

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011020\
 Data File : VD064834.D
 Acq On : 10 Jan 2020 15:40
 Operator : VA/SY
 Sample : VD0110SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:38:22 PM

Quant Time: Jan 10 22:42:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	387952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	560471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	494793	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	241051	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	185483	54.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.44%	
35) Dibromofluoromethane	7.92	113	180688	52.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.10%	
50) Toluene-d8	10.34	98	679926	51.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.26%	
62) 4-Bromofluorobenzene	12.64	95	217485	52.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	64363	21.348	ug/l	95
3) Chloromethane	2.21	50	97643	23.157	ug/l	98
4) Vinyl Chloride	2.35	62	114496	22.270	ug/l	98
5) Bromomethane	2.76	94	78682	21.048	ug/l	93
6) Chloroethane	2.92	64	76622	22.242	ug/l	99
7) Trichlorofluoromethane	3.27	101	192662	22.256	ug/l	99
8) Diethyl Ether	3.70	74	38725	22.528	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	81837	22.827	ug/l	98
10) Methyl Iodide	4.29	142	79709	20.699	ug/l	99
11) Tert butyl alcohol	5.26	59	22409	114.300	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	75832	22.218	ug/l	92
13) Acrolein	3.93	56	20966	76.734	ug/l	98
14) Allyl chloride	4.71	41	118512	22.270	ug/l	98
15) Acrylonitrile	5.43	53	82694	115.490	ug/l	99
16) Acetone	4.17	43	86729	115.231	ug/l	92
17) Carbon Disulfide	4.40	76	234710	21.267	ug/l	97
18) Methyl Acetate	4.73	43	48179	25.016	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	170650	22.510	ug/l	98
20) Methylene Chloride	4.97	84	94381	24.482	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	88850	22.858	ug/l	98
22) Diisopropyl ether	6.37	45	246376	23.212	ug/l	96
23) Vinyl Acetate	6.31	43	667860	110.921	ug/l	98
24) 1,1-Dichloroethane	6.27	63	147863	23.205	ug/l	98
25) 2-Butanone	7.22	43	114888	122.179	ug/l	97
26) 2,2-Dichloropropane	7.21	77	139761	23.590	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	95348	22.729	ug/l	95
28) Bromochloromethane	7.55	49	50738	20.484	ug/l	95
29) Tetrahydrofuran	7.57	42	66395	113.541	ug/l	97
30) Chloroform	7.71	83	152549	22.818	ug/l	97
31) Cyclohexane	7.98	56	137318	21.528	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	146055	23.260	ug/l	99
36) 1,1-Dichloropropene	8.11	75	122289	22.669	ug/l	99
37) Ethyl Acetate	7.30	43	43982	20.754	ug/l #	93
38) Carbon Tetrachloride	8.10	117	132225	22.987	ug/l	94

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	139061	21.284	ug/l	89
40) Benzene	8.35	78	335292	22.768	ug/l	97
41) Methacrylonitrile	7.53	41	22858	18.590	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	99971	23.492	ug/l	99
43) Isopropyl Acetate	8.46	43	93234	22.103	ug/l	100
44) Trichloroethene	9.11	130	96091	22.212	ug/l	94
45) 1,2-Dichloropropane	9.39	63	81354	23.137	ug/l	98
46) Dibromomethane	9.48	93	45029	22.970	ug/l	98
47) Bromodichloromethane	9.67	83	121015	23.199	ug/l	99
48) Methyl methacrylate	9.46	41	44176	22.242	ug/l	94
49) 1,4-Dioxane	9.47	88	10123	447.835	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	239989	115.105	ug/l	100
52) Toluene	10.41	92	217201	22.481	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	110563	22.734	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	127714	22.271	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	59263	22.432	ug/l	97
56) Ethyl methacrylate	10.66	69	72676	22.027	ug/l	95
57) 1,3-Dichloropropane	10.95	76	105319	23.153	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	152420	121.252	ug/l	99
59) 2-Hexanone	10.99	43	170948	120.803	ug/l	99
60) Dibromochloromethane	11.14	129	80129	21.933	ug/l	96
61) 1,2-Dibromoethane	11.25	107	58324	22.383	ug/l	99
64) Tetrachloroethene	10.88	164	82740	21.797	ug/l	97
65) Chlorobenzene	11.67	112	229293	22.328	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	85112	21.985	ug/l	98
67) Ethyl Benzene	11.75	91	402769	21.608	ug/l	99
68) m/p-Xylenes	11.86	106	311324	43.273	ug/l	96
69) o-Xylene	12.18	106	138657	21.337	ug/l	96
70) Styrene	12.20	104	249123	21.840	ug/l	98
71) Bromoform	12.36	173	47541	21.534	ug/l #	97
73) Isopropylbenzene	12.48	105	382496	22.205	ug/l	99
74) N-amyl acetate	12.29	43	84256	22.881	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	62366	23.047	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	39313m	20.653	ug/l	
77) Bromobenzene	12.77	156	94334	22.287	ug/l	98
78) n-propylbenzene	12.83	91	452797	22.531	ug/l	100
79) 2-Chlorotoluene	12.91	91	247242	22.396	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	314476	22.224	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	20291	22.295	ug/l	95
82) 4-Chlorotoluene	13.01	91	267743	22.790	ug/l	98
83) tert-Butylbenzene	13.23	119	270169	21.990	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	311910	22.133	ug/l	100
85) sec-Butylbenzene	13.41	105	373822	22.194	ug/l	98
86) p-Isopropyltoluene	13.53	119	345792	21.470	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	178645	22.140	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	177650	22.412	ug/l	98
89) n-Butylbenzene	13.85	91	324350	22.363	ug/l	98
90) Hexachloroethane	14.12	117	69047	22.443	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	153542	22.316	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10217	23.290	ug/l	92

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ClientSampleId :
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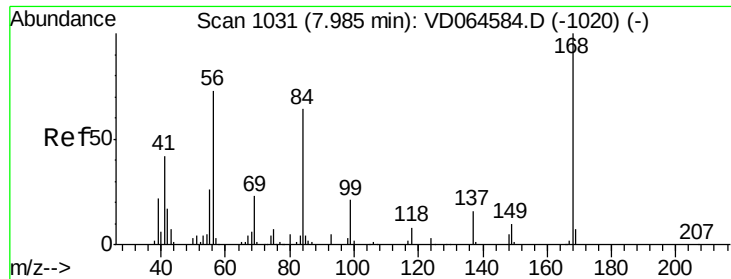
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	107811	21.281	ug/l	99
94) Hexachlorobutadiene	15.27	225	65994	20.701	ug/l	96
95) Naphthalene	15.41	128	166588	20.785	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	92664	21.425	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion:168 Resp: 387952

Ion Ratio Lower Upper

168 100

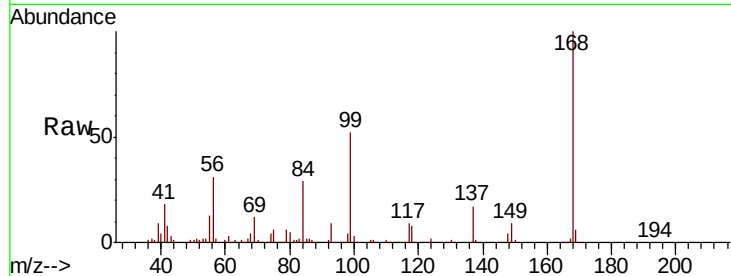
99 51.5 41.8 62.6

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

200000

150000

100000

50000

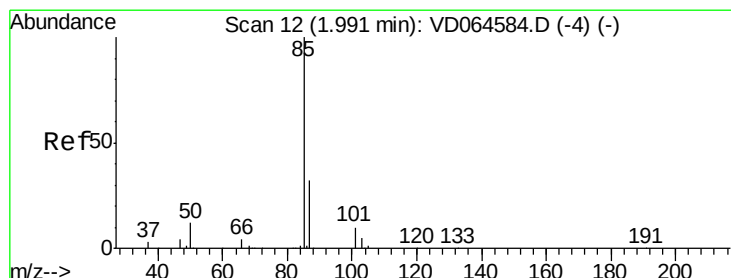
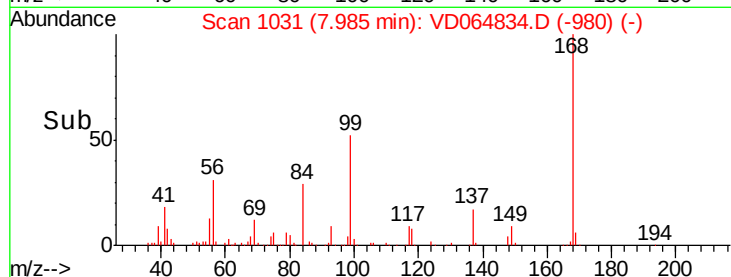
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.348 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064834.D

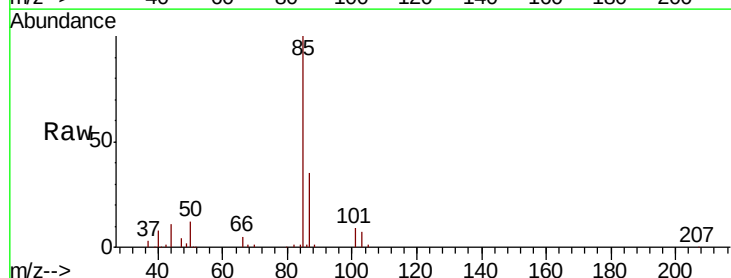
Acq: 10 Jan 2020 15:40

Tgt Ion: 85 Resp: 64363

Ion Ratio Lower Upper

85 100

87 35.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

50000

40000

30000

20000

10000

0

1.90

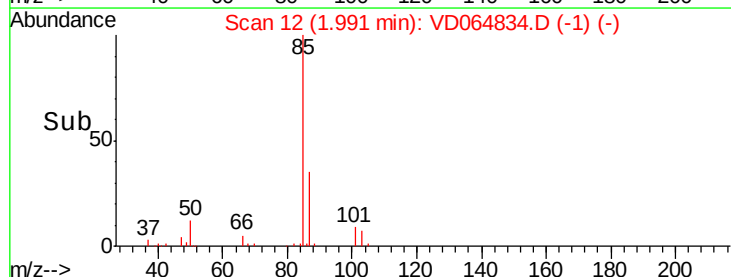
1.95

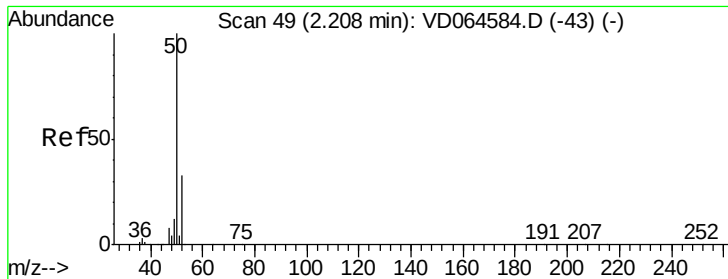
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 23.157 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBSD01

Tot Ion: 50 Resp: 97643

Ion Ratio Lower Upper

50 100

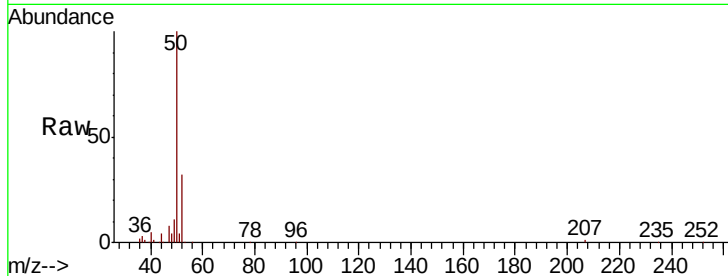
52 32.2 26.5 39.7

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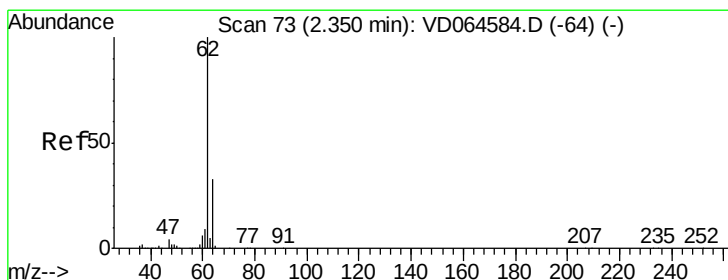
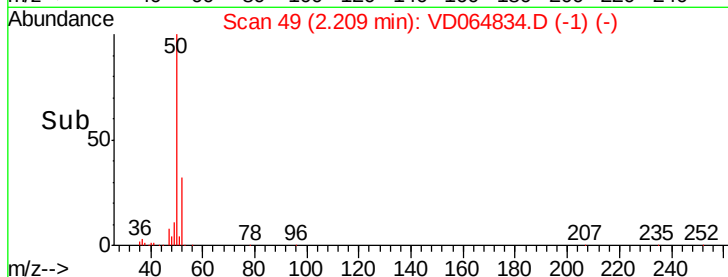
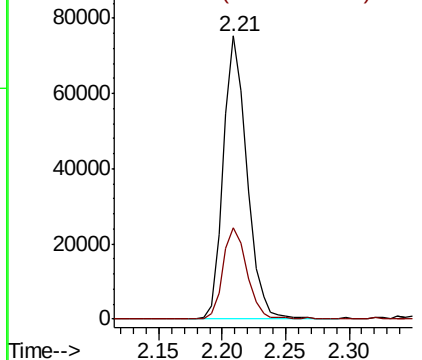
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.270 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064834.D

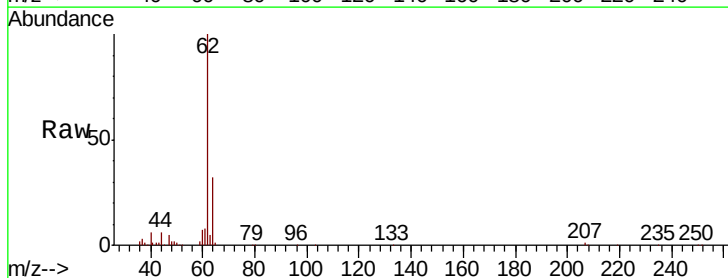
Acq: 10 Jan 2020 15:40

Tgt Ion: 62 Resp: 114496

Ion Ratio Lower Upper

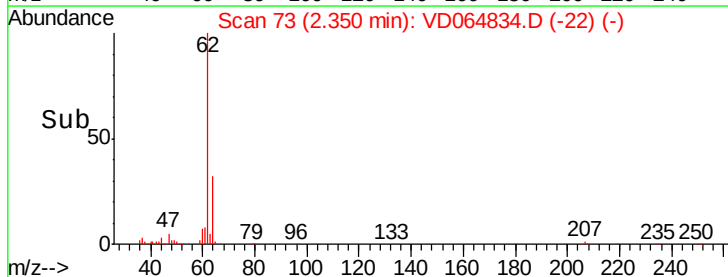
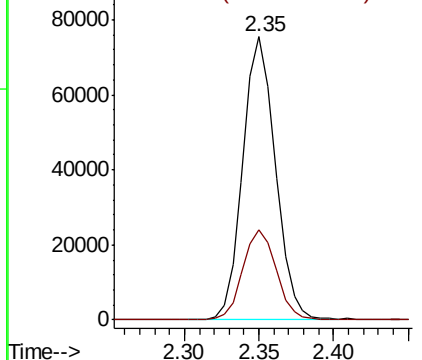
62 100

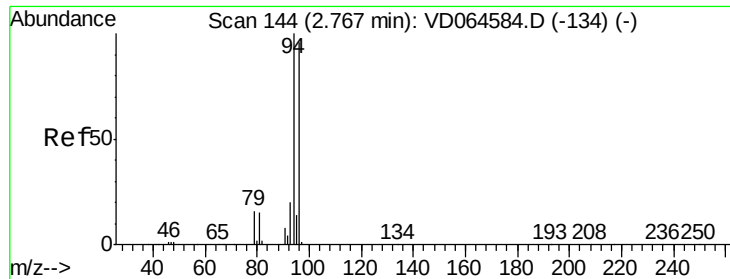
64 32.0 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.048 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion: 94 Resp: 78682

Ion Ratio Lower Upper

94 100

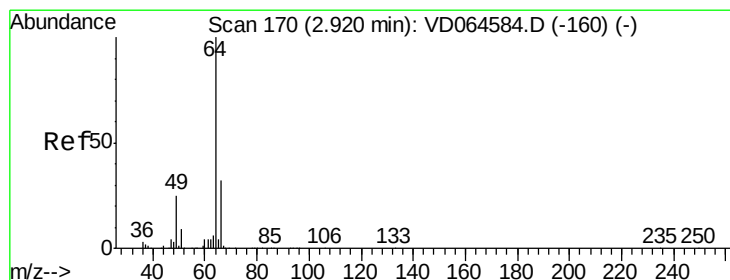
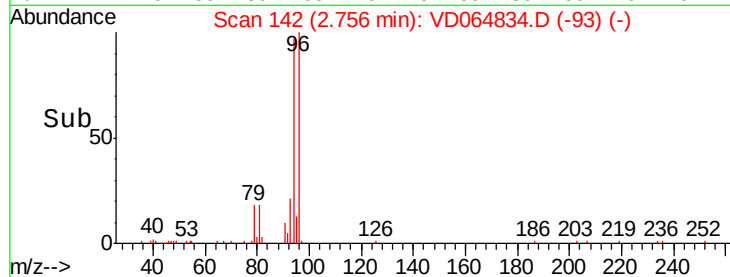
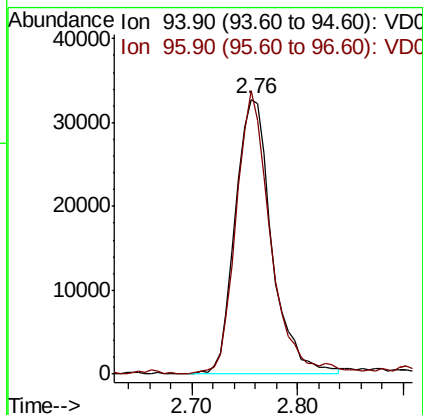
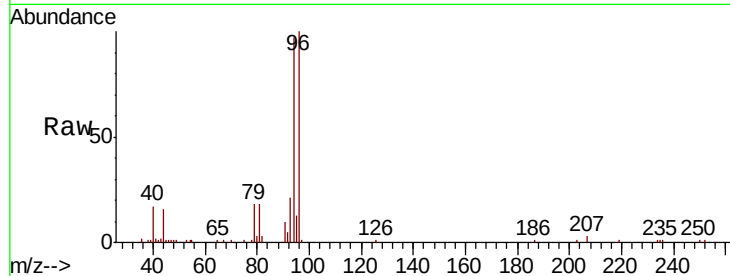
96 103.1 77.2 115.8

Manual Integrations

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#6

Chloroethane

Concen: 22.242 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064834.D

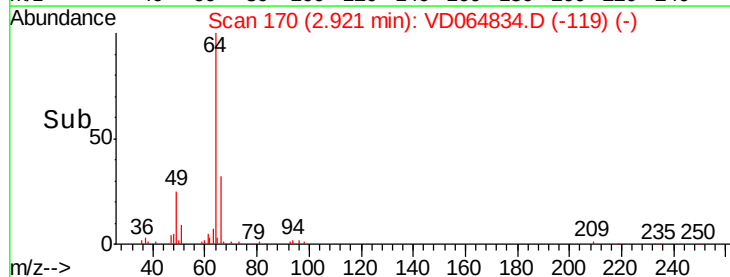
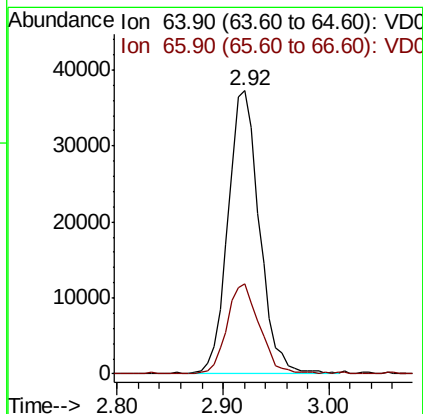
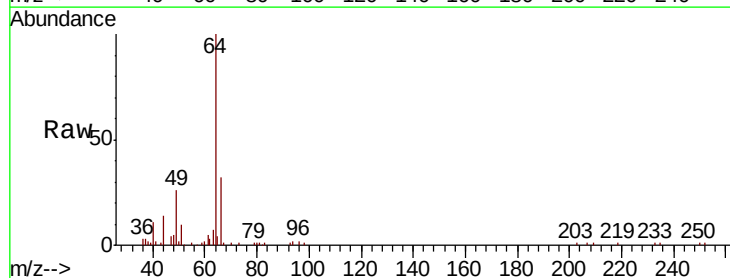
Acq: 10 Jan 2020 15:40

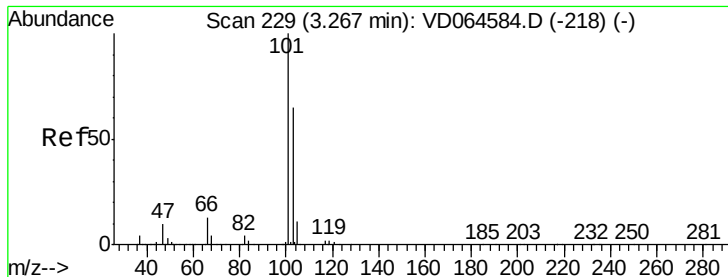
Tgt Ion: 64 Resp: 76622

Ion Ratio Lower Upper

64 100

66 31.8 25.9 38.9





#7

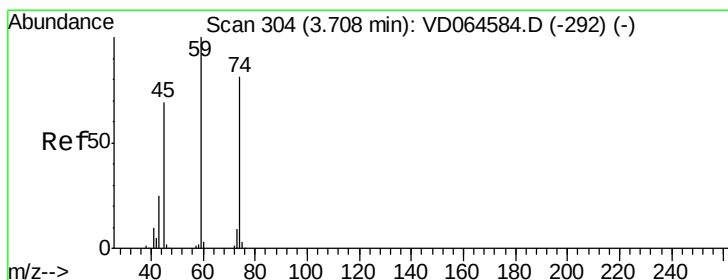
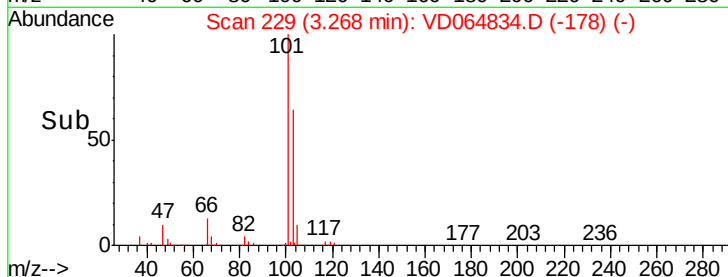
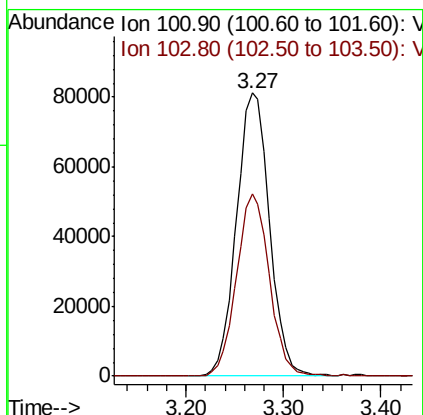
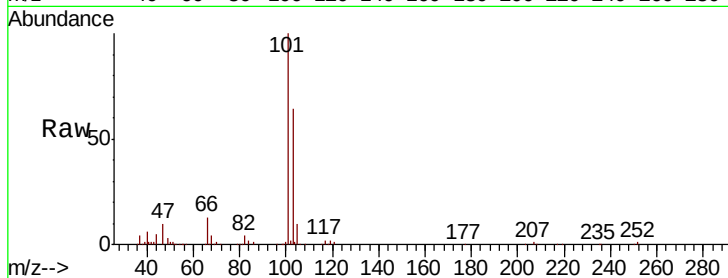
Trichlorofluoromethane
 Concen: 22.256 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	52.2	78.4

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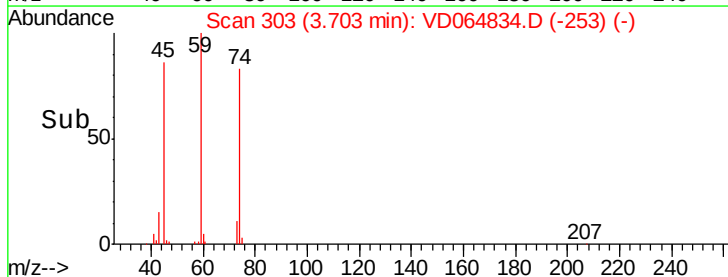
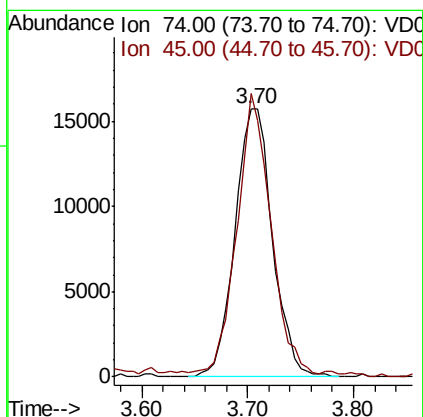
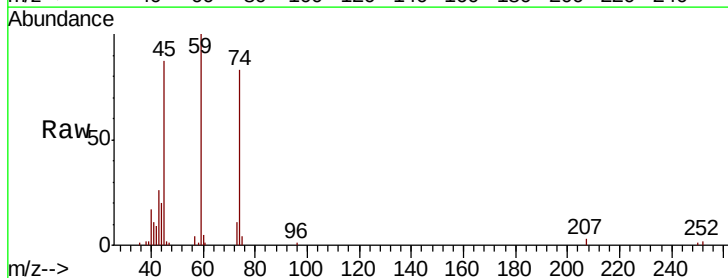
MMDadoda
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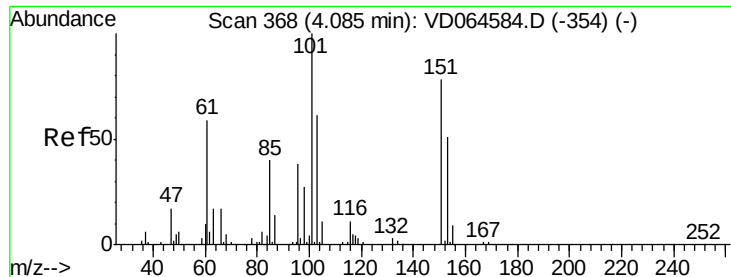


#8

Diethyl Ether
 Concen: 22.528 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.827 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

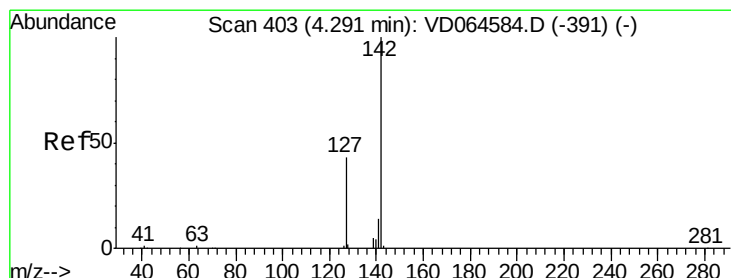
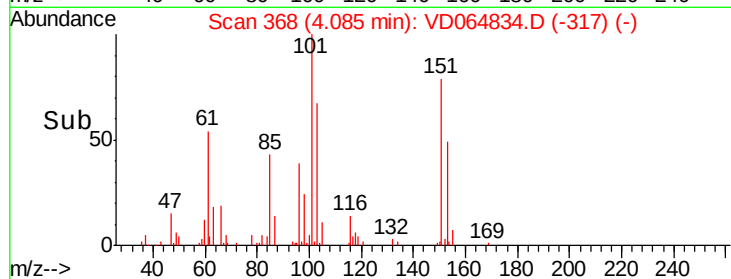
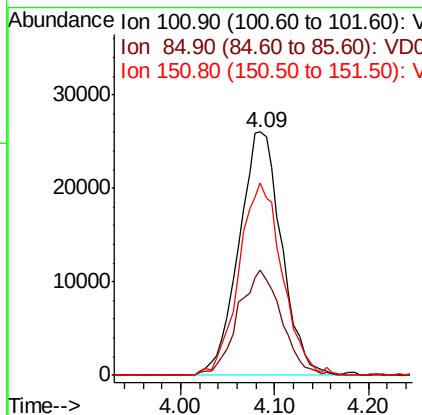
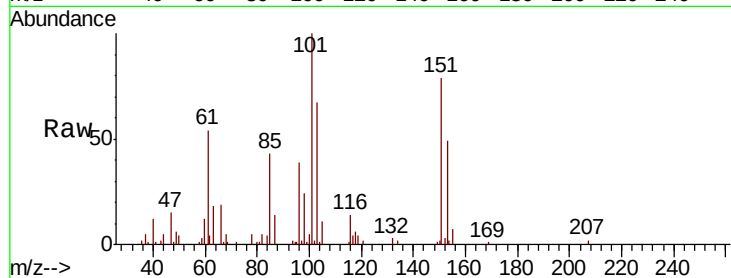
ClientSampleId :

VD0110SBS01

Tot Ion:	101	Resp:	81837
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.2	52.8
151	79.9	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 20.699 ug/l

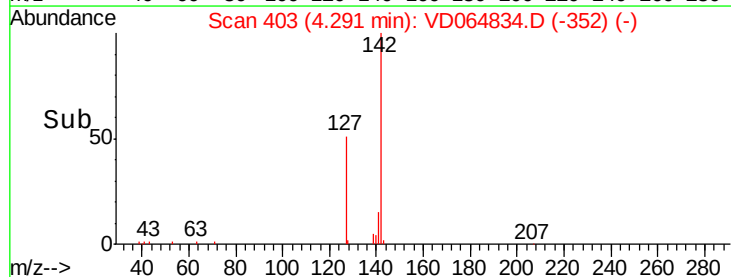
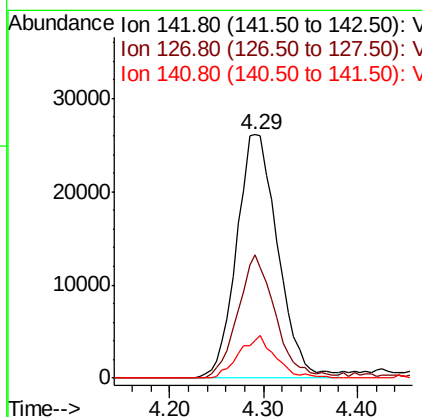
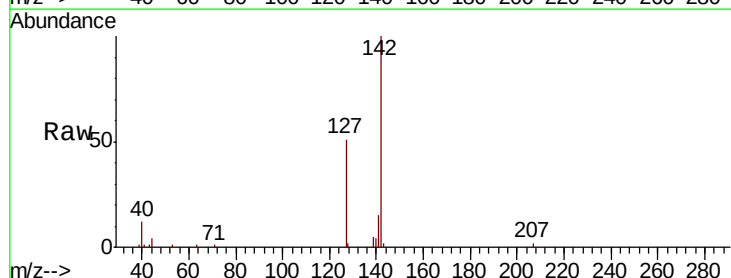
RT: 4.29 min Scan# 403

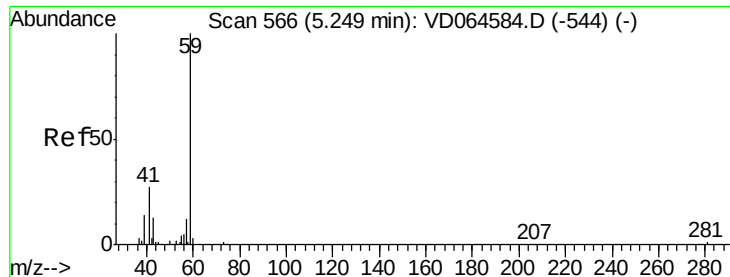
Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Tgt Ion:	142	Resp:	79709
Ion Ratio	Lower	Upper	
142	100		
127	45.9	36.2	54.4
141	15.3	11.8	17.8





#11

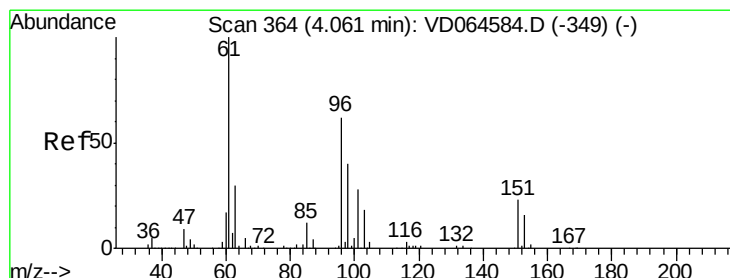
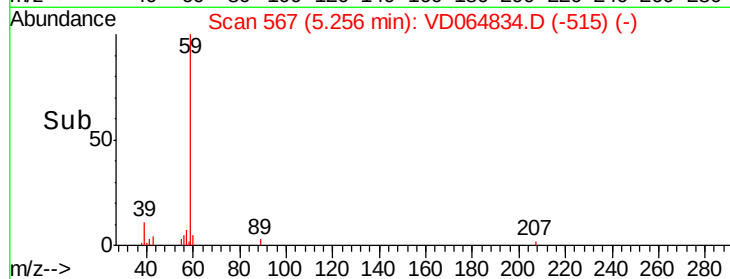
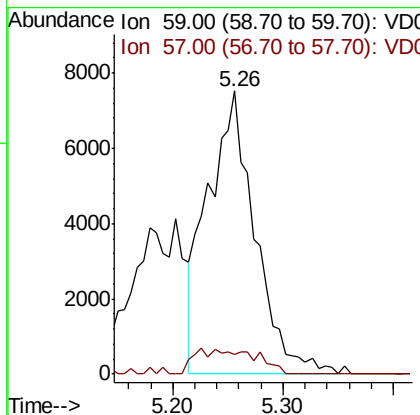
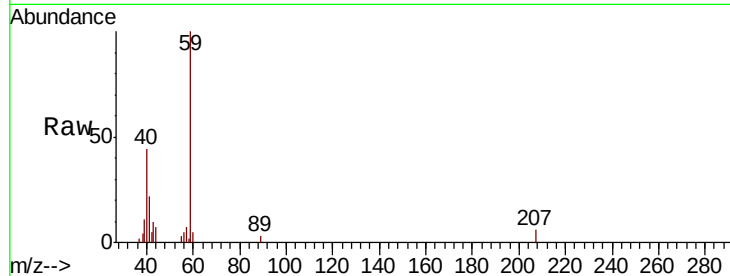
Tert butyl alcohol
Concen: 114.300 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#

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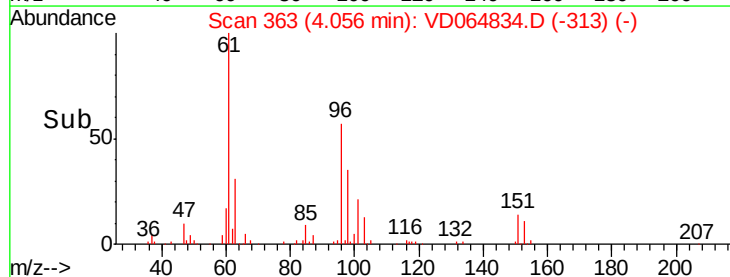
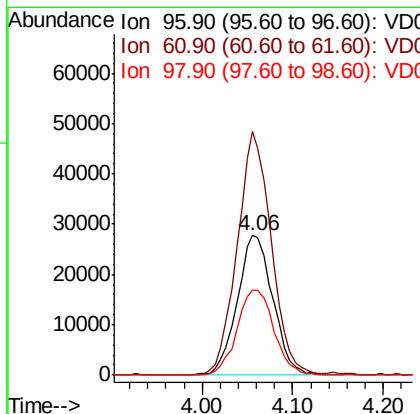
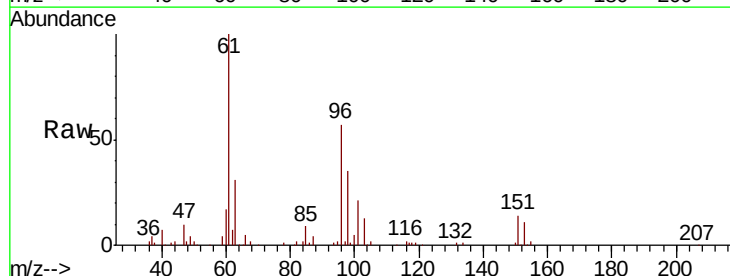
MMDadoda
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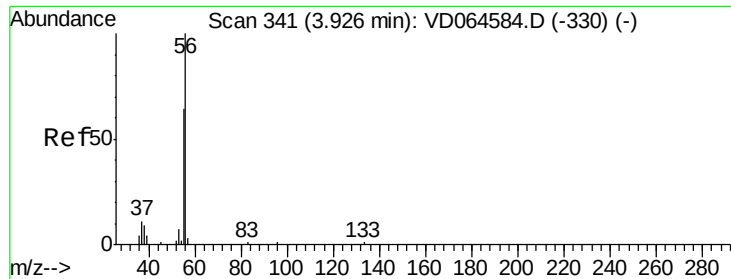


#12

1,1-Dichloroethene
Concen: 22.218 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	174.4	129.4	194.0
98	60.9	51.4	77.0





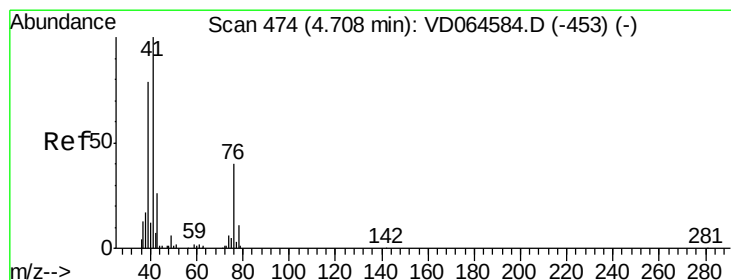
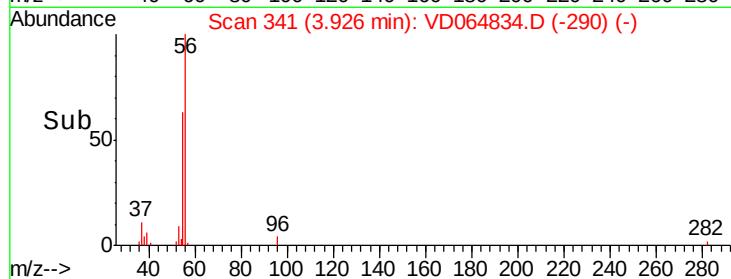
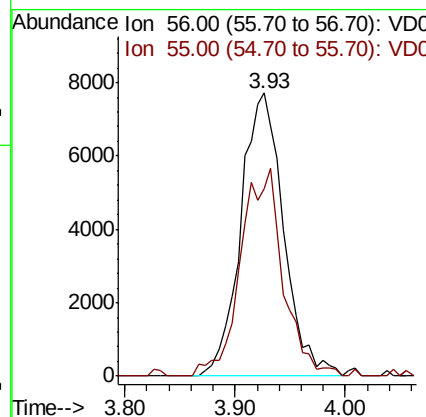
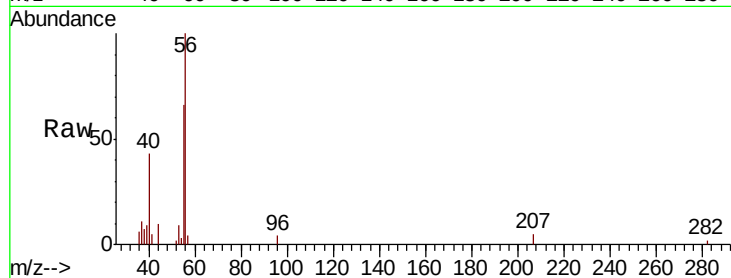
#13
 Acrolein
 Concen: 76.734 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.7	56.7	85.1

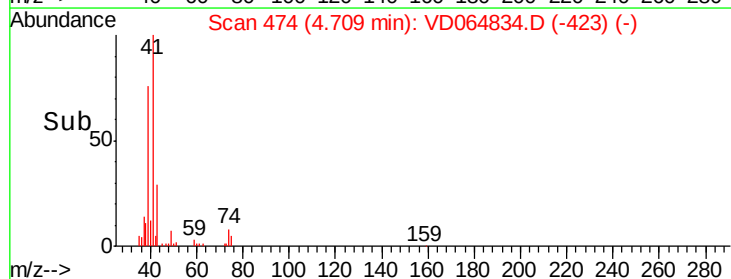
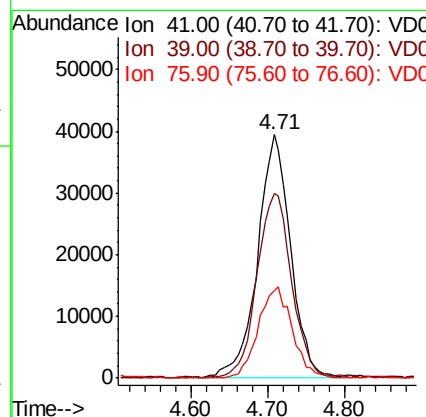
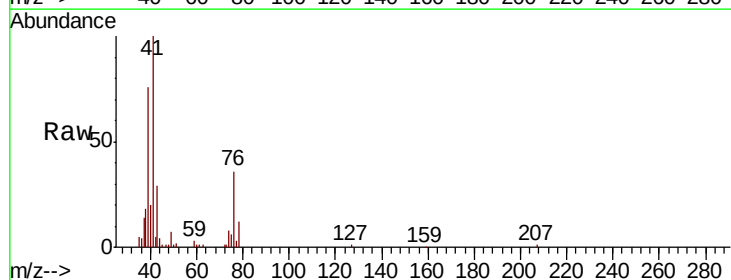
Manual Integrations
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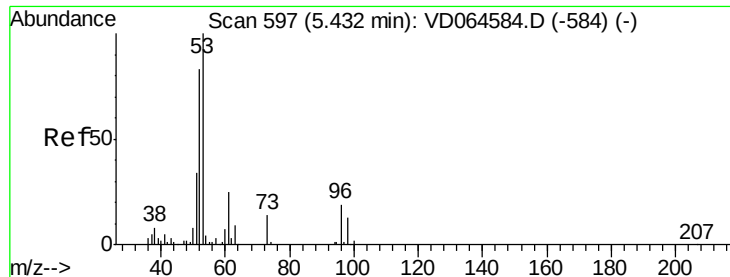
MMDadoda
 1/13/2020 12:38:22 PM



#14
 Allyl chloride
 Concen: 22.270 ug/l
 RT: 4.71 min Scan# 474
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
41	100		
39	79.5	62.3	93.5
76	38.3	29.7	44.5





#15

Acrylonitrile

Concen: 115.490 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

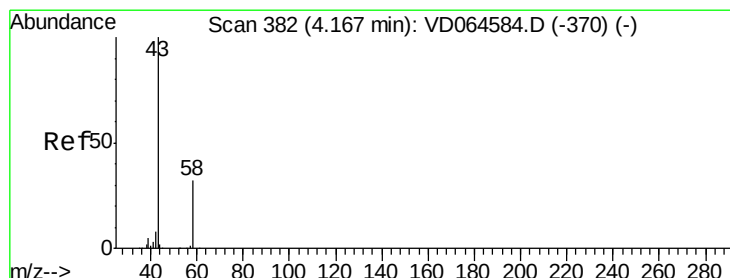
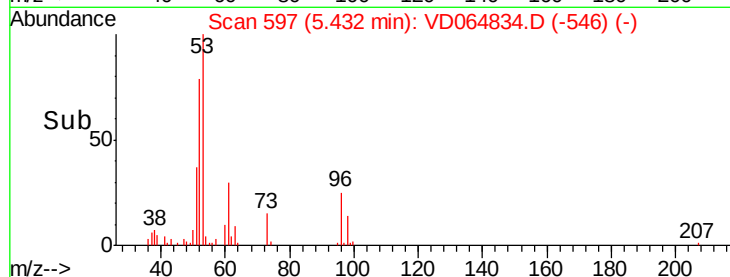
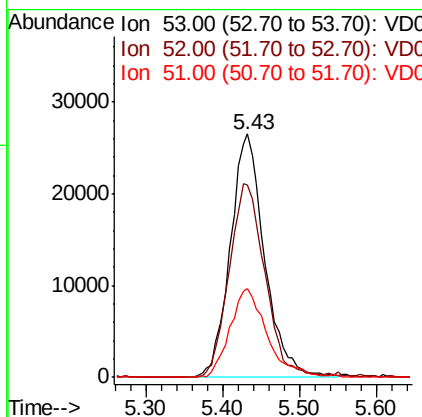
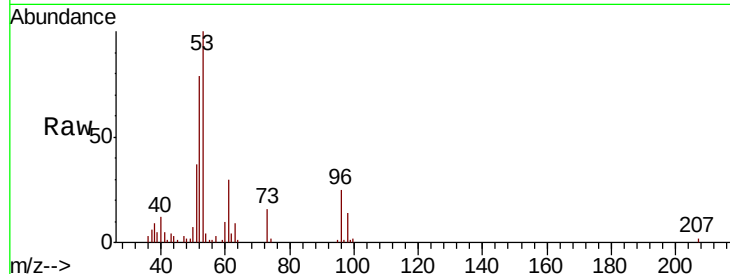
ClientSampleId :

VD0110SBS01

Tot Ion:	53	Resp:	82694
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.2	99.2
51	39.2	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 115.231 ug/l

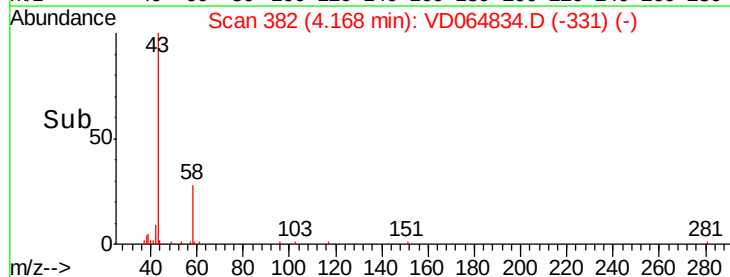
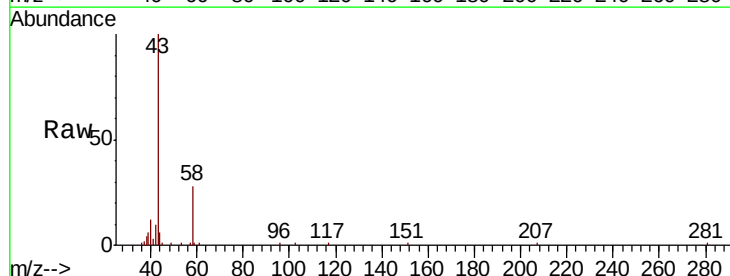
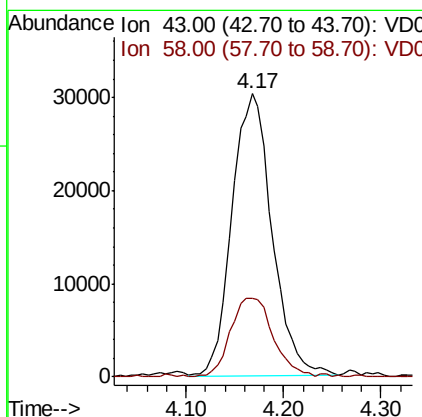
RT: 4.17 min Scan# 382

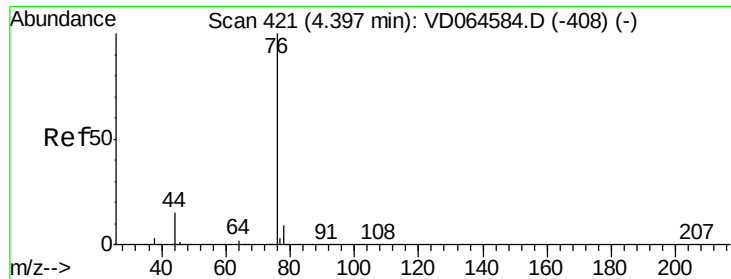
Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Tgt Ion:	43	Resp:	86729
Ion Ratio	Lower	Upper	
43	100		
58	27.8	25.8	38.6





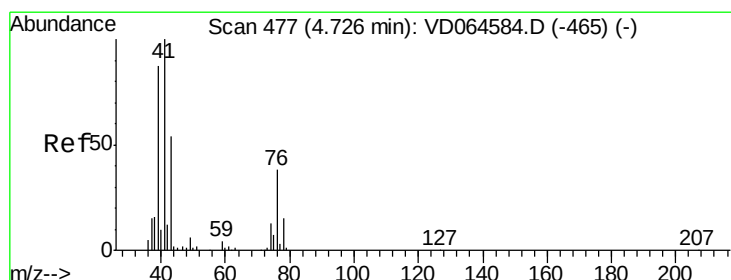
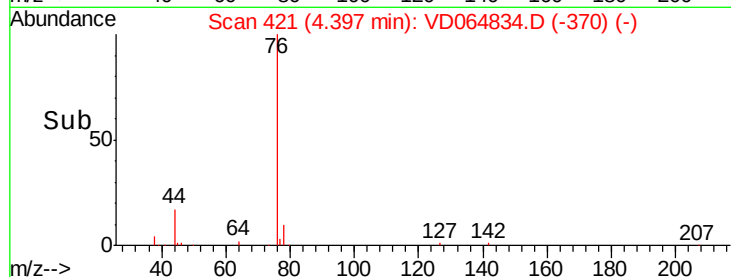
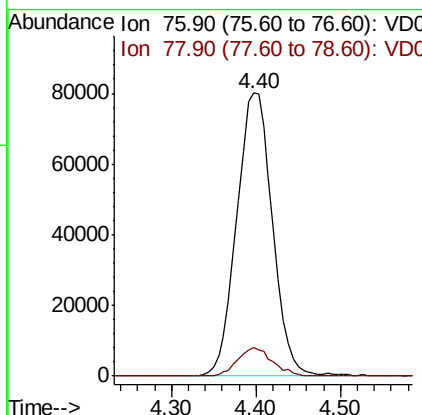
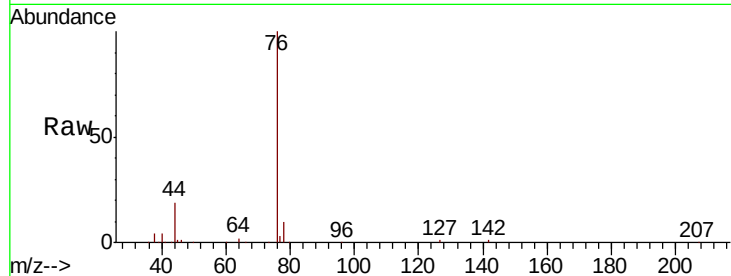
#17
Carbon Disulfide
Concen: 21.267 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.3	7.3	10.9

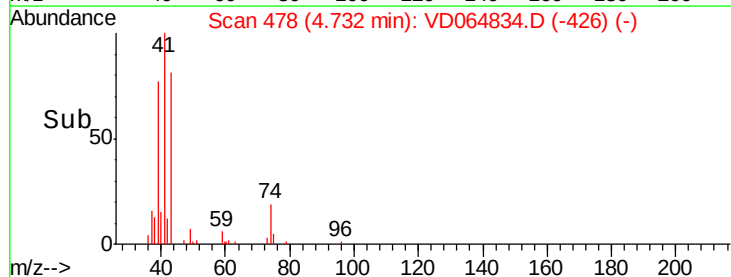
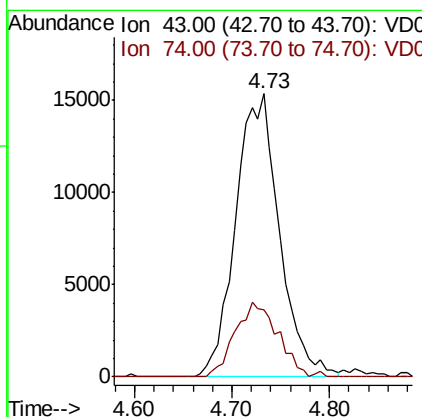
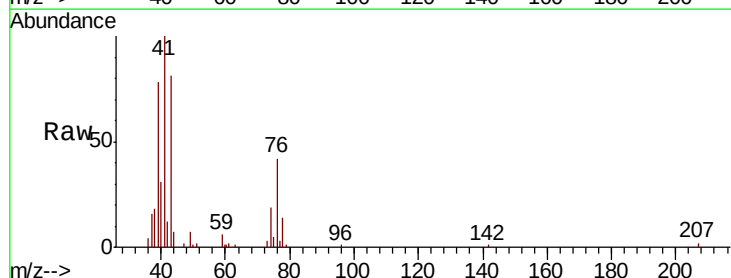
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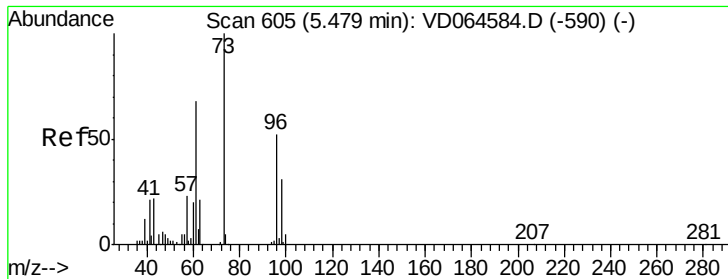
MMDadoda
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#18
Methyl Acetate
Concen: 25.016 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.5	19.2	28.8





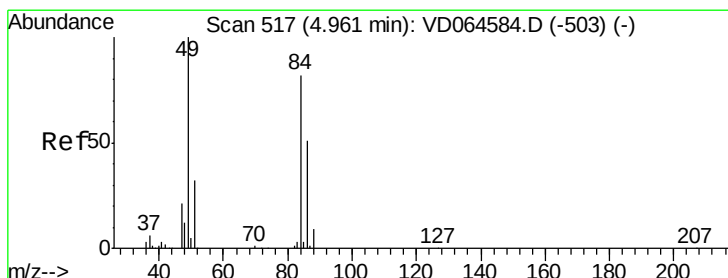
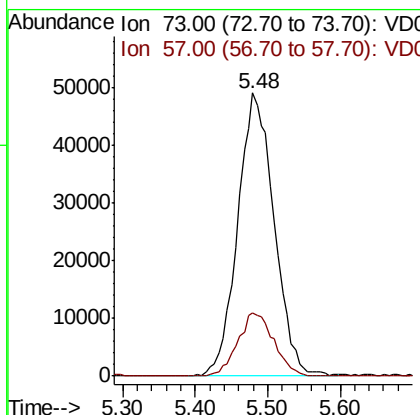
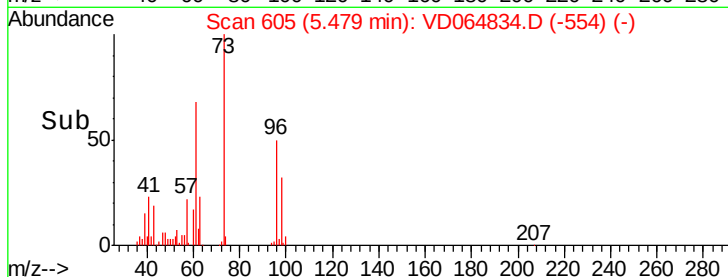
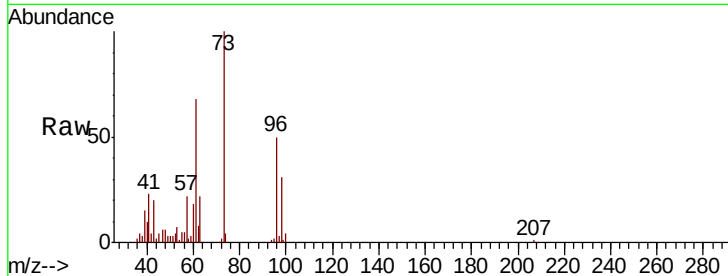
#19
Methyl tert-butyl Ether
Concen: 22.510 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.3	18.6	27.8

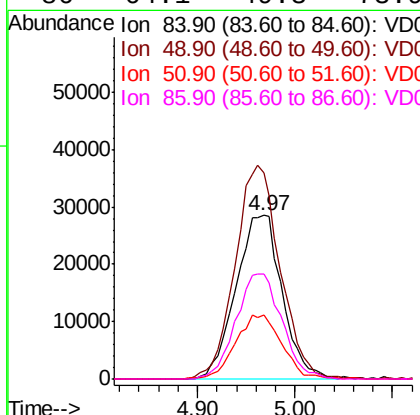
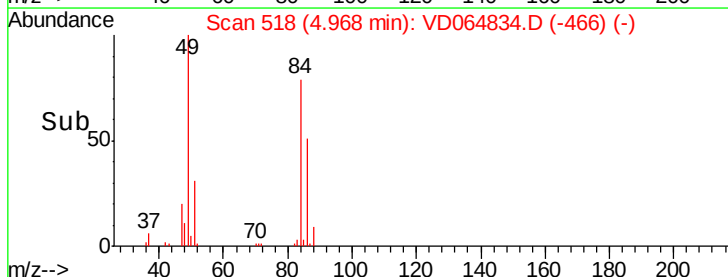
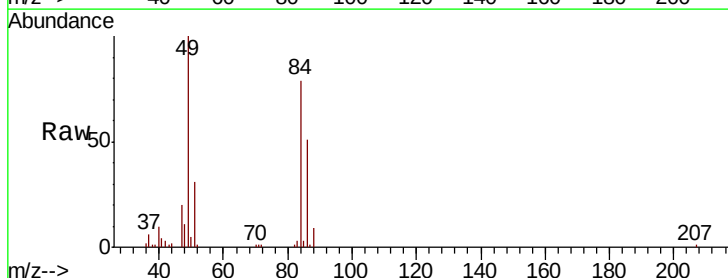
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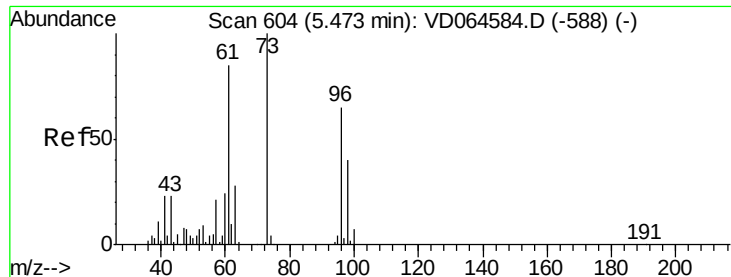
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#20
Methylene Chloride
Concen: 24.482 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.5	97.2	145.8
51	38.7	31.4	47.0
86	64.1	49.3	73.9





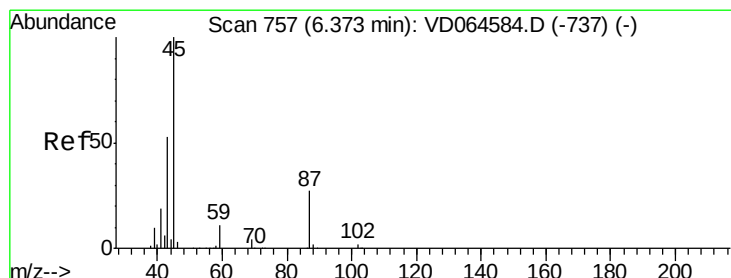
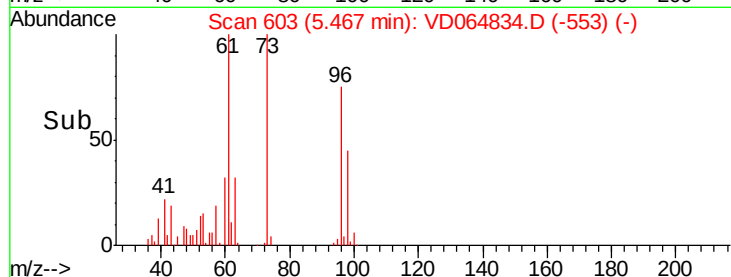
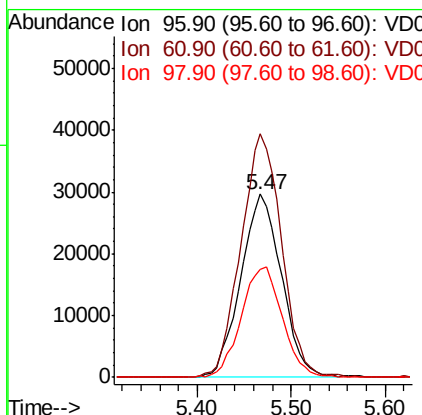
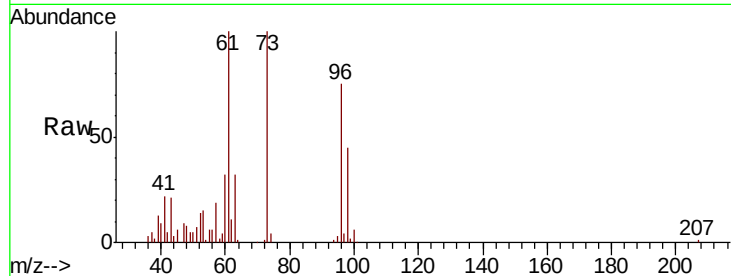
#21
trans-1,2-Dichloroethene
Concen: 22.858 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.2	104.7	157.1
98	59.4	49.4	74.2

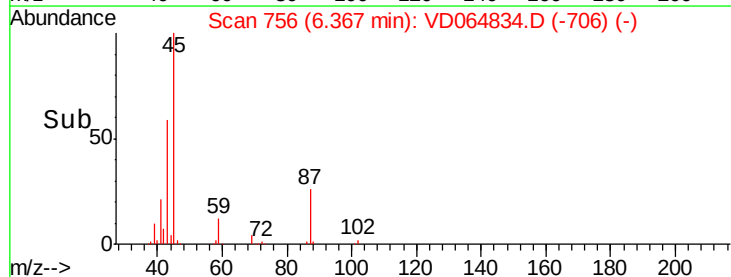
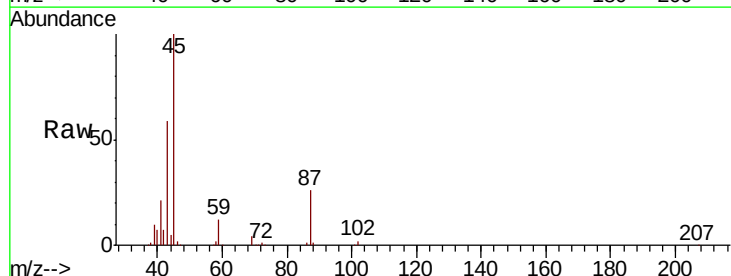
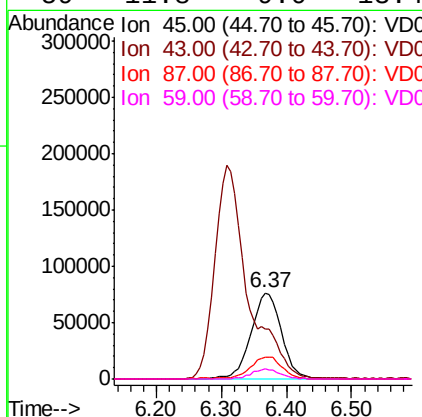
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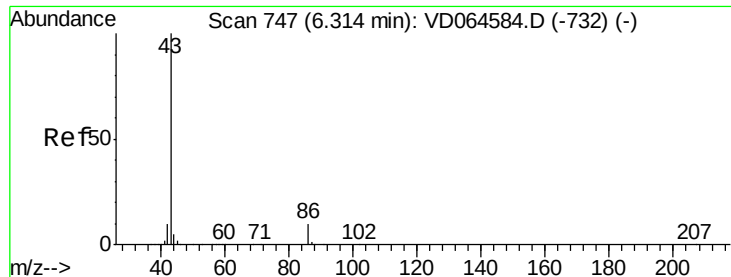
MMDadoda
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#22
Diisopropyl ether
Concen: 23.212 ug/l
RT: 6.37 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.8	43.2	64.8
87	26.1	21.9	32.9
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 110.921 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion: 43 Resp: 667860

Ion Ratio Lower Upper

43 100

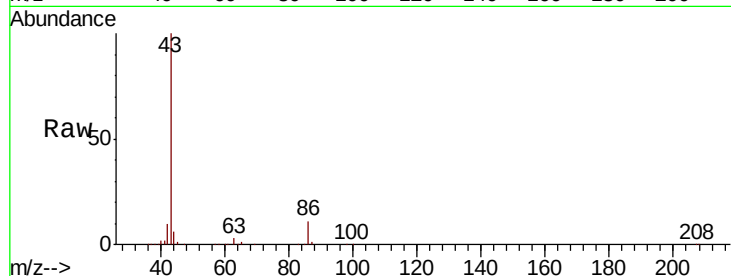
86 11.1 8.3 12.5

Manual Integrations

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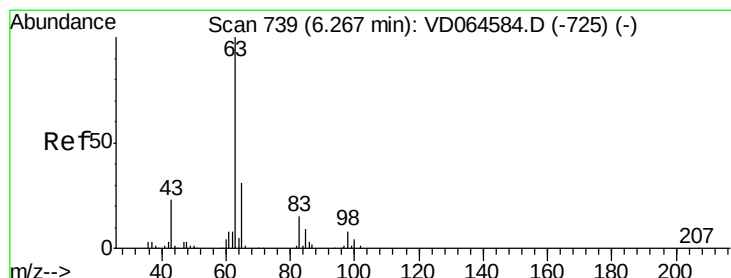
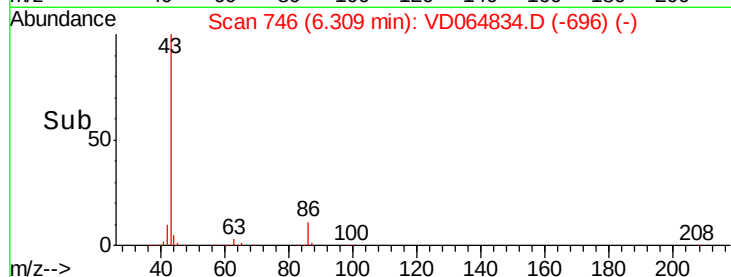
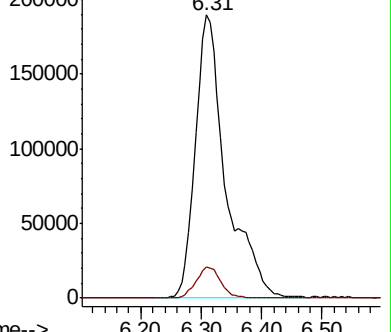
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 23.205 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

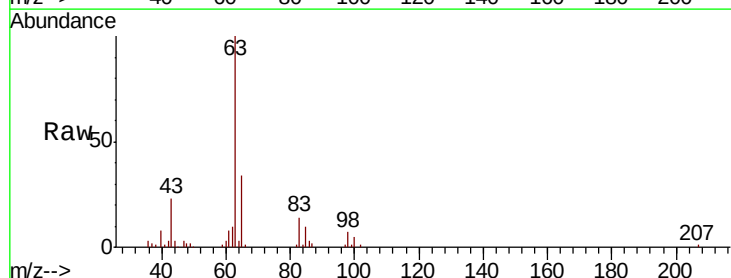
Tgt Ion: 63 Resp: 147863

Ion Ratio Lower Upper

63 100

98 7.3 4.1 12.3

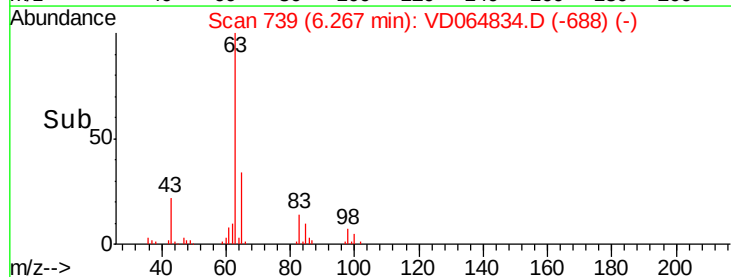
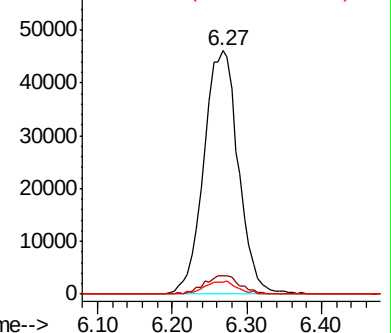
100 4.9 2.2 6.6

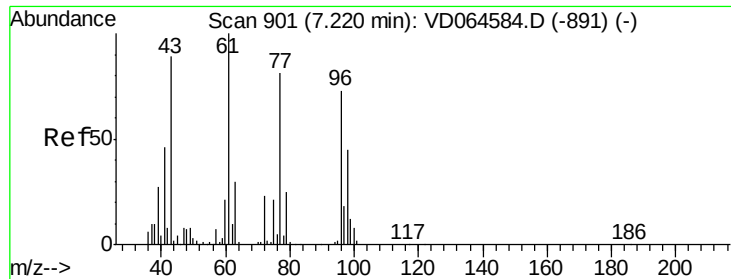


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





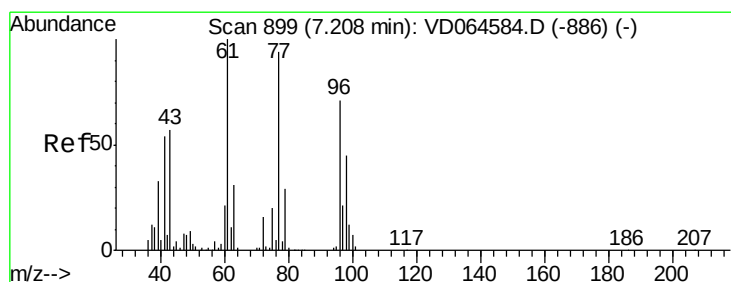
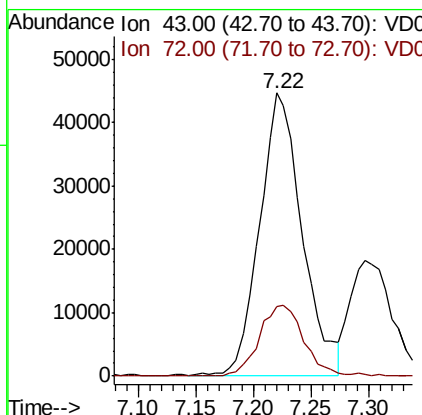
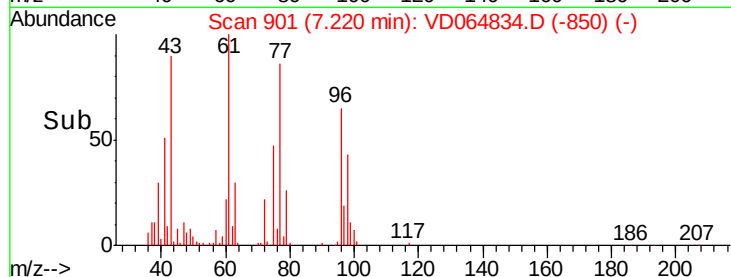
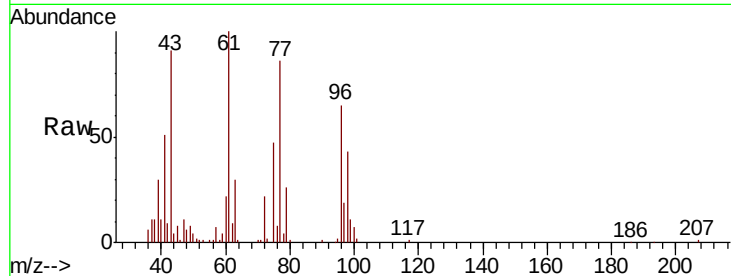
#25
2-Butanone
Concen: 122.179 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion: 43 Resp: 114888
Ion Ratio Lower Upper
43 100
72 24.6 20.7 31.1

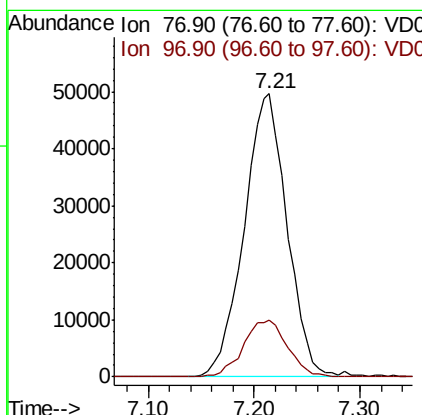
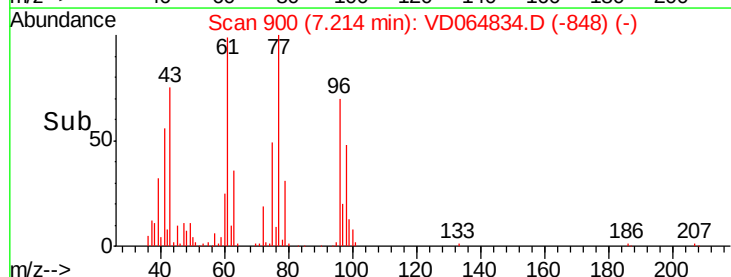
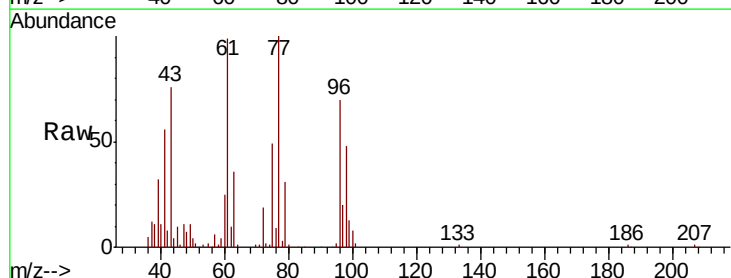
Manual Integrations
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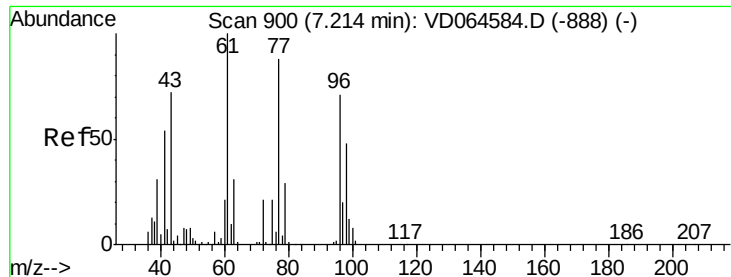
MMDadoda
1/13/2020 12:38:22 PM



#26
2,2-Dichloropropane
Concen: 23.590 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion: 77 Resp: 139761
Ion Ratio Lower Upper
77 100
97 20.7 11.2 33.6





#27

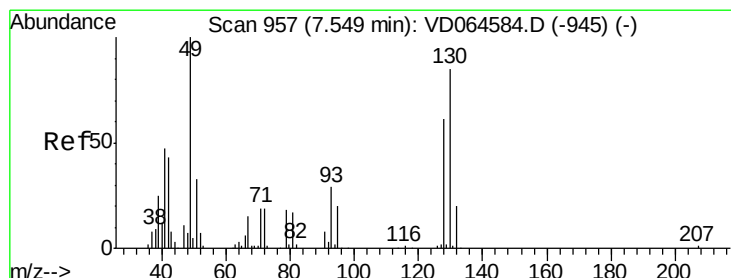
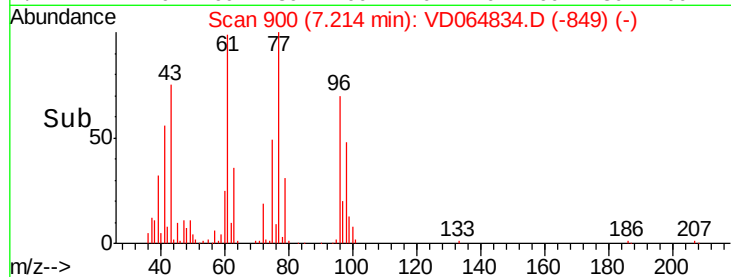
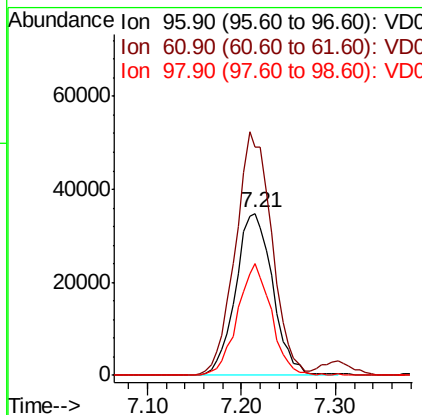
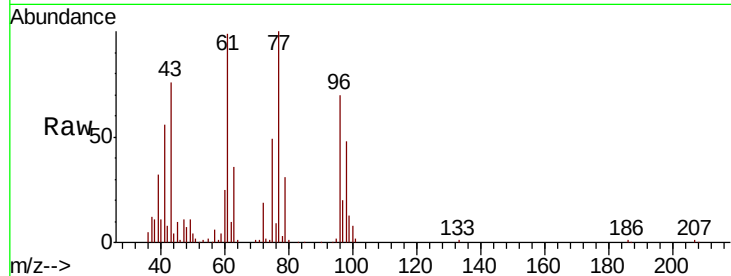
cis-1,2-Dichloroethene
Concen: 22.729 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS001

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.7	0.0	282.6
98	62.6	0.0	130.8

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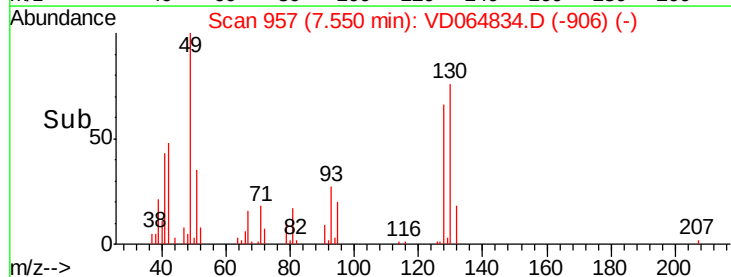
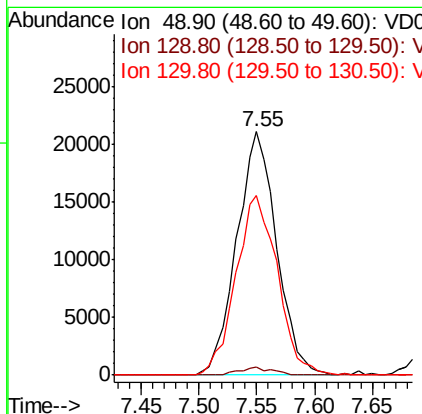
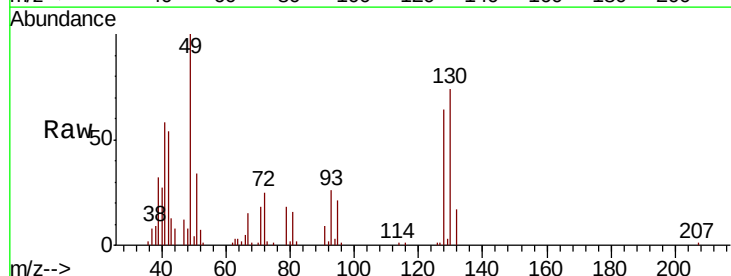
MMDadoda
1/13/2020 12:38:22 PM

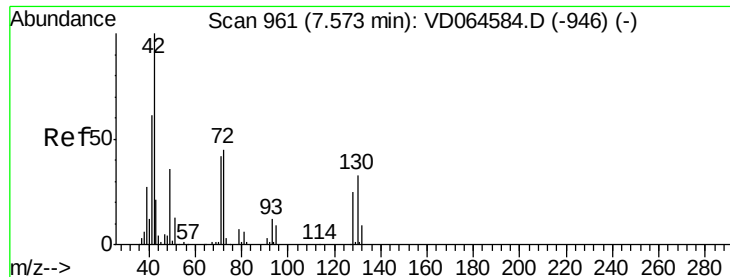


#28

Bromochloromethane
Concen: 20.484 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	76.9	65.0	97.6





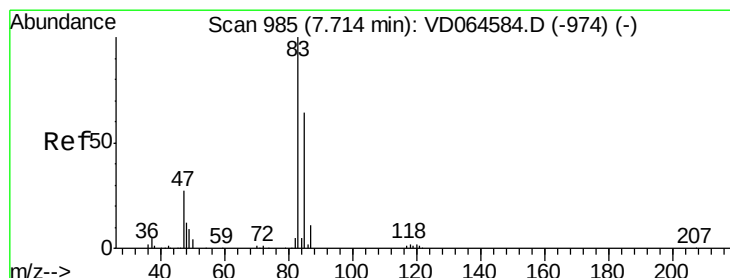
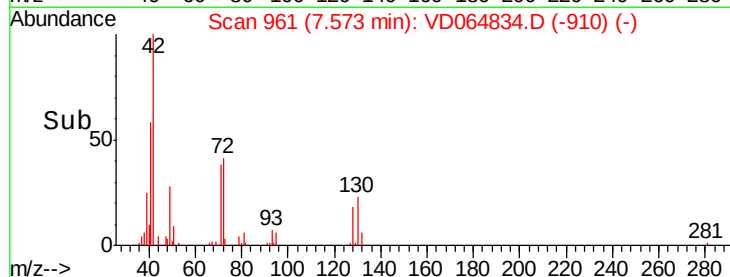
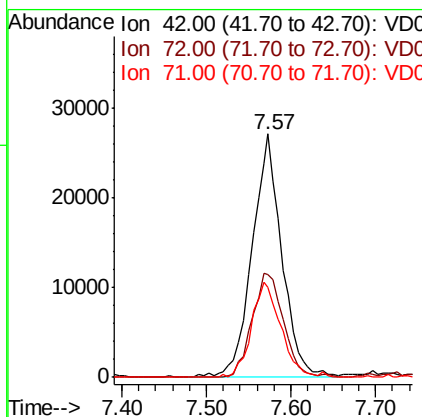
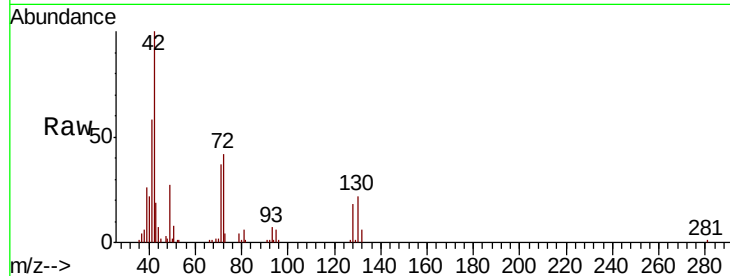
#29
Tetrahydrofuran
Concen: 113.541 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.9	35.0	52.4
71	38.5	32.9	49.3

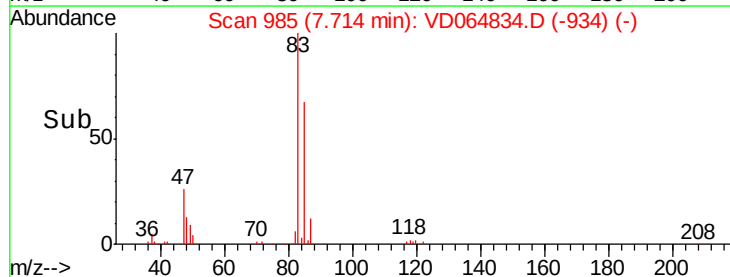
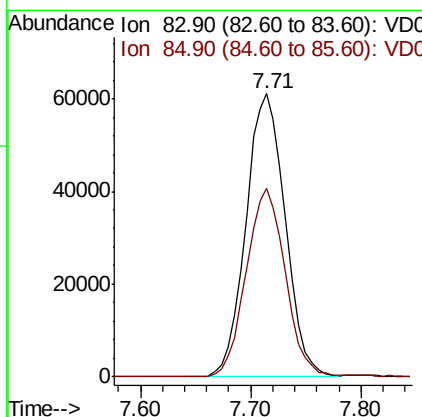
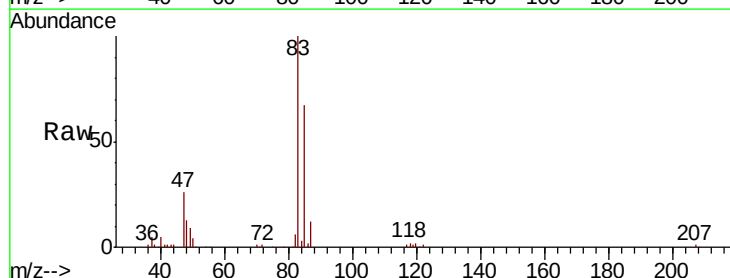
Manual Integrations
APPROVED

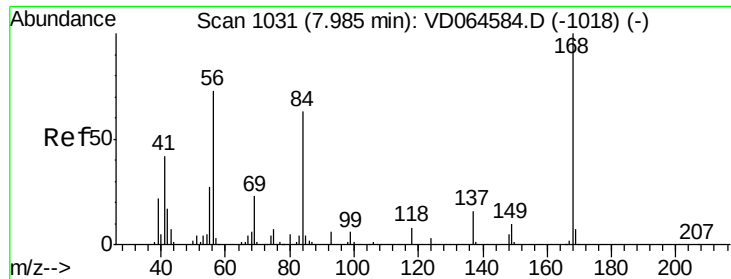
MMDadoda
1/13/2020 12:38:22 PM



#30
Chloroform
Concen: 22.818 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	51.1	76.7





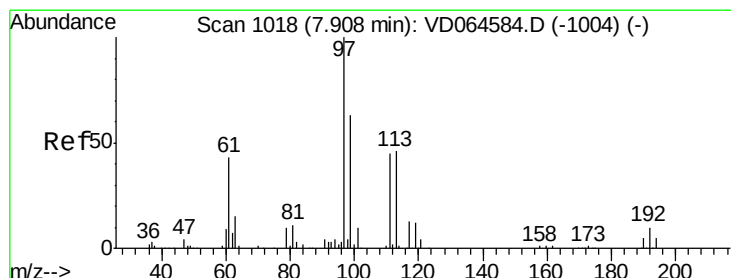
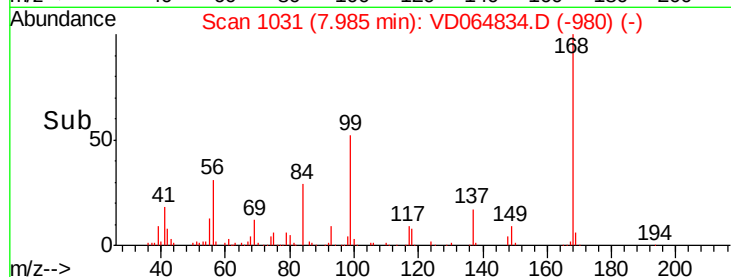
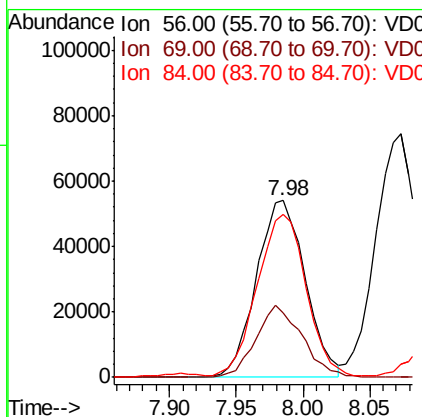
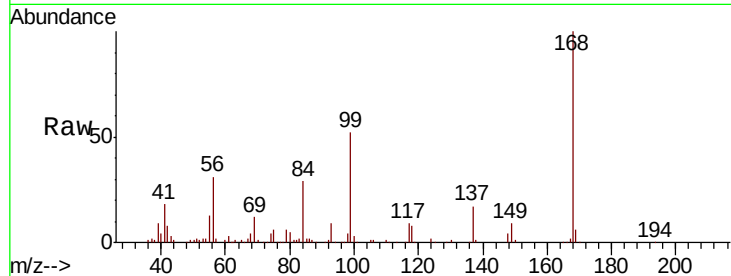
#31
Cyclohexane
Concen: 21.528 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleID :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.3	24.7	37.1
84	90.7	69.4	104.2

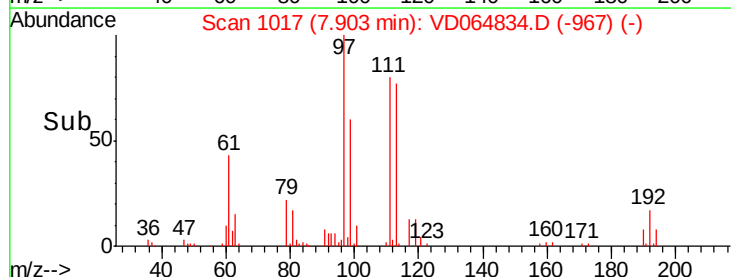
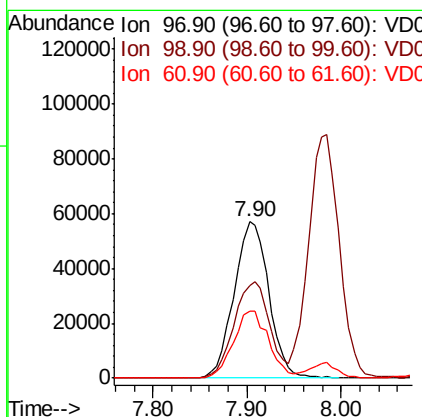
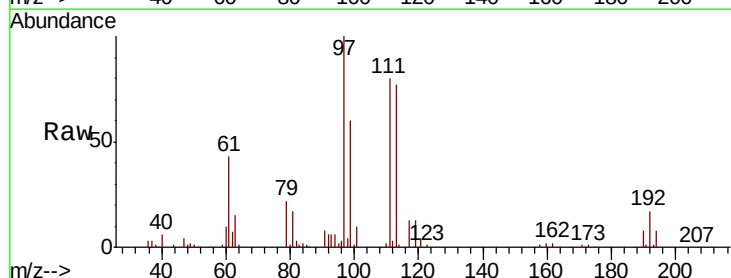
Manual Integrations
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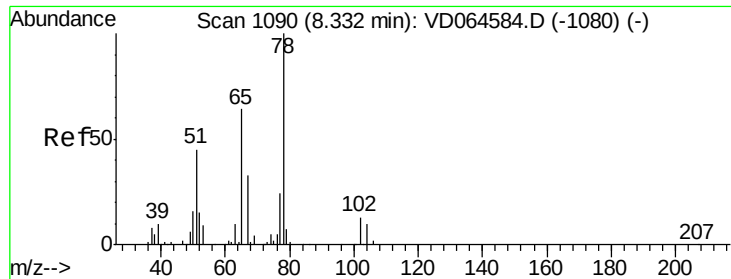
MMDadoda
1/13/2020 12:38:22 PM



#32
1,1,1-Trichloroethane
Concen: 23.260 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.0	76.6
61	43.4	35.4	53.0





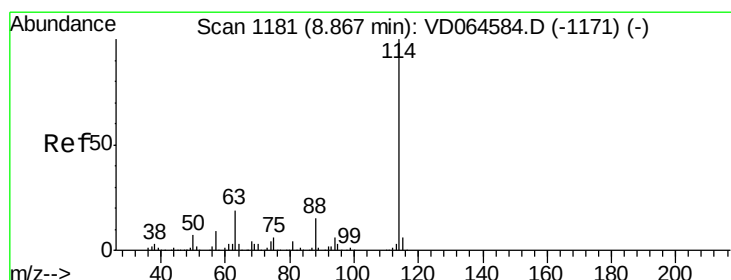
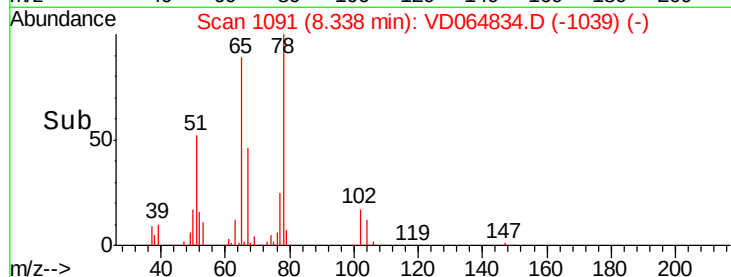
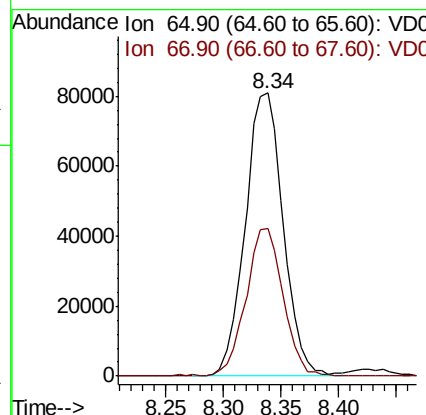
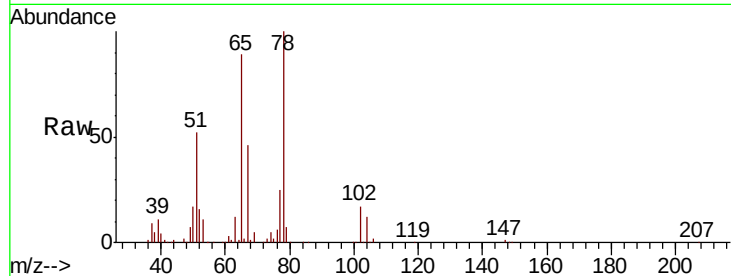
#33
 1,2-Dichloroethane-d4
 Concen: 54.220 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	106.2

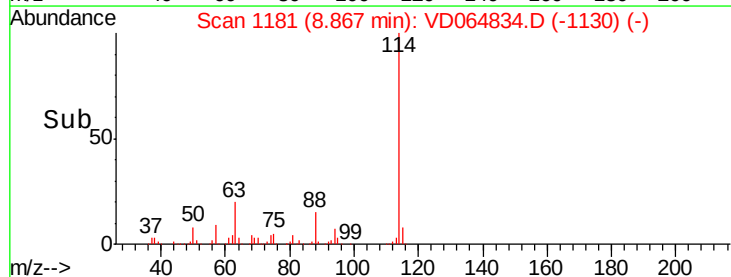
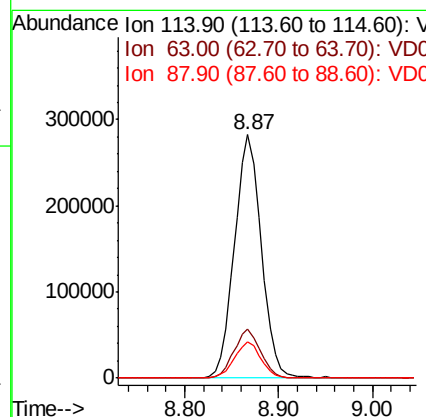
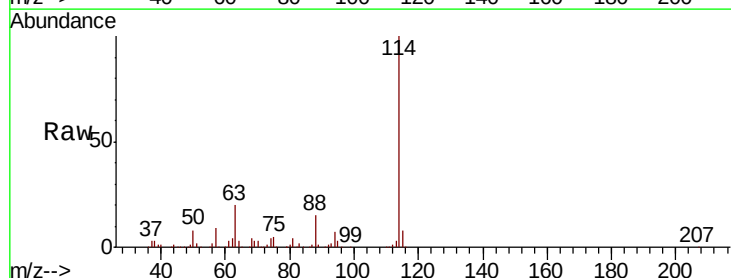
Manual Integrations
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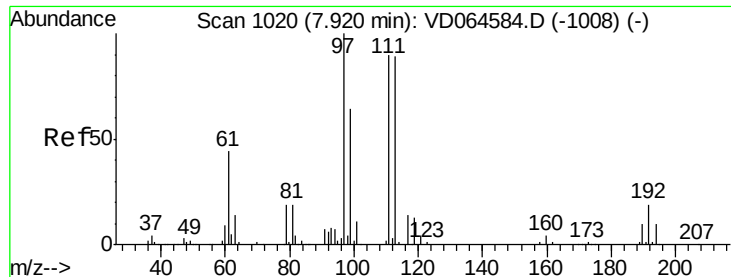
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	38.0
88	14.6	0.0	29.2





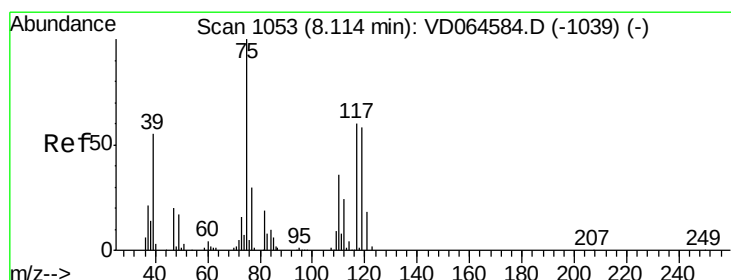
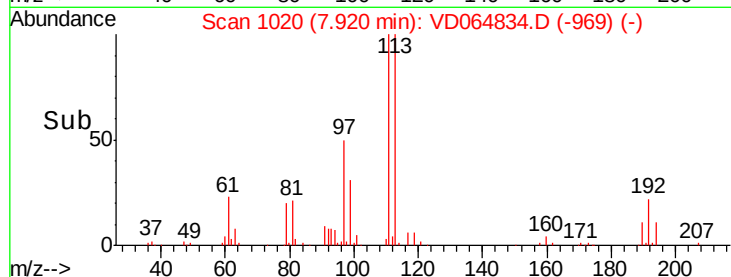
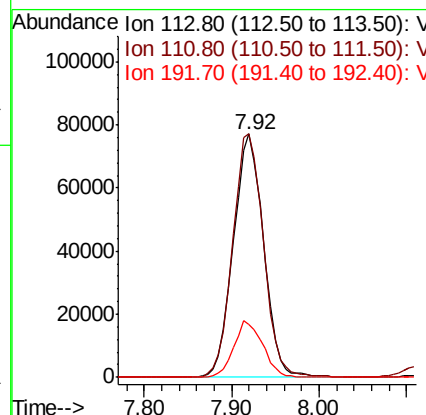
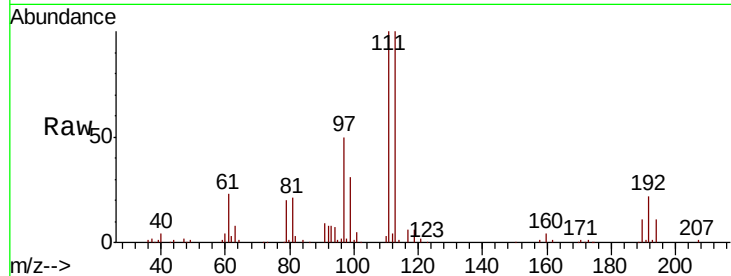
#35
 Dibromofluoromethane
 Concen: 52.547 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	180688		
111	101.9	80.6	121.0	
192	22.4	17.9	26.9	

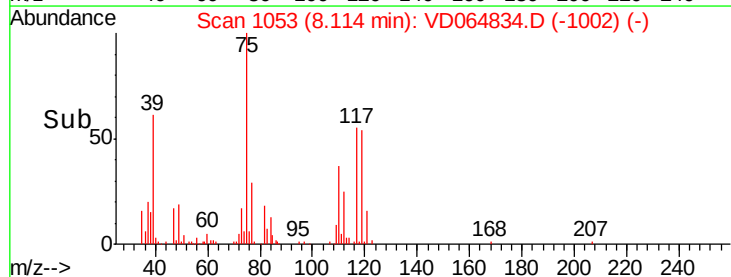
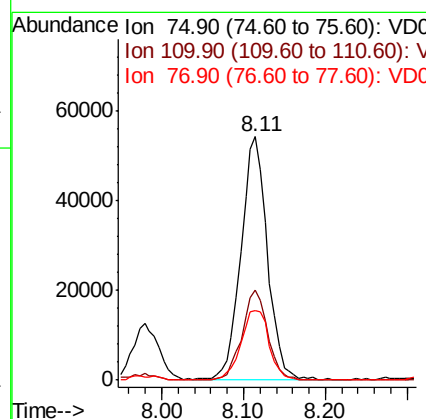
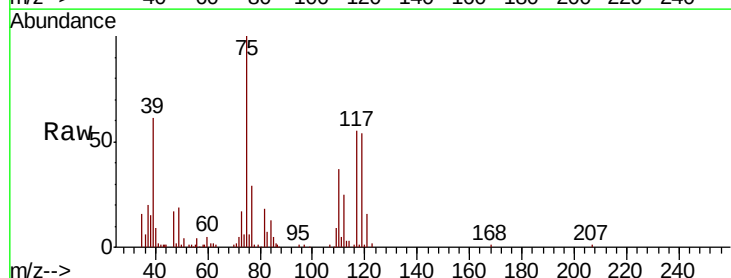
Manual Integrations
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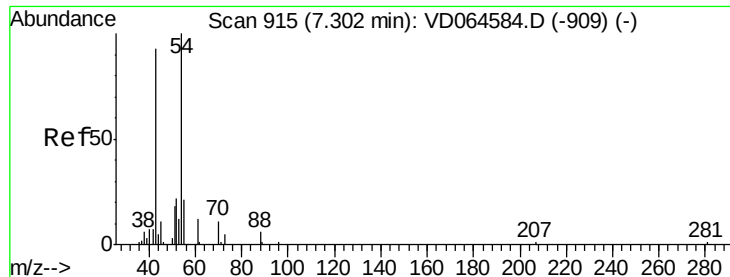
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 1/13/2020 12:38:22 PM



#36
 1,1-Dichloropropene
 Concen: 22.669 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	122289		
110	35.6	18.1	54.1	
77	30.7	24.2	36.4	





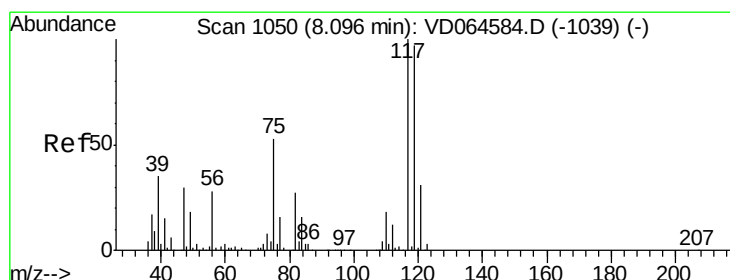
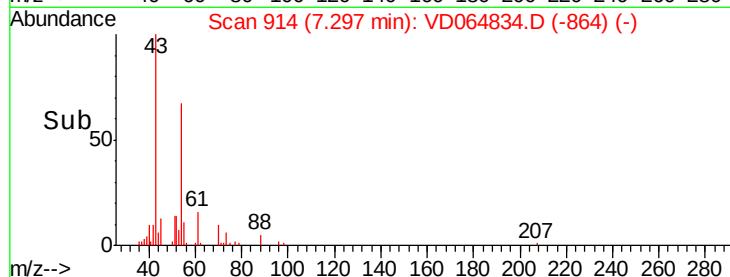
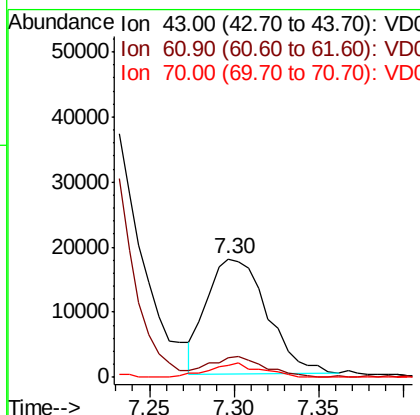
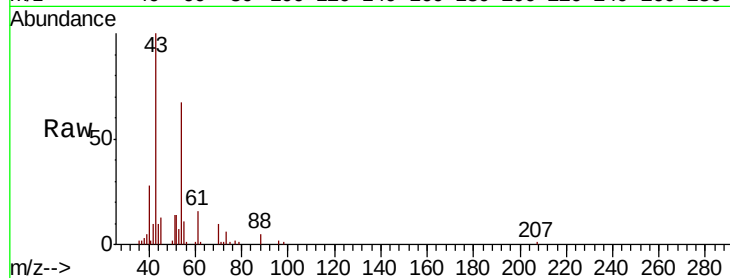
#37
Ethyl Acetate
Concen: 20.754 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.4	10.3	15.5#
70	10.9	7.6	11.4

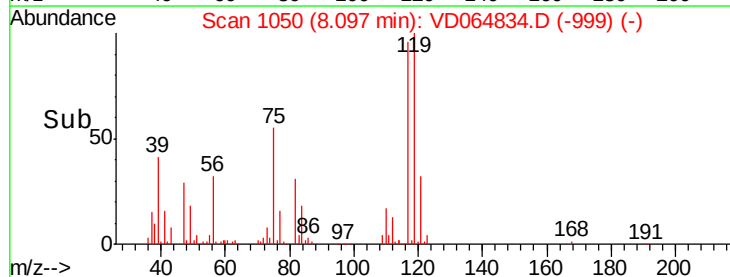
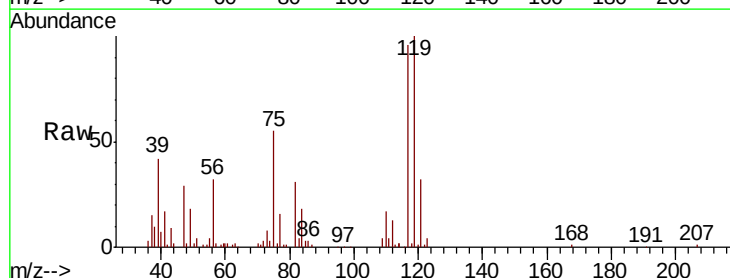
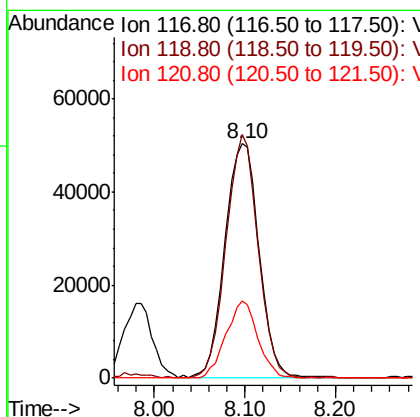
Manual Integrations
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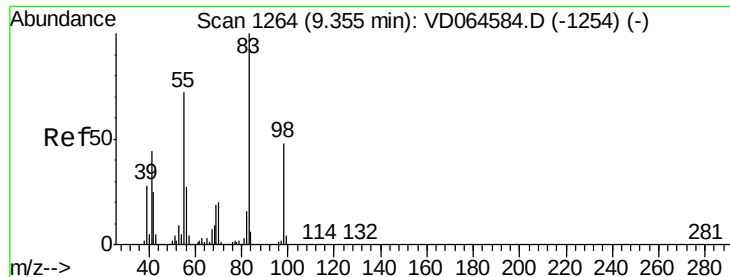
MMDadoda
1/13/2020 12:38:22 PM



#38
Carbon Tetrachloride
Concen: 22.987 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	103.6	77.3	115.9
121	32.8	25.0	37.6





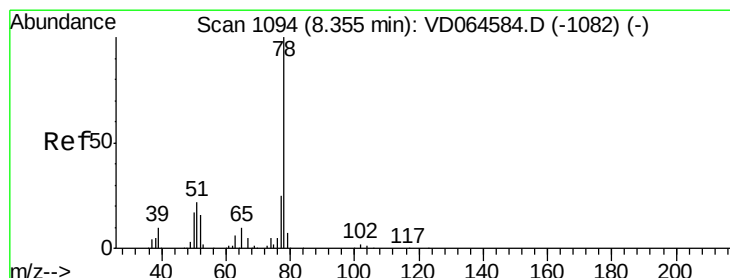
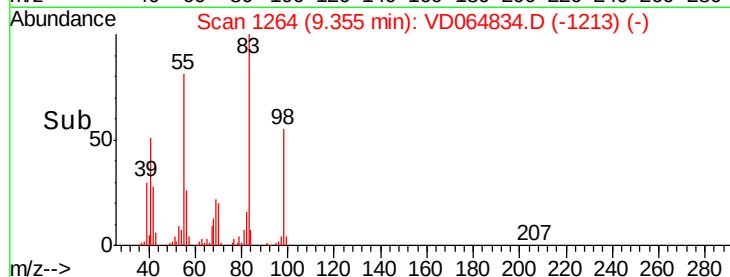
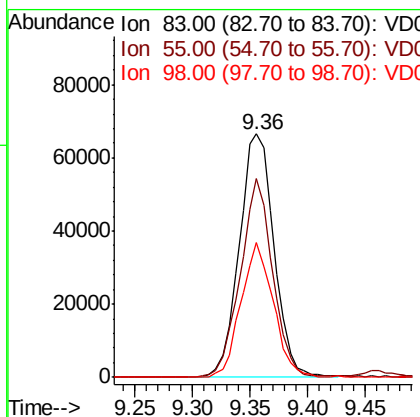
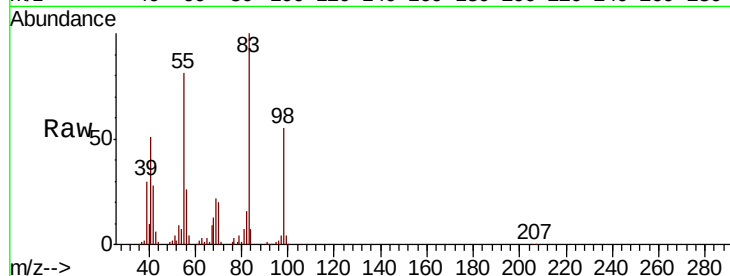
#39
Methylvlcyclohexane
Concen: 21.284 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.4	57.8	86.6
98	55.3	38.7	58.1

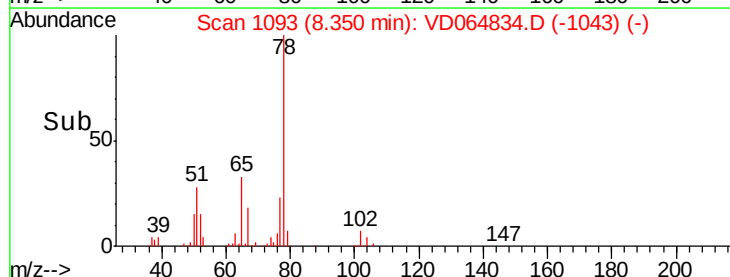
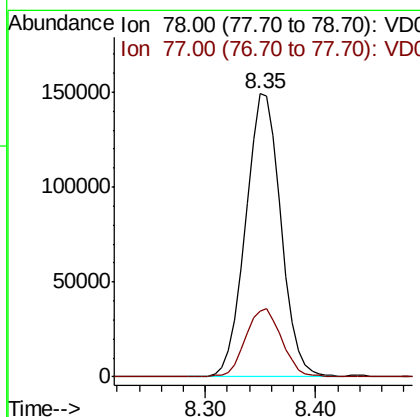
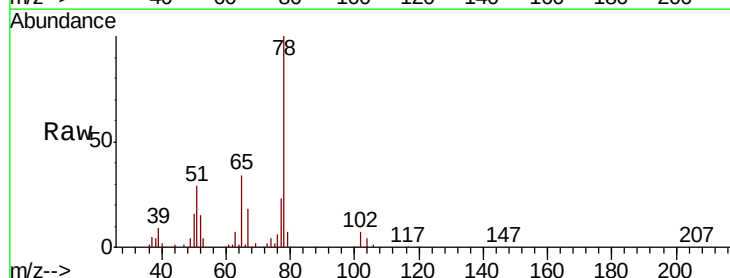
Manual Integrations
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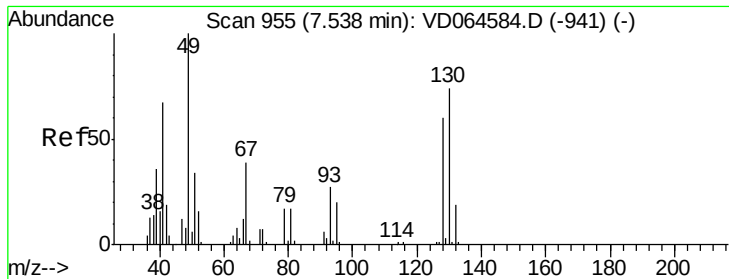
MMDadoda
1/13/2020 12:38:22 PM



#40
Benzene
Concen: 22.768 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.9	29.9





#41

Methacrylonitrile

Concen: 18.590 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion: 41 Resp: 22858

Ion Ratio Lower Upper

41 100

39 56.3 46.7 70.1

67 84.5 52.5 78.7#

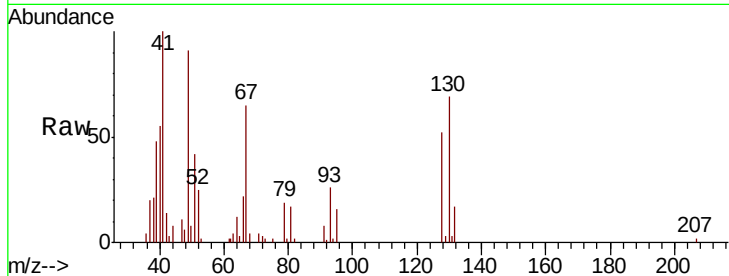
52 39.4 24.1 36.1#

Manual Integrations

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MMDadoda

1/13/2020 12:38:22 PM

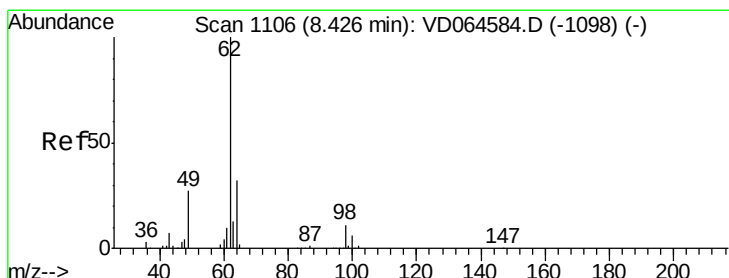
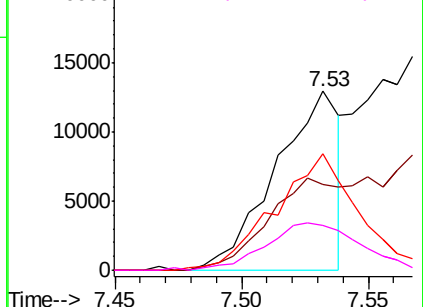
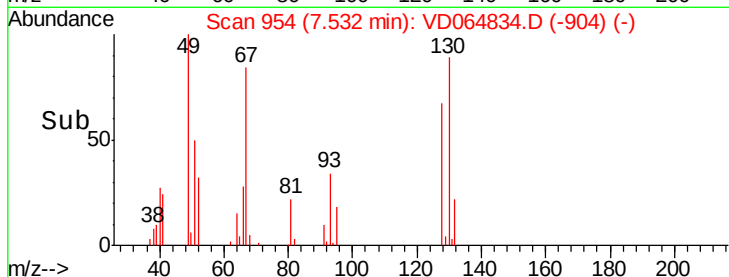


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 23.492 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064834.D

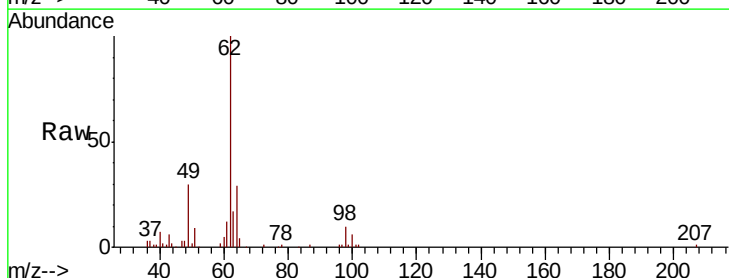
Acq: 10 Jan 2020 15:40

Tgt Ion: 62 Resp: 99971

Ion Ratio Lower Upper

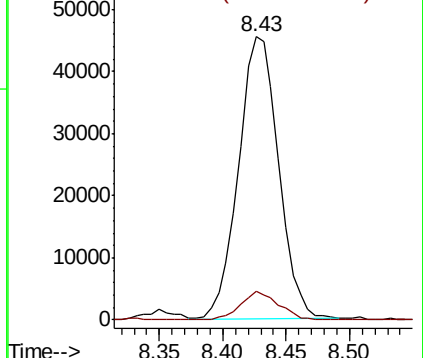
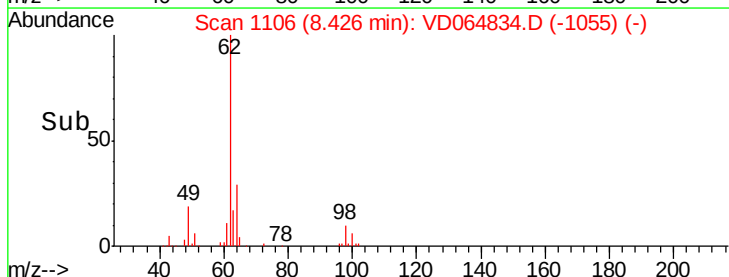
62 100

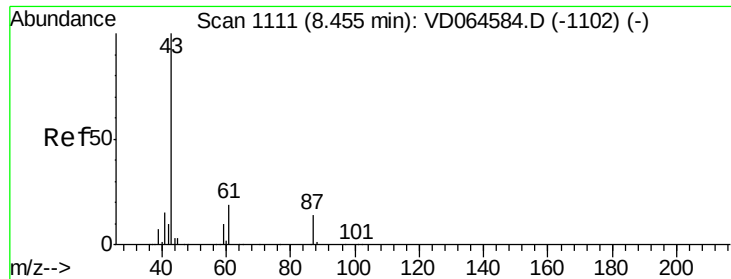
98 9.6 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 22.103 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

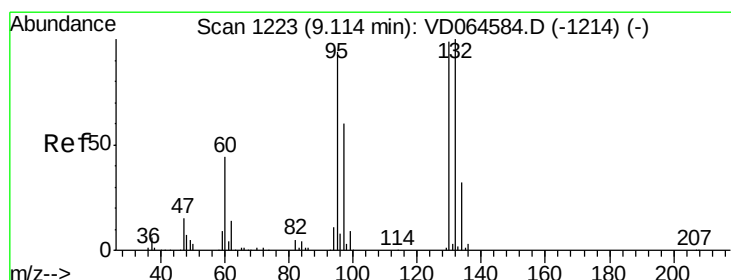
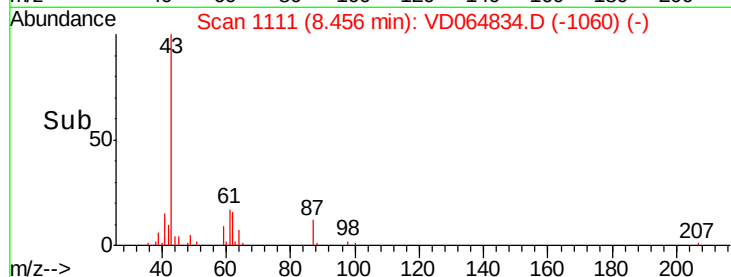
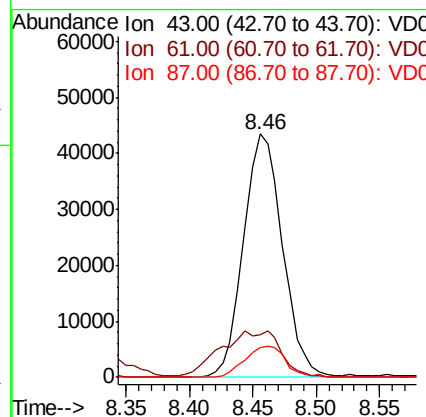
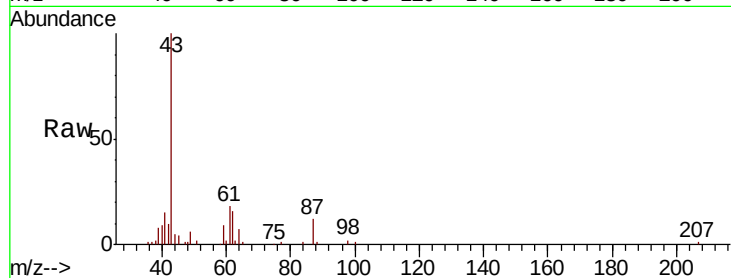
ClientSampleId :

VD0110SBS01

Tot Ion:	43	Resp:	93234
Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.7	35.5
87	13.3	10.5	15.7

Manual Integrations
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#44

Trichloroethene

Concen: 22.212 ug/l

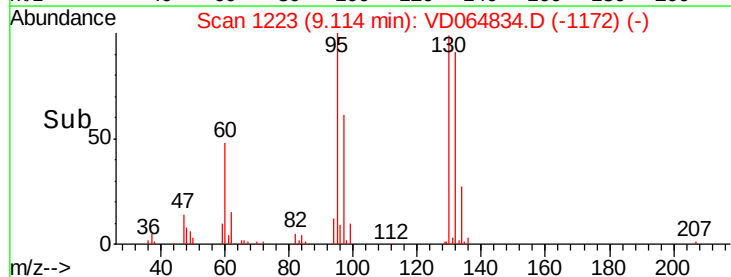
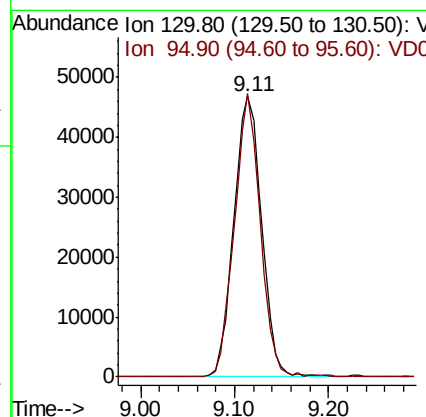
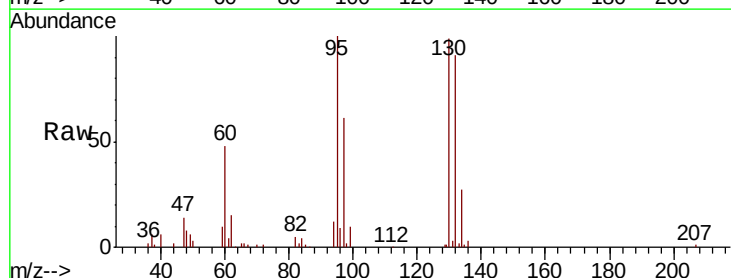
RT: 9.11 min Scan# 1223

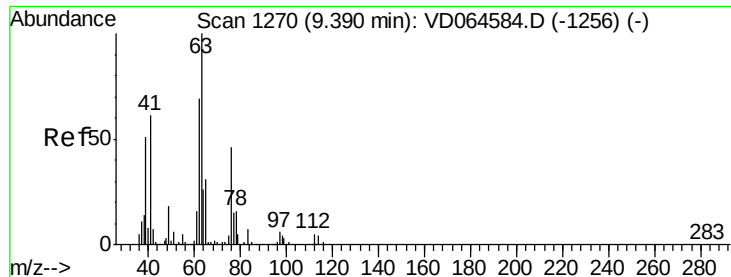
Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Tgt Ion:	130	Resp:	96091
Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	190.2





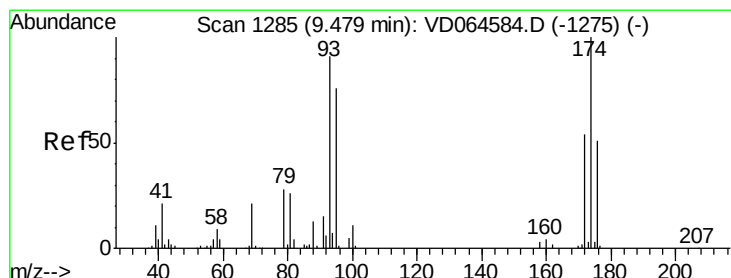
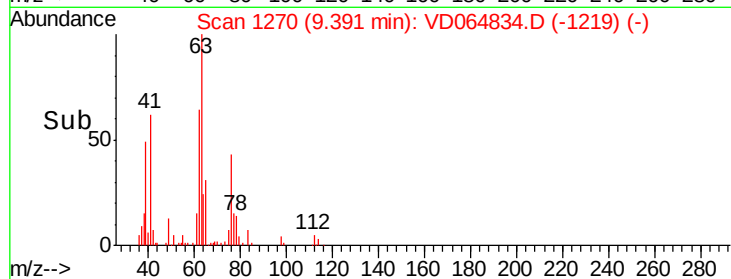
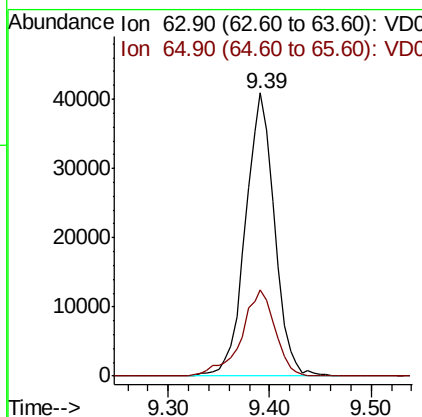
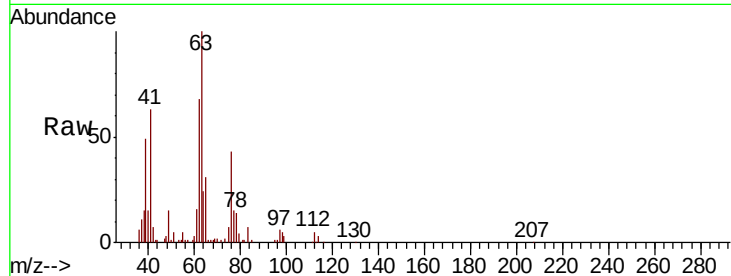
#45
 1,2-Dichloropropane
 Concen: 23.137 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion: 63 Resp: 81354
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.2 37.8

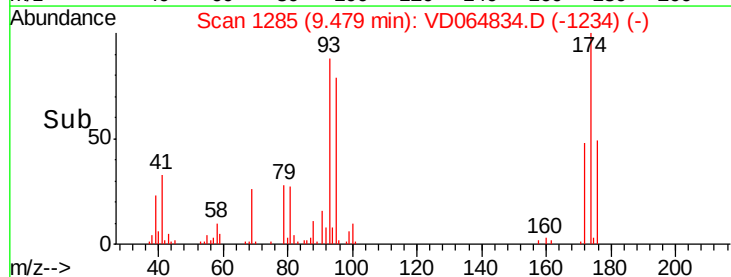
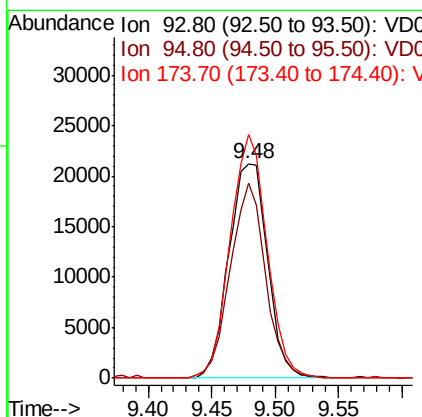
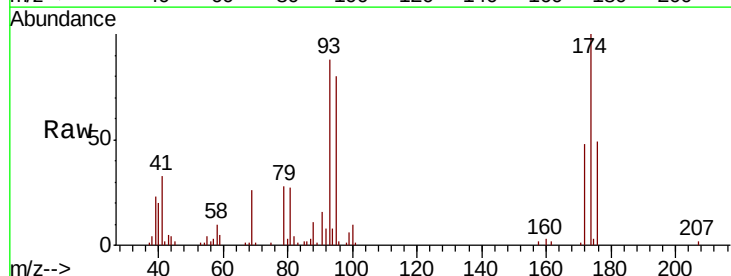
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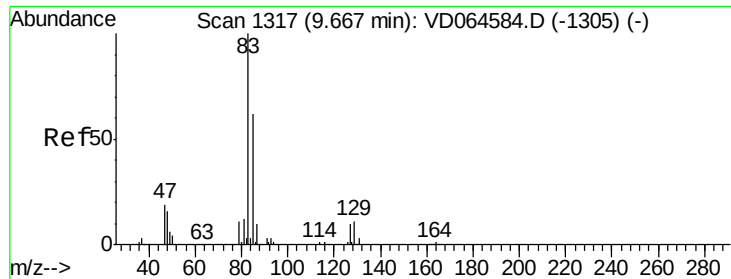
MMDadoda
 1/13/2020 12:38:22 PM



#46
 Dibromomethane
 Concen: 22.970 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Tgt Ion: 93 Resp: 45029
 Ion Ratio Lower Upper
 93 100
 95 82.9 64.6 97.0
 174 107.8 88.1 132.1





#47

Bromodichloromethane

Concen: 23.199 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

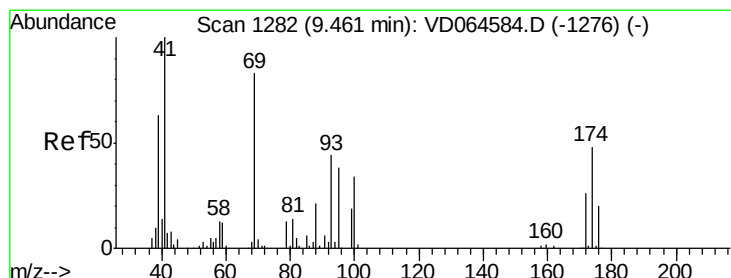
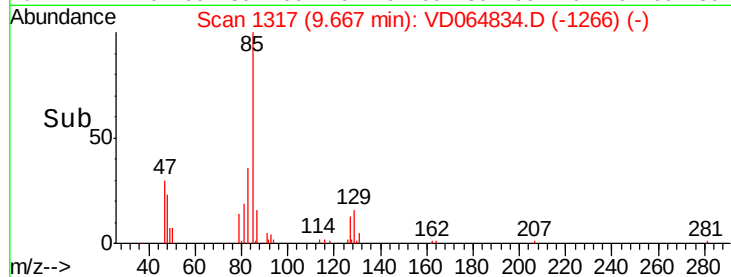
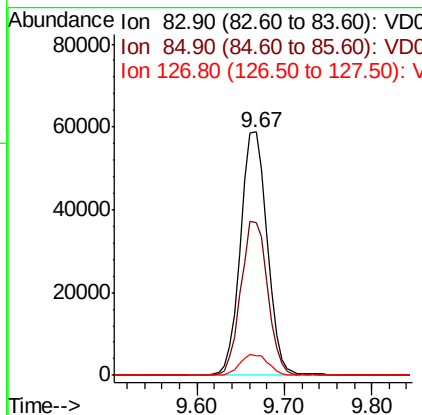
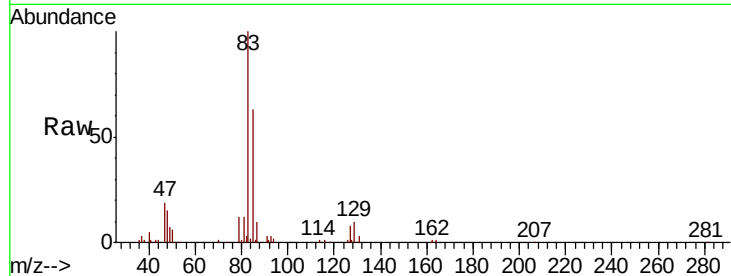
ClientSampleId :

VD0110SBS01

Tot Ion:	83	Resp:	121015
Ion	Ratio	Lower	Upper
83	100		
85	62.7	49.5	74.3
127	8.3	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.242 ug/l

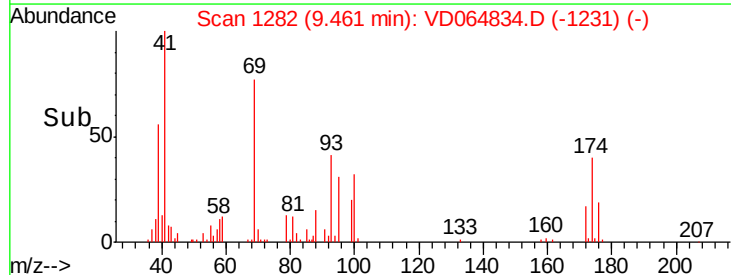
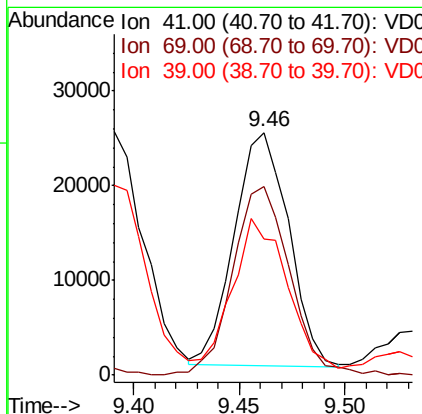
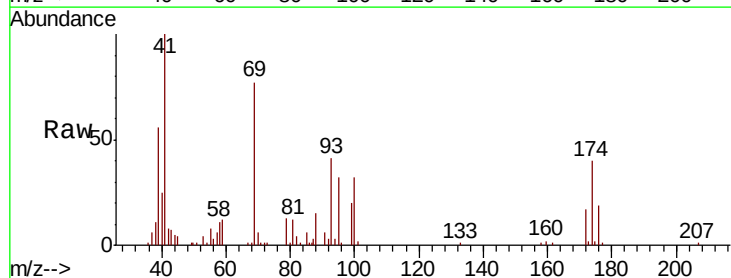
RT: 9.46 min Scan# 1282

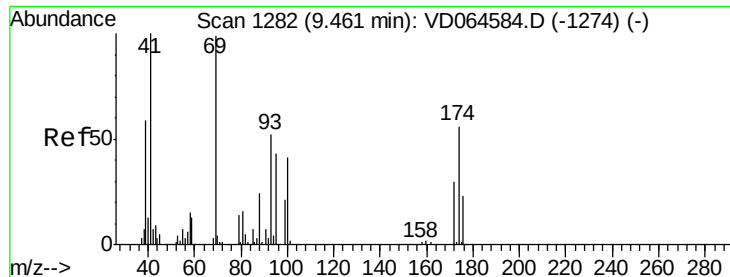
Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Tgt Ion:	41	Resp:	44176
Ion	Ratio	Lower	Upper
41	100		
69	84.7	63.0	94.6
39	63.6	47.4	71.2





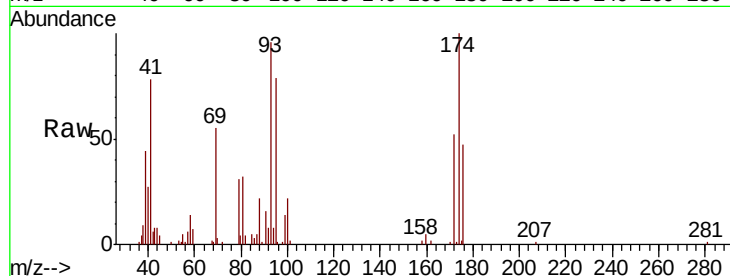
#49
1,4-Dioxane
Concen: 447.835 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	27.7	41.5
58	66.4	53.8	80.6

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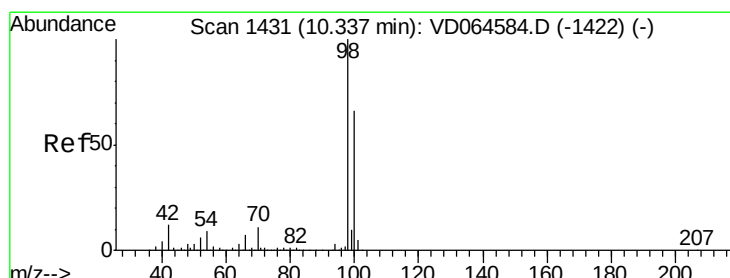
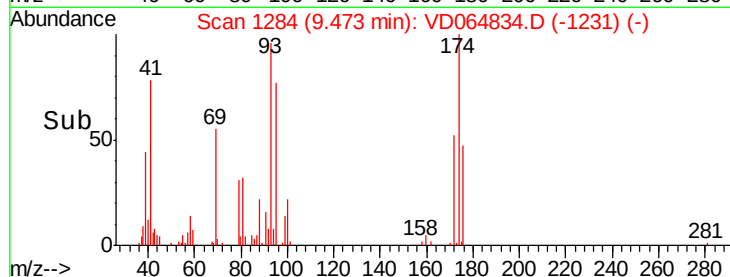
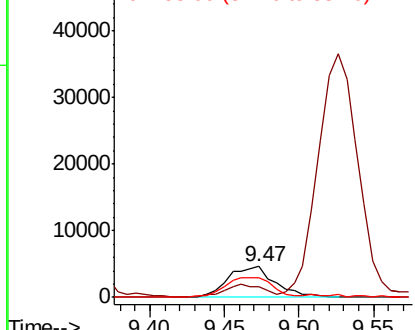


Abundance

Ion 88.00 (87.70 to 88.70): VDC

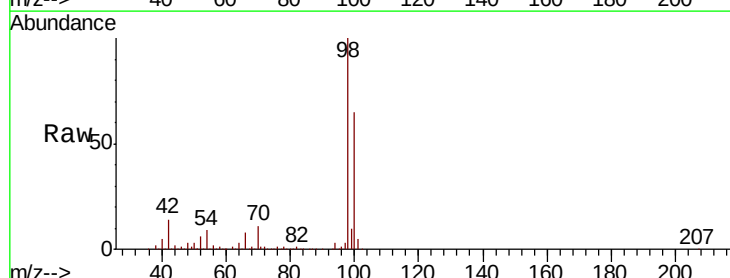
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 51.629 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

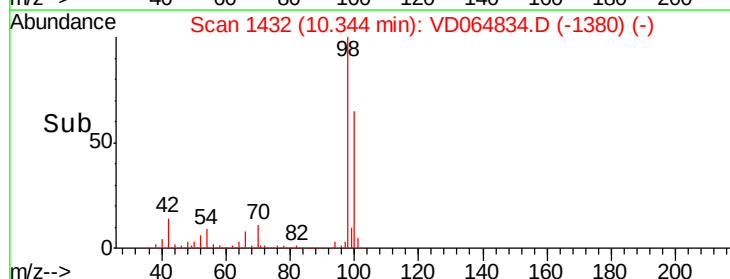
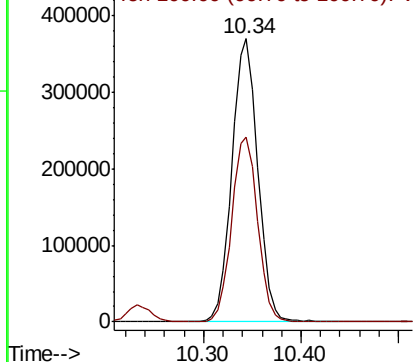
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.7	77.5

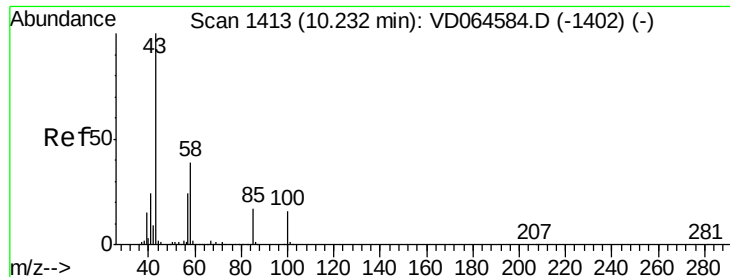


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 115.105 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion: 43 Resp: 239989

Ion Ratio Lower Upper

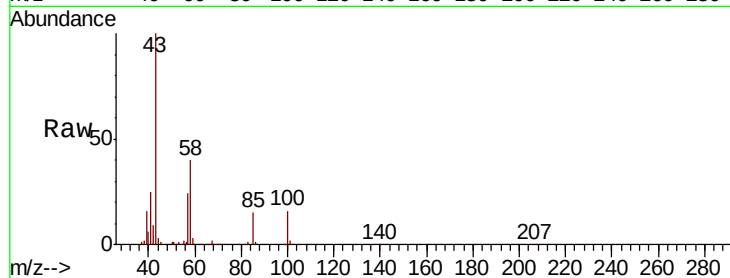
43 100

58 37.4 30.2 45.2

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

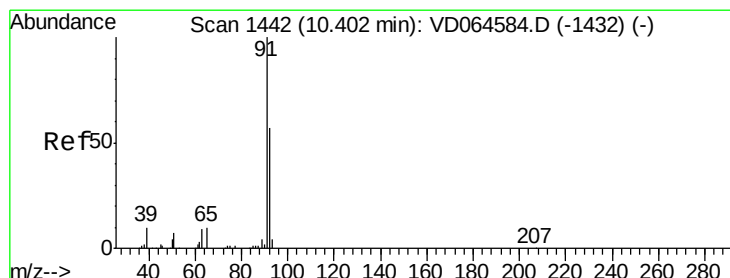
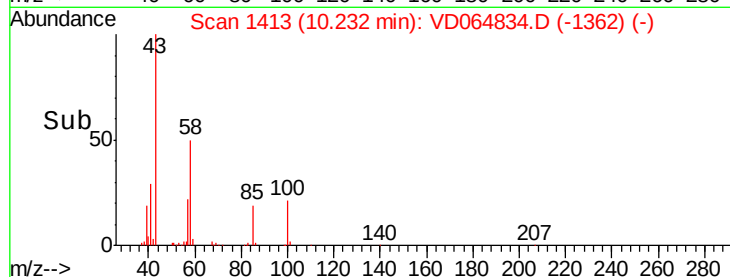
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 22.481 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064834.D

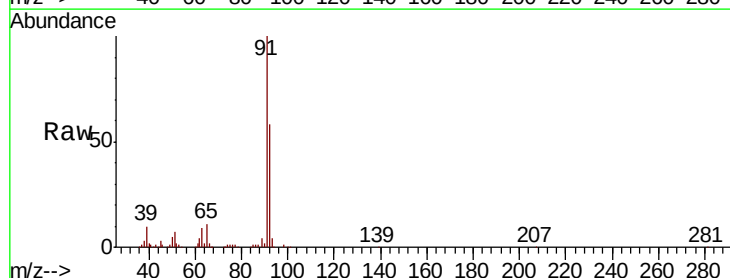
Acq: 10 Jan 2020 15:40

Tgt Ion: 92 Resp: 217201

Ion Ratio Lower Upper

92 100

91 172.3 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

200000

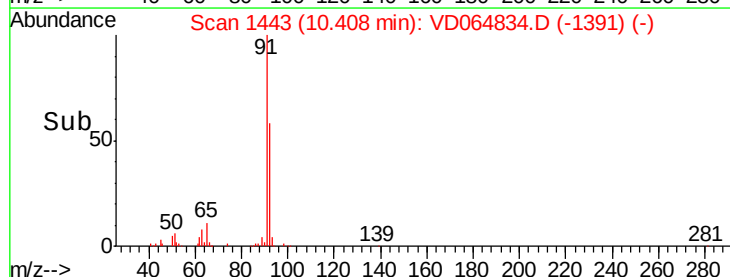
150000

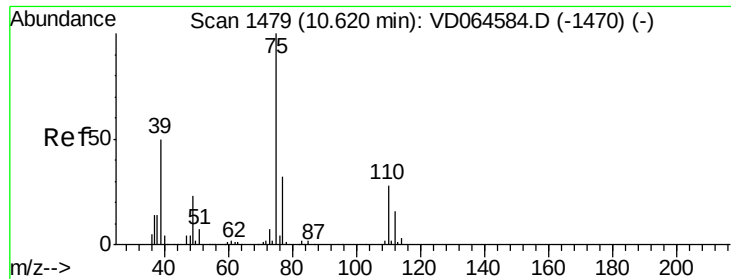
100000

50000

0

Time-->





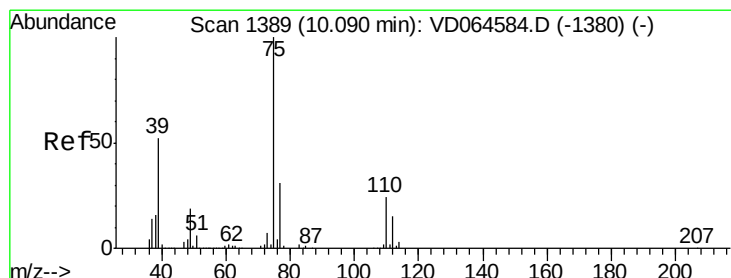
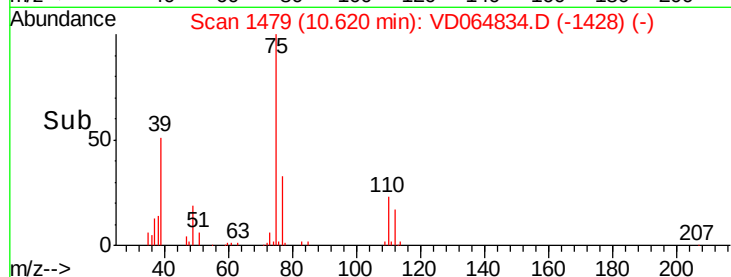
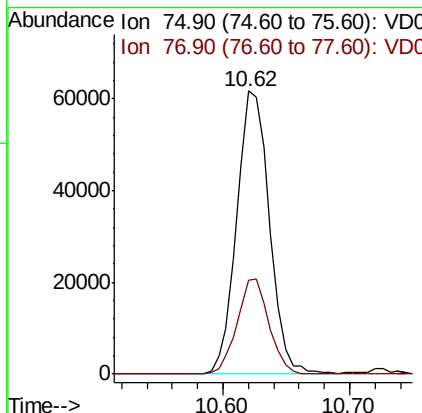
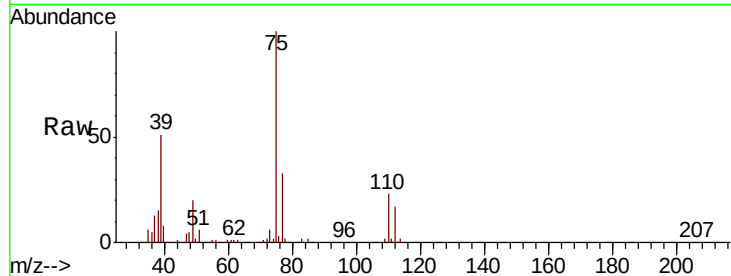
#53
t-1,3-Dichloropropene
Concen: 22.734 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion: 75 Resp: 110563
Ion Ratio Lower Upper
75 100
77 33.3 25.4 38.2

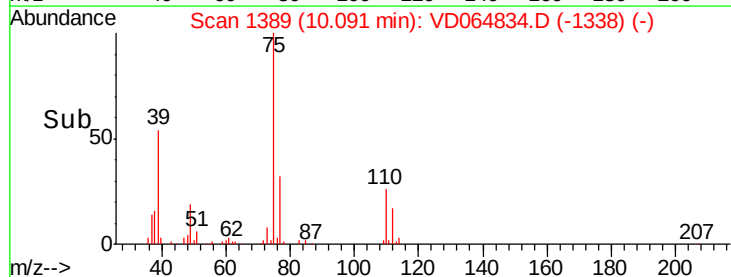
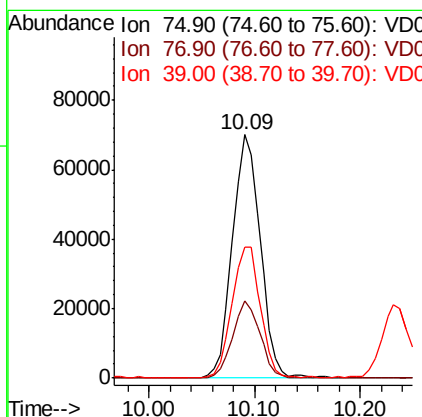
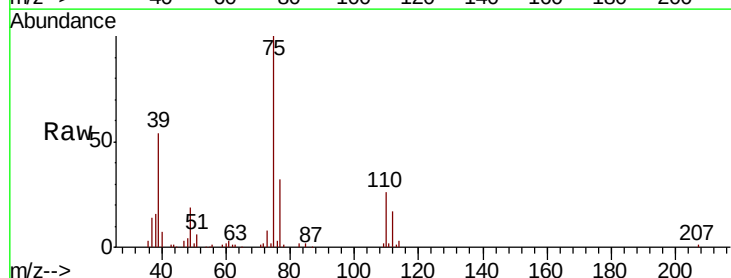
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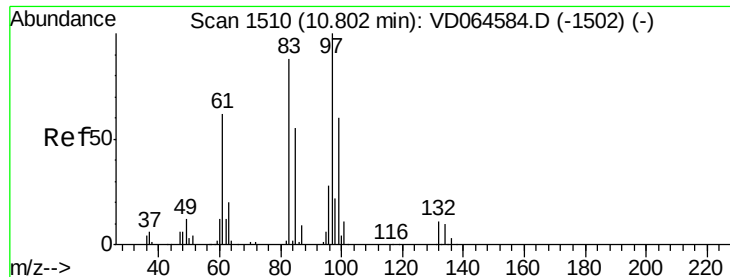
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#54
cis-1,3-Dichloropropene
Concen: 22.271 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion: 75 Resp: 127714
Ion Ratio Lower Upper
75 100
77 31.5 24.6 36.8
39 53.7 41.4 62.2





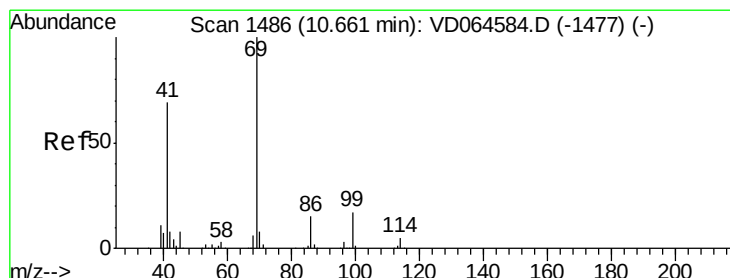
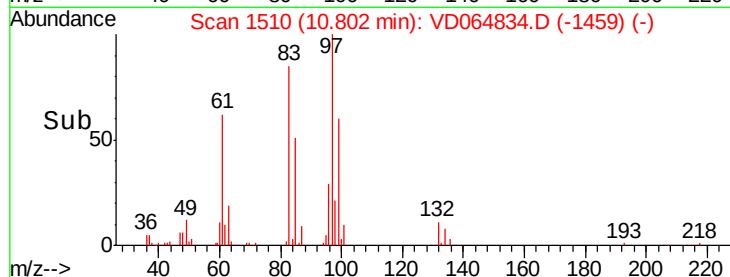
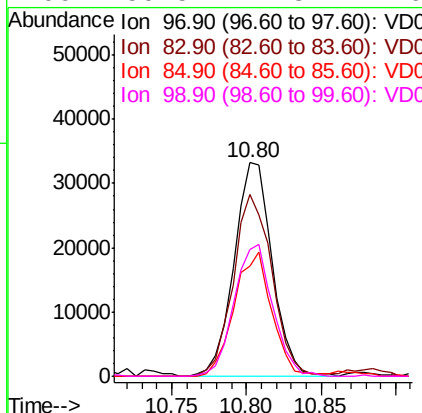
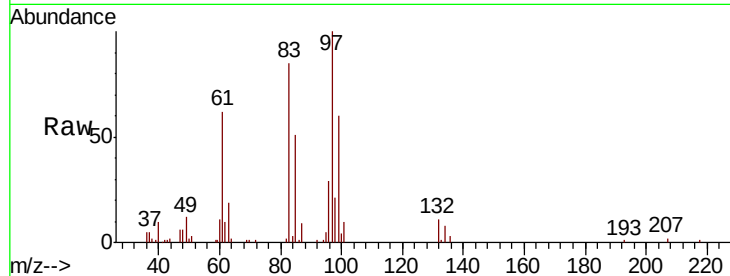
#55
 1,1,2-Trichloroethane
 Concen: 22.432 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	84.8	70.2	105.4	
85	51.3	44.0	66.0	
99	59.5	47.8	71.6	

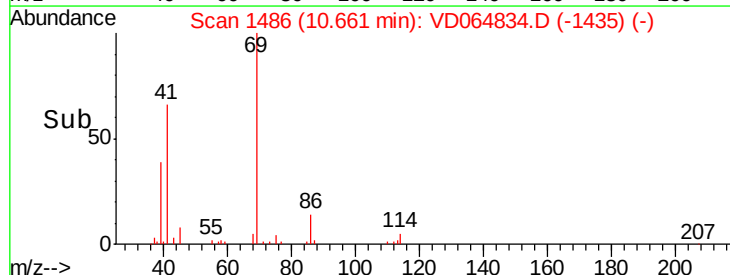
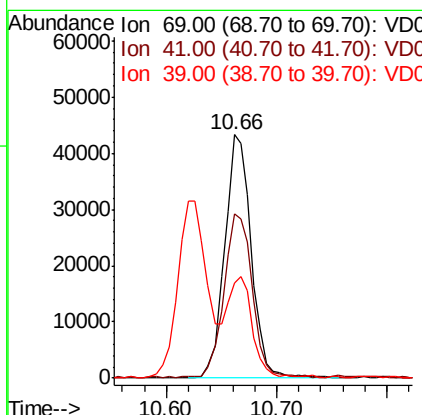
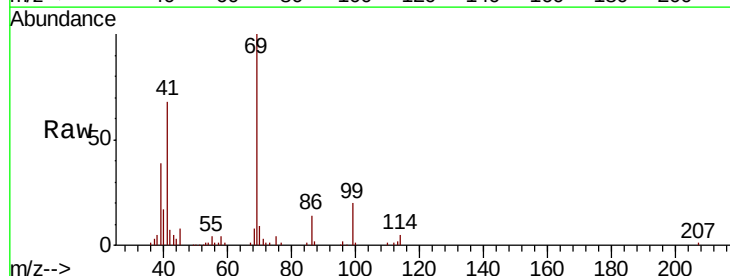
Manual Integrations
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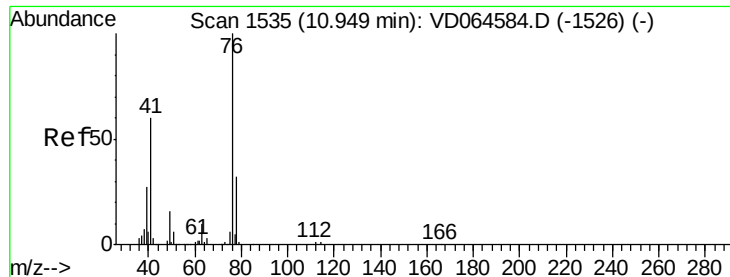
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#56
 Ethyl methacrylate
 Concen: 22.027 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Tgt Ion	Ion	Ratio	Lower	Upper
69	100			
41	72.6	55.3	82.9	
39	38.3	33.8	50.8	





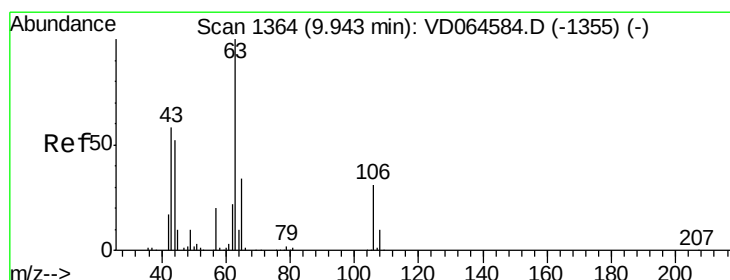
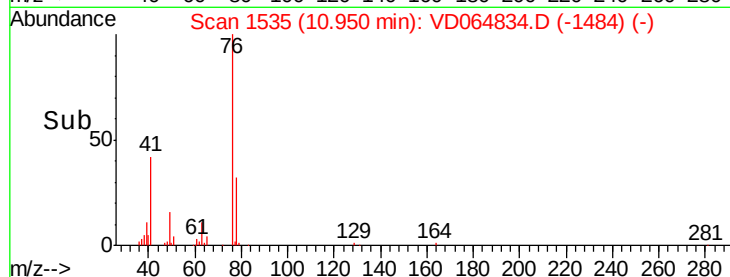
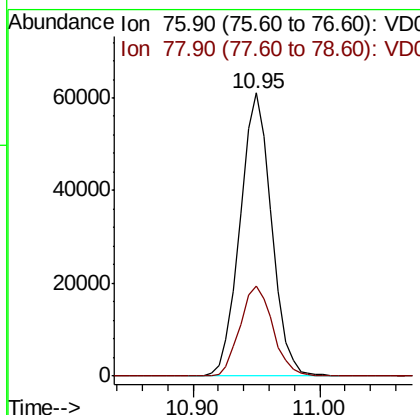
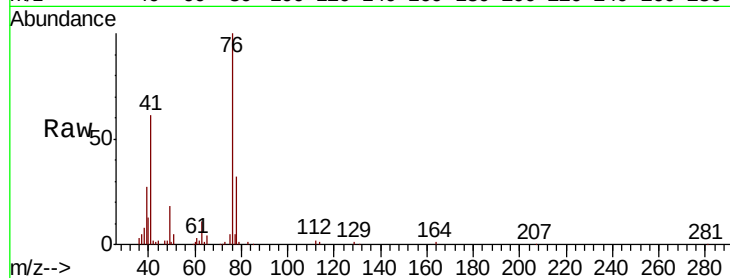
#57
 1,3-Dichloropropane
 Concen: 23.153 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion: 76 Resp: 105319
 Ion Ratio Lower Upper
 76 100
 78 33.2 26.2 39.4

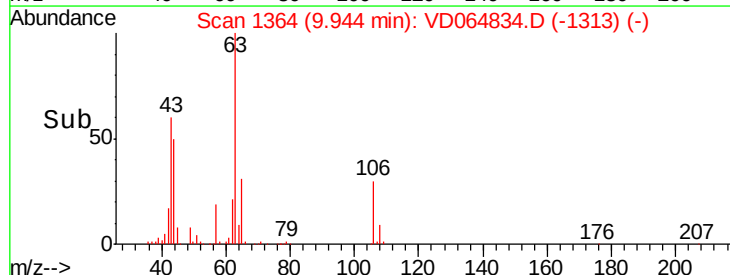
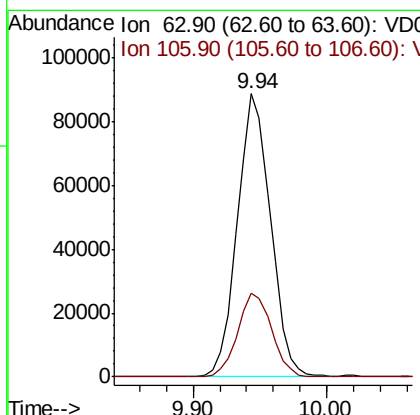
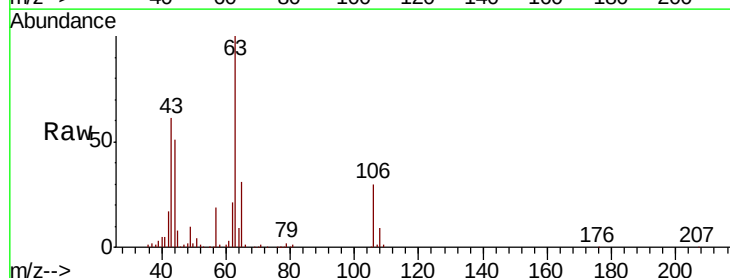
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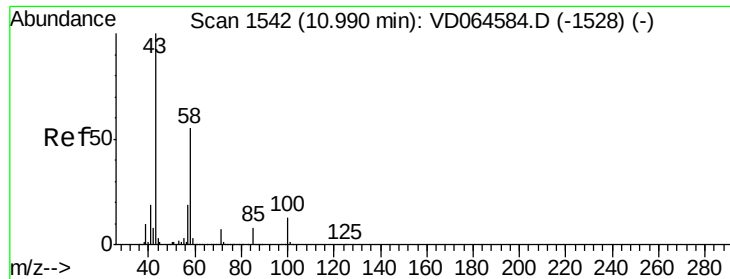
MMDadoda
 1/13/2020 12:38:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 121.252 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Tgt Ion: 63 Resp: 152420
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.8 35.8





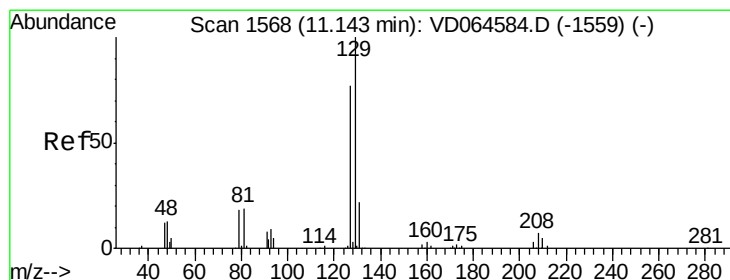
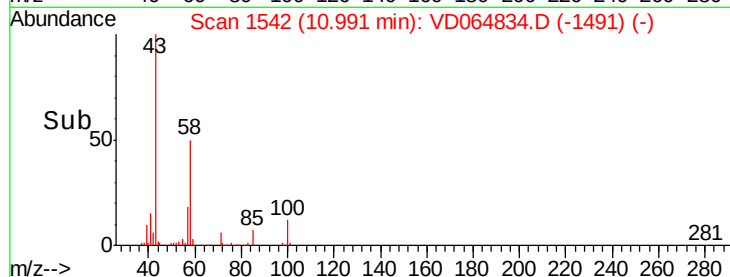
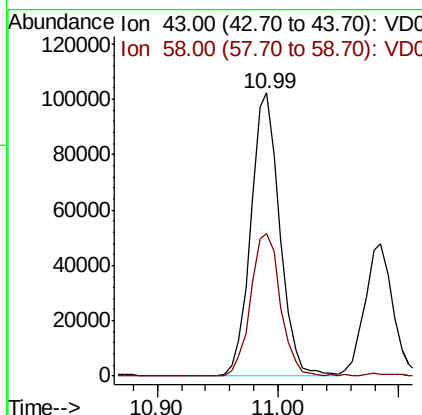
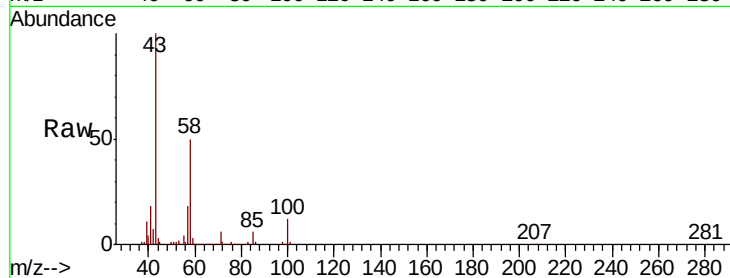
#59
2-Hexanone
Concen: 120.803 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion: 43 Resp: 170948
Ion Ratio Lower Upper
43 100
58 51.7 26.4 79.0

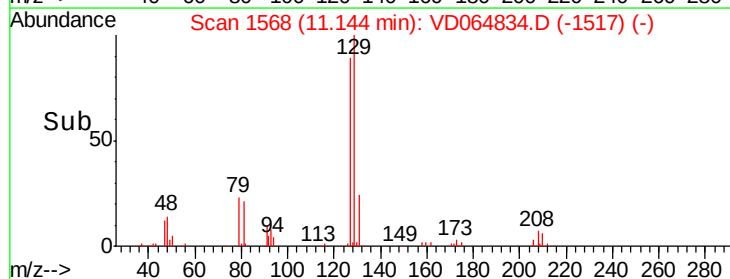
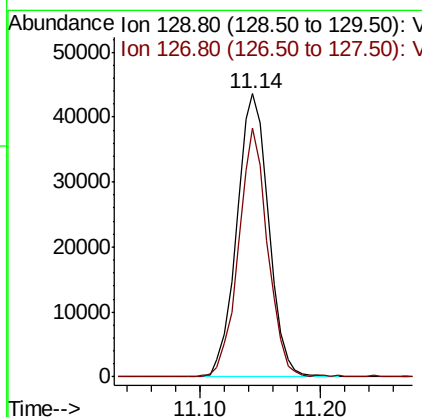
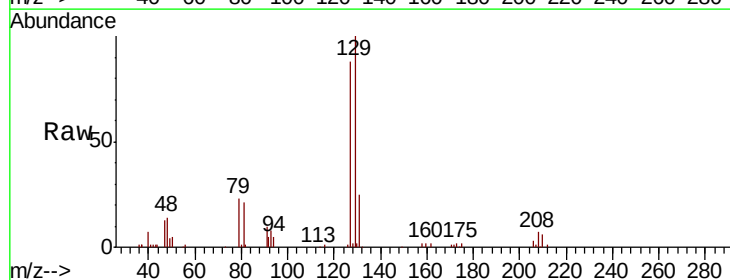
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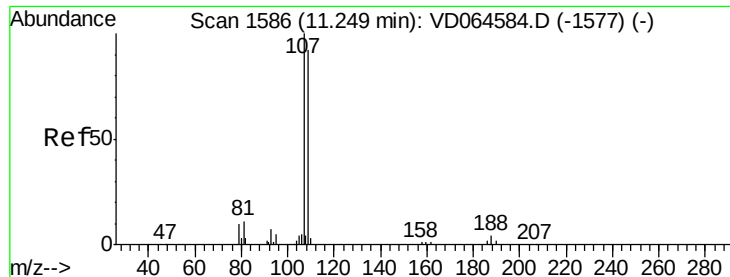
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#60
Dibromochloromethane
Concen: 21.933 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion: 129 Resp: 80129
Ion Ratio Lower Upper
129 100
127 80.5 38.4 115.2





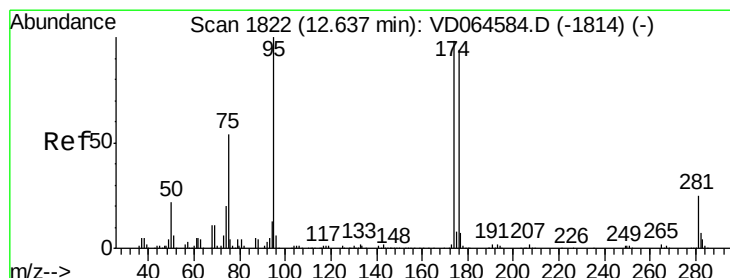
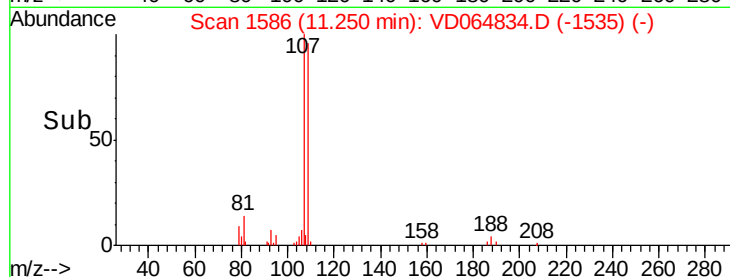
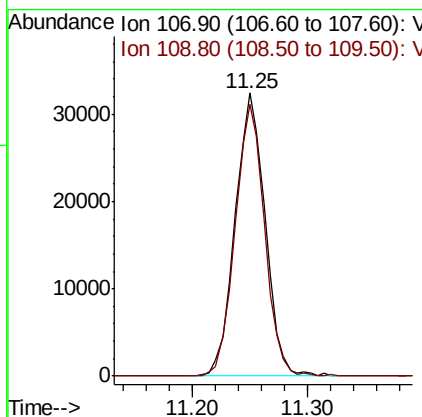
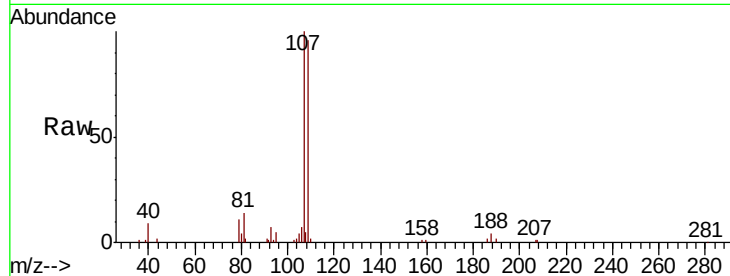
#61
 1,2-Dibromoethane
 Concen: 22.383 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion: 107 Resp: 58324
 Ion Ratio Lower Upper
 107 100
 109 93.9 75.6 113.4

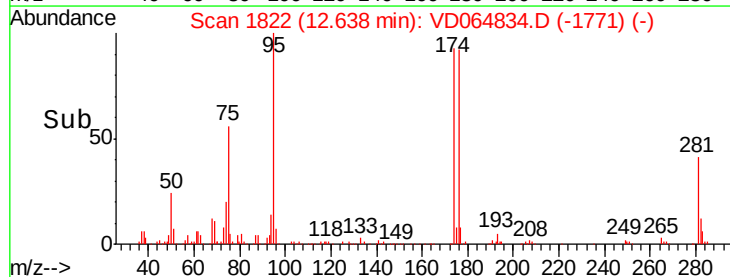
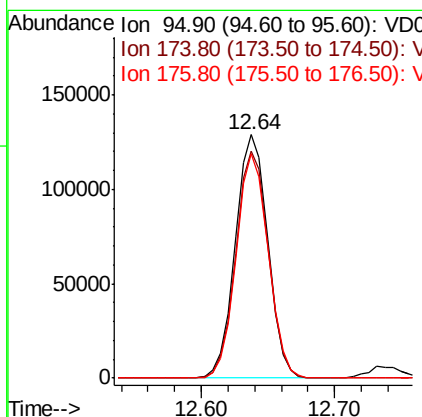
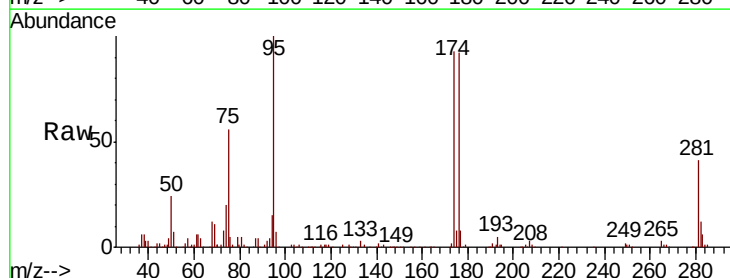
Manual Integrations
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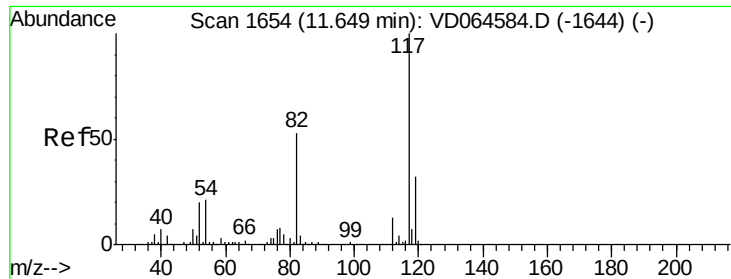
MMDadoda
 1/13/2020 12:38:22 PM



#62
 4-Bromofluorobenzene
 Concen: 52.226 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Tgt Ion: 95 Resp: 217485
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 193.2
 176 91.0 0.0 184.2





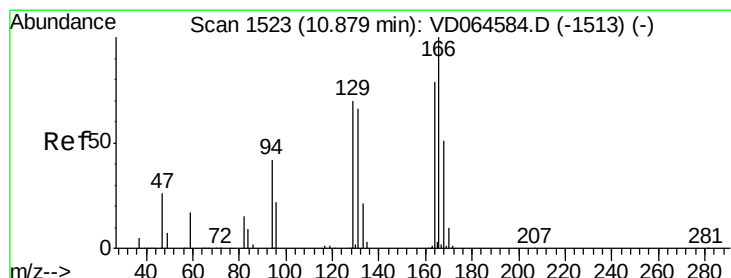
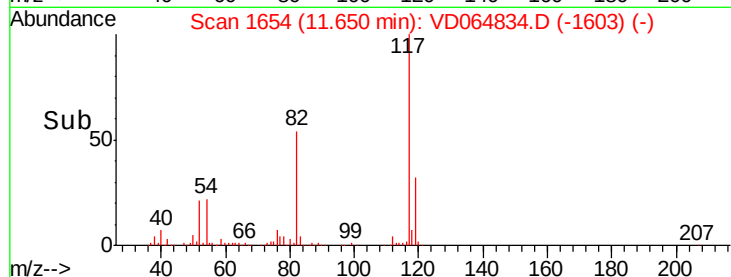
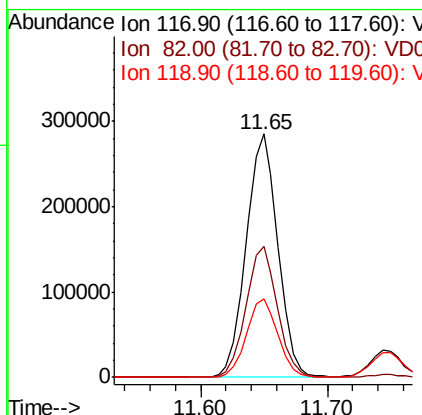
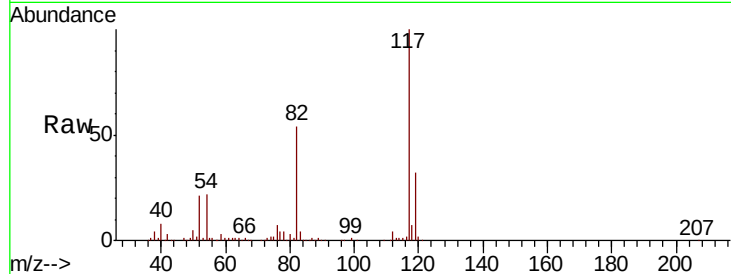
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.2	63.4
119	32.1	26.0	39.0

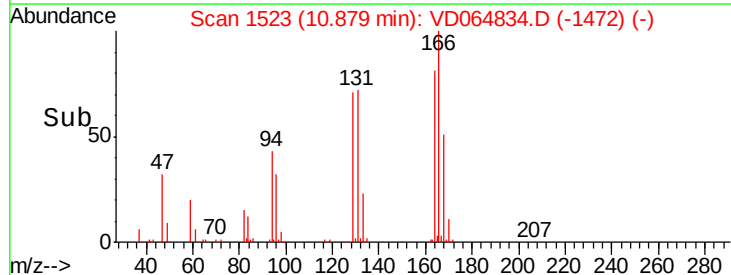
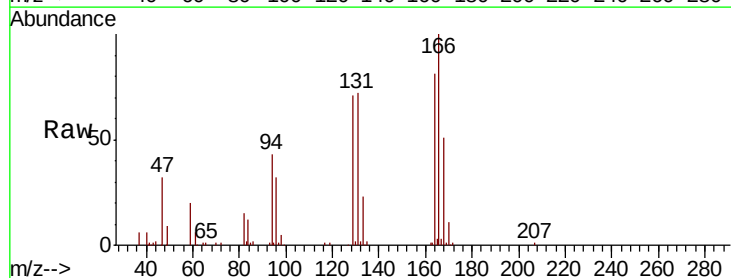
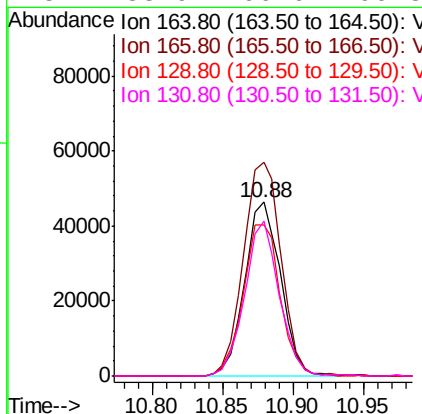
Manual Integrations
APPROVED

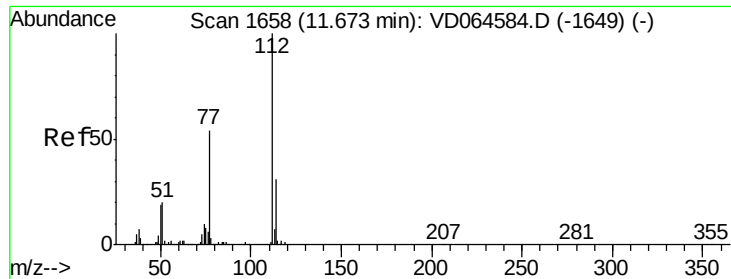
MMDadoda
1/13/2020 12:38:22 PM



#64
Tetrachloroethene
Concen: 21.797 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.0	101.3	151.9
129	87.2	70.5	105.7
131	88.9	66.6	99.8





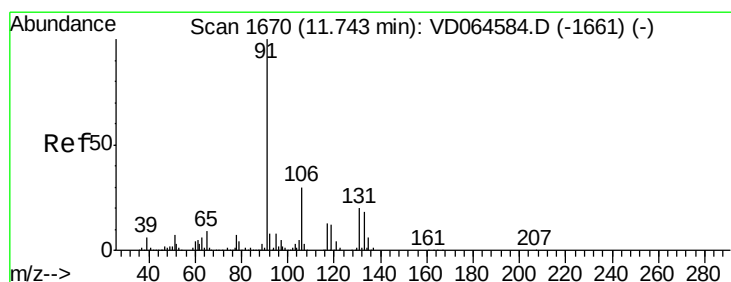
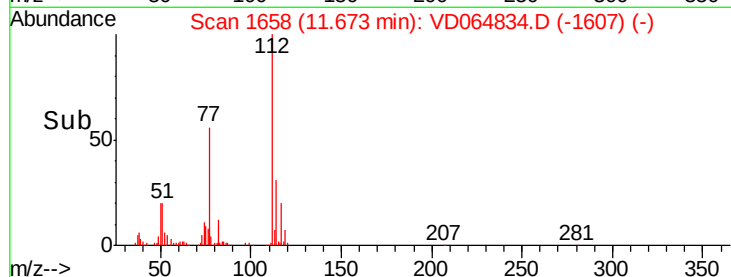
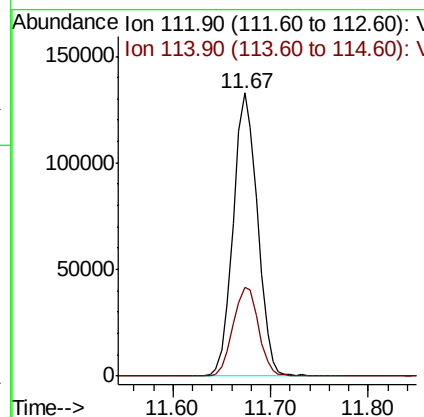
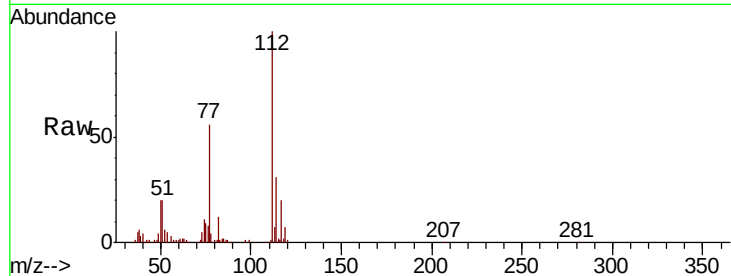
#65
Chlorobenzene
Concen: 22.328 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	24.8	37.2

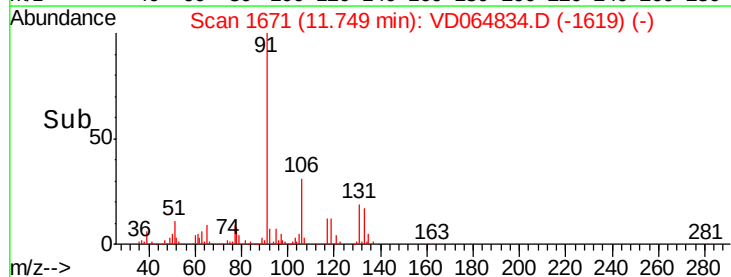
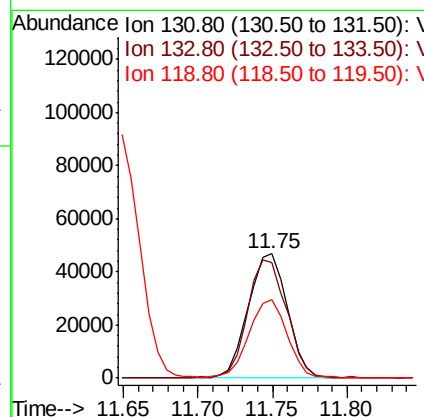
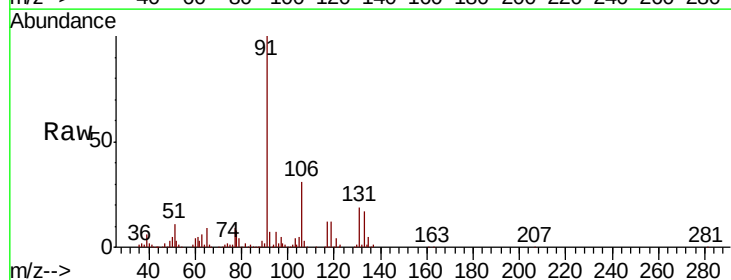
Manual Integrations
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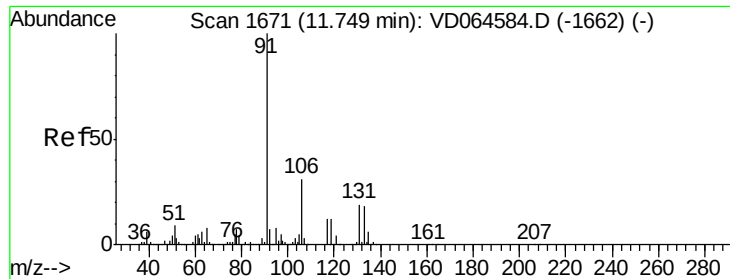
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.985 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.3	144.8
119	61.9	32.1	96.3





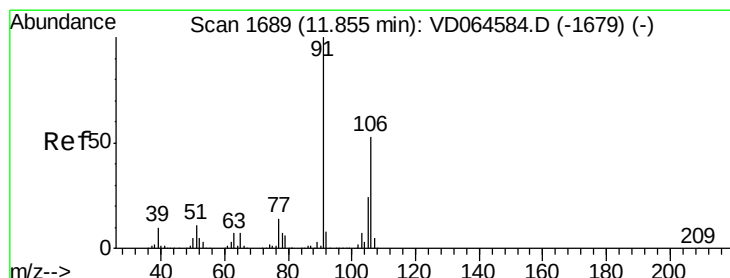
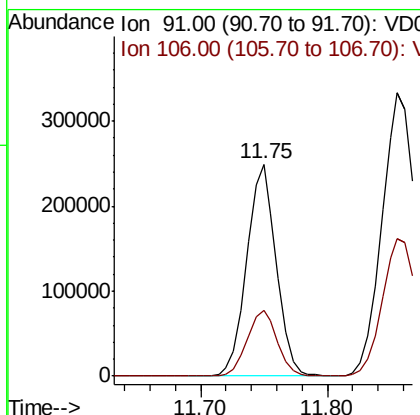
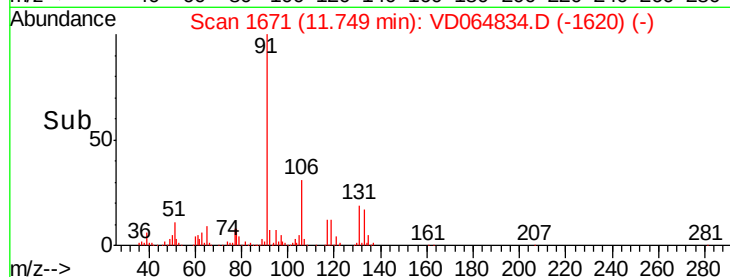
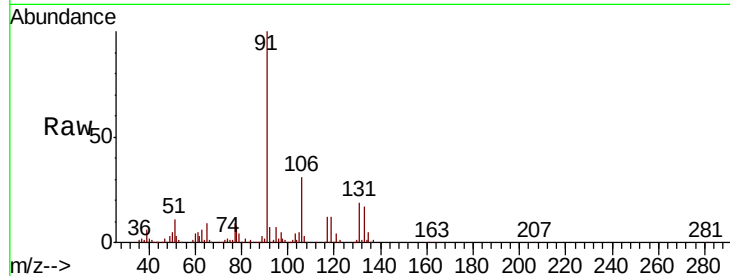
#67
Ethyl Benzene
Concen: 21.608 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS001

Tot Ion: 91 Resp: 402769
Ion Ratio Lower Upper
91 100
106 31.3 24.6 36.8

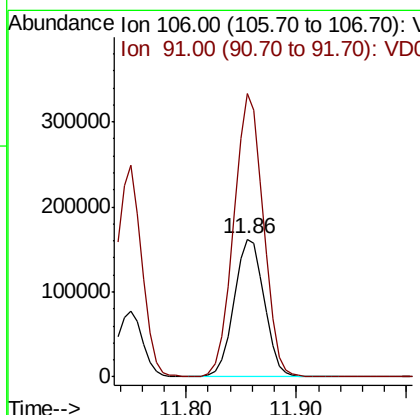
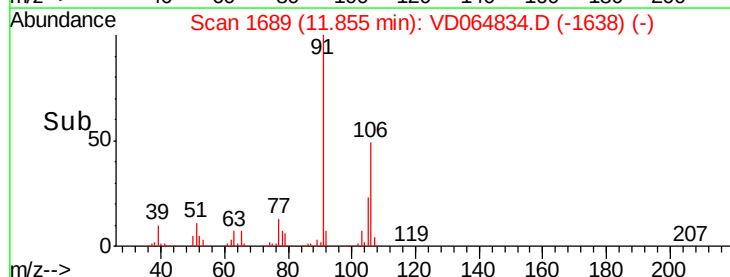
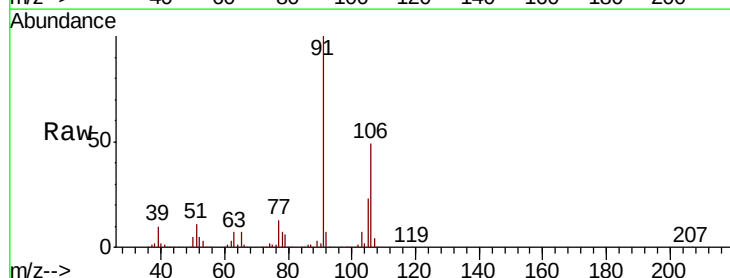
Manual Integrations
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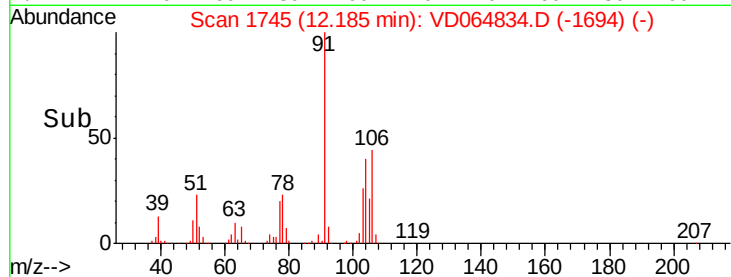
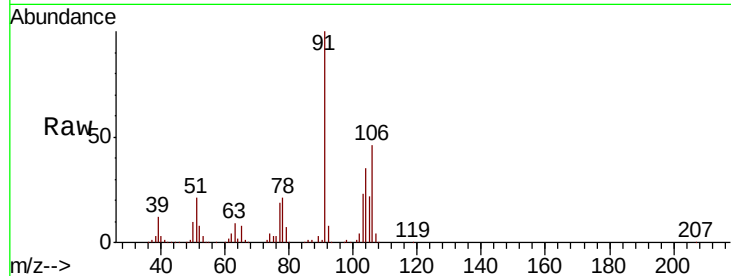
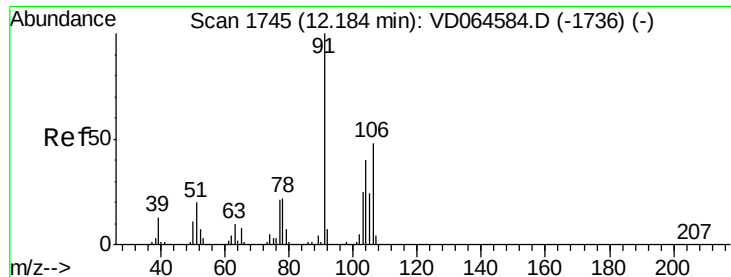
MMDadoda
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#68
m/p-Xylenes
Concen: 43.273 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion: 106 Resp: 311324
Ion Ratio Lower Upper
106 100
91 201.7 156.3 234.5





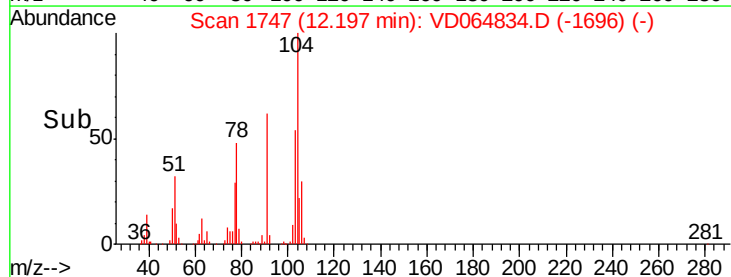
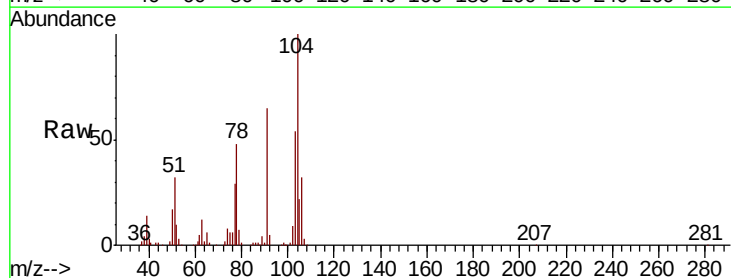
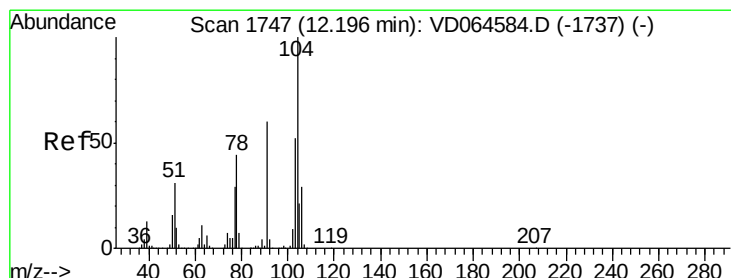
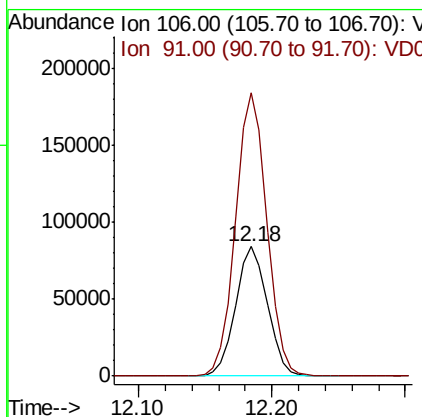
#69
o-Xylene
Concen: 21.337 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tot Ion:106 Resp: 138657
Ion Ratio Lower Upper
106 100
91 215.4 104.8 314.4

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

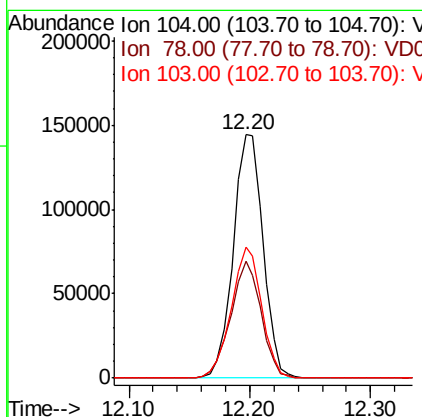
Manual Integrations
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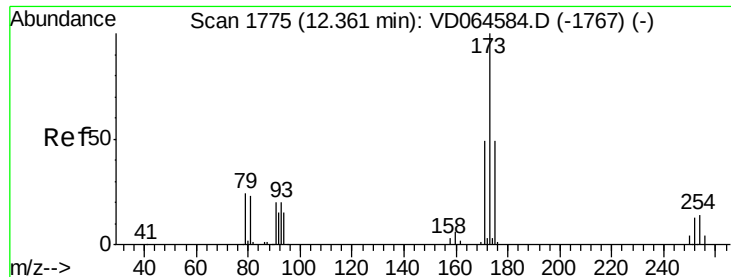
MMDadoda
1/13/2020 12:38:22 PM



#70
Styrene
Concen: 21.840 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion:104 Resp: 249123
Ion Ratio Lower Upper
104 100
78 48.9 38.2 57.2
103 54.9 44.6 67.0





#71

Bromoform

Concen: 21.534 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS001

Tot Ion:173 Resp: 47541

Ion Ratio Lower Upper

173 100

175 51.0 24.6 73.8

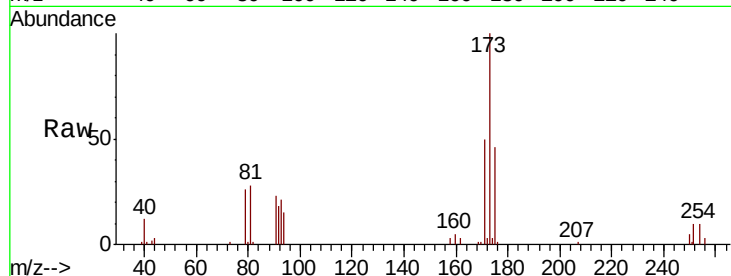
254 0.0 0.1 0.1#

Manual Integrations

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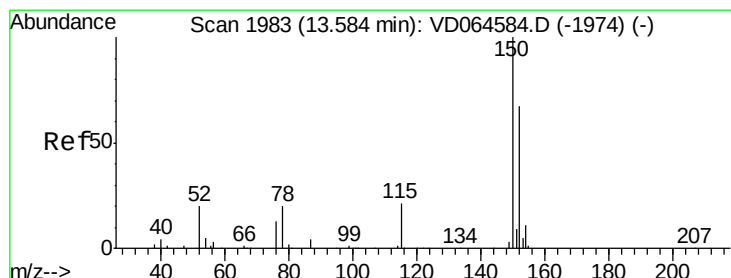
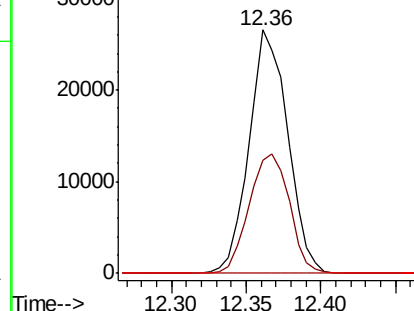
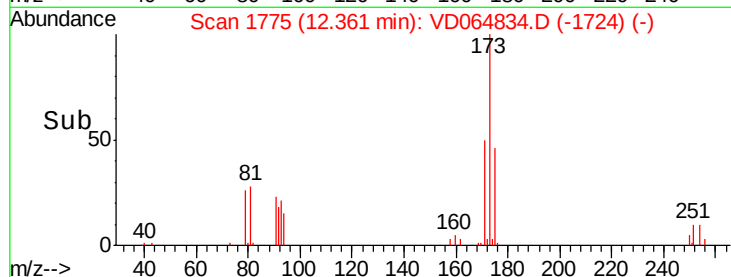
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

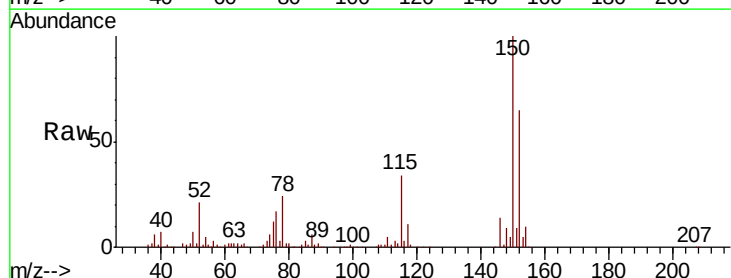
Tgt Ion:152 Resp: 241051

Ion Ratio Lower Upper

152 100

115 55.5 27.8 83.4

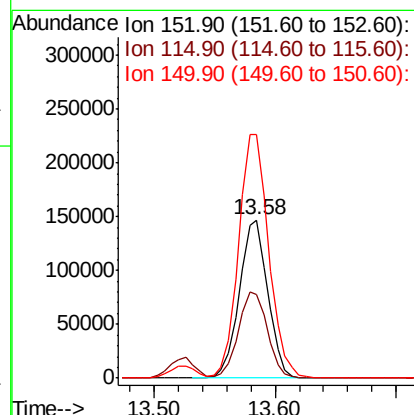
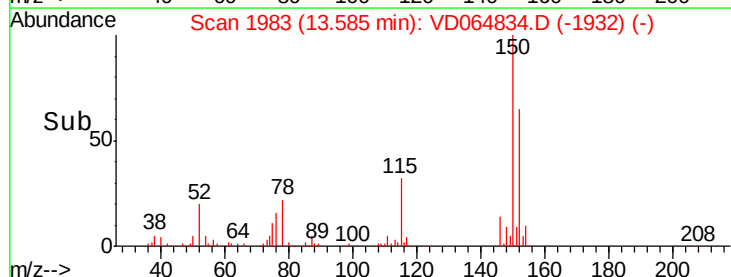
150 163.2 0.0 351.4

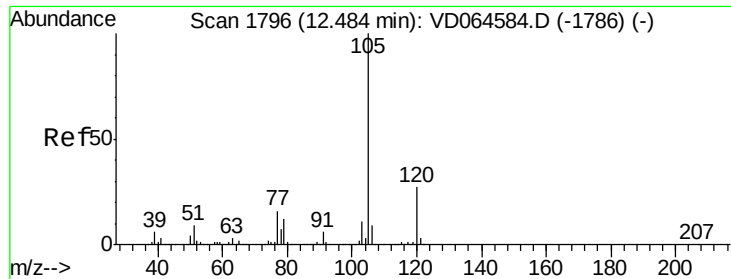


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





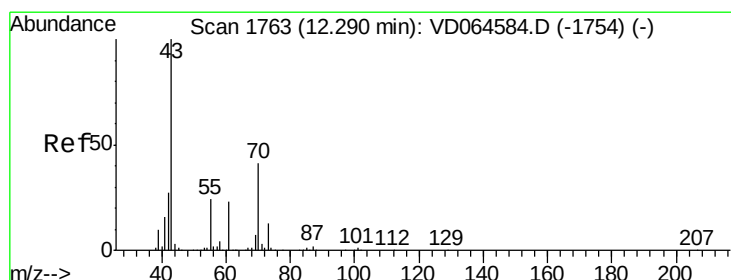
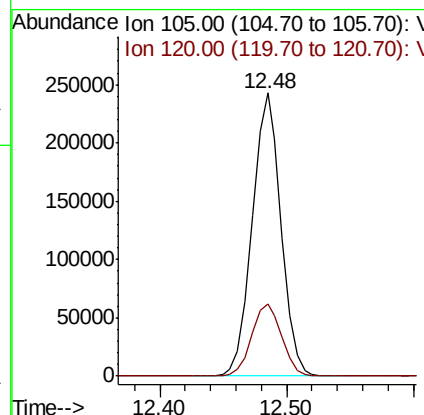
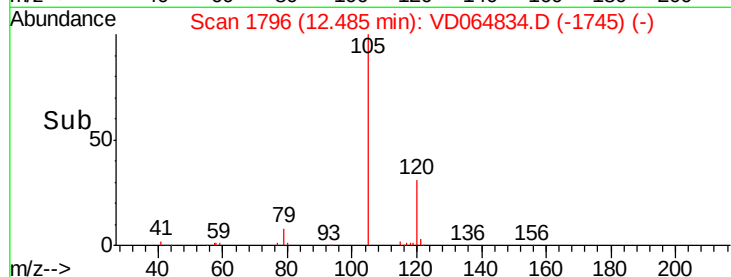
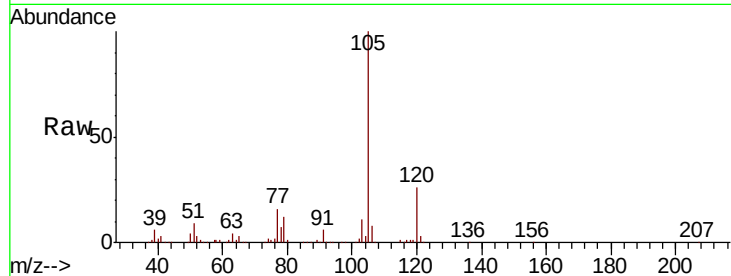
#73
Isopropylbenzene
Concen: 22.205 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.5	40.5

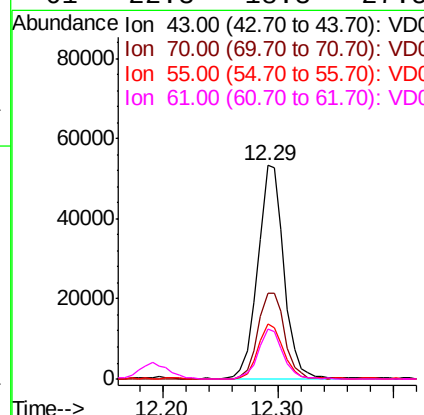
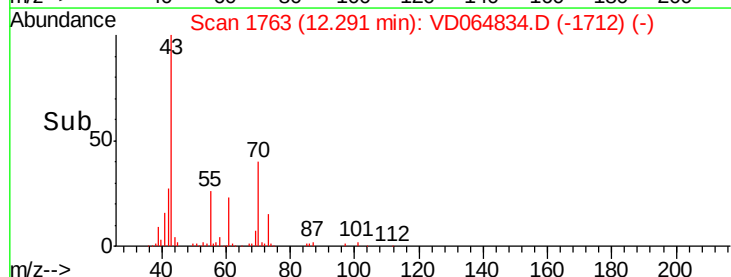
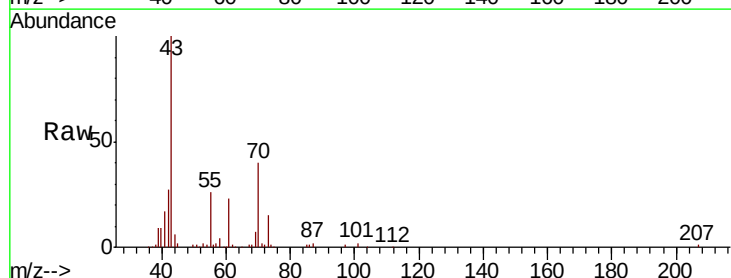
Manual Integrations
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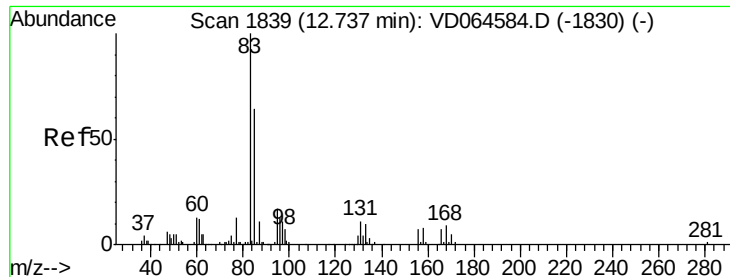
MMDadoda
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#74
N-ethyl acetate
Concen: 22.881 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.4	33.4	50.0
55	24.8	19.4	29.0
61	22.3	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 23.047 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

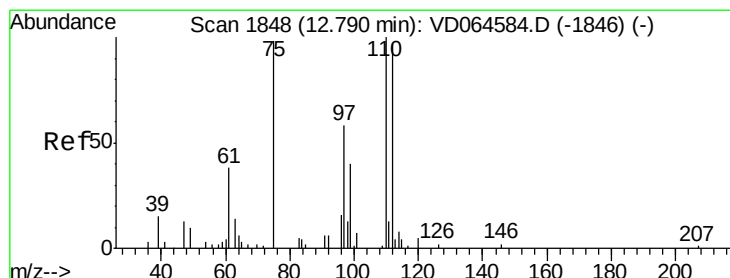
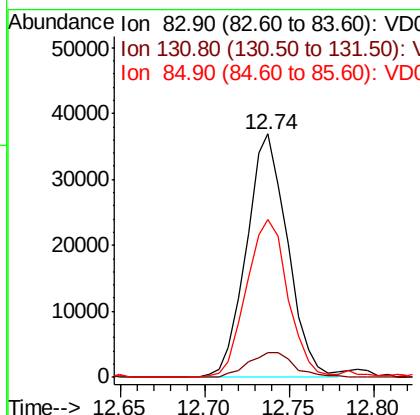
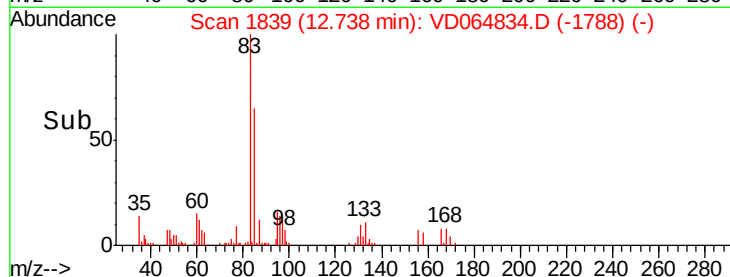
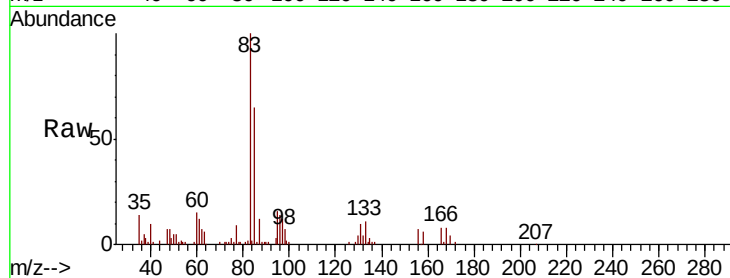
ClientSampleId :

VD0110SBS01

Tot Ion:	83	Resp:	62366
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.8	17.4
85	65.5	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.653 ug/l m

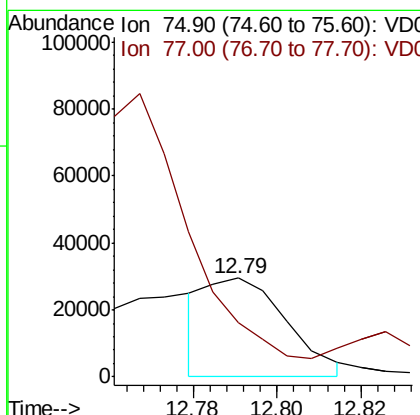
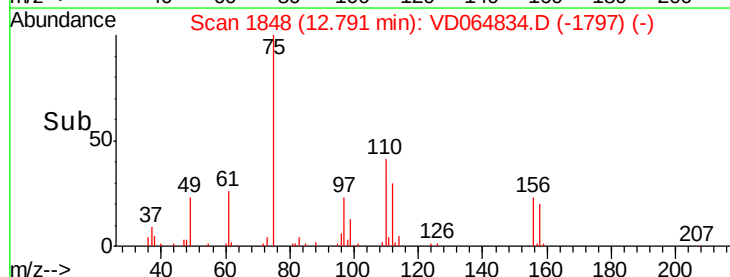
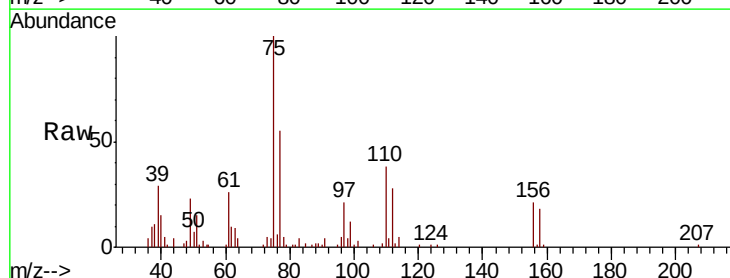
RT: 12.79 min Scan# 1848

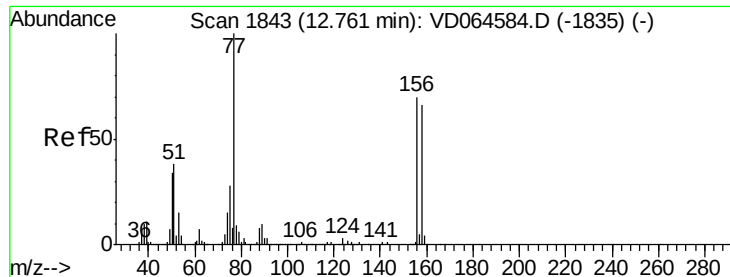
Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Tgt Ion:	75	Resp:	39313
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.287 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion:156 Resp: 94334

Ion Ratio Lower Upper

156 100

77 165.4 80.9 242.7

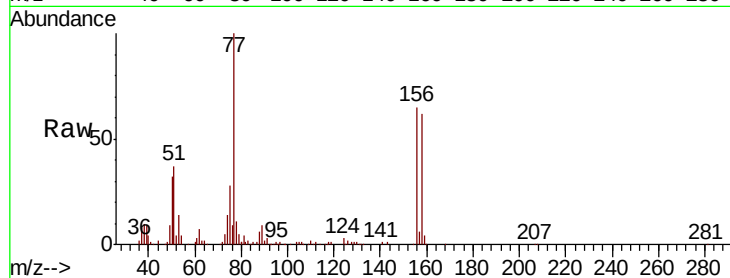
158 96.6 48.0 144.2

Manual Integrations

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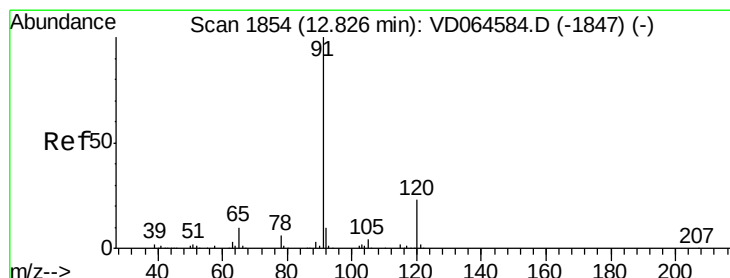
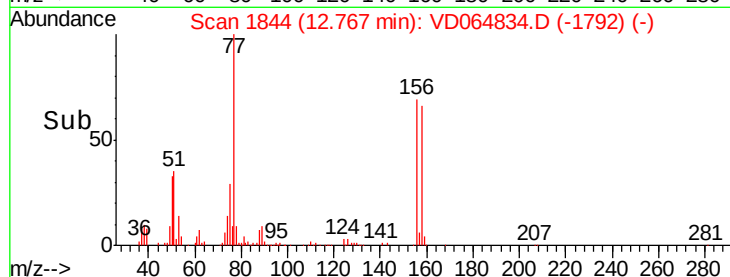
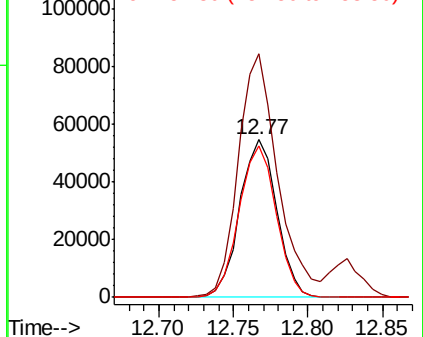
1/13/2020 12:38:22 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.531 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064834.D

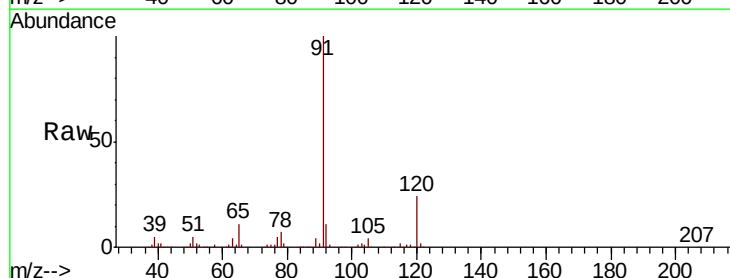
Acq: 10 Jan 2020 15:40

Tgt Ion: 91 Resp: 452797

Ion Ratio Lower Upper

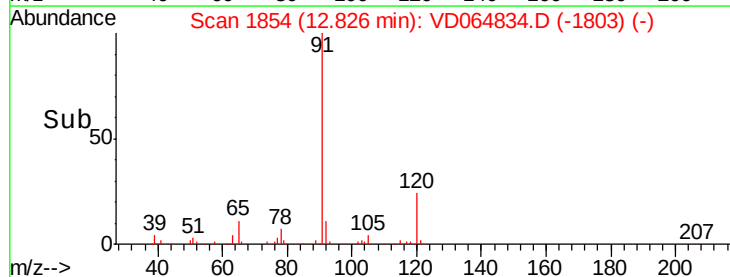
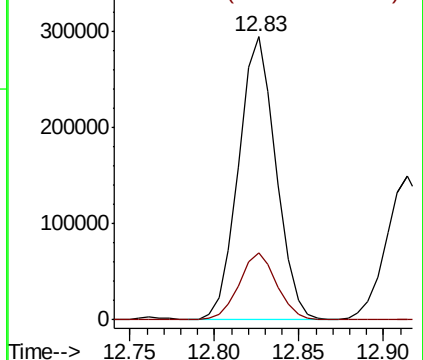
91 100

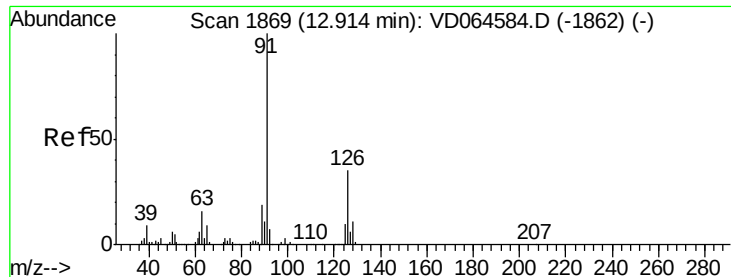
120 23.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.396 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

ClientSampleId :

VD0110SBS01

Tot Ion: 91 Resp: 247242

Ion Ratio Lower Upper

91 100

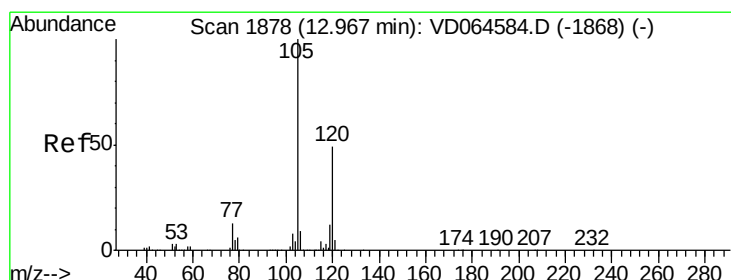
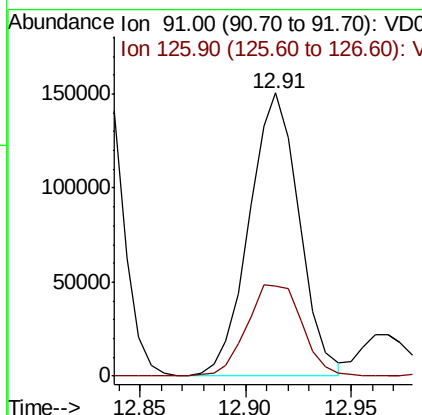
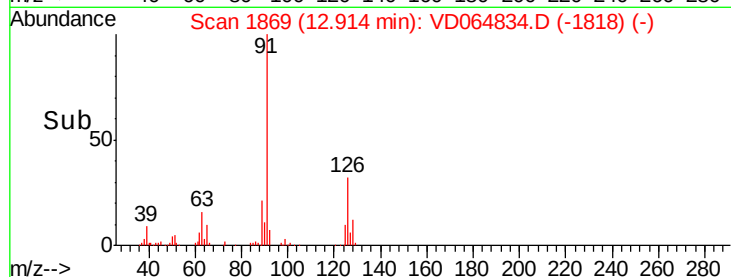
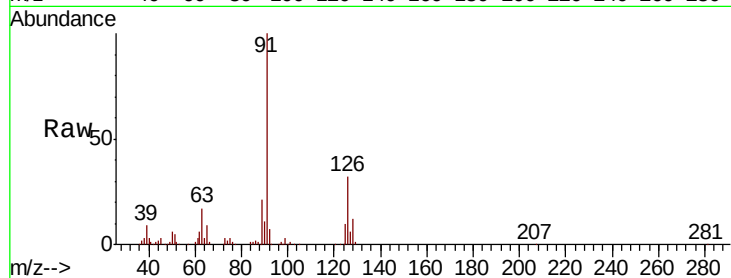
126 35.7 17.8 53.5

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 22.224 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064834.D

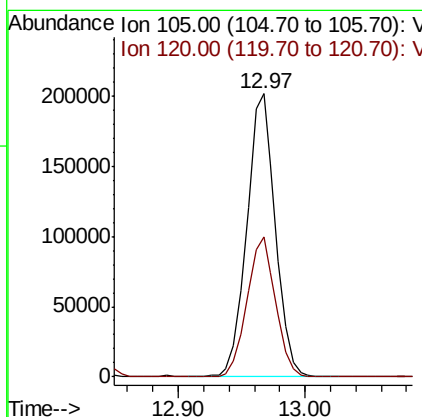
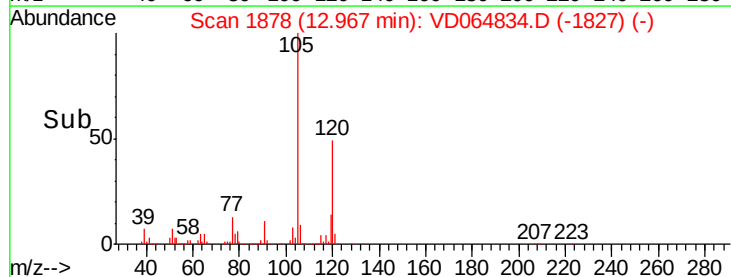
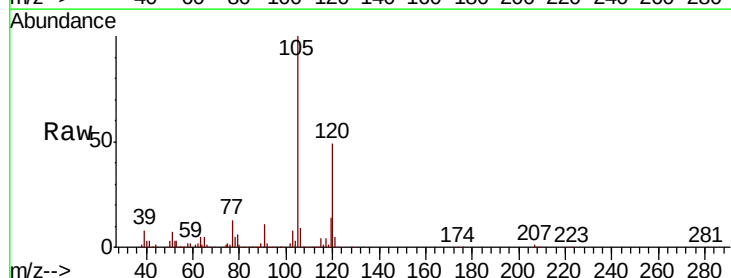
Acq: 10 Jan 2020 15:40

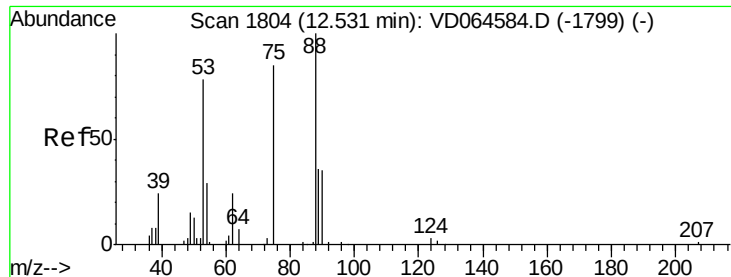
Tgt Ion: 105 Resp: 314476

Ion Ratio Lower Upper

105 100

120 49.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 22.295 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Instrument :

MSVOA_D

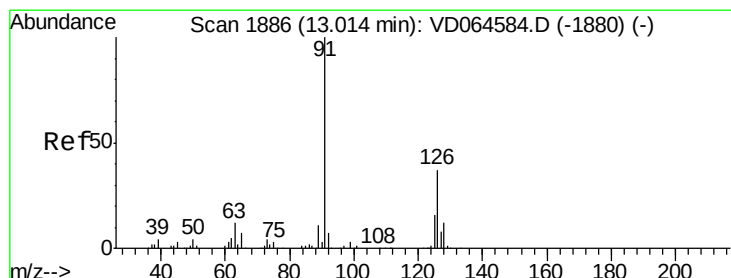
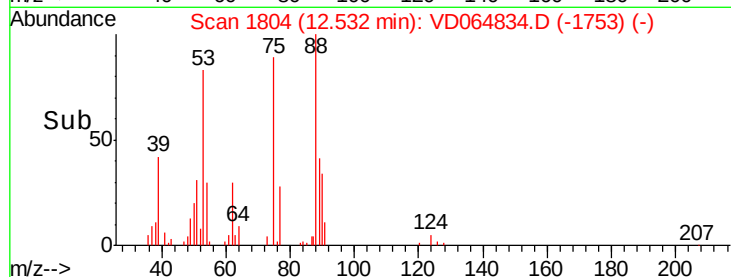
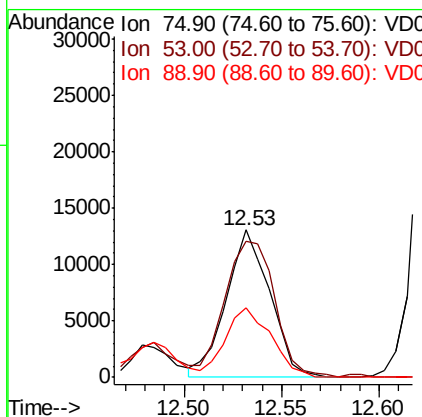
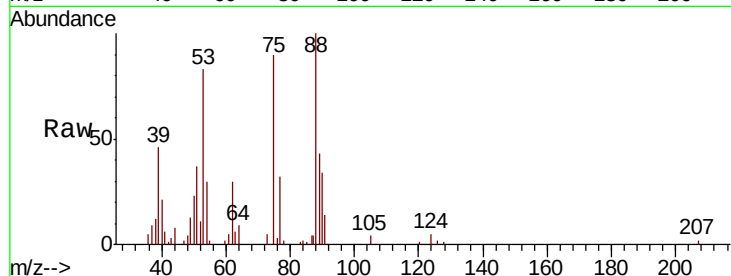
ClientSampleId :

VD0110SBS01

Tot Ion:	75	Resp:	20291
Ion	Ratio	Lower	Upper
75	100		
53	105.0	78.8	118.2
89	49.2	38.3	57.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 22.790 ug/l

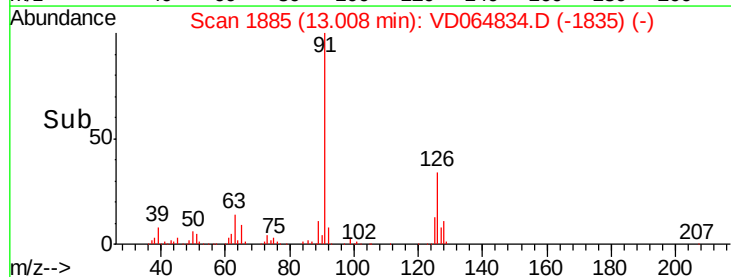
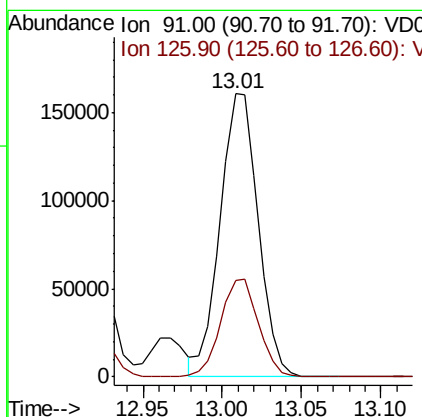
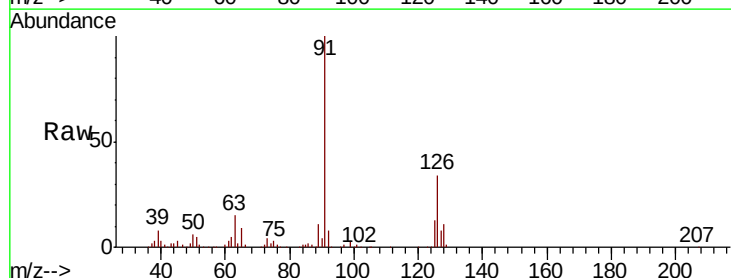
RT: 13.01 min Scan# 1885

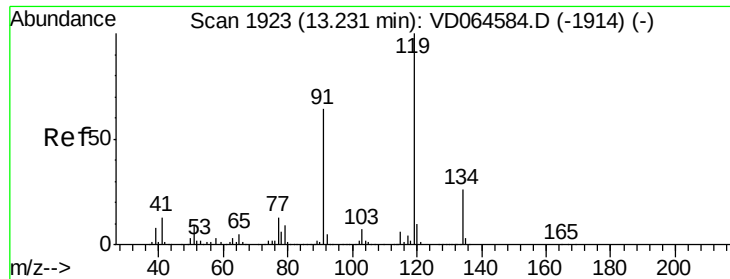
Delta R.T. -0.01 min

Lab File: VD064834.D

Acq: 10 Jan 2020 15:40

Tgt Ion:	91	Resp:	267743
Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.8	53.5





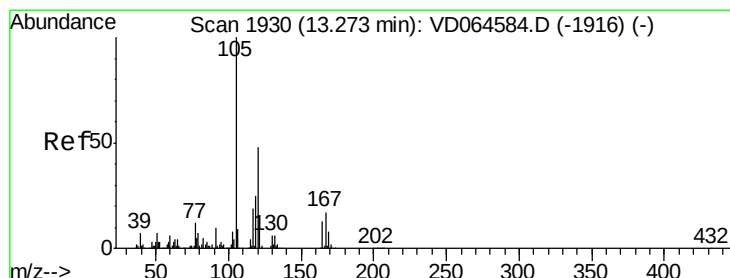
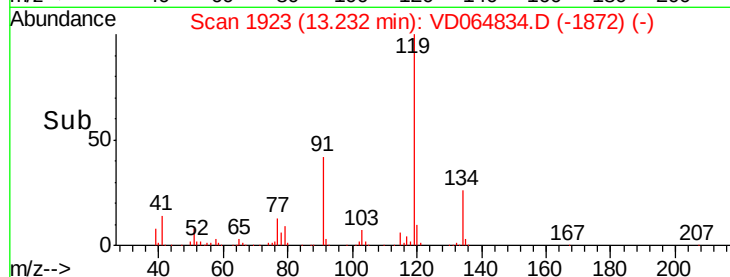
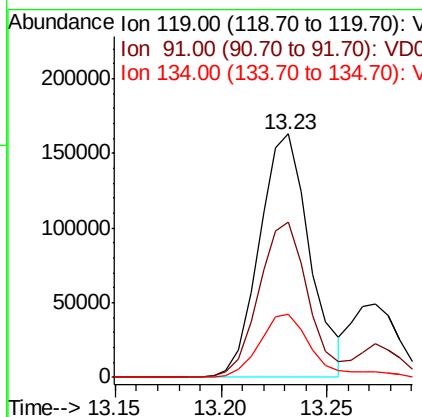
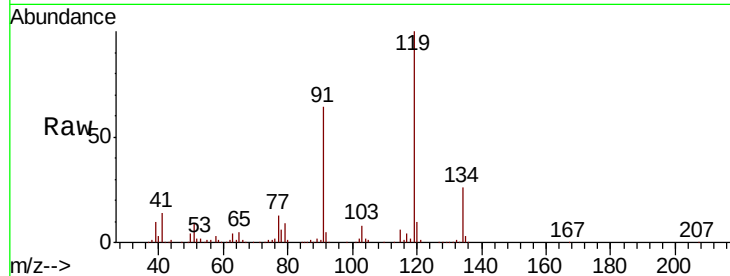
#83
 tert-Butylbenzene
 Concen: 21.990 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.0	30.8	92.4
134	27.7	12.8	38.3

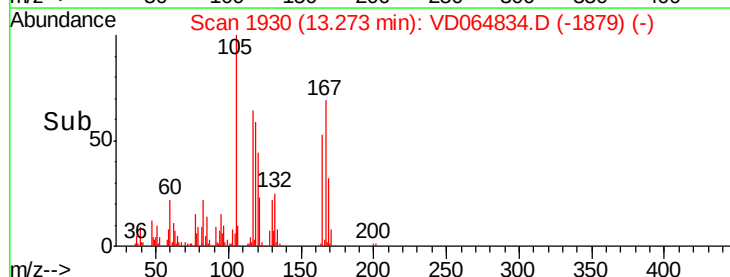
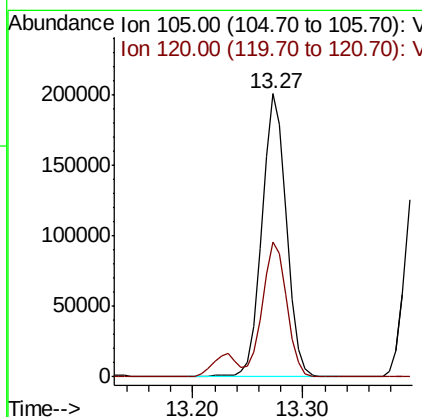
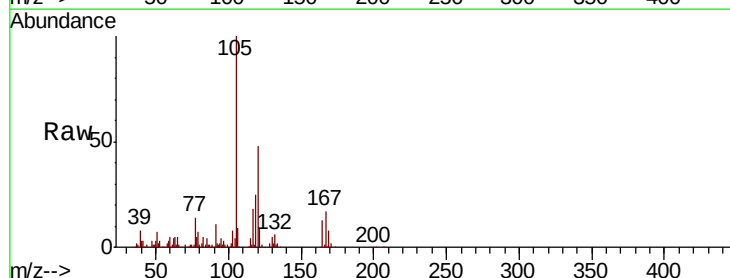
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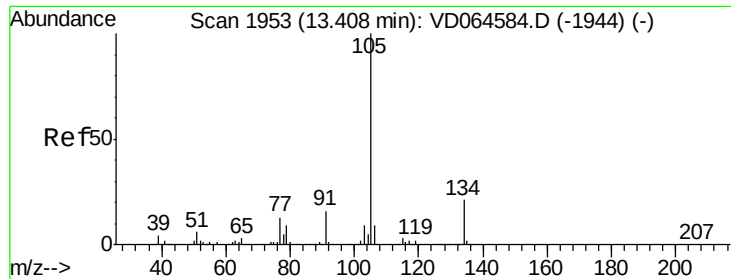
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.133 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.8	71.2





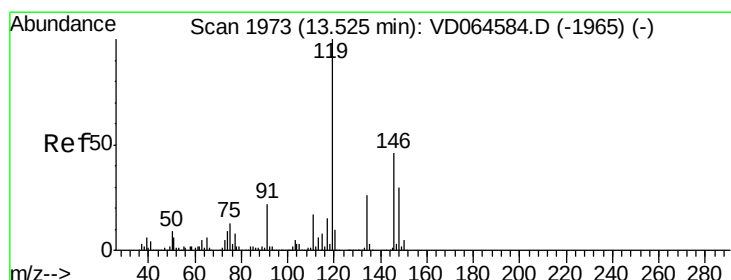
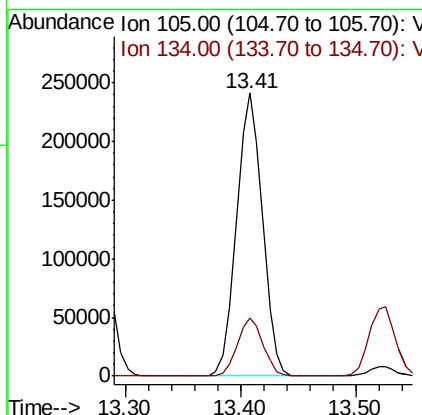
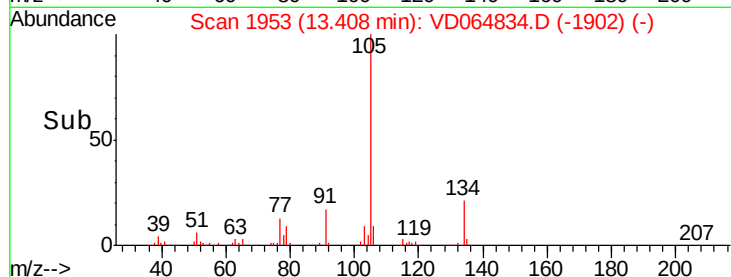
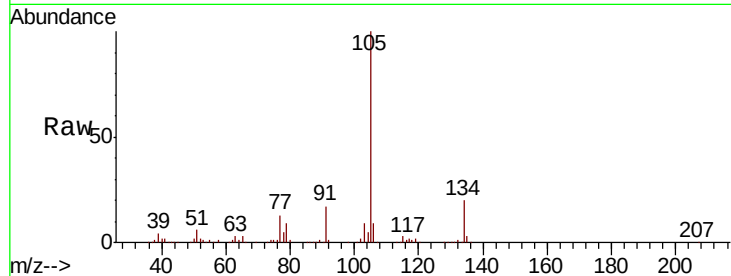
#85
 sec-Butylbenzene
 Concen: 22.194 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0110SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	10.6	31.8

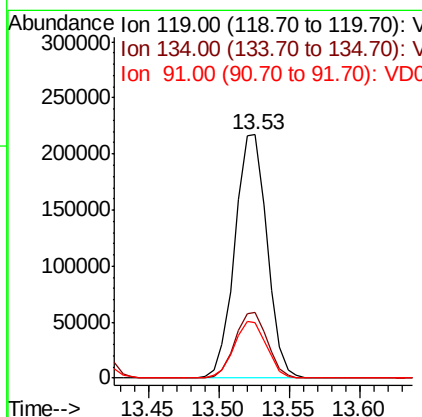
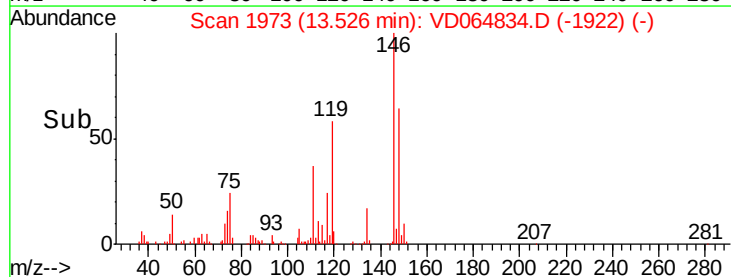
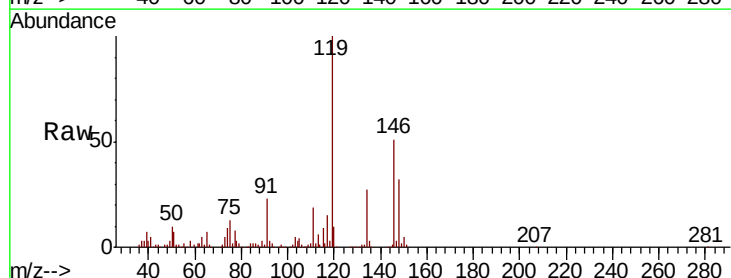
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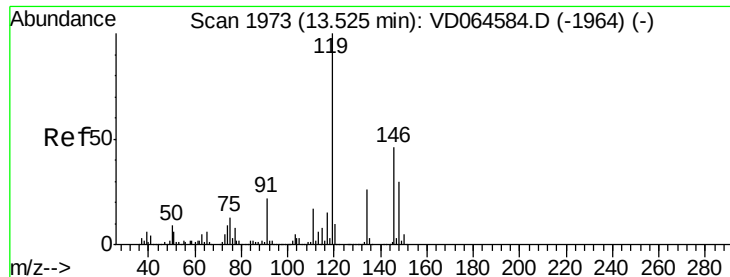
MMDadoda
 1/13/2020 12:38:22 PM



#86
 p-Isopropyltoluene
 Concen: 21.470 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.4	40.1
91	23.4	11.2	33.6





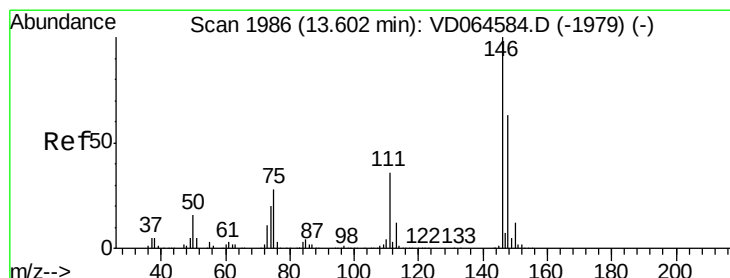
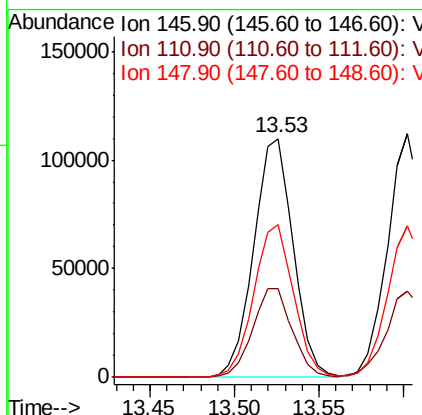
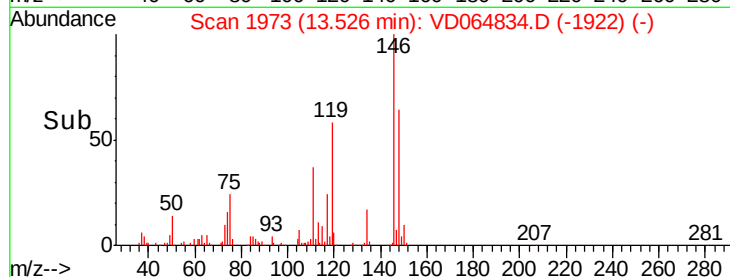
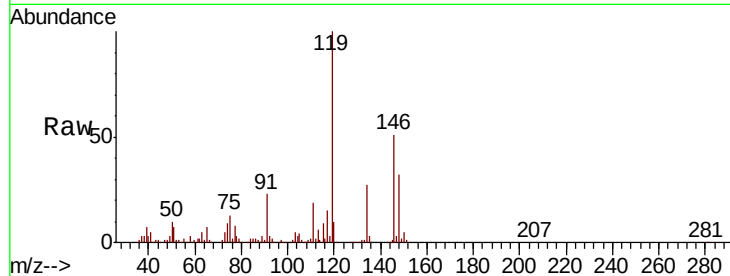
#87
1,3-Dichlorobenzene
Concen: 22.140 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.8	56.4
148	64.5	32.5	97.5

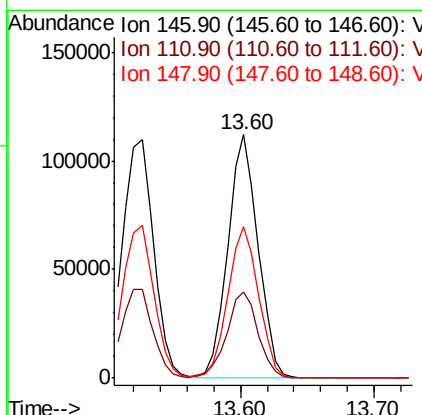
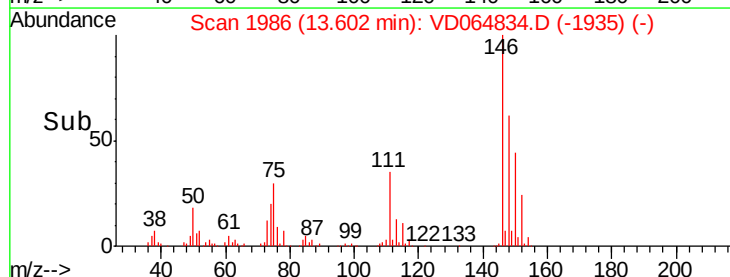
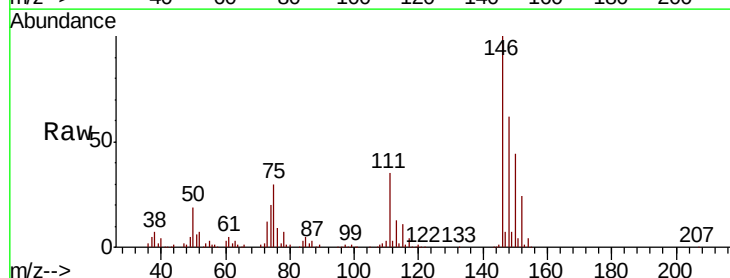
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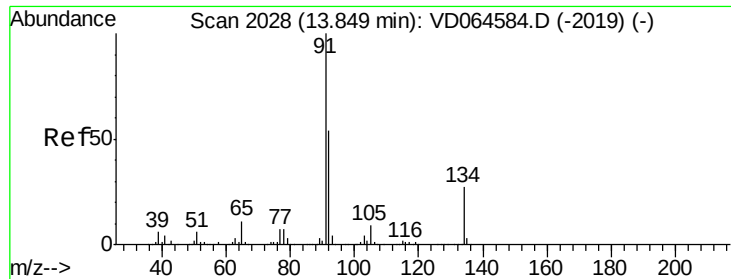
MMDadoda
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#88
1,4-Dichlorobenzene
Concen: 22.412 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.1
148	63.0	32.3	96.9





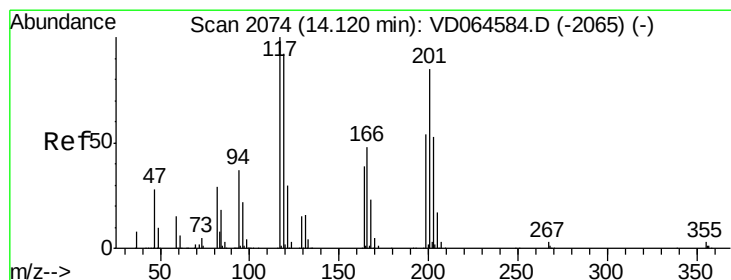
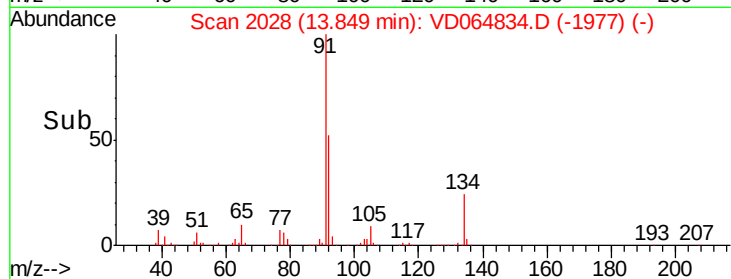
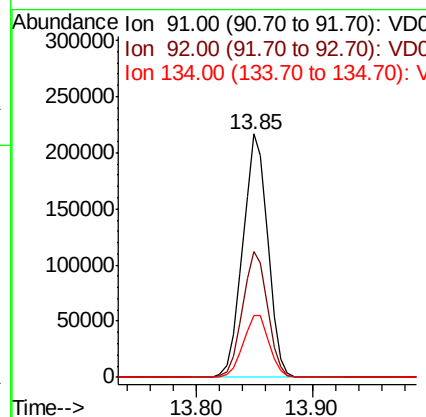
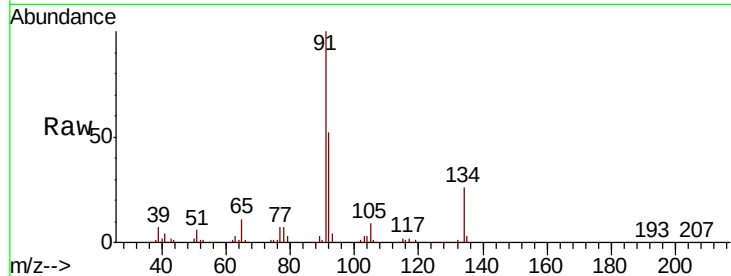
#89
n-Butylbenzene
Concen: 22.363 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	51.8	26.8	80.4	
134	26.7	14.0	41.9	

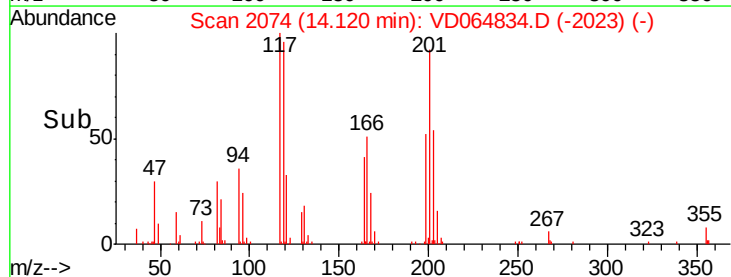
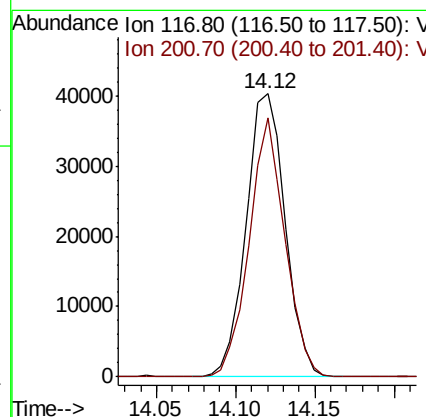
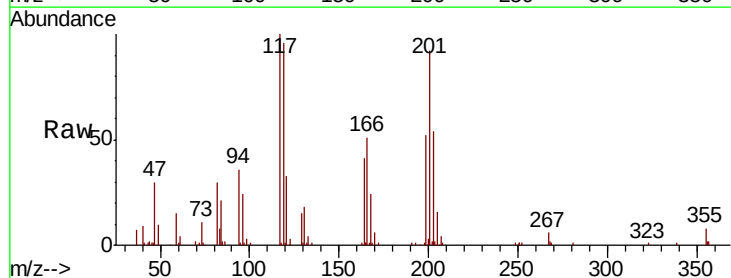
Manual Integrations
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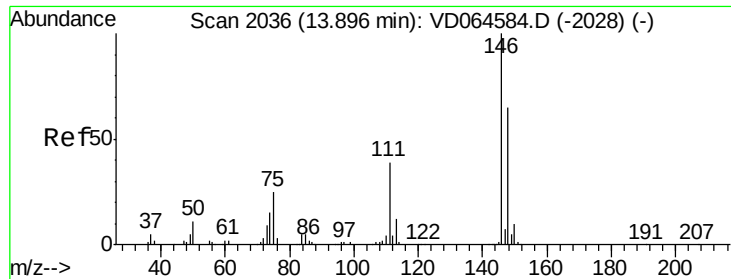
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#90
Hexachloroethane
Concen: 22.443 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	83.8	44.0	131.8	





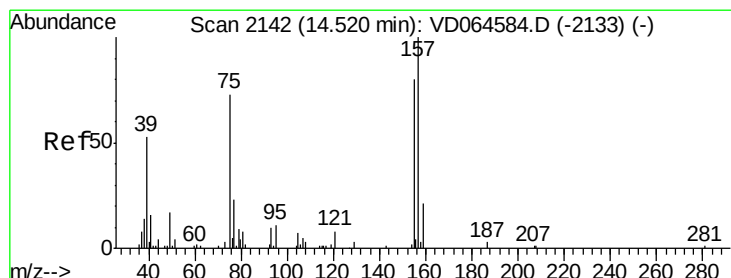
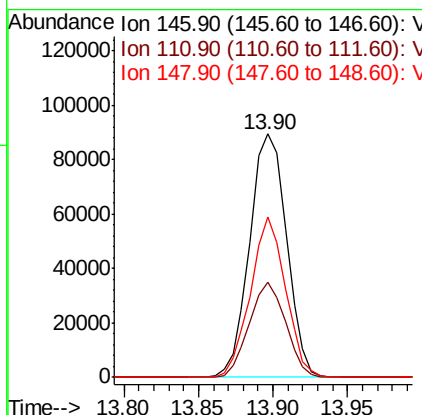
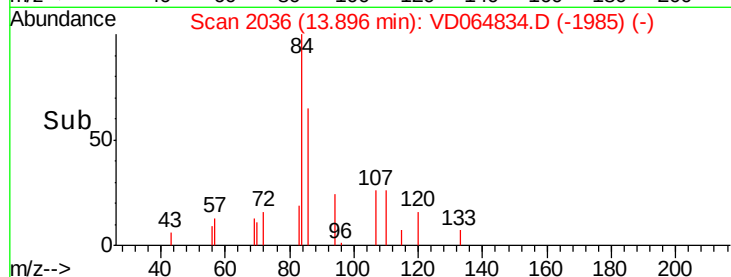
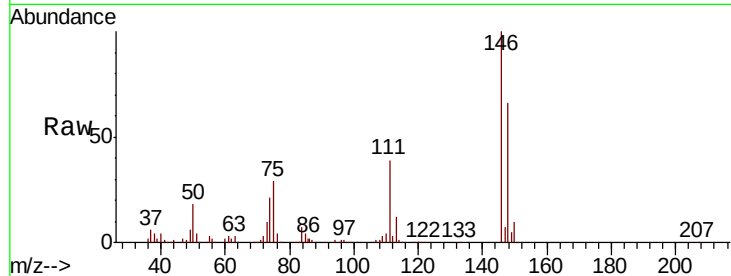
#91
 1,2-Dichlorobenzene
 Concen: 22.316 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	62.2	31.9	95.5

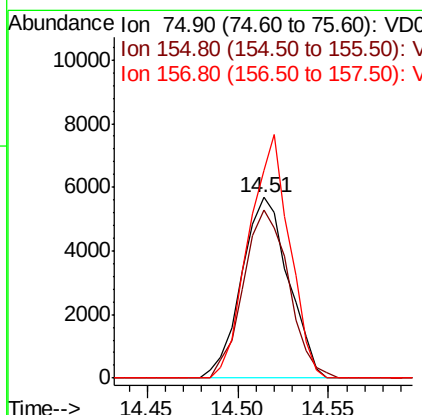
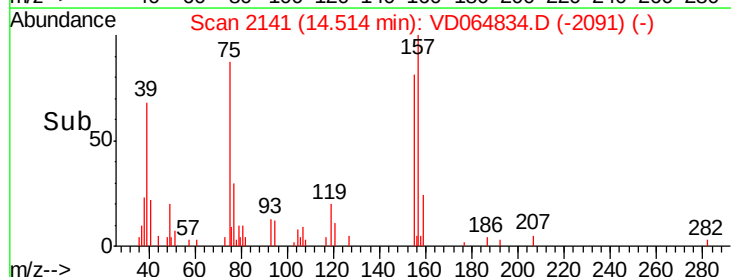
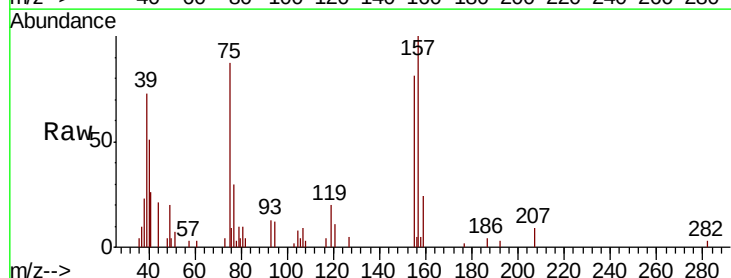
Manual Integrations
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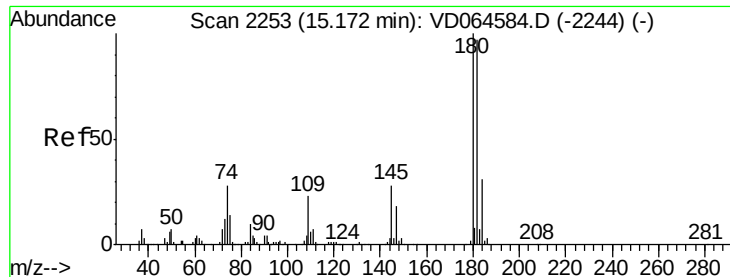
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 1/13/2020 12:38:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.290 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.0	48.0	144.0
157	117.4	64.1	192.3





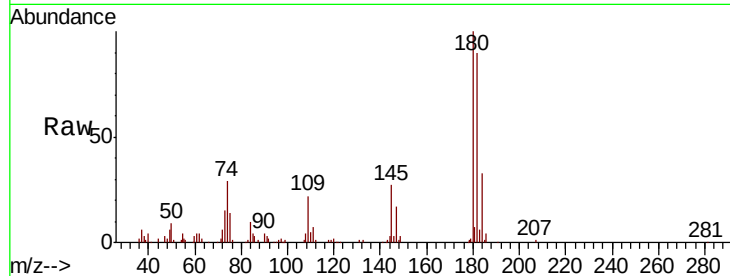
#93
 1,2,4-Trichlorobenzene
 Concen: 21.281 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0110SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	107811		
182	95.1	48.0	144.2	
145	27.7	13.8	41.4	

Manual Integrations
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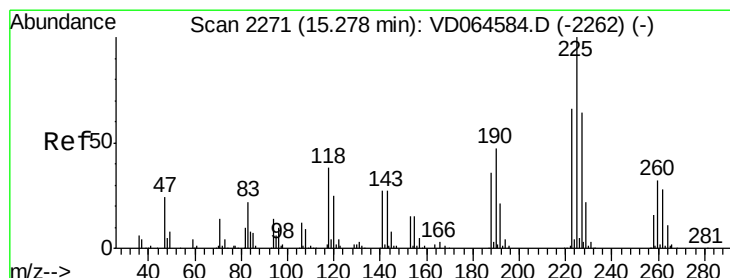
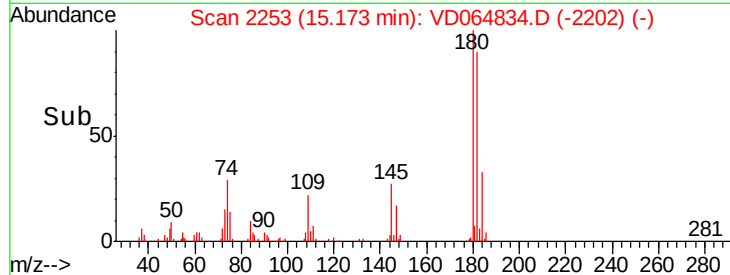
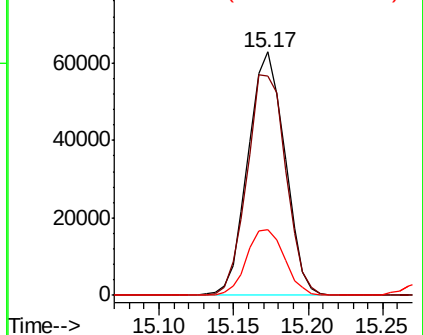


Abundance

Ion 179.80 (179.50 to 180.50): V

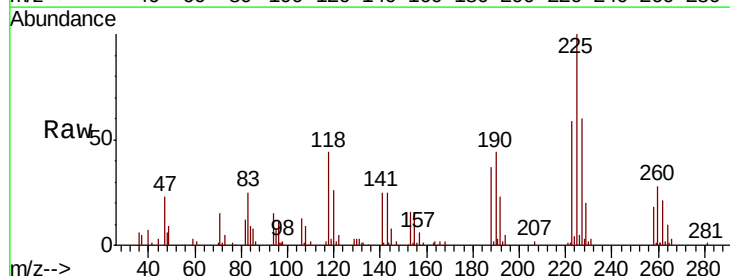
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.701 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD064834.D
 Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65994		
223	64.6	31.1	93.2	
227	65.0	30.9	92.7	

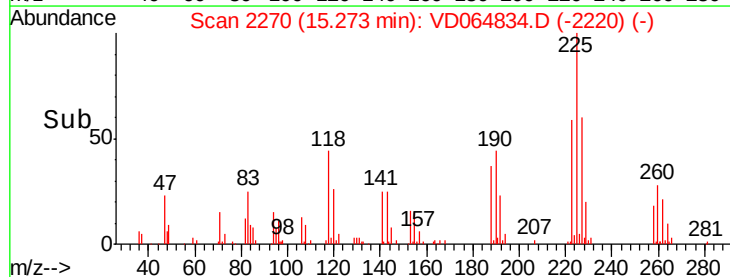
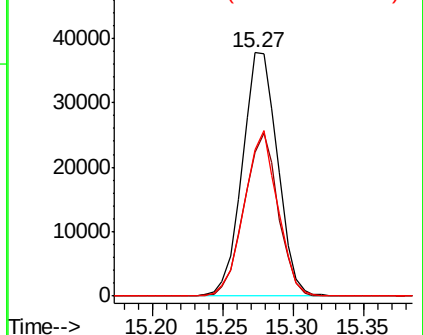


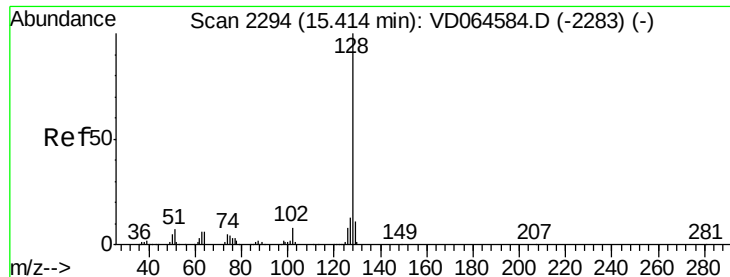
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





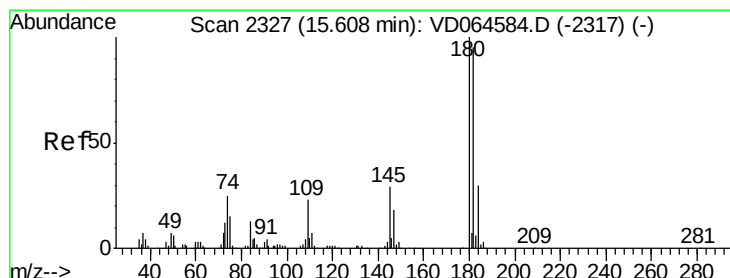
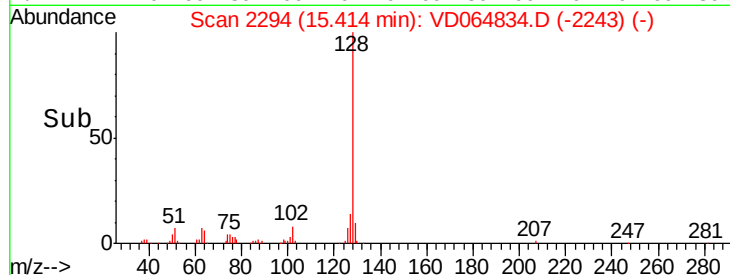
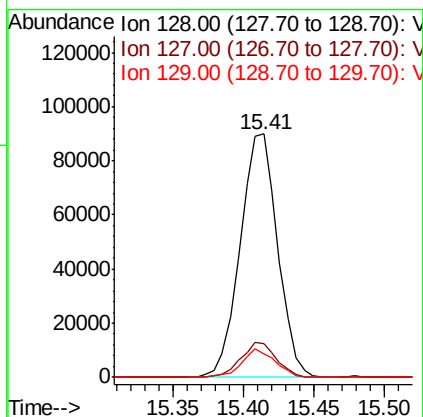
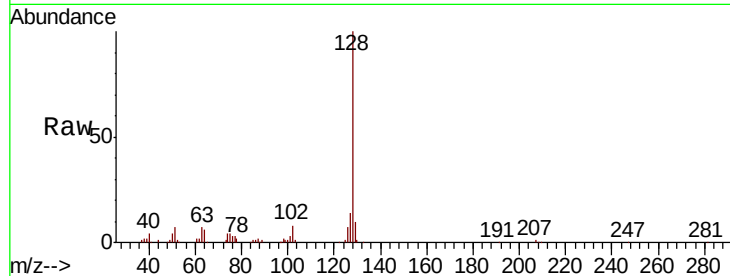
#95
Naphthalene
Concen: 20.785 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Instrument :
MSVOA_D
ClientSampleId :
VD0110SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	166588		
127	13.7	10.3	15.5	
129	10.4	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:38:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.425 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064834.D
Acq: 10 Jan 2020 15:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	92664		
182	95.5	47.9	143.7	
145	28.6	14.9	44.7	

