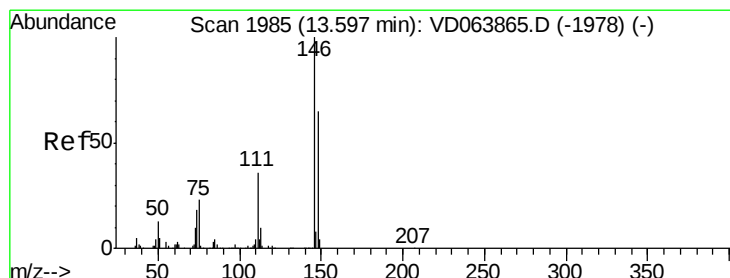
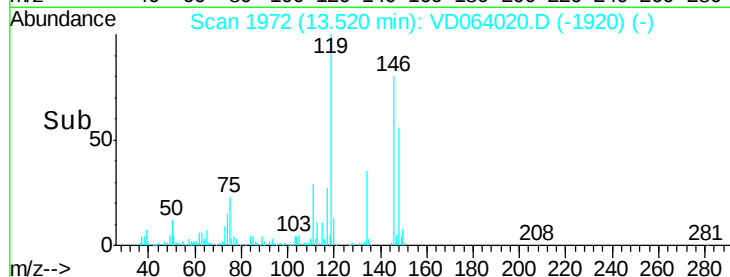
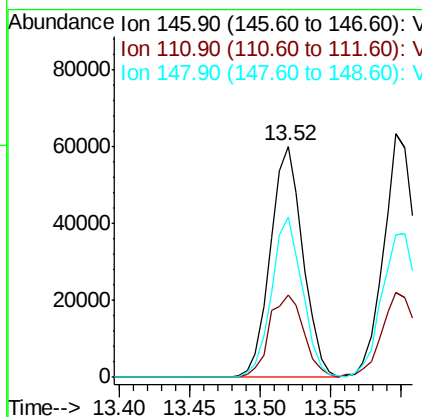
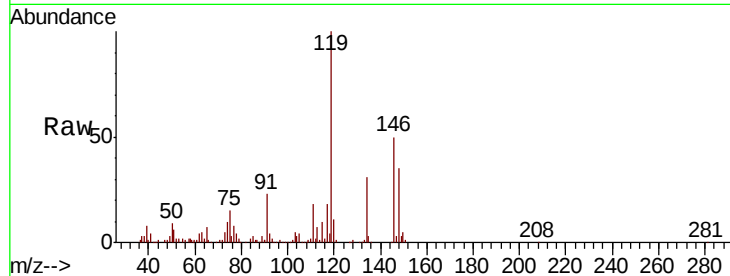
#87
 1,3-Dichlorobenzene
 Concen: 20.749 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.3	54.9
148	66.0	31.8	95.4

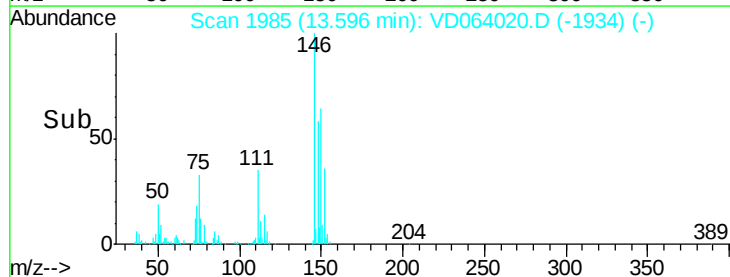
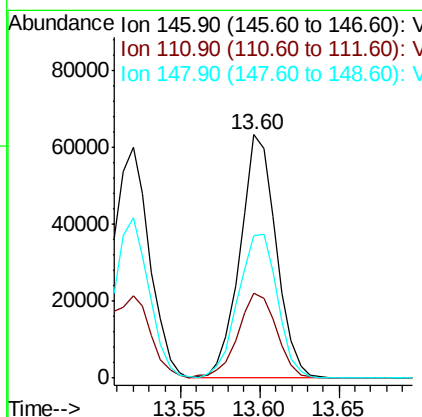
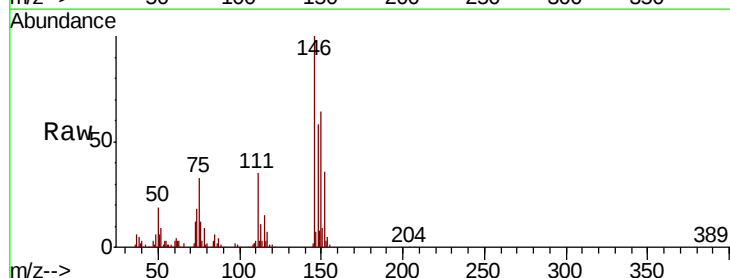
Manual Integrations
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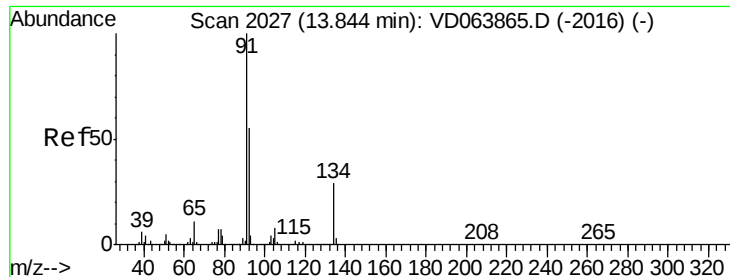
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 21.693 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	56.0
148	64.4	32.6	98.0





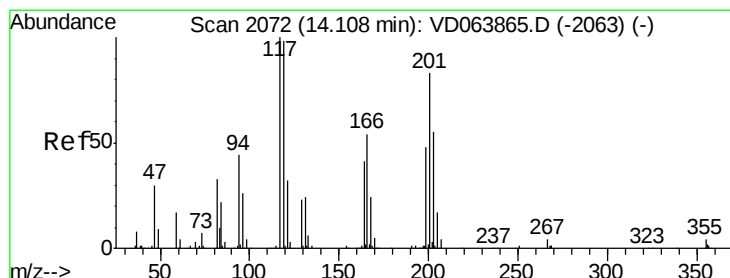
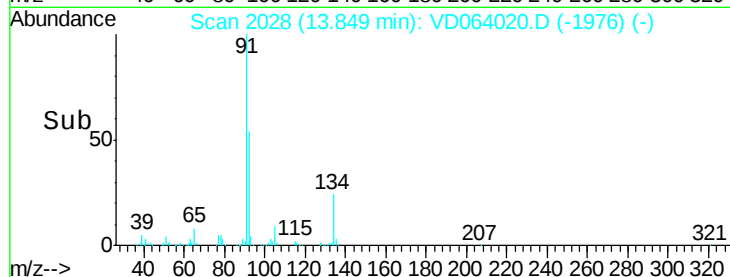
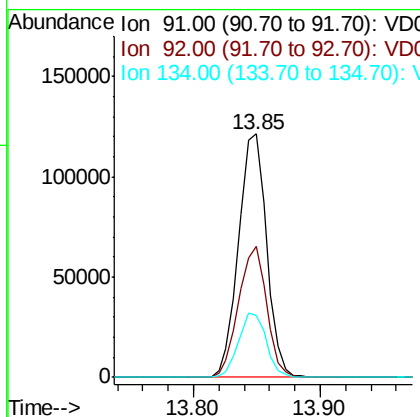
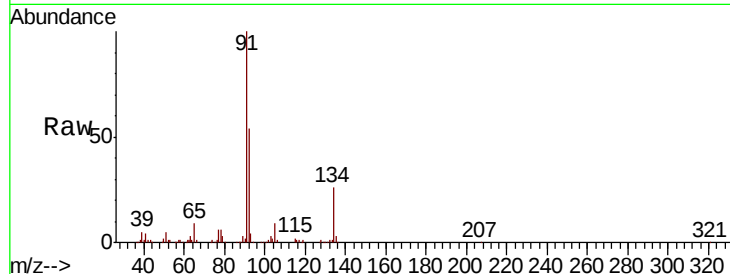
#89
n-Butylbenzene
Concen: 22.218 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	186993		
92	53.6		26.8	80.3
134	26.1		14.4	43.0

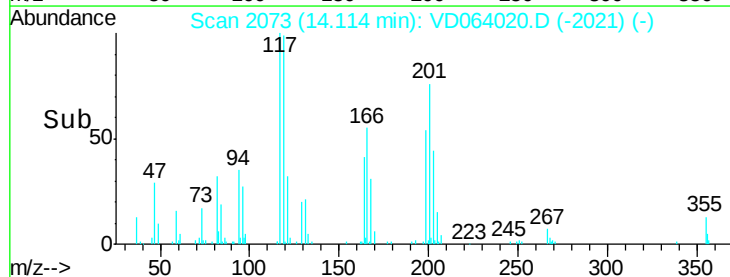
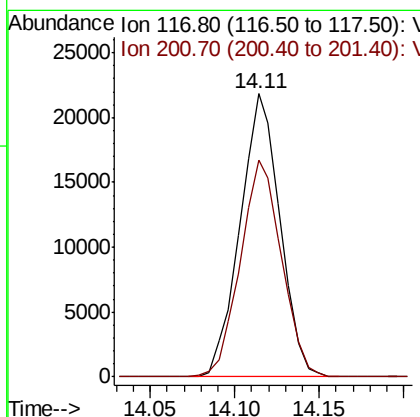
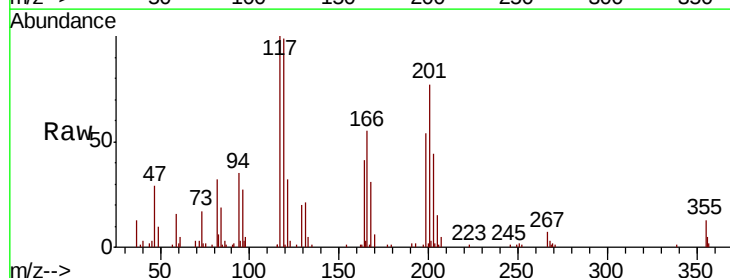
Manual Integrations
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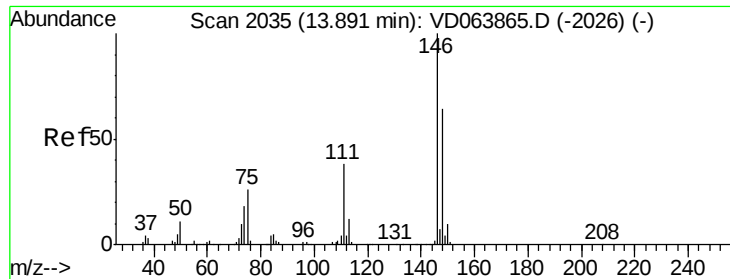
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#90
Hexachloroethane
Concen: 21.977 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	35738		
201	79.2		40.6	121.7





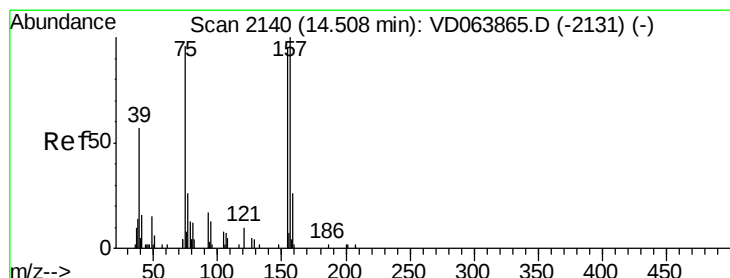
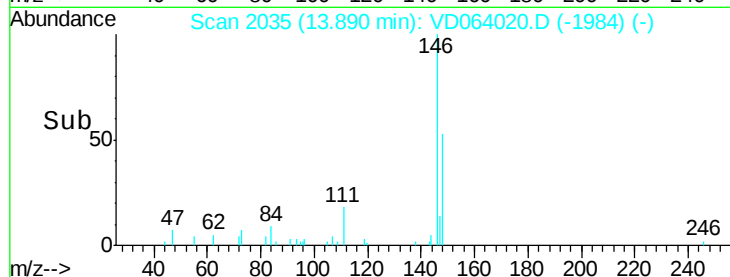
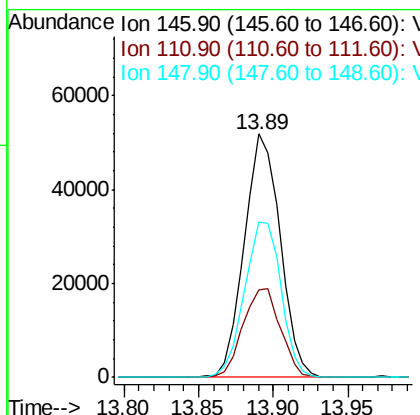
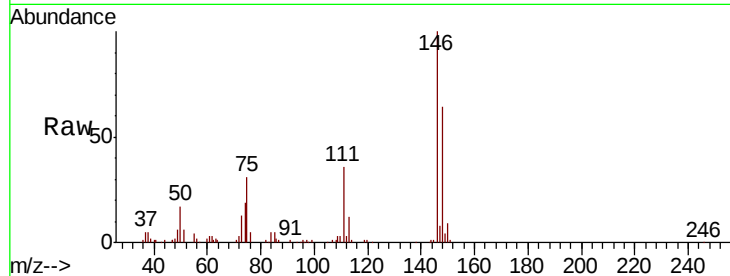
#91
 1,2-Dichlorobenzene
 Concen: 21.357 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.6
148	65.0	31.6	95.0

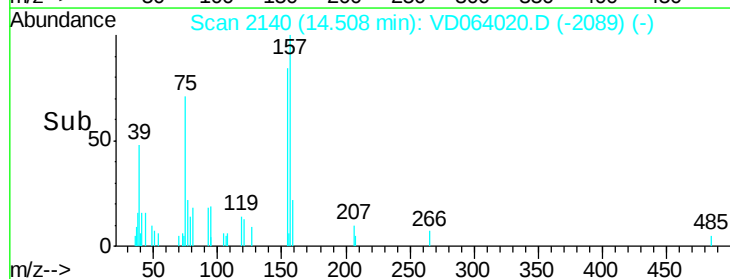
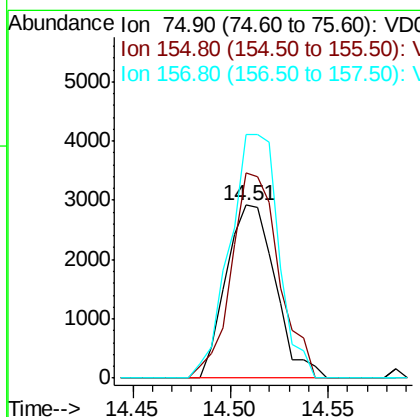
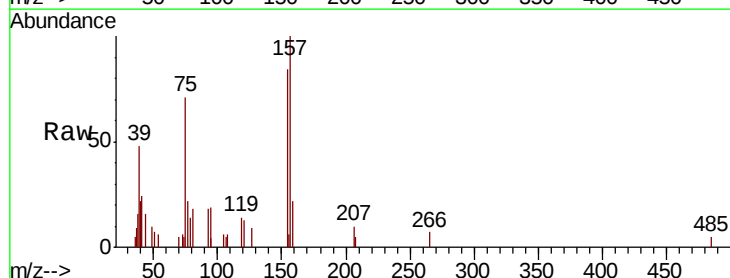
Manual Integrations
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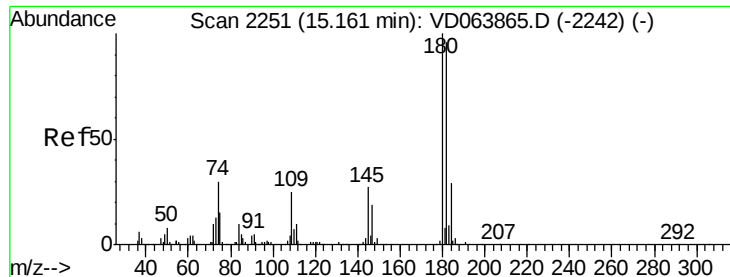
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.209 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	114.5	43.9	131.6
157	139.9	56.0	167.9





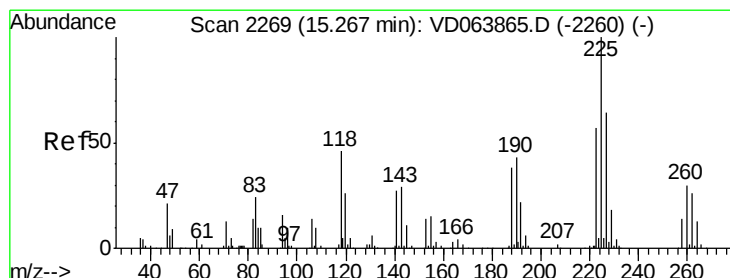
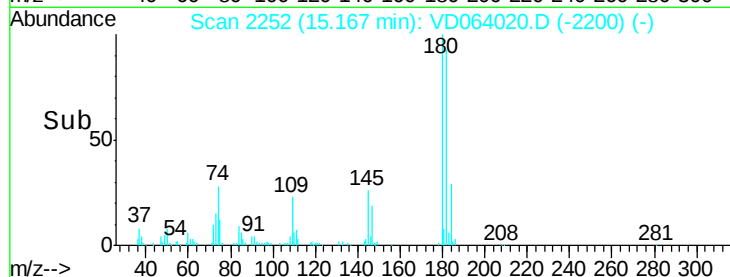
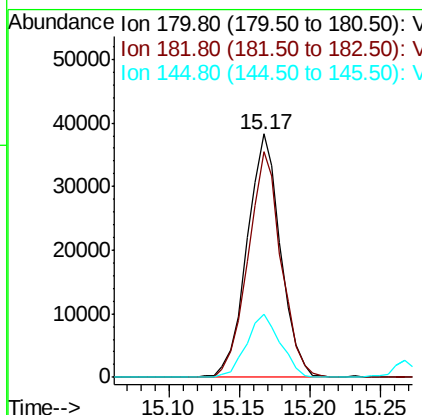
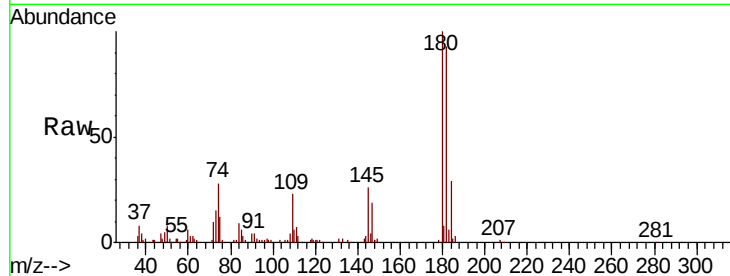
#93
 1,2,4-Trichlorobenzene
 Concen: 20.363 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1023SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.8	47.4	142.3
145	26.2	13.9	41.7

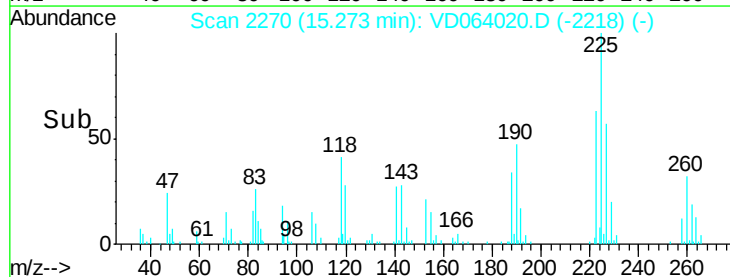
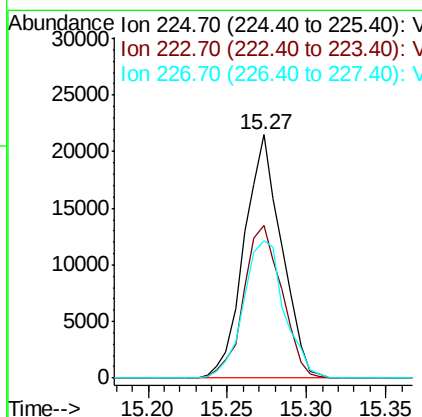
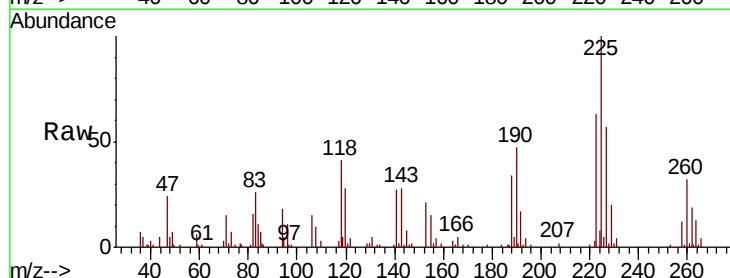
Manual Integrations
 APPROVED

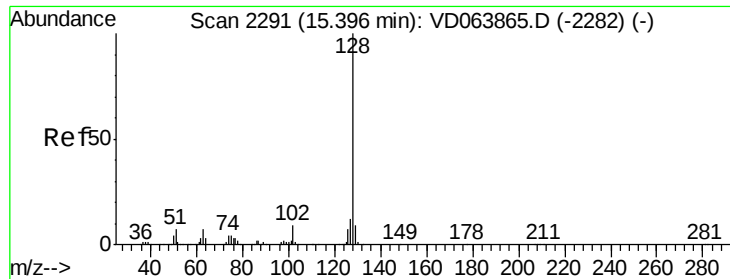
MMDadoda
 10/24/2019 4:53:23 PM



#94
 Hexachlorobutadiene
 Concen: 20.514 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: VD064020.D
 Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	29.5	88.6
227	61.5	30.8	92.4





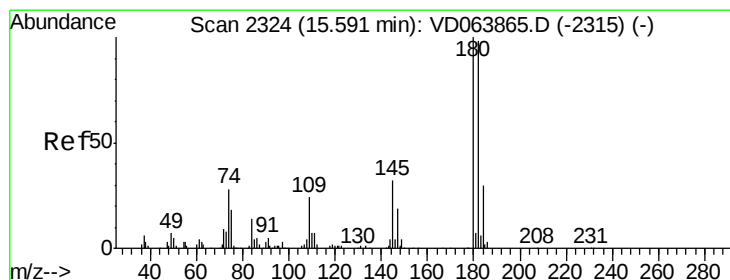
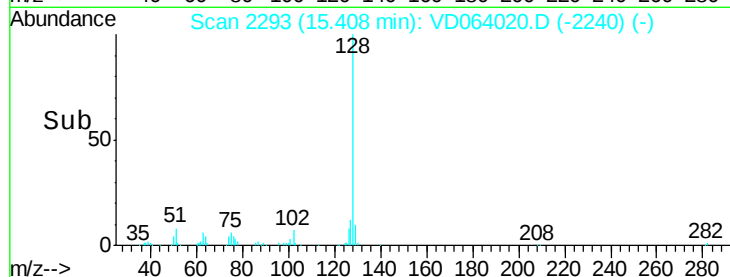
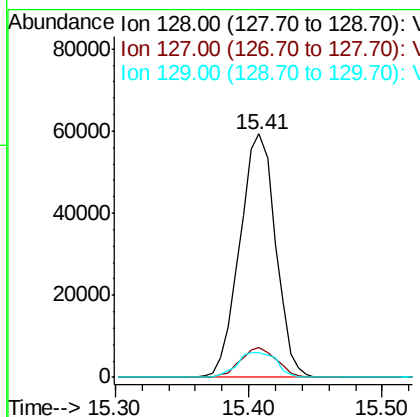
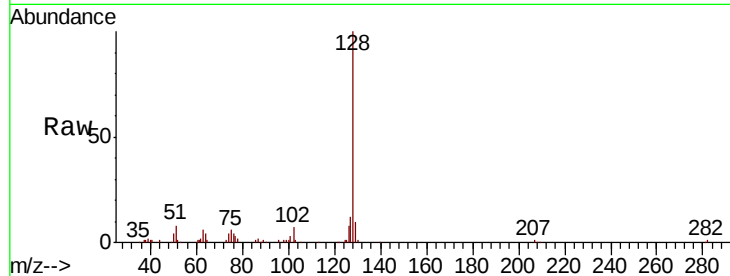
#95
Naphthalene
Concen: 20.993 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Instrument :
MSVOA_D
ClientSampleId :
VD1023SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	110064		
127	12.4		10.6	16.0
129	11.3		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/24/2019 4:53:23 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.619 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD064020.D
Acq: 23 Oct 2019 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	55492		
182	95.7		47.0	141.0
145	28.1		15.3	45.9

