

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD103119\
 Data File : VD064128.D
 Acq On : 31 Oct 2019 13:03
 Operator : VA/SY
 Sample : VD1031SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Manual Integrations
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 11/1/2019 12:07:05 PM

Quant Time: Nov 01 06:03:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	219719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	328487	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	319151	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	171758	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	88659	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
35) Dibromofluoromethane	7.91	113	100505	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
50) Toluene-d8	10.34	98	395171	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.64	95	133521	49.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	47961	21.377	ug/l	100
3) Chloromethane	2.21	50	80758	21.574	ug/l	91
4) Vinyl Chloride	2.35	62	85753	21.124	ug/l	100
5) Bromomethane	2.76	94	52582	19.876	ug/l	96
6) Chloroethane	2.92	64	52214	20.709	ug/l	94
7) Trichlorofluoromethane	3.27	101	115837	20.729	ug/l	97
8) Diethyl Ether	3.70	74	21041	21.662	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	42480	21.094	ug/l	97
10) Methyl Iodide	4.29	142	46010	18.441	ug/l #	75
11) Tert butyl alcohol	5.26	59	8828	91.814	ug/l	100
12) 1,1-Dichloroethene	4.06	96	40066	21.021	ug/l	96
13) Acrolein	3.93	56	9527	85.505	ug/l	98
14) Allyl chloride	4.71	41	46748	20.956	ug/l	99
15) Acrylonitrile	5.43	53	36543	101.847	ug/l	98
16) Acetone	4.16	43	31362	94.326	ug/l #	86
17) Carbon Disulfide	4.39	76	121293	20.709	ug/l	95
18) Methyl Acetate	4.73	43	16136	18.245	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	76148	19.689	ug/l #	88
20) Methylene Chloride	4.96	84	51533	21.977	ug/l	95
21) trans-1,2-Dichloroethene	5.46	96	44431	20.767	ug/l	84
22) Diisopropyl ether	6.36	45	95354	19.300	ug/l	91
23) Vinyl Acetate	6.30	43	268262	99.059	ug/l	99
24) 1,1-Dichloroethane	6.26	63	67981	20.377	ug/l	100
25) 2-Butanone	7.22	43	43585	94.823	ug/l	98
26) 2,2-Dichloropropane	7.21	77	62063	19.600	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	46440	19.398	ug/l	99
28) Bromochloromethane	7.56	49	19730	16.739	ug/l	97
29) Tetrahydrofuran	7.57	42	27816	103.691	ug/l	98
30) Chloroform	7.71	83	77692	20.351	ug/l	95
31) Cyclohexane	7.98	56	65397	20.120	ug/l #	82
32) 1,1,1-Trichloroethane	7.90	97	70641	19.878	ug/l	99
36) 1,1-Dichloropropene	8.11	75	61045	19.833	ug/l	98
37) Ethyl Acetate	7.30	43	20243	21.367	ug/l #	84
38) Carbon Tetrachloride	8.09	117	67296	20.039	ug/l	97

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Manual Integrations
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Quant Time: Nov 01 06:03:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	72219	19.113	ug/l	96
40) Benzene	8.35	78	160167	19.082	ug/l	96
41) Methacrylonitrile	7.54	41	11106	20.313	ug/l	94
42) 1,2-Dichloroethane	8.43	62	45078	20.331	ug/l	97
43) Isopropyl Acetate	8.46	43	36047	18.827	ug/l #	87
44) Trichloroethene	9.11	130	52206	20.521	ug/l	92
45) 1,2-Dichloropropane	9.39	63	38035	19.553	ug/l #	87
46) Dibromomethane	9.48	93	22945	19.585	ug/l	97
47) Bromodichloromethane	9.67	83	59926	20.276	ug/l	88
48) Methyl methacrylate	9.46	41	19433	21.948	ug/l	93
49) 1,4-Dioxane	9.47	88	5759	429.445	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	100751	96.657	ug/l	100
52) Toluene	10.41	92	117715	20.012	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	53535	19.404	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	62358	19.212	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	31441	18.929	ug/l	94
56) Ethyl methacrylate	10.67	69	34636	19.139	ug/l	98
57) 1,3-Dichloropropane	10.95	76	53432	19.451	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	73556	101.080	ug/l	93
59) 2-Hexanone	10.99	43	70495	92.179	ug/l	98
60) Dibromochloromethane	11.14	129	41063	18.214	ug/l	88
61) 1,2-Dibromoethane	11.25	107	32269	19.424	ug/l	99
64) Tetrachloroethene	10.87	164	46540	20.298	ug/l	98
65) Chlorobenzene	11.67	112	128794	19.531	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.75	131	47829	19.384	ug/l	99
67) Ethyl Benzene	11.75	91	227398	19.387	ug/l	98
68) m/p-Xylenes	11.86	106	185375	39.293	ug/l	98
69) o-Xylene	12.18	106	82779	19.226	ug/l	100
70) Styrene	12.20	104	143187	19.282	ug/l	97
71) Bromoform	12.37	173	25111	19.055	ug/l #	99
73) Isopropylbenzene	12.48	105	225605	18.902	ug/l	96
74) N-amyl acetate	12.29	43	38085	19.207	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	35930	19.099	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	26852m	23.266	ug/l	
77) Bromobenzene	12.76	156	56733	19.687	ug/l	98
78) n-propylbenzene	12.83	91	271973	19.445	ug/l	98
79) 2-Chlorotoluene	12.91	91	150262	20.041	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	195404	19.562	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	11366	20.113	ug/l	97
82) 4-Chlorotoluene	13.01	91	155269	19.381	ug/l	99
83) tert-Butylbenzene	13.23	119	173783	19.370	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	195529	19.485	ug/l	99
85) sec-Butylbenzene	13.41	105	236602	19.203	ug/l	97
86) p-Isopropyltoluene	13.52	119	225660	19.493	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	114950	19.905	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	113122	19.871	ug/l	99
89) n-Butylbenzene	13.85	91	209288	19.601	ug/l	99
90) Hexachloroethane	14.11	117	40647	18.754	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	98749	19.869	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5913	21.521	ug/l	83

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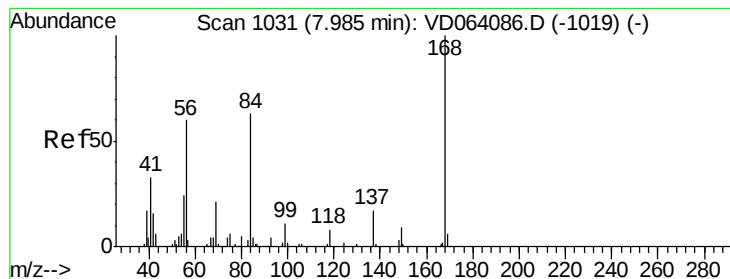
Manual Integrations
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11/1/2019 12:07:05 PM

Quant Time: Nov 01 06:03:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 30 08:00:10 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	73866	20.676	ug/l	98
94) Hexachlorobutadiene	15.27	225	44298	21.216	ug/l	96
95) Naphthalene	15.41	128	113932	19.555	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	62945	20.341	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tgt Ion: 168 Resp: 219719

Ion Ratio Lower Upper

168 100

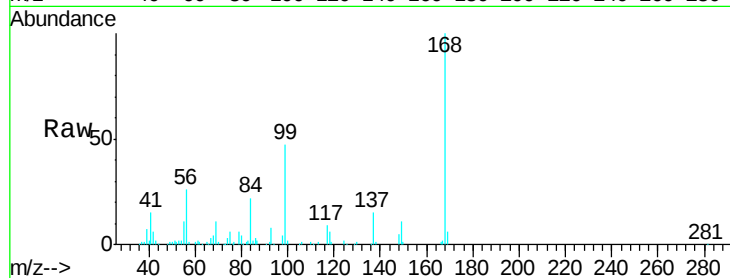
99 46.8 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

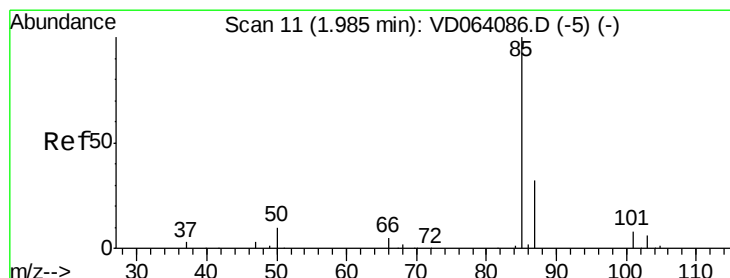
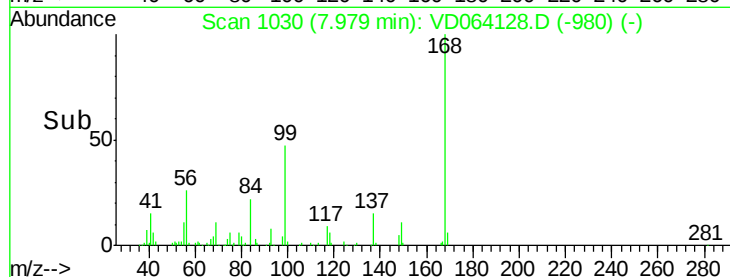
40000

20000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 21.377 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064128.D

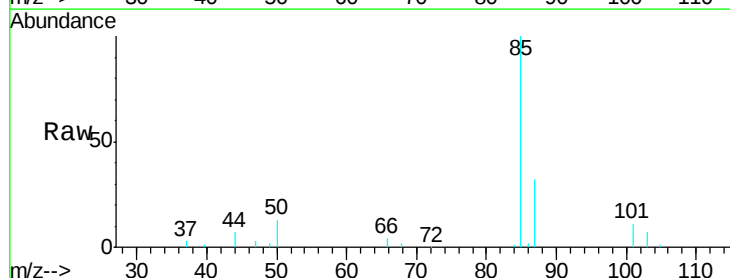
Acq: 31 Oct 2019 13:03

Tgt Ion: 85 Resp: 47961

Ion Ratio Lower Upper

85 100

87 31.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

30000

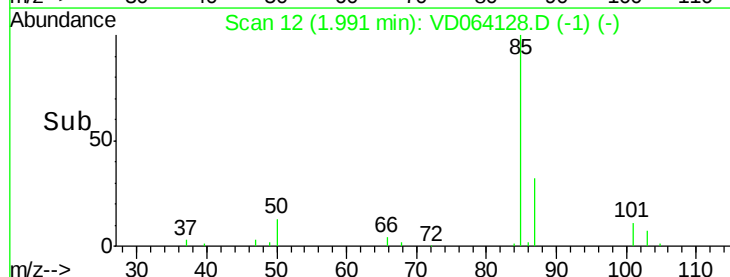
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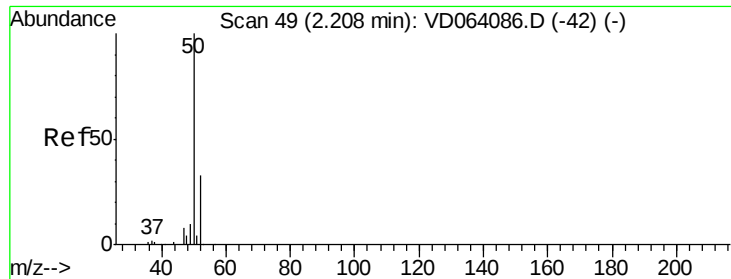
10000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.574 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tgt Ion: 50 Resp: 80758

Ion Ratio Lower Upper

50 100

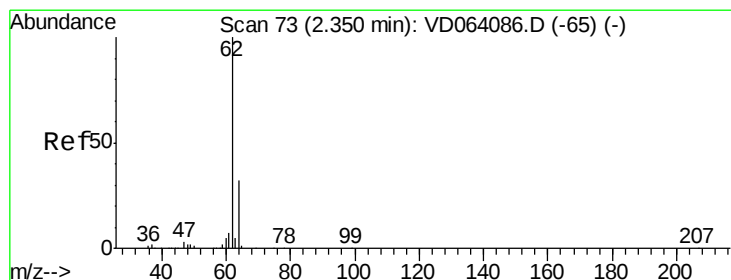
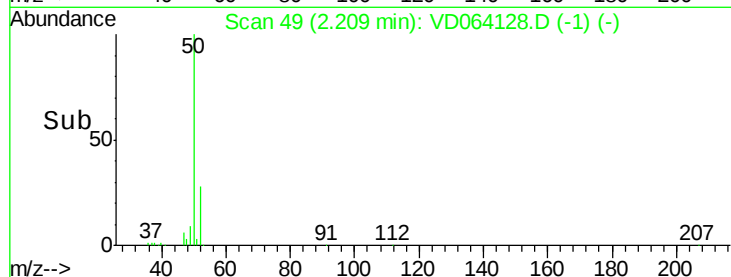
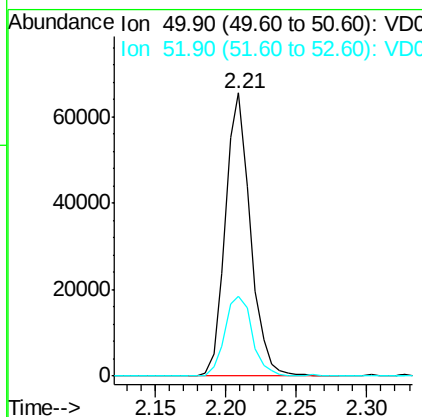
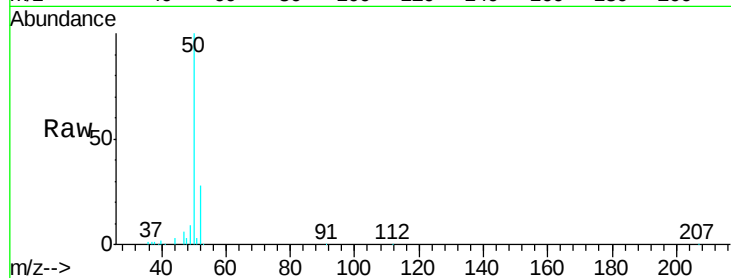
52 28.2 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.124 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064128.D

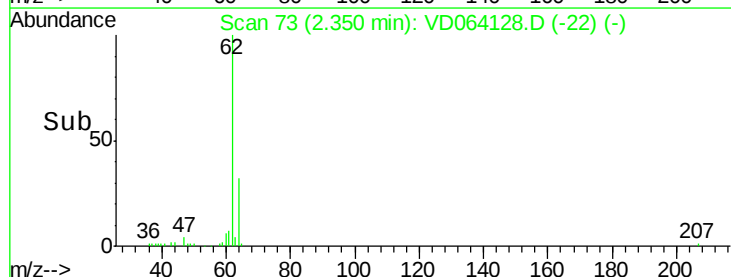
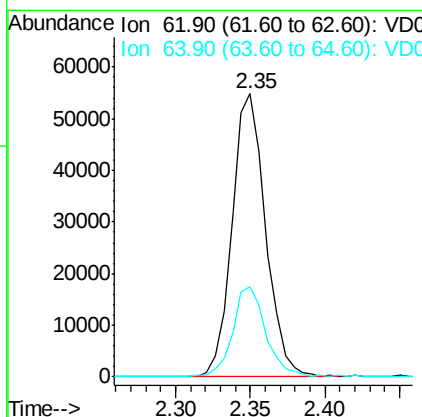
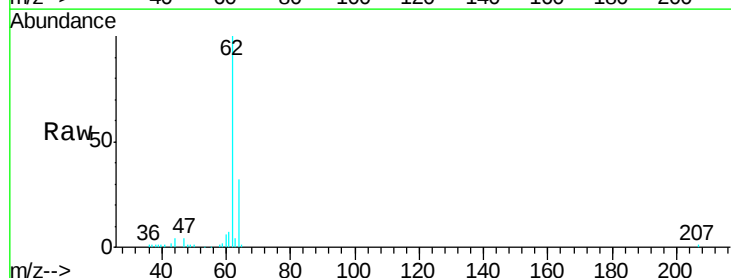
Acq: 31 Oct 2019 13:03

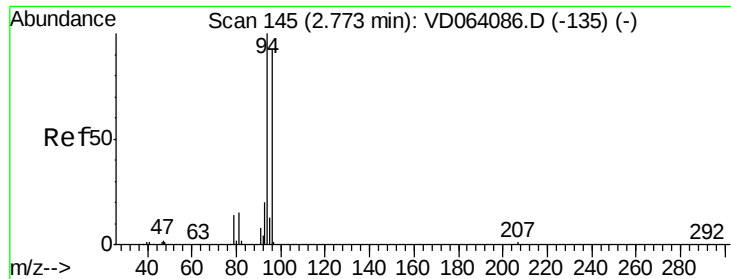
Tgt Ion: 62 Resp: 85753

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4





#5

Bromomethane

Concen: 19.876 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tgt Ion: 94 Resp: 52582

Ion Ratio Lower Upper

94 100

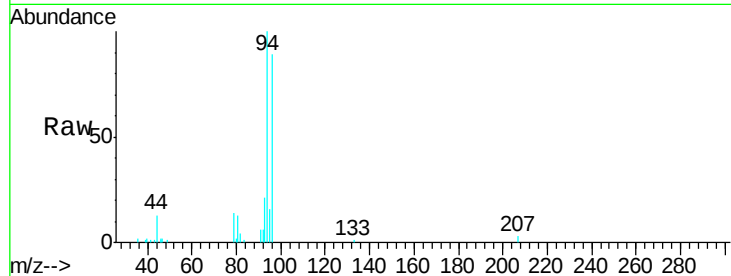
96 88.6 73.9 110.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

25000

20000

15000

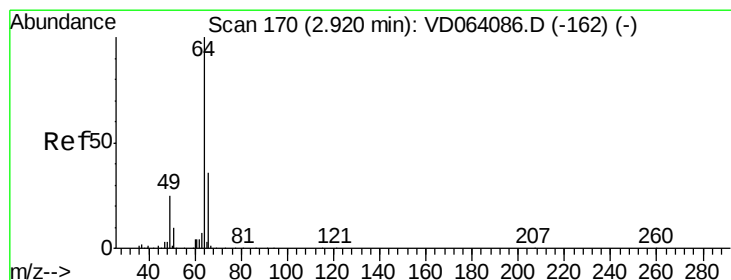
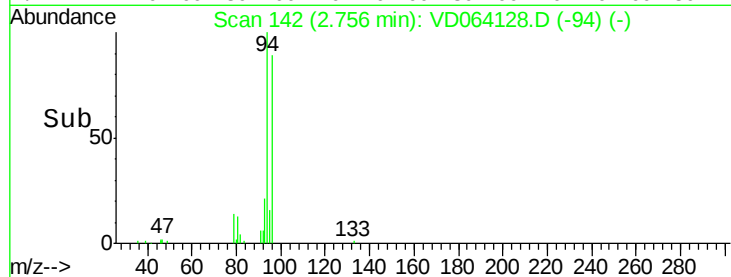
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5000

0

2.70 2.75 2.80 2.85

Time-->



#6

Chloroethane

Concen: 20.709 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064128.D

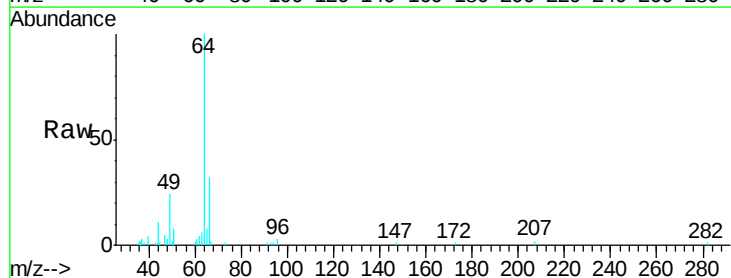
Acq: 31 Oct 2019 13:03

Tgt Ion: 64 Resp: 52214

Ion Ratio Lower Upper

64 100

66 32.5 28.7 43.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

30000

25000

20000

15000

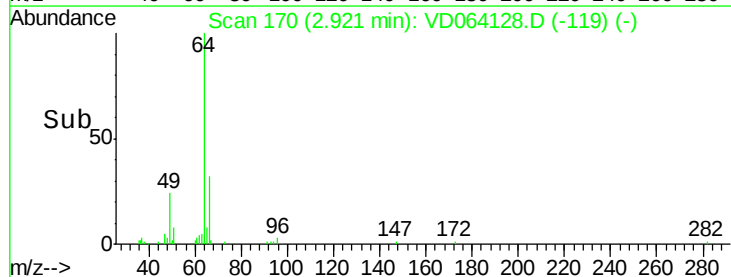
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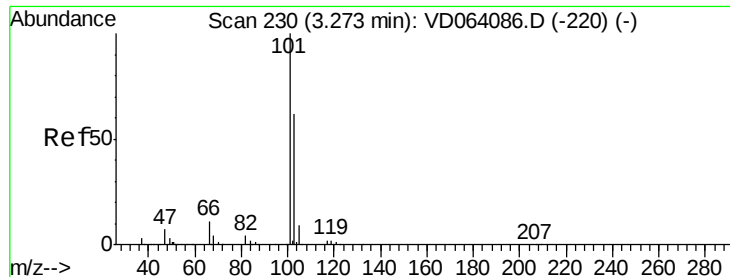
5000

0

2.80 2.90 3.00

Time-->





#7

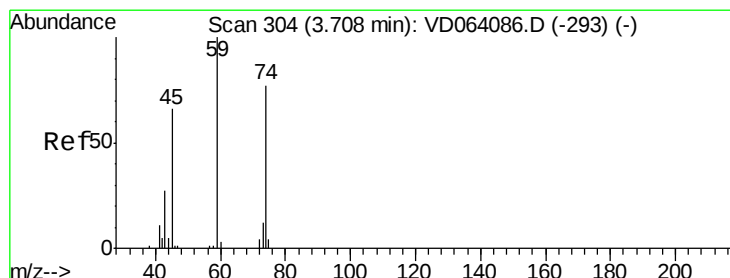
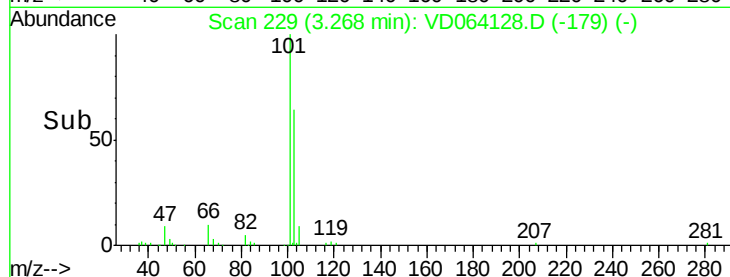
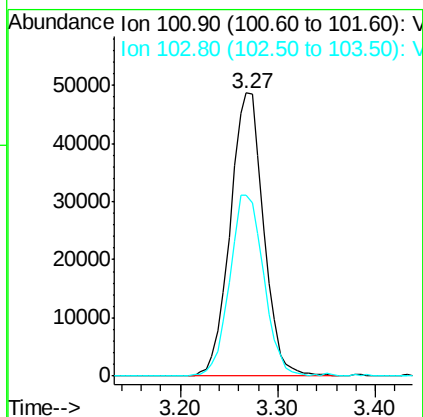
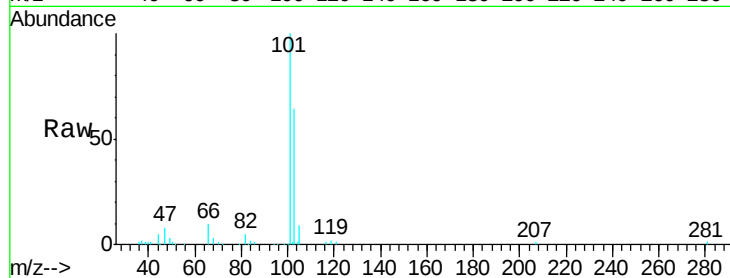
Trichlorofluoromethane
 Concen: 20.729 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Instrument :
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 ClientSampleId :
 VD1031SBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.0	49.6	74.4

Manual Integrations
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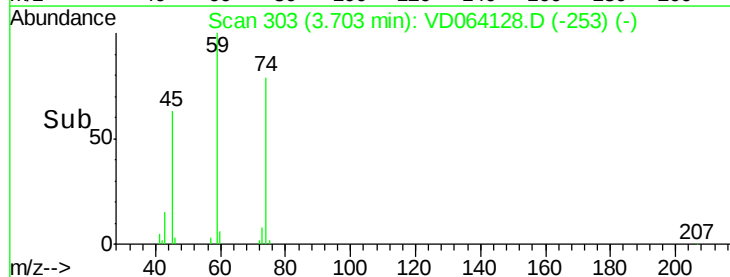
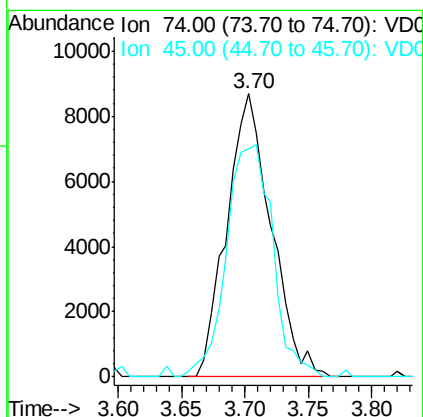
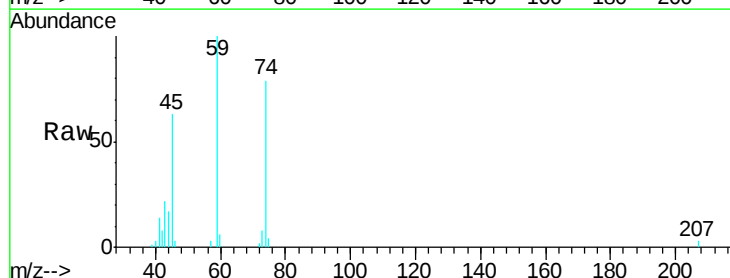
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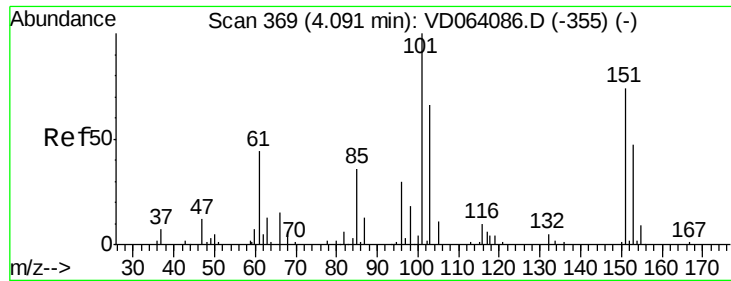


#8

Diethyl Ether
 Concen: 21.662 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.6	44.1	132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.094 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

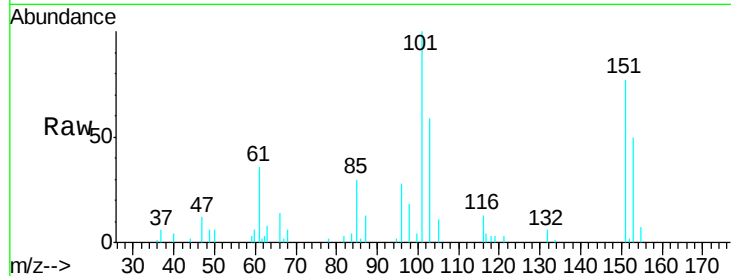
ClientSampleId :

VD1031SBS01

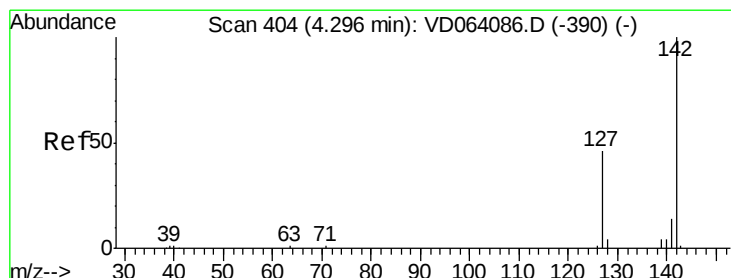
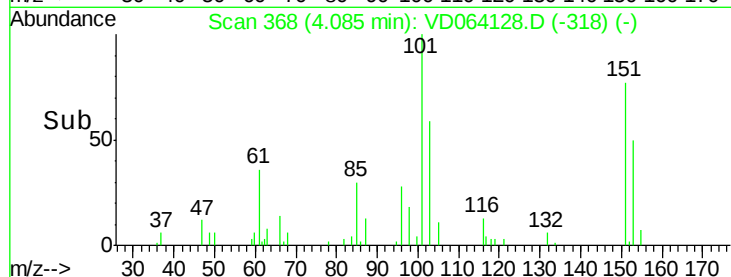
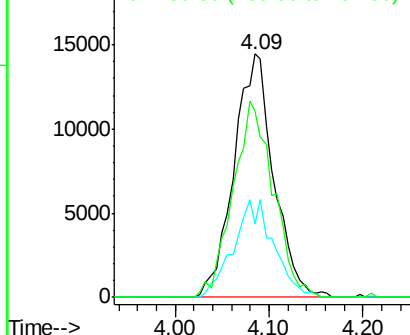
Tgt Ion:	101	Resp:	42480
Ion Ratio	Lower	Upper	
101	100		
85	40.5	35.3	52.9
151	82.0	67.0	100.6

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



#10

Methyl Iodide

Concen: 18.441 ug/l

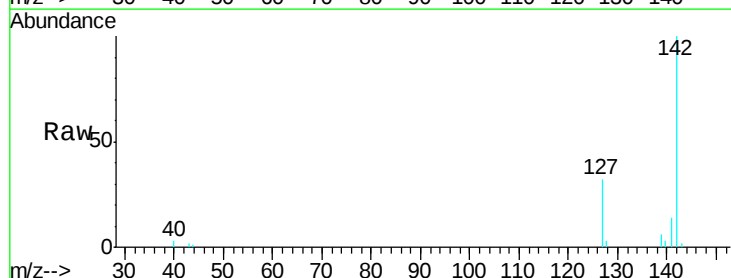
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

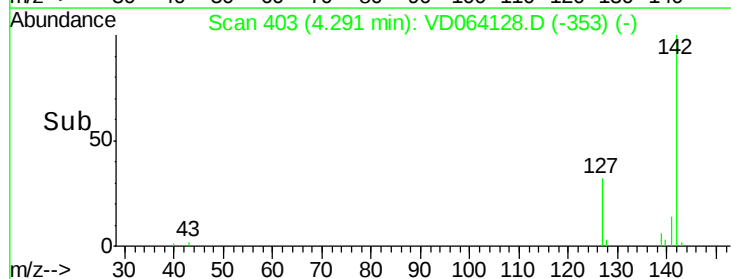
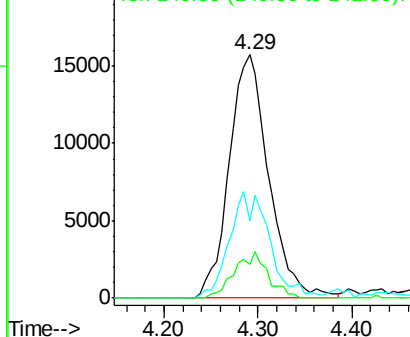
Lab File: VD064128.D

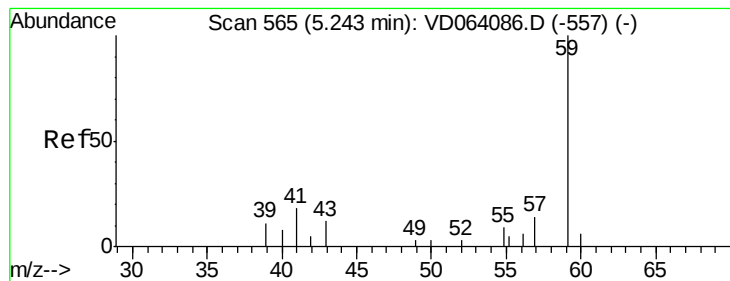
Acq: 31 Oct 2019 13:03

Tgt Ion:	142	Resp:	46010
Ion Ratio	Lower	Upper	
142	100		
127	23.1	35.1	52.7#
141	15.9	11.6	17.4



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





#11

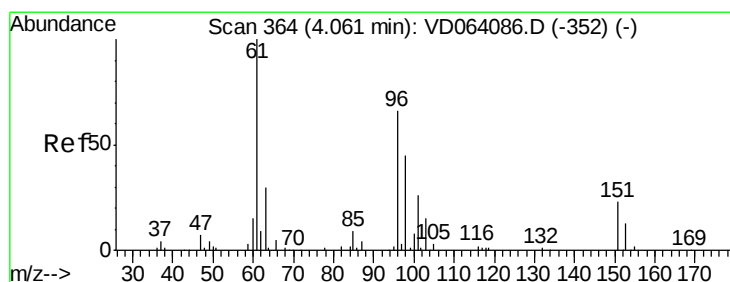
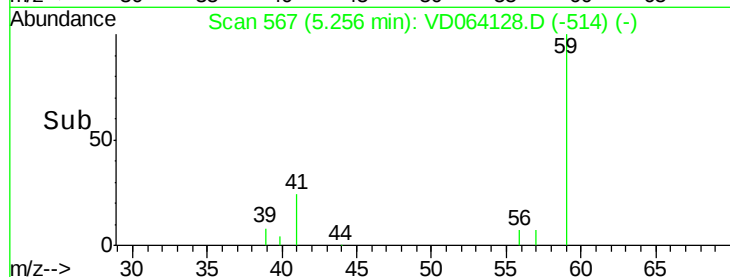
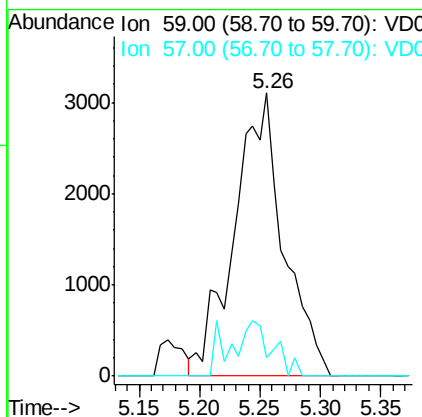
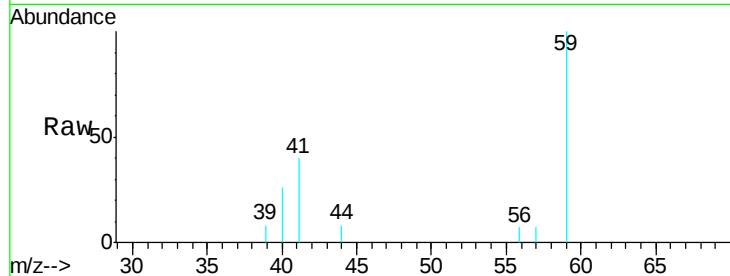
Tert butyl alcohol
 Concen: 91.814 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tgt Ion: 59 Resp: 8828
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.7 13.1

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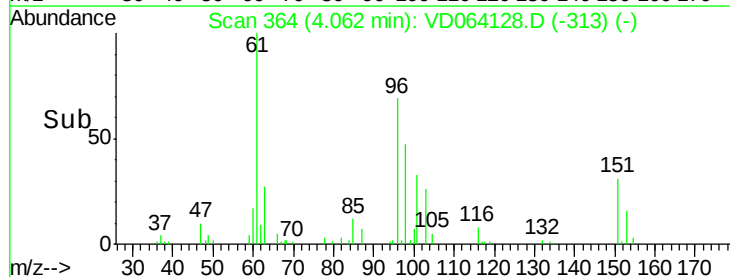
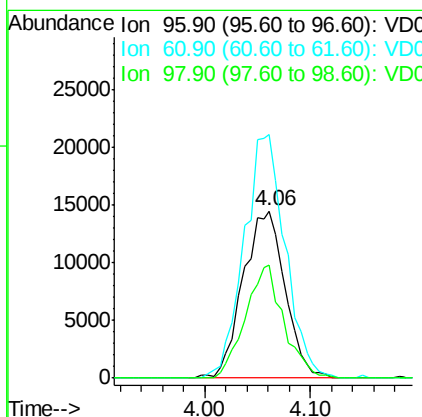
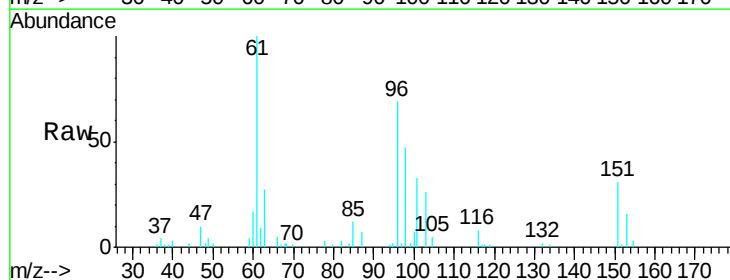
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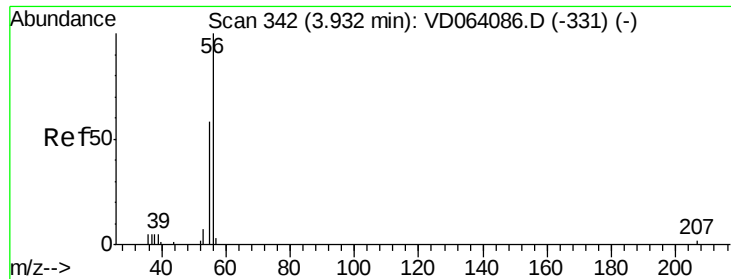


#12

1,1-Dichloroethene
 Concen: 21.021 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Tgt Ion: 96 Resp: 40066
 Ion Ratio Lower Upper
 96 100
 61 145.8 121.8 182.6
 98 68.0 55.4 83.0





#13

Acrolein

Concen: 85.505 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tgt Ion: 56 Resp: 9527

Ion Ratio Lower Upper

56 100

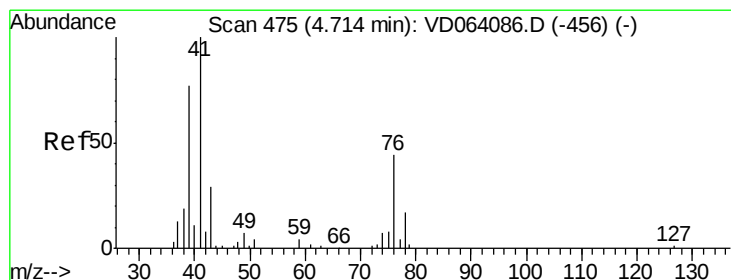
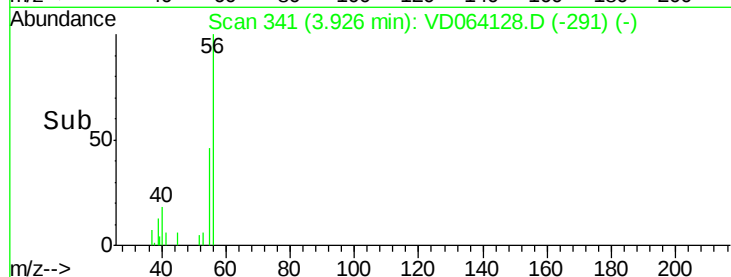
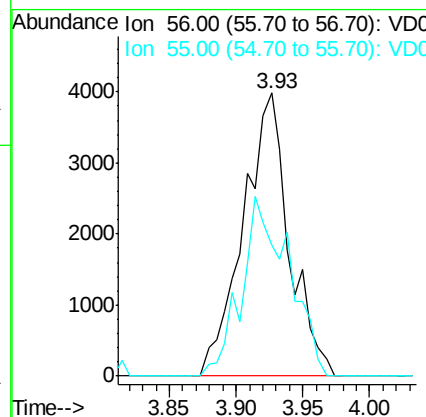
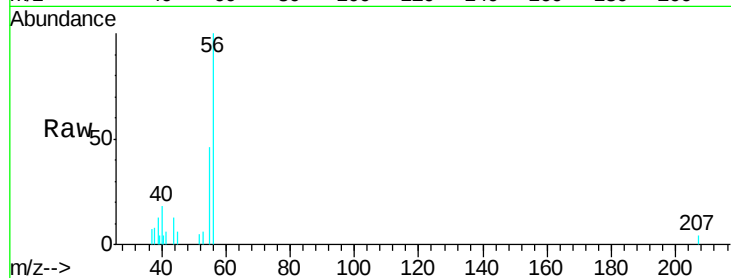
55 65.6 53.8 80.6

Manual Integrations

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#14

Allyl chloride

Concen: 20.956 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

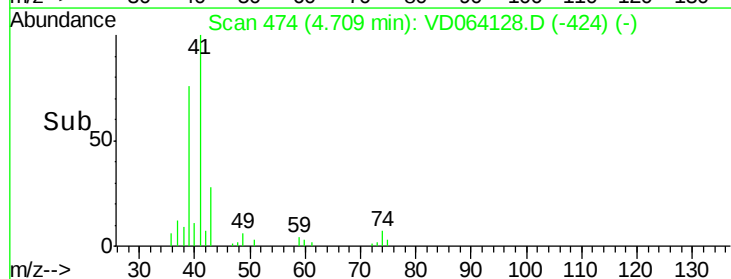
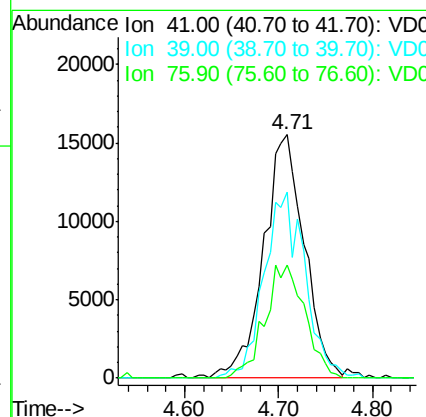
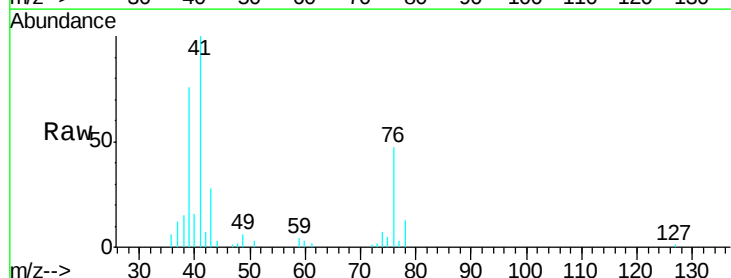
Tgt Ion: 41 Resp: 46748

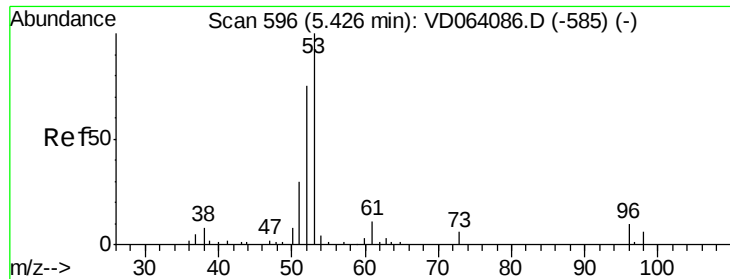
Ion Ratio Lower Upper

41 100

39 76.5 61.5 92.3

76 45.7 36.2 54.4





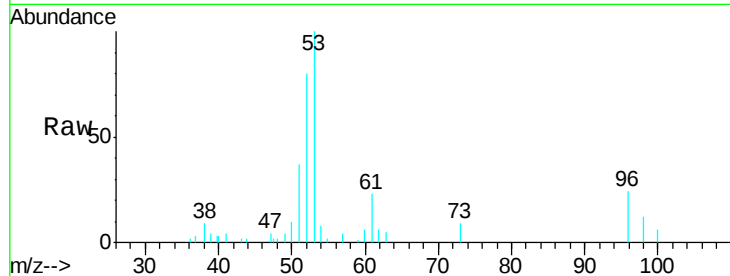
#15
Acrylonitrile
Concen: 101.847 ug/l
RT: 5.43 min Scan# 596
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

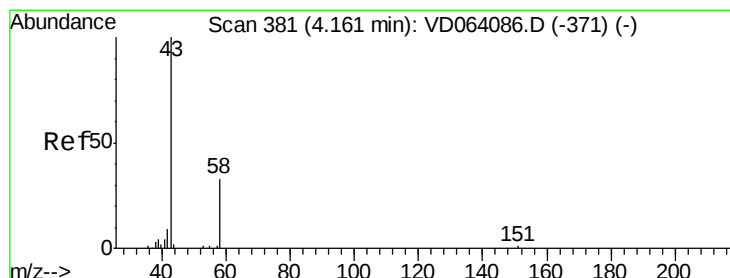
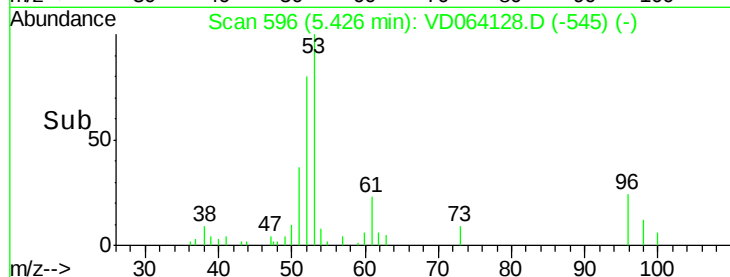
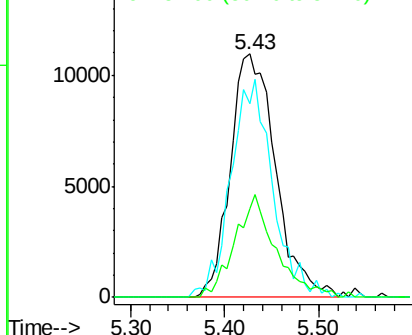
Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.2	99.4
51	38.4	29.0	43.6

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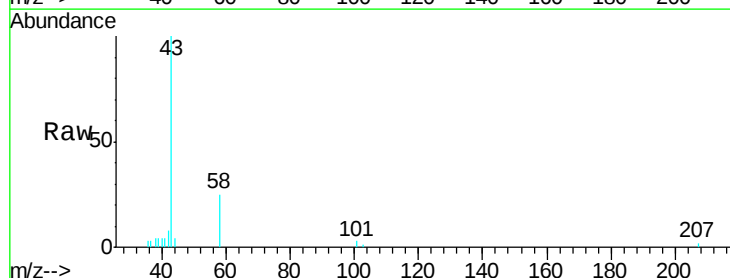


Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC

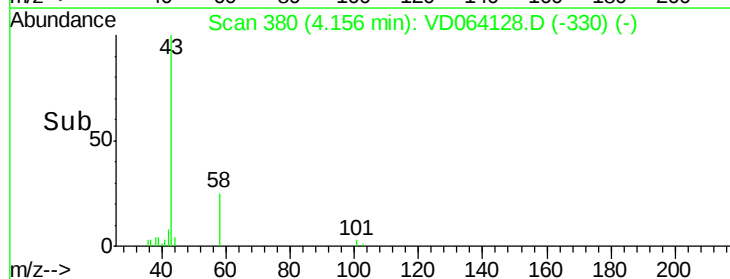
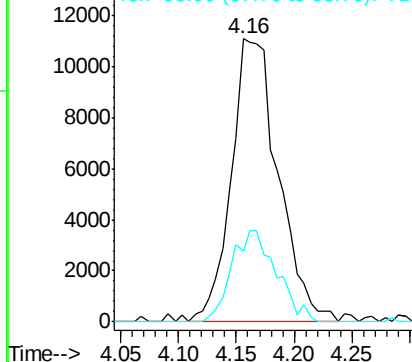


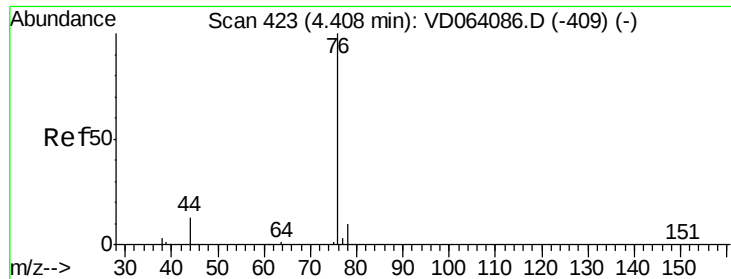
#16
Acetone
Concen: 94.326 ug/l
RT: 4.16 min Scan# 380
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	25.2	26.3	39.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





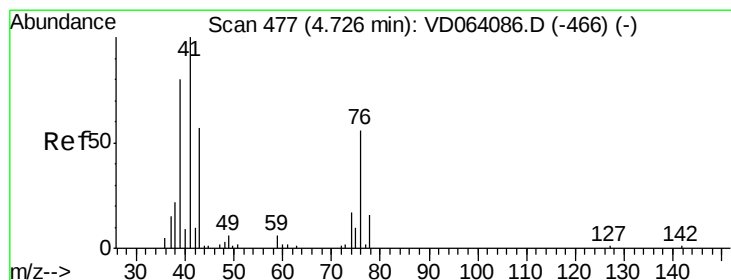
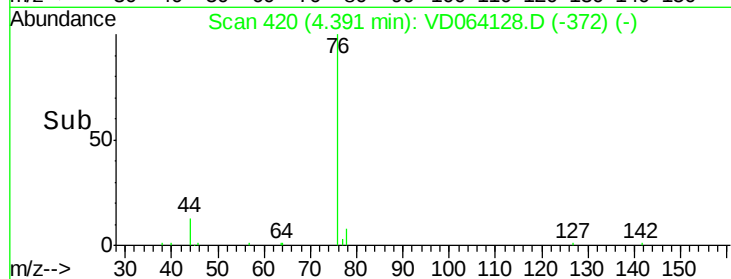
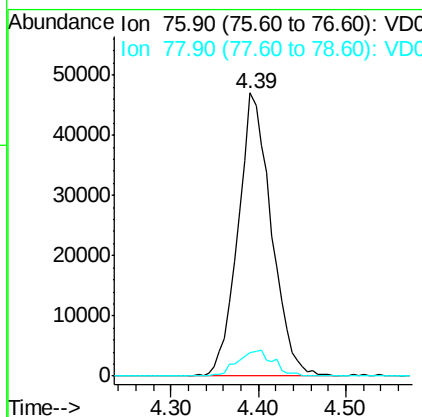
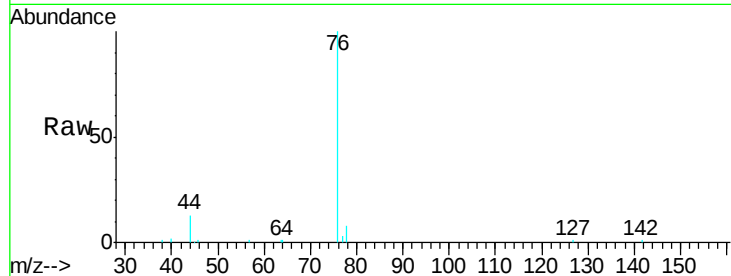
#17
Carbon Disulfide
Concen: 20.709 ug/l
RT: 4.39 min Scan# 420
Delta R.T. -0.02 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tgt Ion: 76 Resp: 121293
Ion Ratio Lower Upper
76 100
78 8.3 8.1 12.1

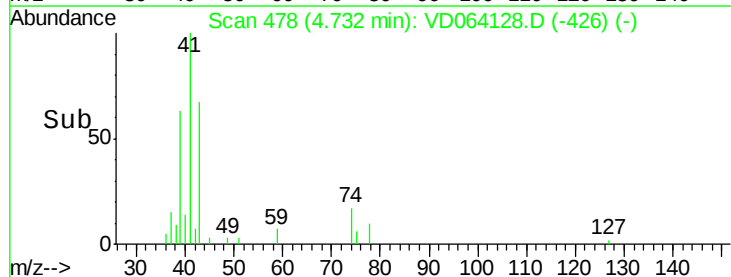
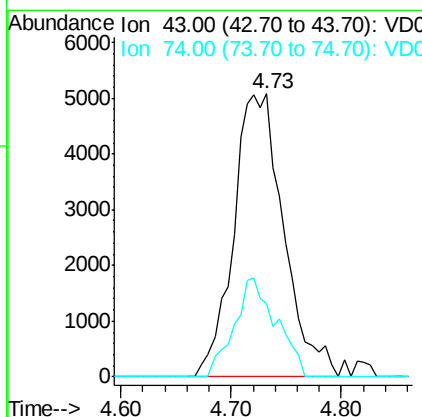
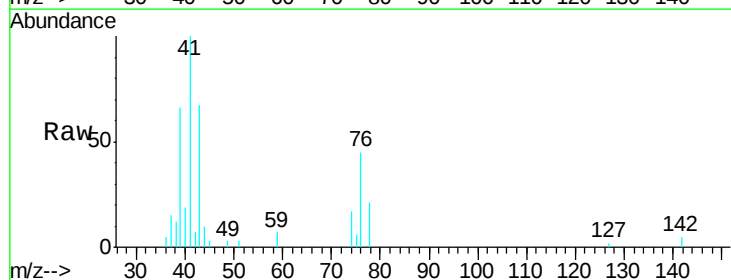
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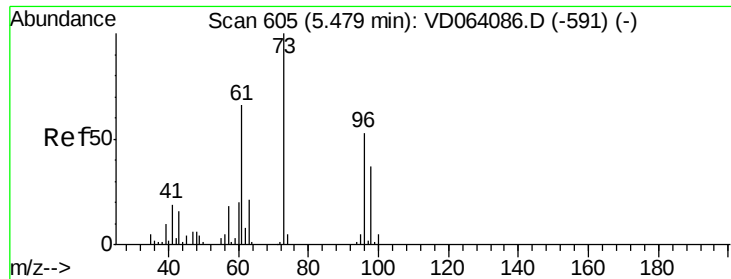
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#18
Methyl Acetate
Concen: 18.245 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 43 Resp: 16136
Ion Ratio Lower Upper
43 100
74 29.4 22.2 33.4





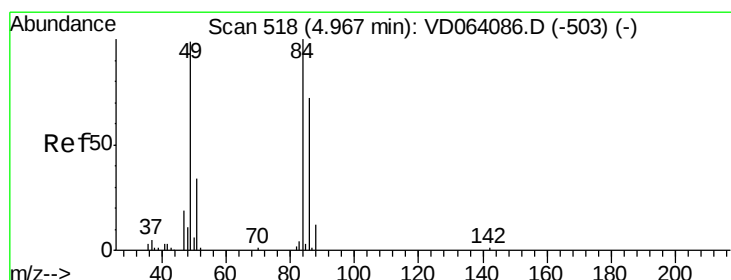
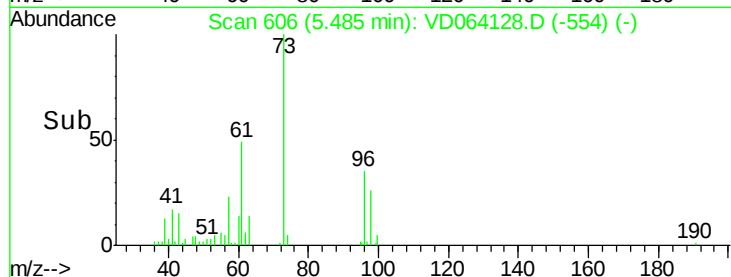
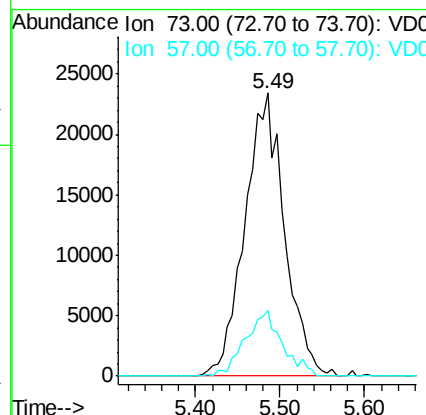
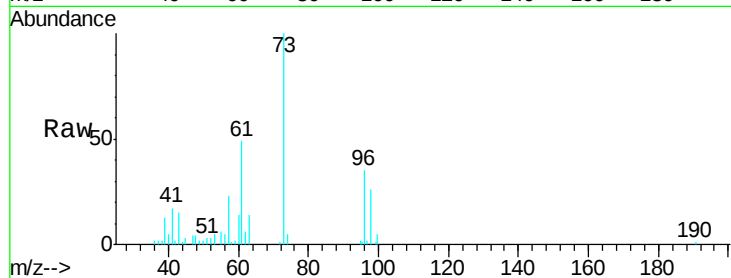
#19
Methyl tert-butyl Ether
Concen: 19.689 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tgt Ion: 73 Resp: 76148
Ion Ratio Lower Upper
73 100
57 23.1 14.3 21.5#

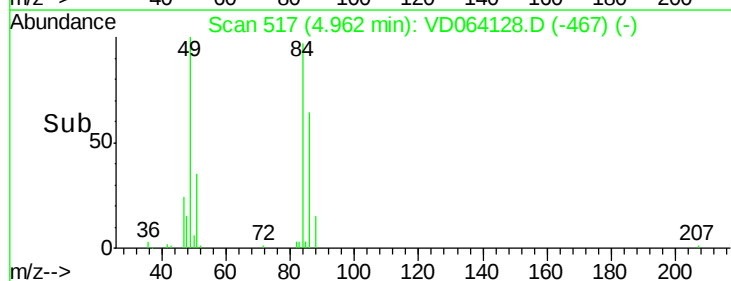
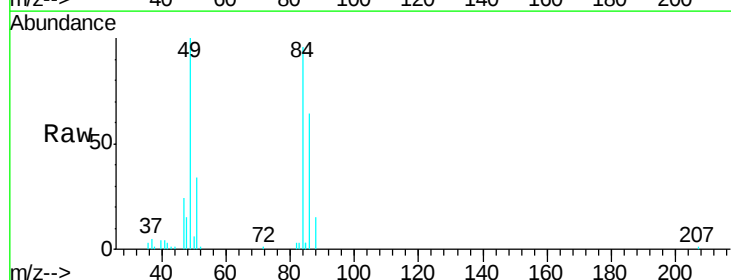
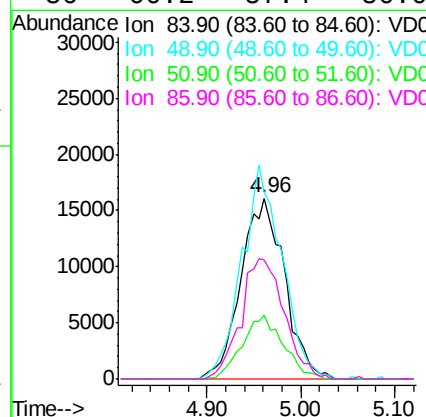
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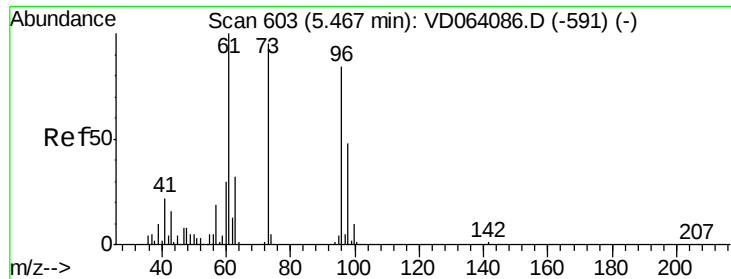
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#20
Methylene Chloride
Concen: 21.977 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 84 Resp: 51533
Ion Ratio Lower Upper
84 100
49 103.7 79.4 119.0
51 35.7 27.4 41.2
86 66.2 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 20.767 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

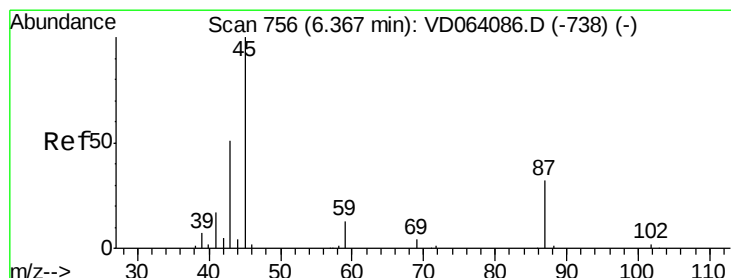
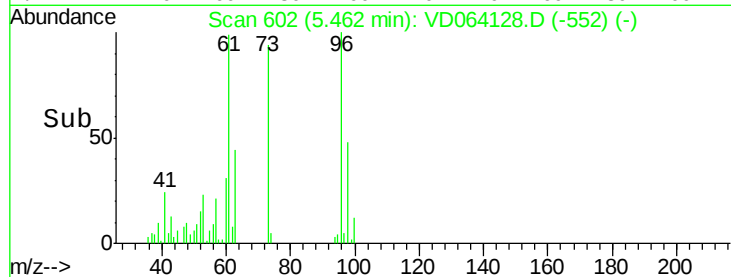
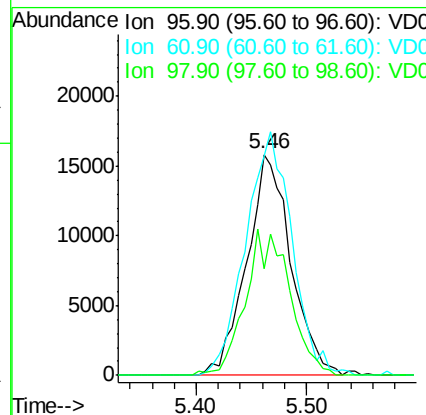
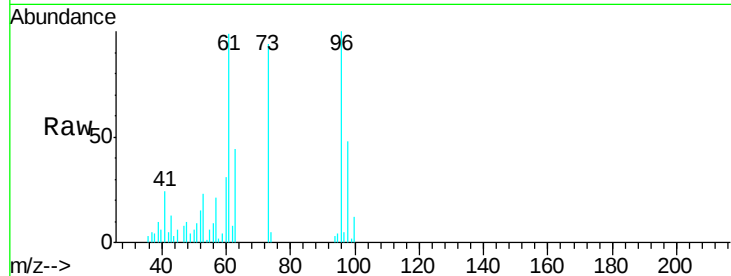
ClientSampleId :

VD1031SBS01

Tgt Ion:	96	Resp:	44431
Ion	Ratio	Lower	Upper
96	100		
61	99.3	95.0	142.6
98	48.3	45.8	68.8

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#22

Diisopropyl ether

Concen: 19.300 ug/l

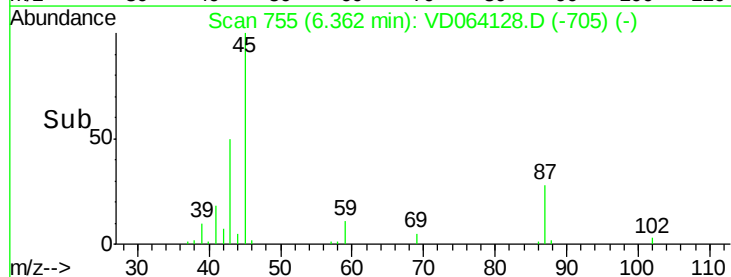
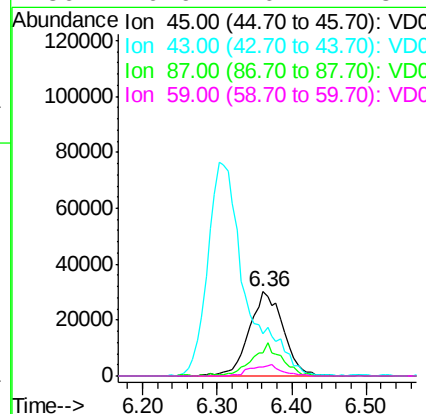
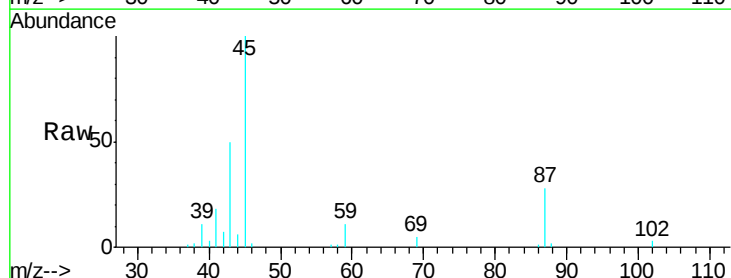
RT: 6.36 min Scan# 755

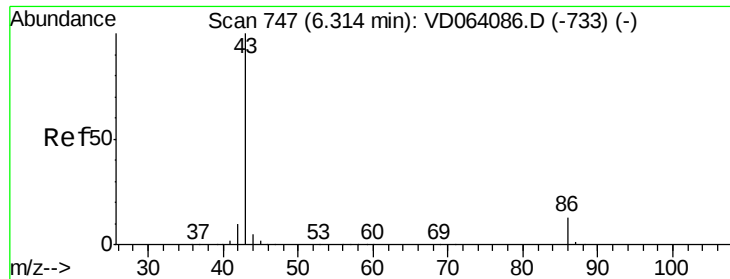
Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Tgt Ion:	45	Resp:	95354
Ion	Ratio	Lower	Upper
45	100		
43	48.7	44.3	66.5
87	27.8	26.6	39.8
59	10.9	10.2	15.2





#23

Vinyl Acetate

Concen: 99.059 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tgt Ion: 43 Resp: 268262

Ion Ratio Lower Upper

43 100

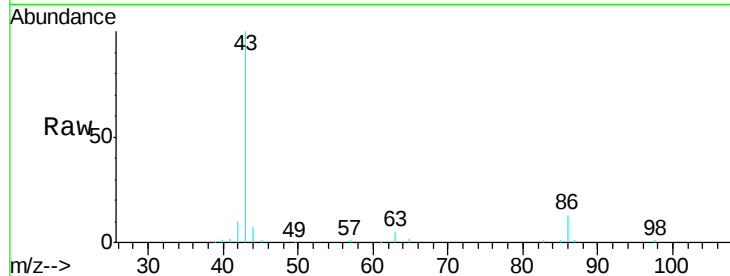
86 12.9 10.7 16.1

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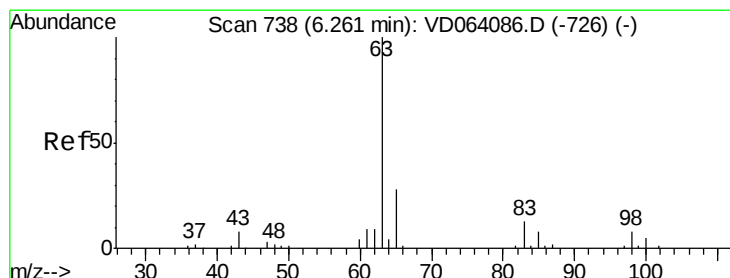
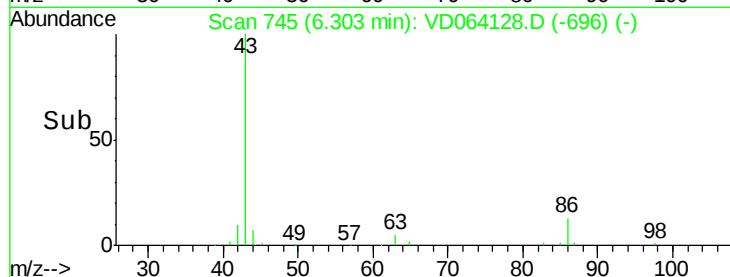
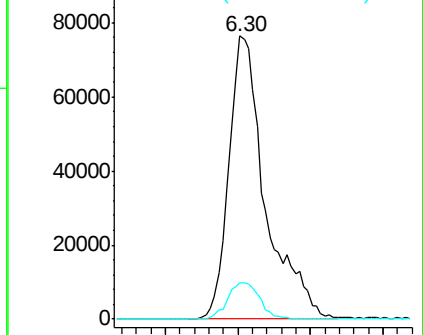
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.377 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

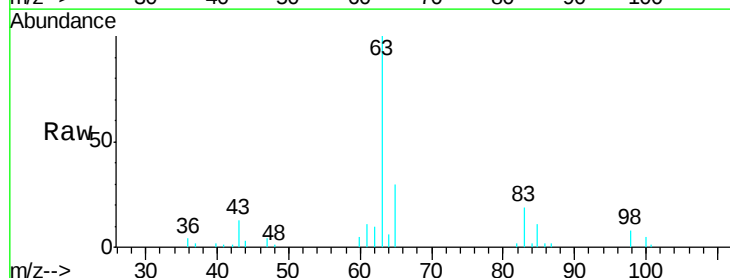
Tgt Ion: 63 Resp: 67981

Ion Ratio Lower Upper

63 100

98 7.9 4.0 11.9

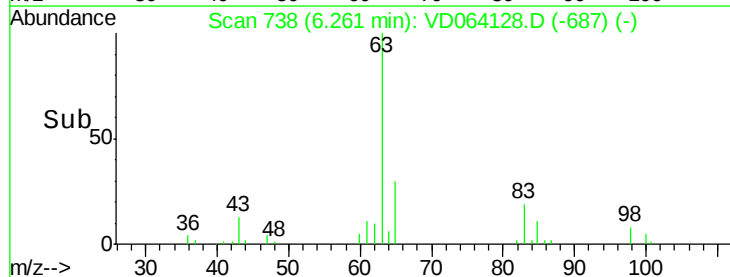
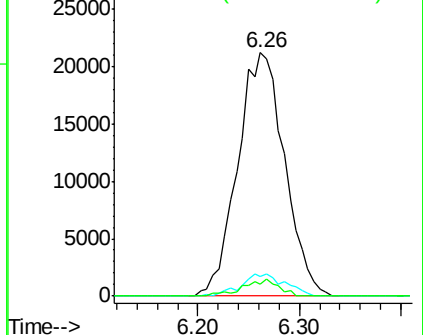
100 5.0 2.6 7.8

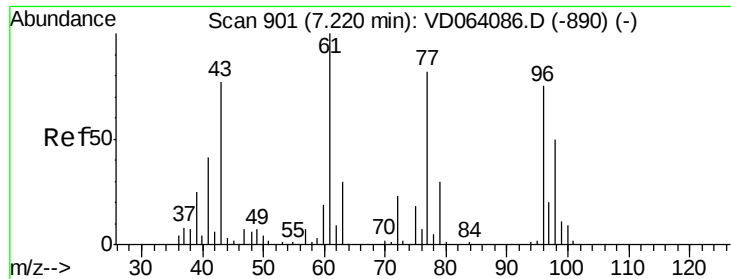


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 94.823 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tgt Ion: 43 Resp: 43585

Ion Ratio Lower Upper

43 100

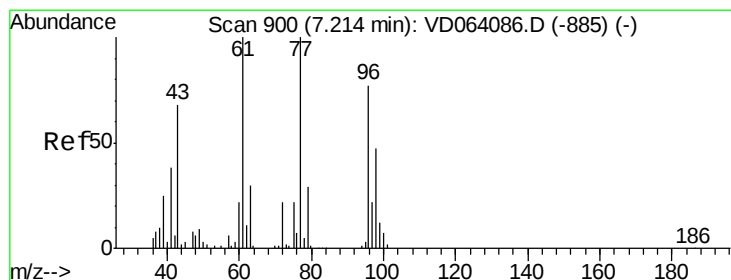
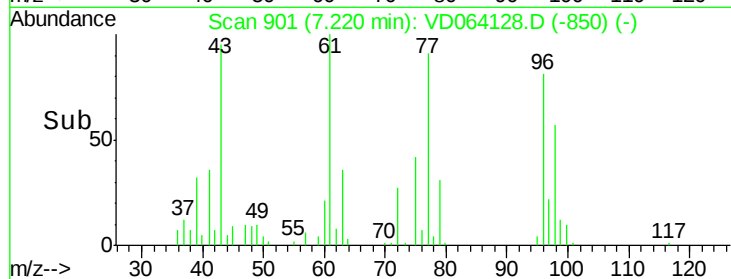
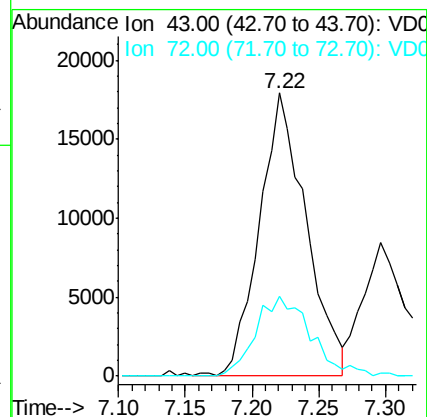
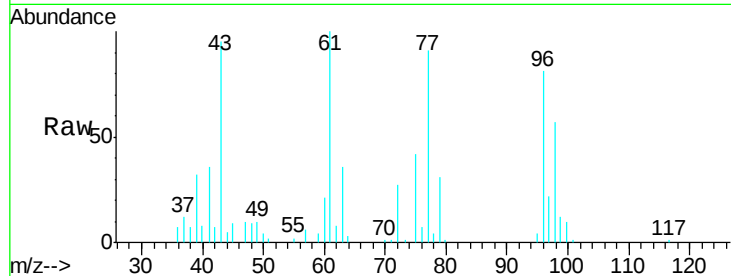
72 28.3 23.4 35.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.600 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064128.D

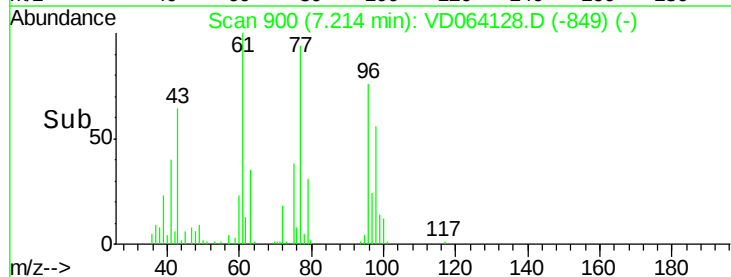
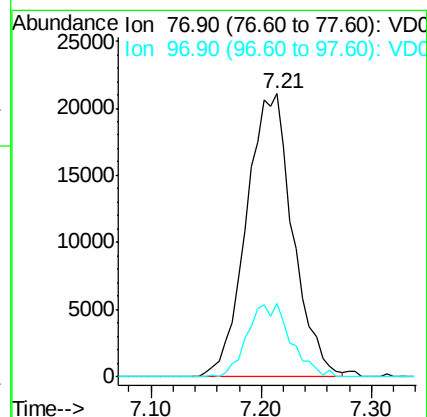
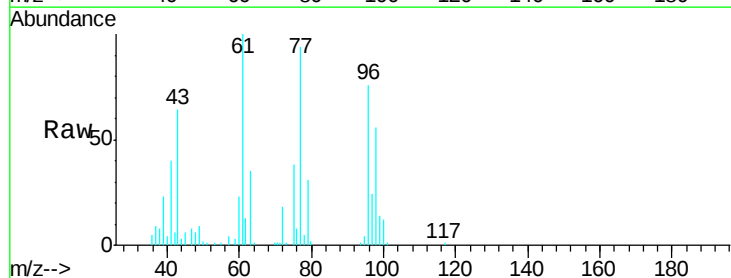
Acq: 31 Oct 2019 13:03

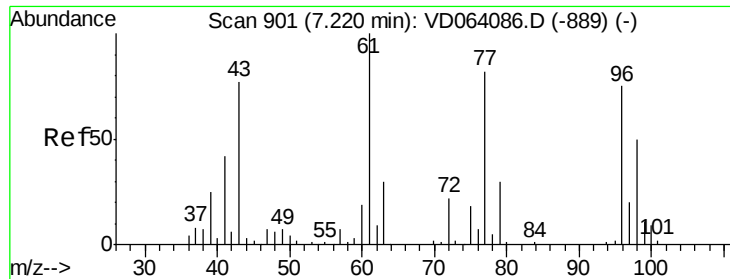
Tgt Ion: 77 Resp: 62063

Ion Ratio Lower Upper

77 100

97 24.1 11.2 33.5





#27

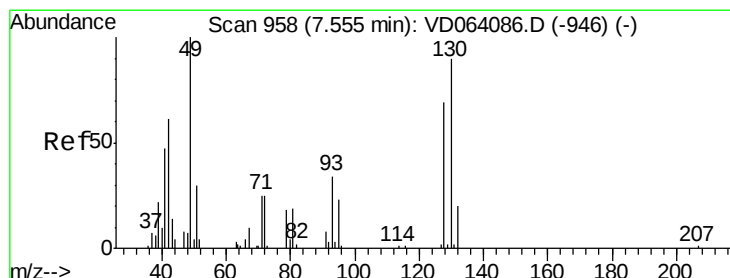
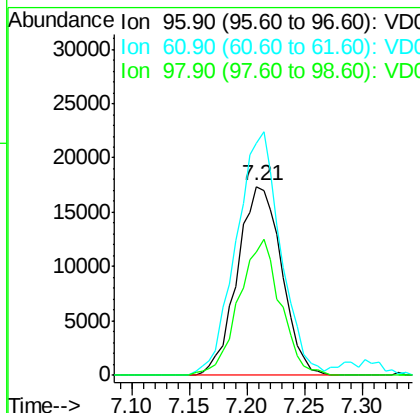
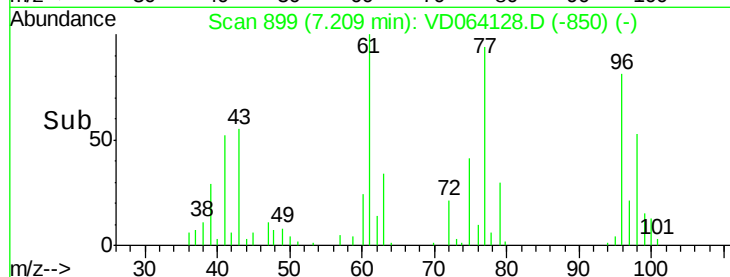
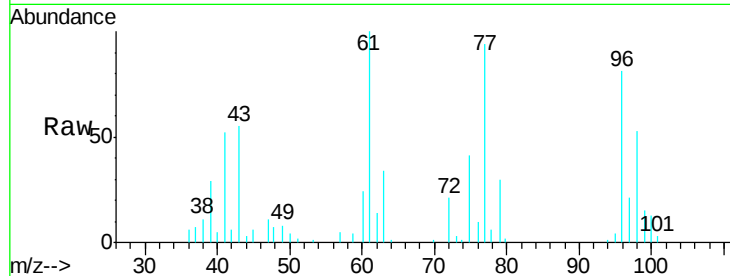
cis-1,2-Dichloroethene
Concen: 19.398 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.9	0.0	258.0
98	67.2	0.0	130.8

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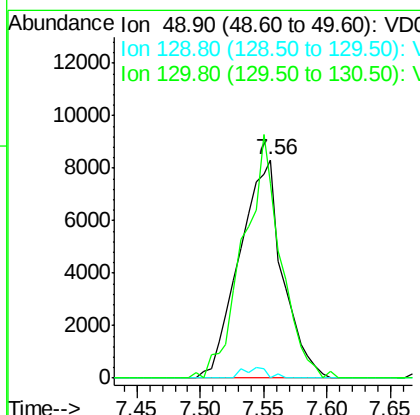
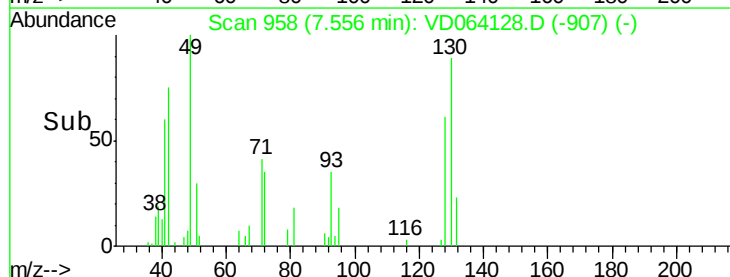
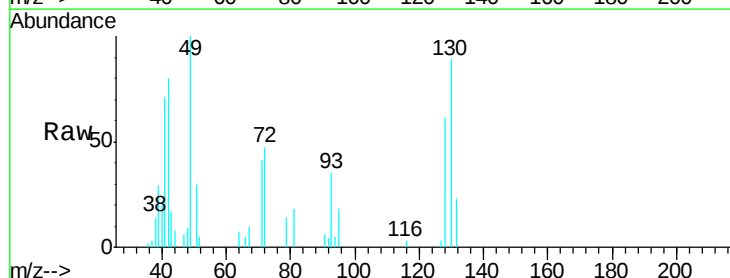
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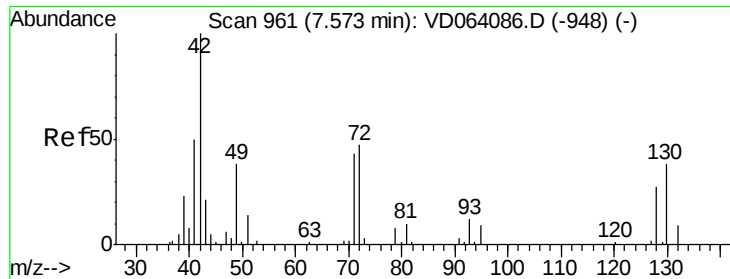


#28

Bromochloromethane
Concen: 16.739 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	5.4
130	97.1	75.3	112.9





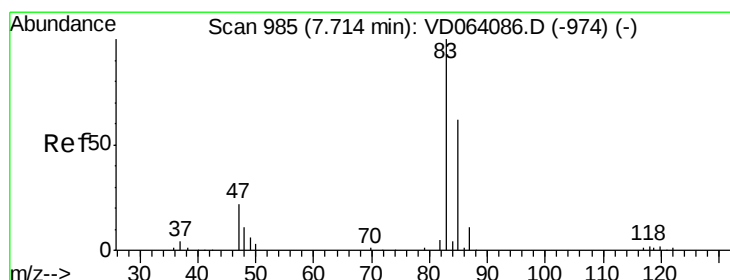
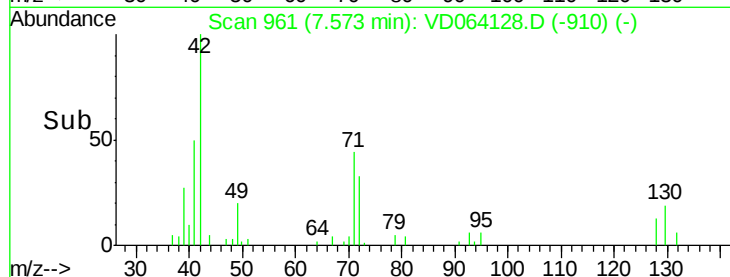
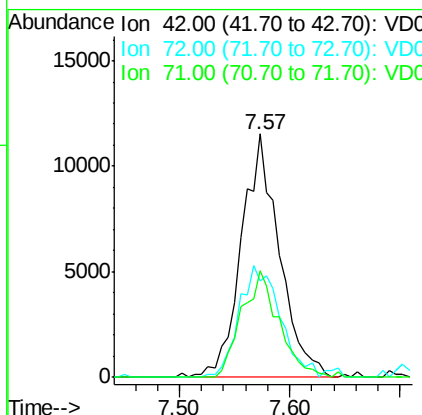
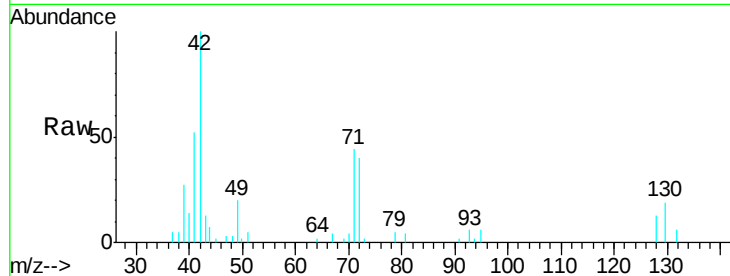
#29
Tetrahydrofuran
Concen: 103.691 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	49.6	38.9	58.3
71	43.1	35.4	53.2

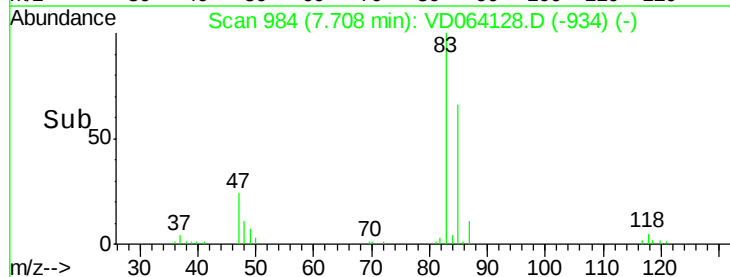
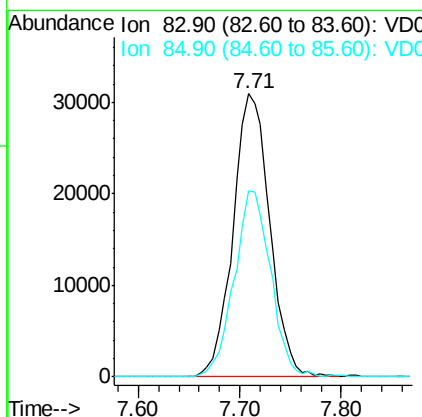
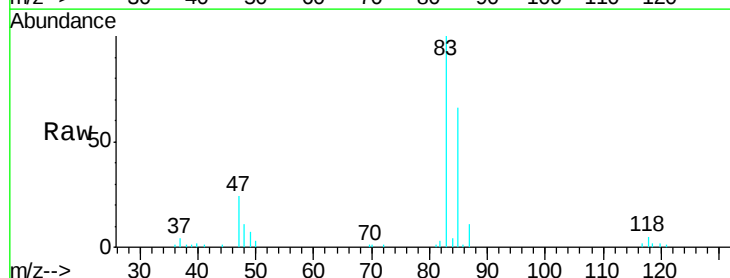
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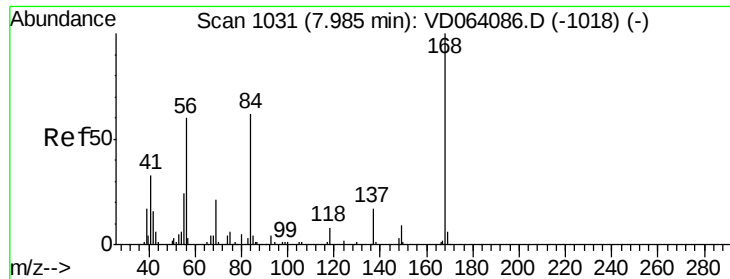
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#30
Chloroform
Concen: 20.351 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.8	74.6





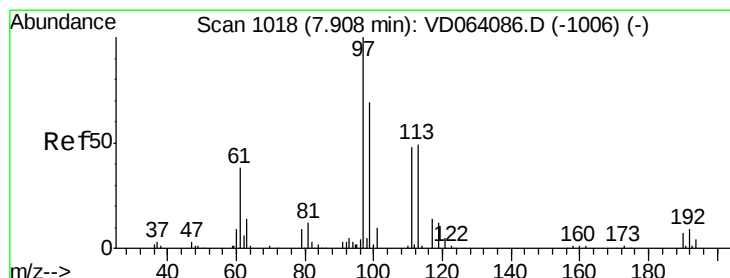
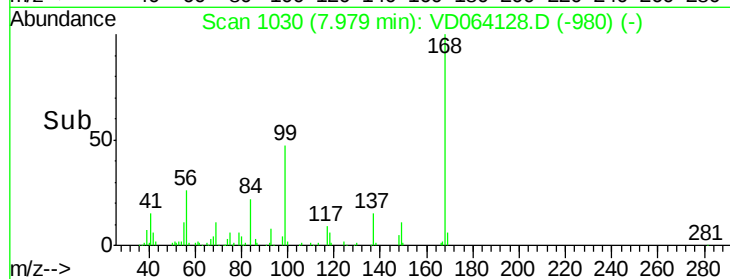
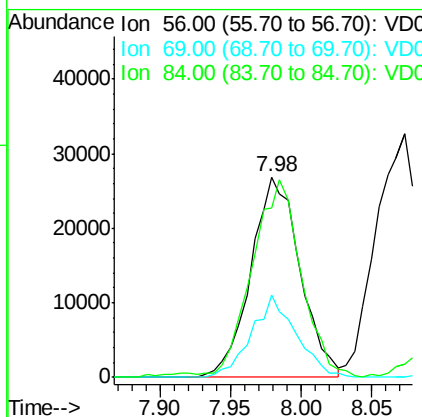
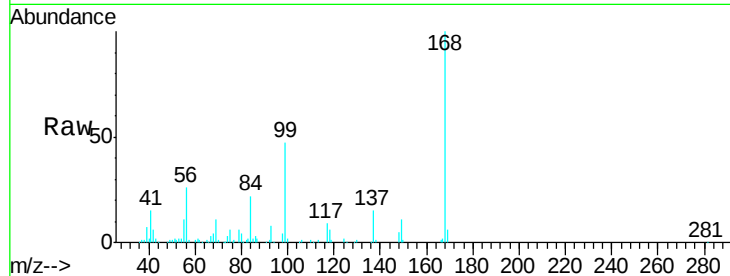
#31
Cyclohexane
Concen: 20.120 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	41.4	27.7	41.5
84	82.8	83.1	124.7#

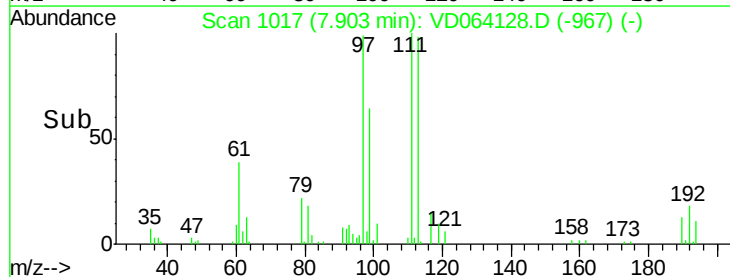
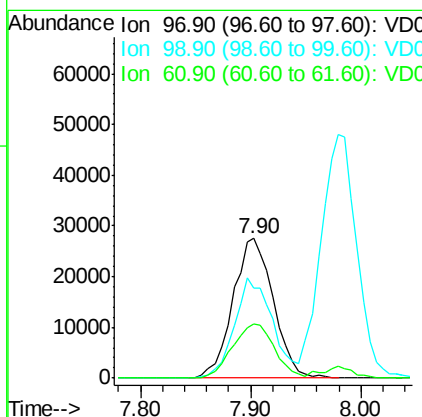
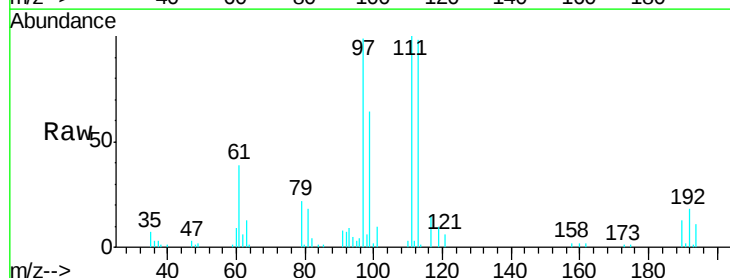
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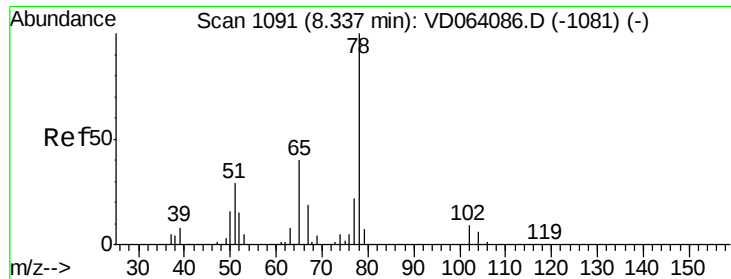
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#32
1,1,1-Trichloroethane
Concen: 19.878 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.1	53.7	80.5
61	40.1	31.8	47.6





#33

1,2-Dichloroethane-d4

Concen: 50.736 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tgt Ion: 65 Resp: 88659

Ion Ratio Lower Upper

65 100

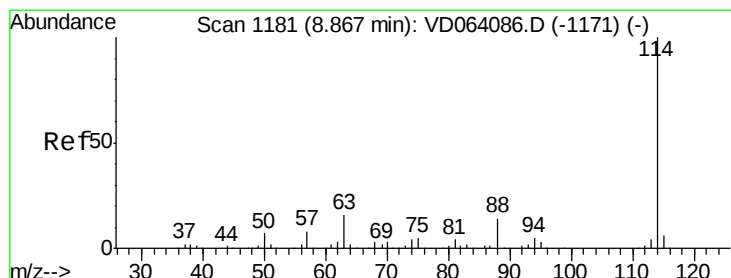
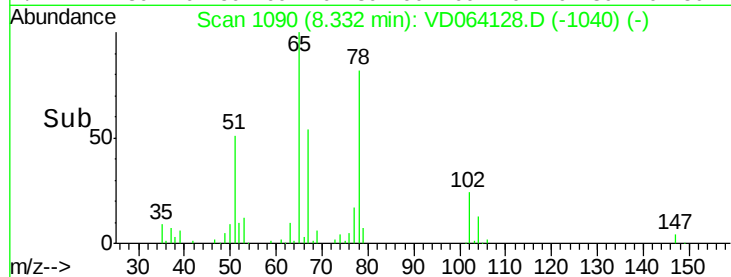
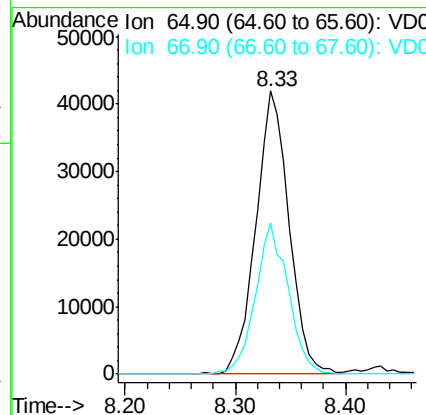
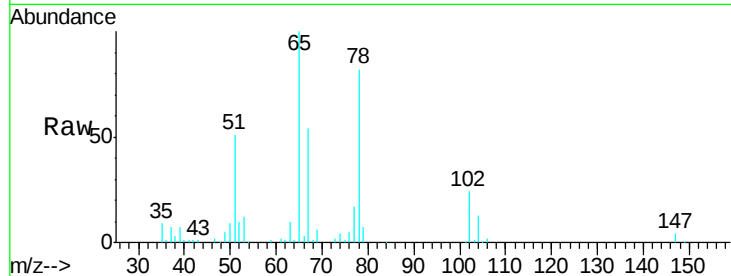
67 52.7 0.0 104.6

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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: VD064128.D

Acq: 31 Oct 2019 13:03

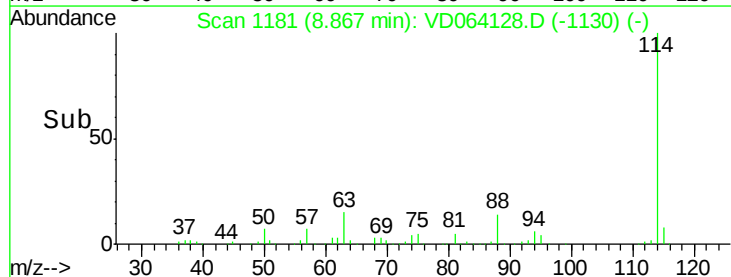
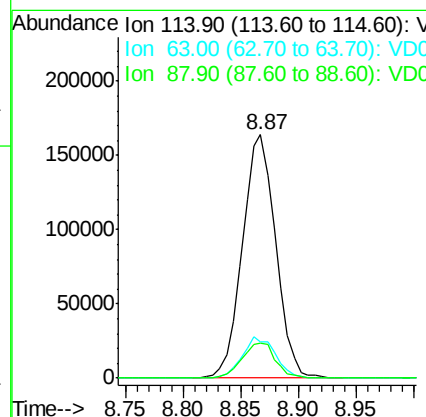
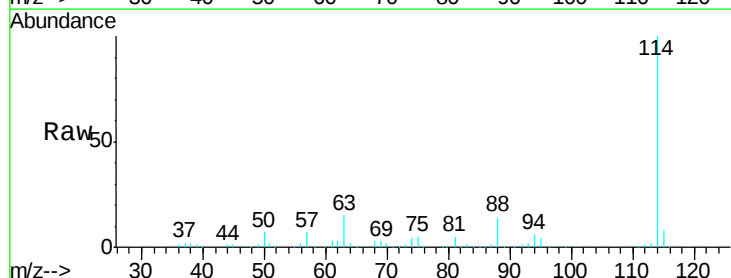
Tgt Ion: 114 Resp: 328487

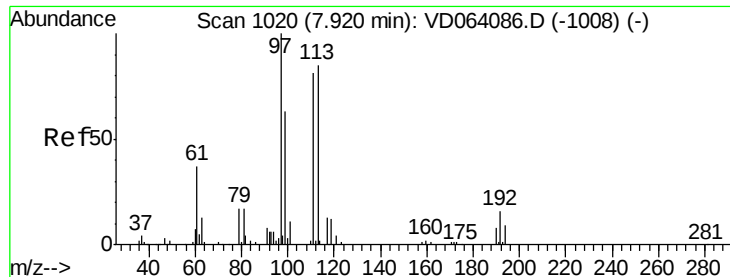
Ion Ratio Lower Upper

114 100

63 14.9 0.0 32.8

88 14.2 0.0 27.6





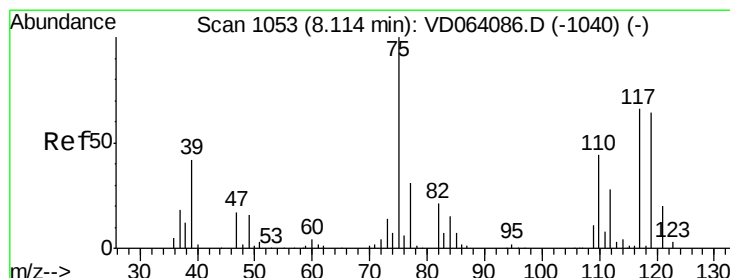
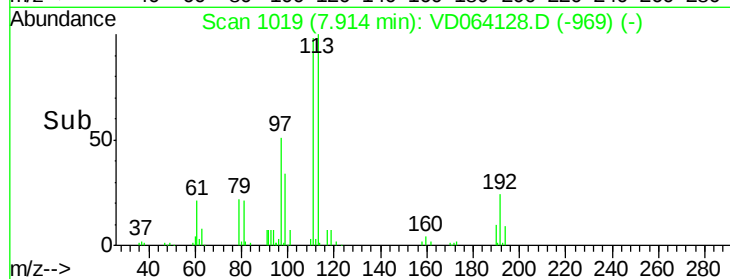
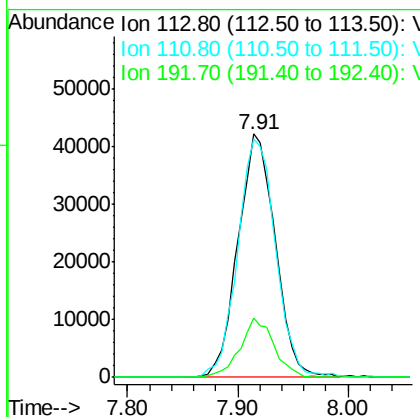
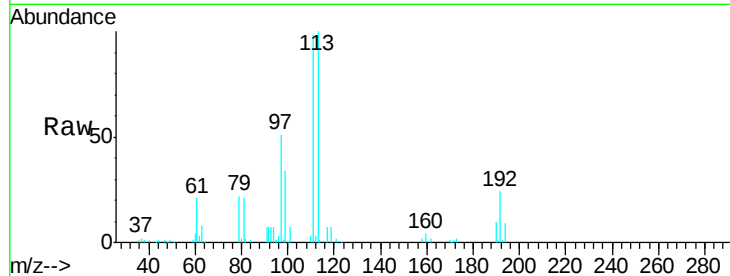
#35
Dibromofluoromethane
Concen: 49.732 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	100505		
111	99.5	79.3	118.9	
192	22.3	16.2	24.2	

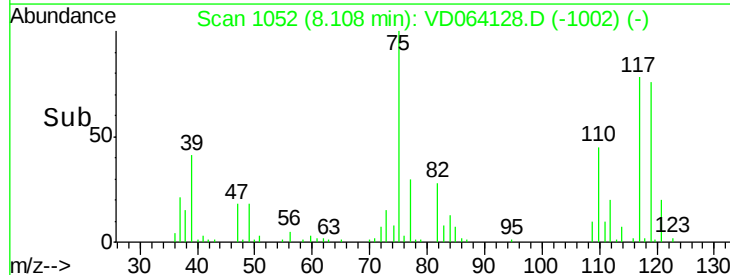
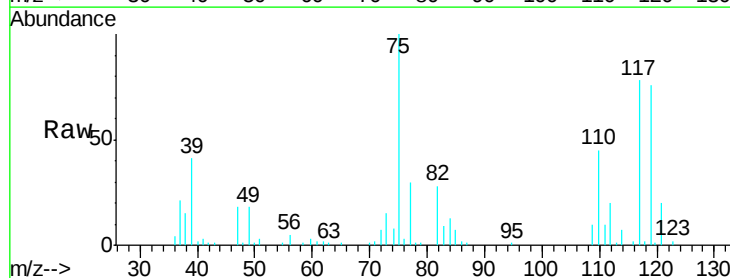
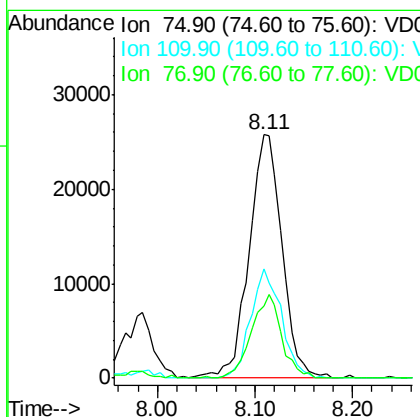
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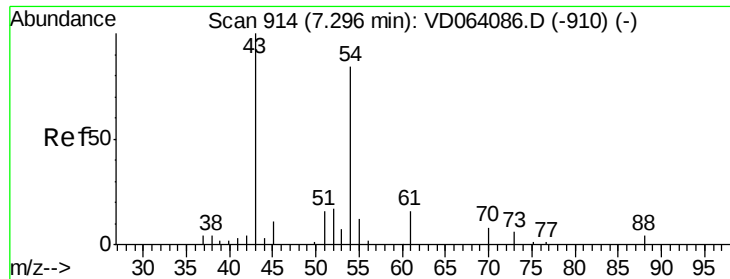
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#36
1,1-Dichloropropene
Concen: 19.833 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	61045		
110	42.0	20.0	59.9	
77	31.5	24.7	37.1	





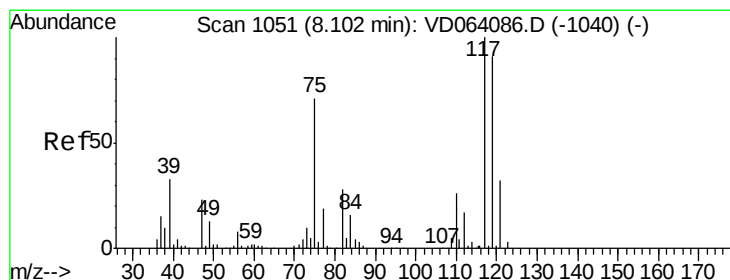
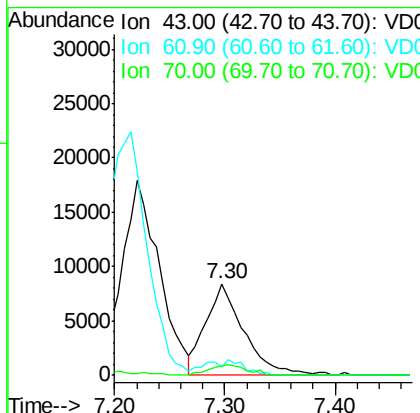
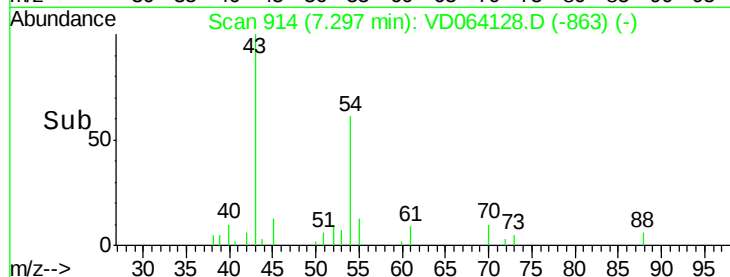
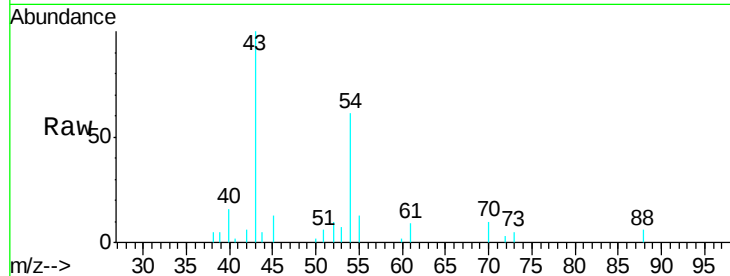
#37
Ethyl Acetate
Concen: 21.367 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tgt Ion: 43 Resp: 20243
Ion Ratio Lower Upper
43 100
61 8.9 12.0 18.0#
70 10.9 3.8 5.6#

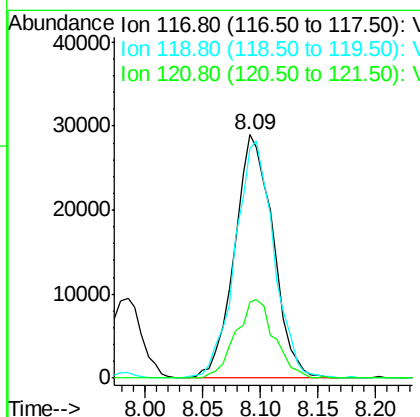
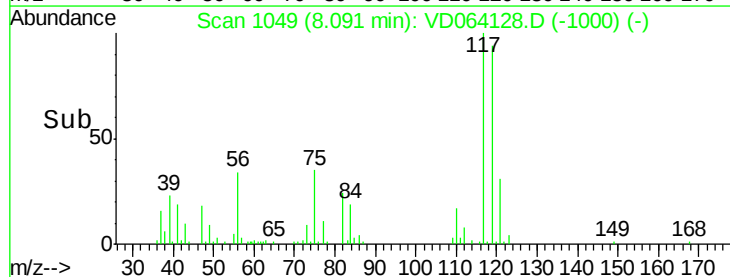
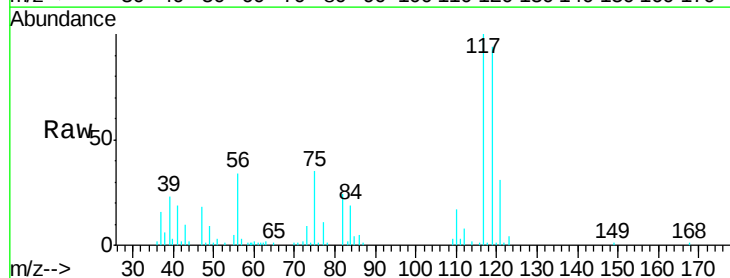
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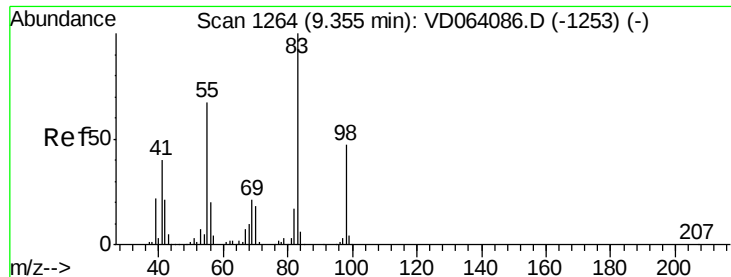
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#38
Carbon Tetrachloride
Concen: 20.039 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 117 Resp: 67296
Ion Ratio Lower Upper
117 100
119 94.2 72.6 108.8
121 31.1 25.8 38.6





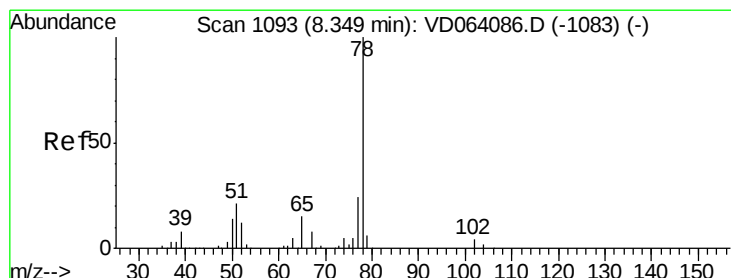
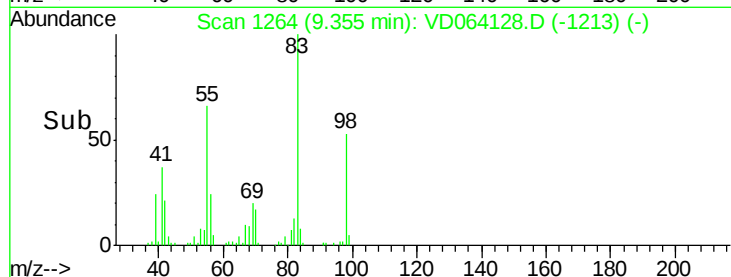
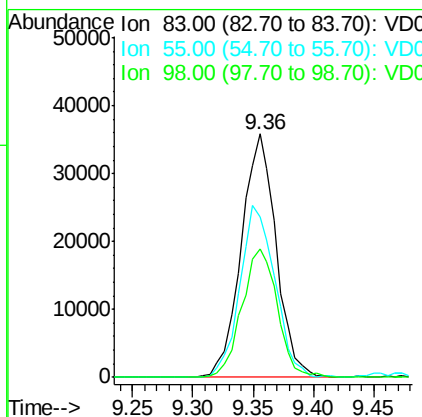
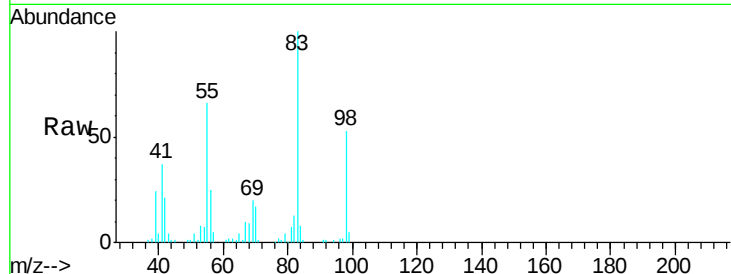
#39
Methylcyclohexane
Concen: 19.113 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	72219		
55	65.8		53.4	80.0
98	53.0		37.8	56.6

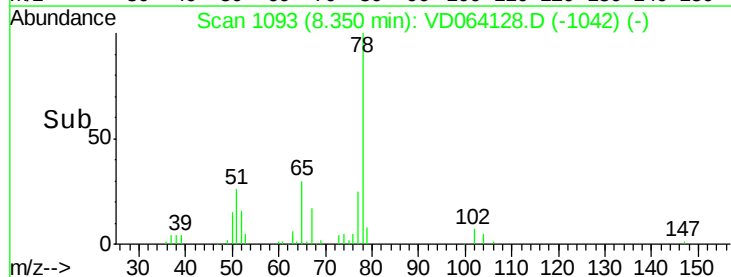
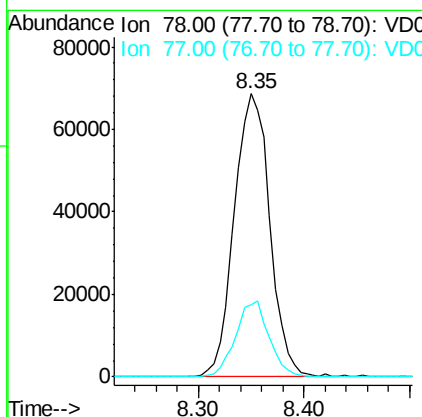
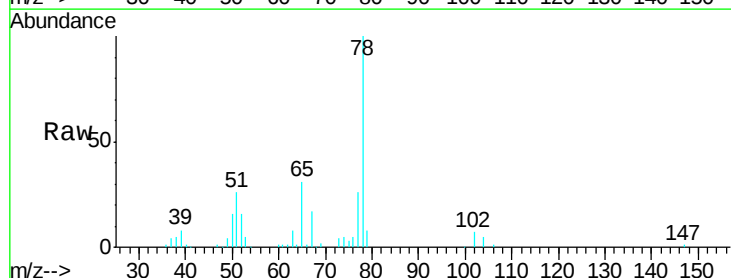
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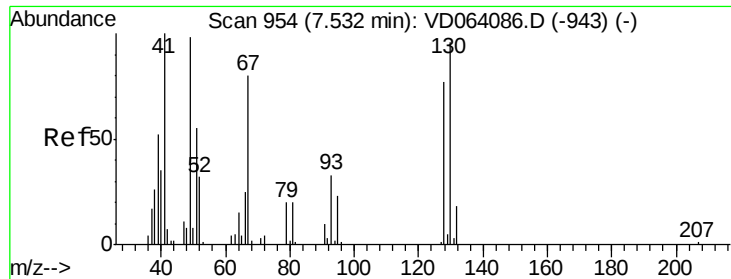
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#40
Benzene
Concen: 19.082 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	160167		
77	25.7		19.0	28.4





#41

Methacrylonitrile

Concen: 20.313 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tgt Ion: 41 Resp: 11106
Ion Ratio Lower Upper

41 100

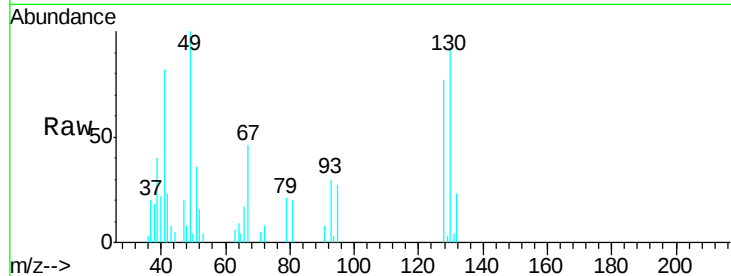
39 59.5 41.0 61.4

67 89.4 73.4 110.0

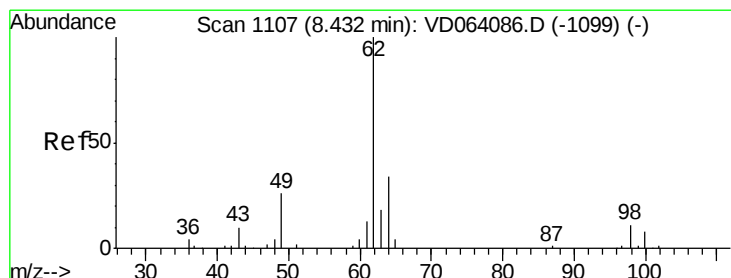
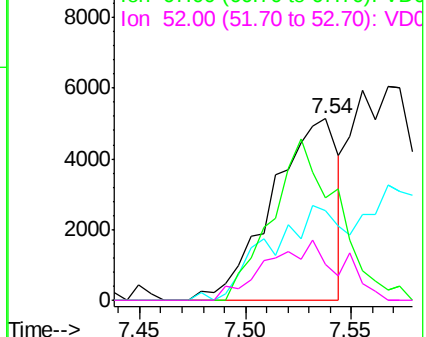
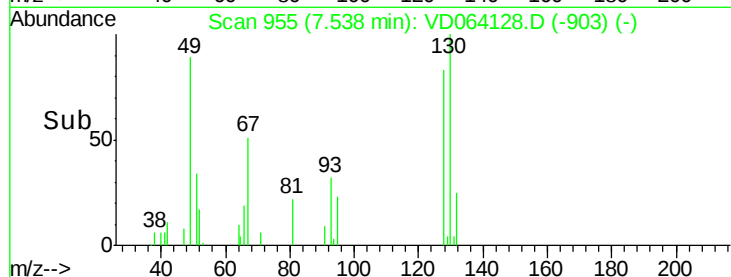
52 36.9 27.3 40.9

Manual Integrations
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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: 20.331 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

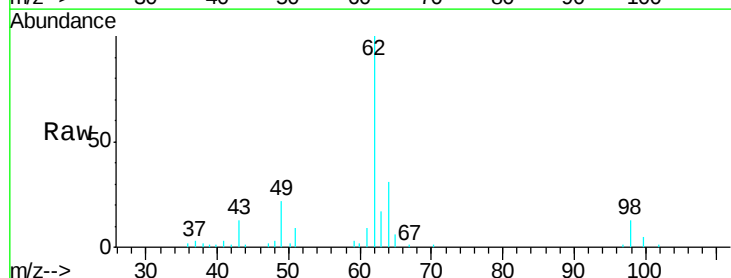
Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

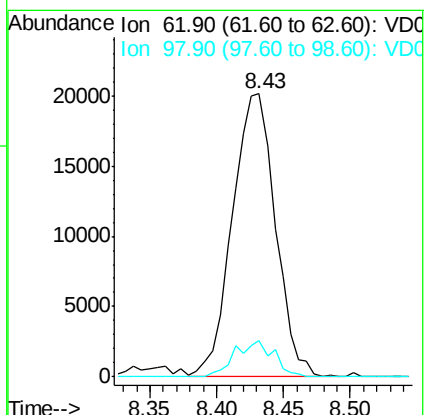
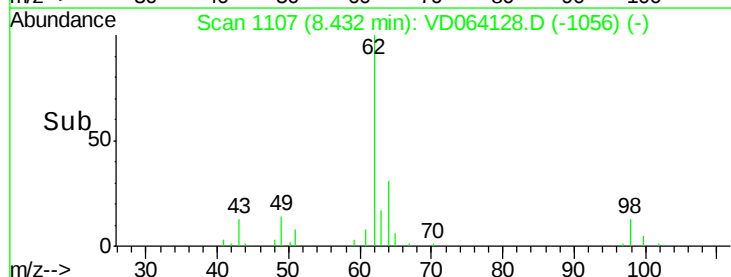
Tgt Ion: 62 Resp: 45078
Ion Ratio Lower Upper

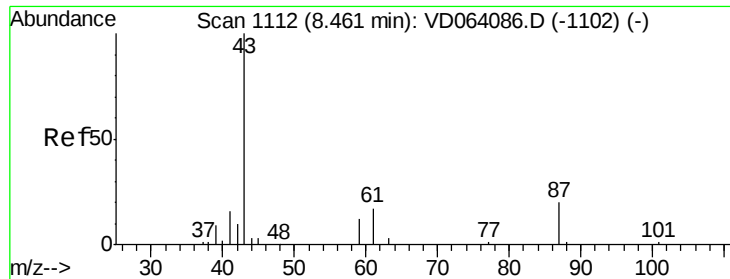
62 100

98 11.7 0.0 21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





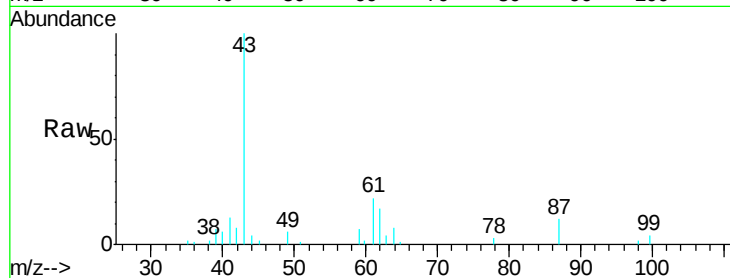
#43
Isopropyl Acetate
Concen: 18.827 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

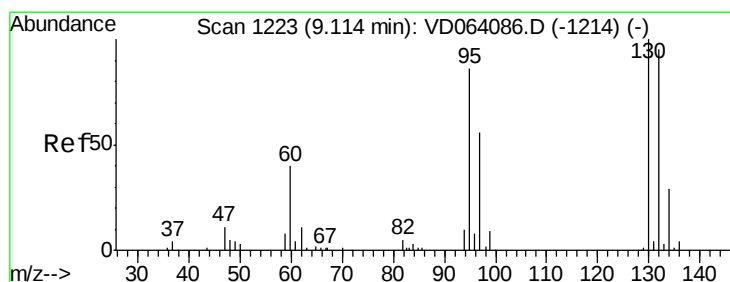
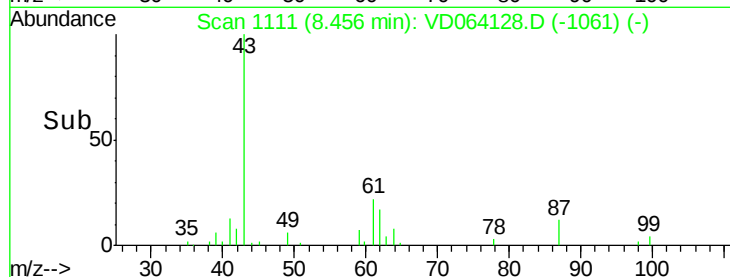
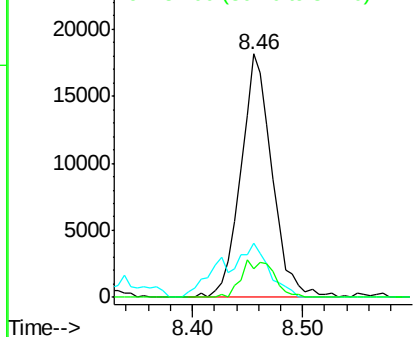
Tgt Ion	Ratio	Lower	Upper
43	100		
61	21.6	25.8	38.8#
87	15.8	13.0	19.4

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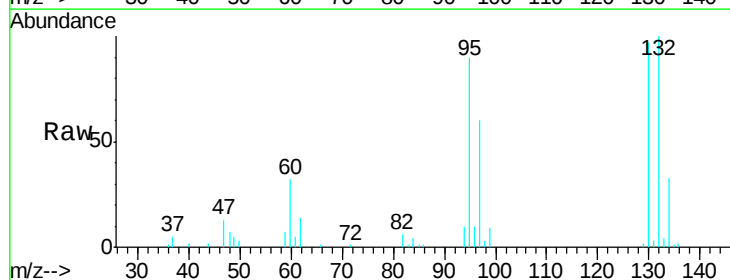


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

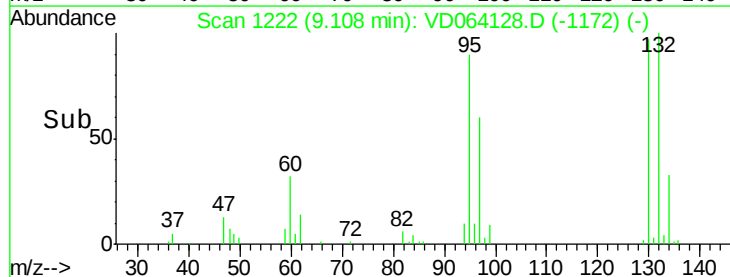
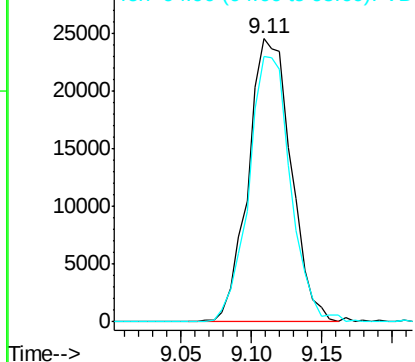


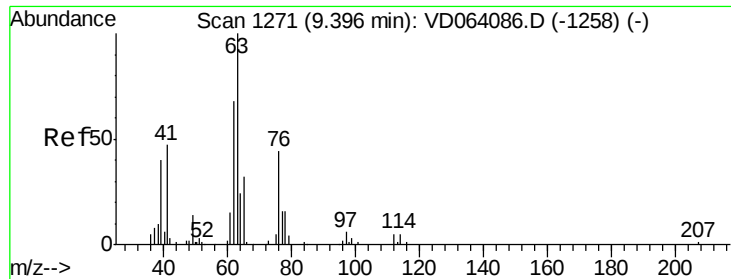
#44
Trichloroethene
Concen: 20.521 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.6	0.0	173.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 19.553 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tgt Ion: 63 Resp: 38035

Ion Ratio Lower Upper

63 100

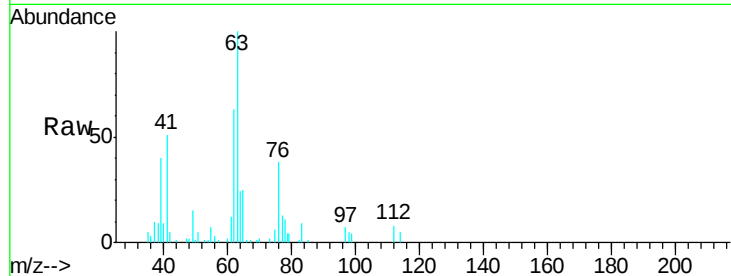
65 25.0 25.8 38.8#

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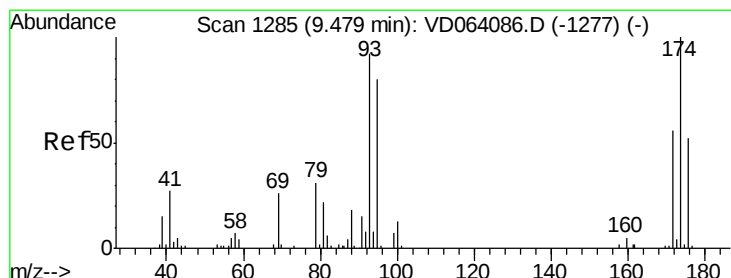
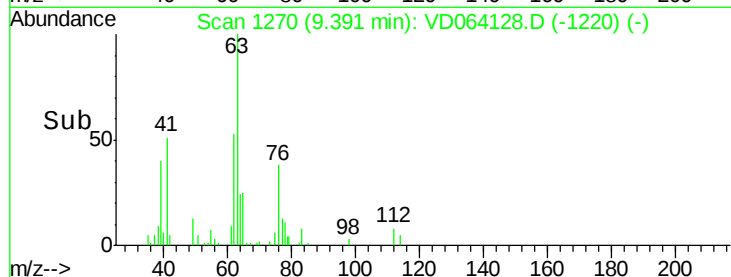
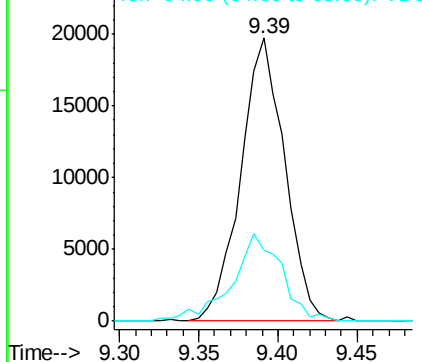
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.585 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

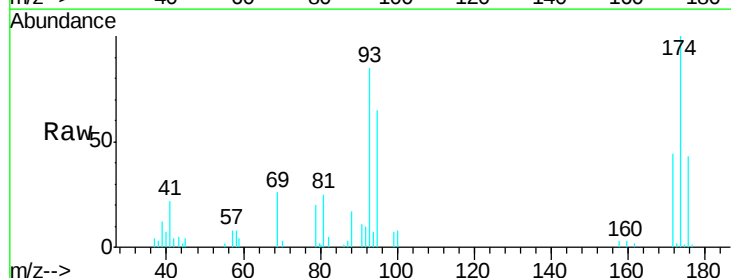
Tgt Ion: 93 Resp: 22945

Ion Ratio Lower Upper

93 100

95 84.2 67.4 101.2

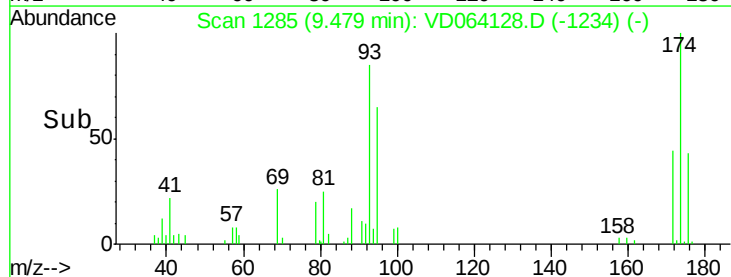
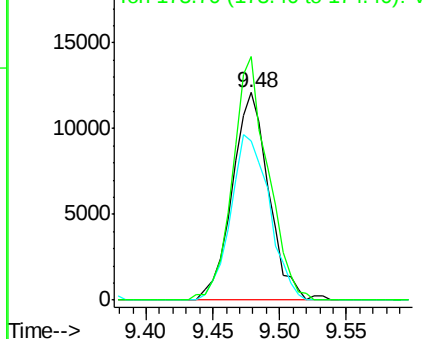
174 113.5 86.4 129.6

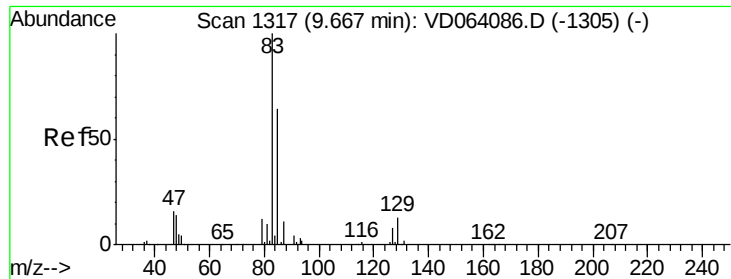


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





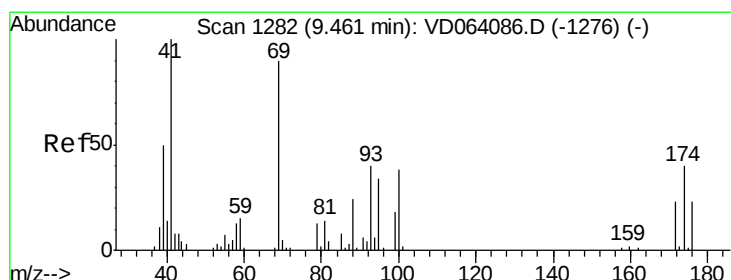
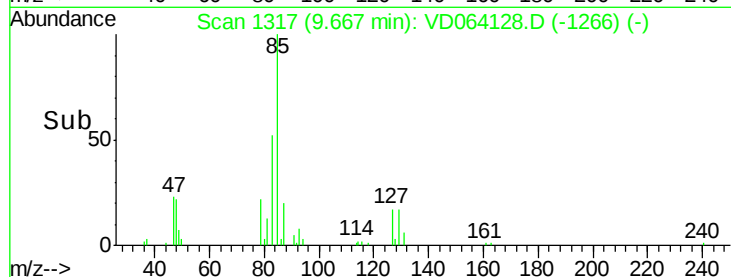
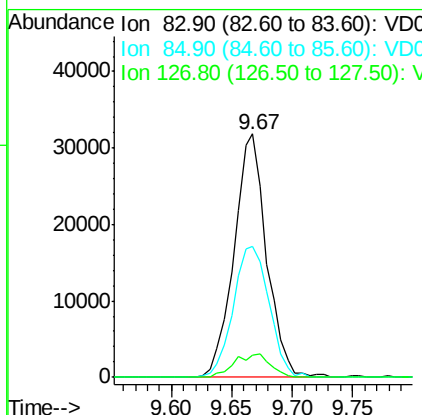
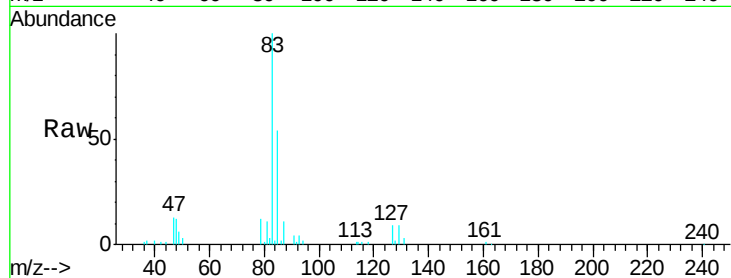
#47
Bromodichloromethane
Concen: 20.276 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tgt Ion: 83 Resp: 59926
Ion Ratio Lower Upper
83 100
85 53.9 51.4 77.0
127 8.9 6.7 10.1

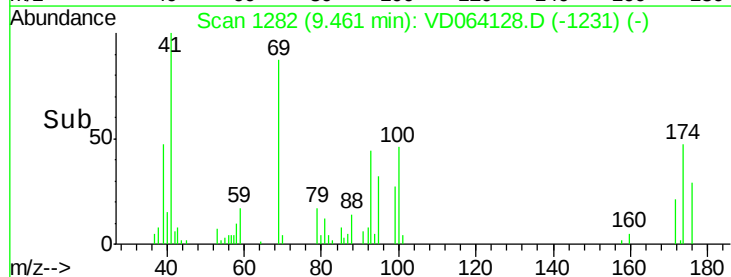
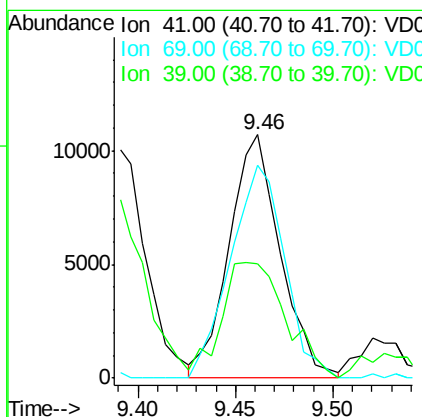
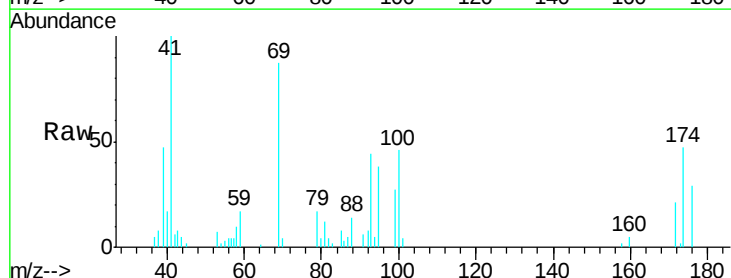
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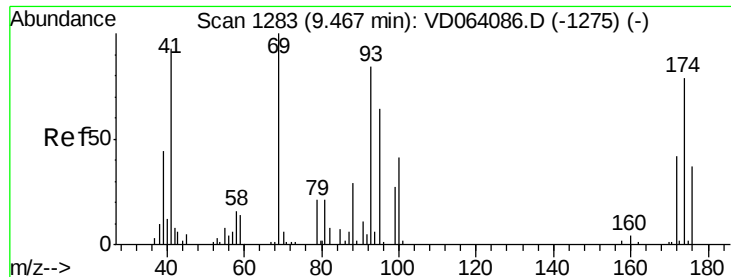
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#48
Methyl methacrylate
Concen: 21.948 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 41 Resp: 19433
Ion Ratio Lower Upper
41 100
69 92.8 82.6 124.0
39 59.9 47.0 70.4





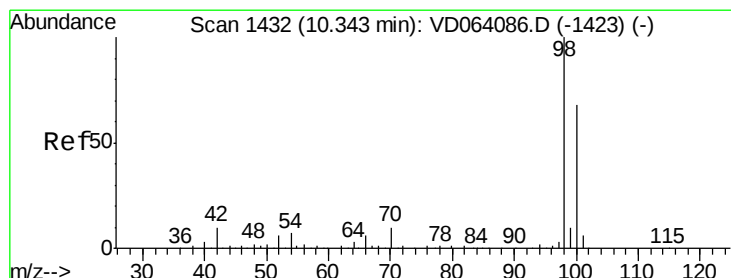
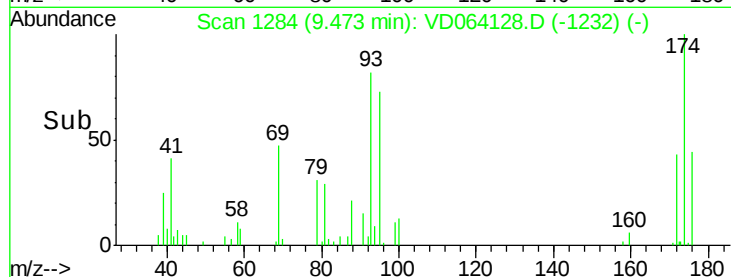
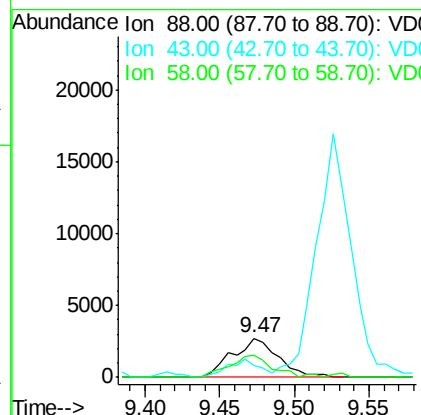
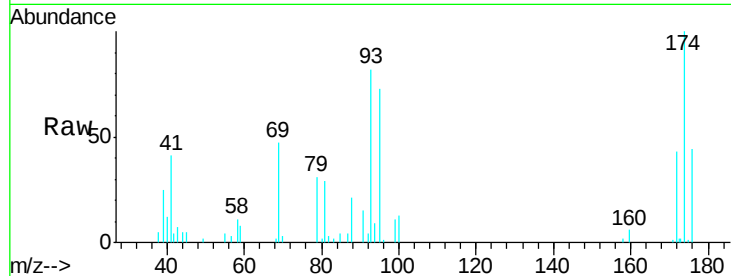
#49
1,4-Dioxane
Concen: 429.445 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tgt Ion: 88 Resp: 5759
Ion Ratio Lower Upper
88 100
43 32.7 13.4 20.0#
58 53.7 46.7 70.1

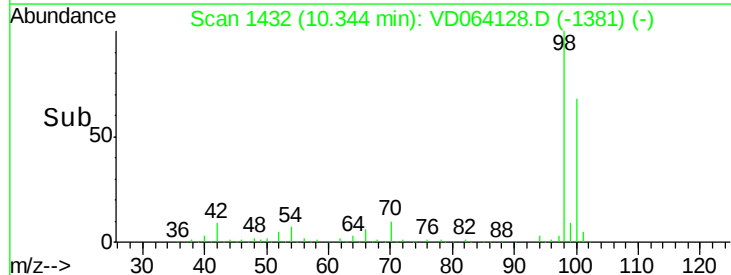
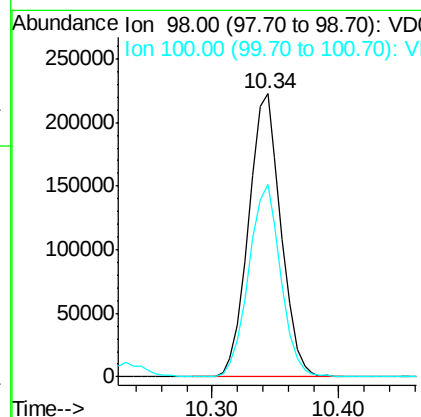
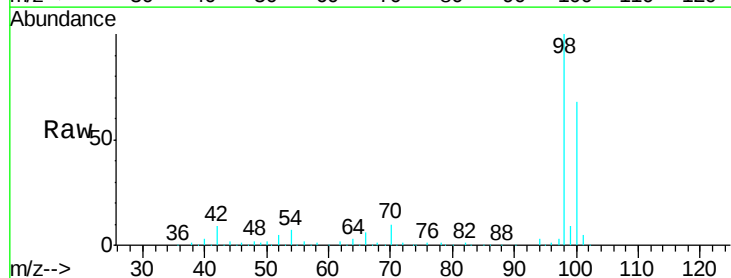
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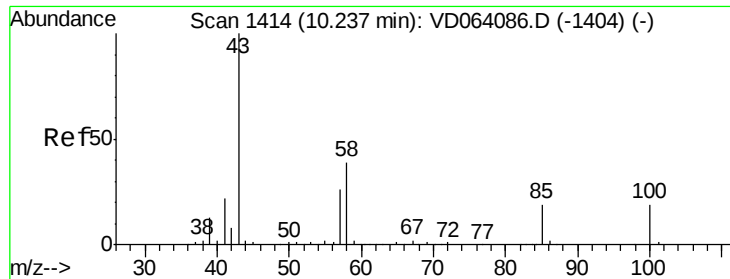
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#50
Toluene-d8
Concen: 48.895 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 98 Resp: 395171
Ion Ratio Lower Upper
98 100
100 67.3 53.4 80.0





#51

4-Methyl-2-Pentanone

Concen: 96.657 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tgt Ion: 43 Resp: 100751

Ion Ratio Lower Upper

43 100

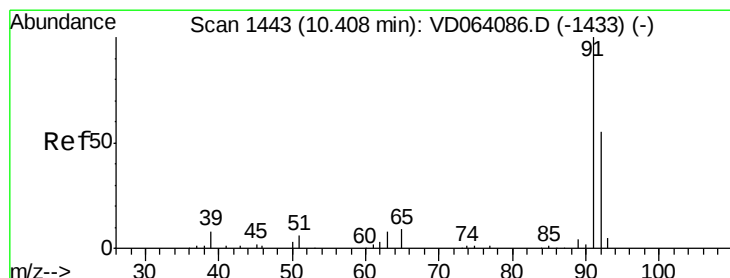
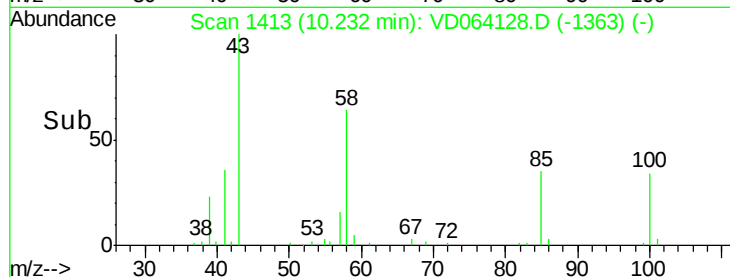
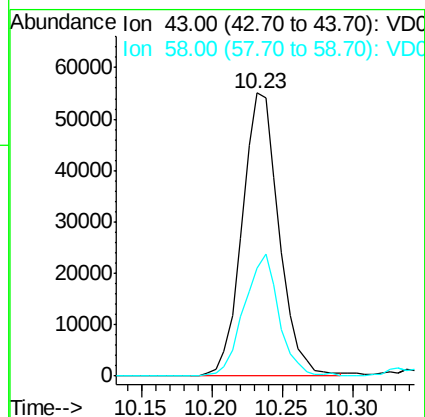
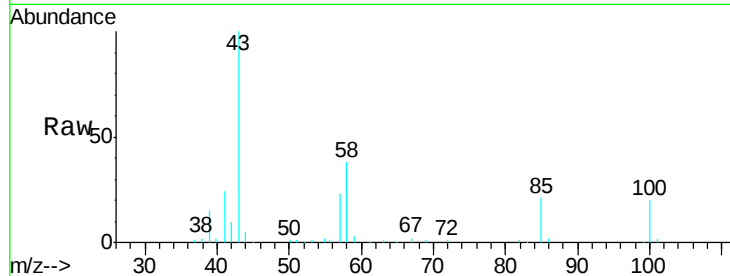
58 40.9 33.0 49.4

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#52

Toluene

Concen: 20.012 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064128.D

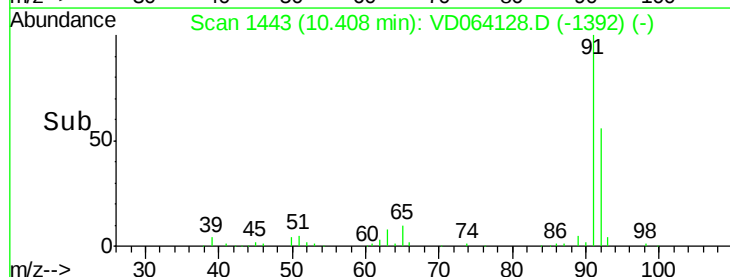
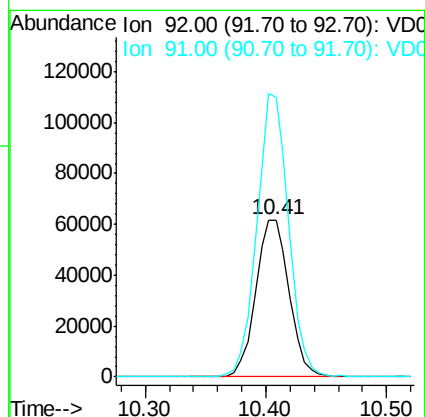
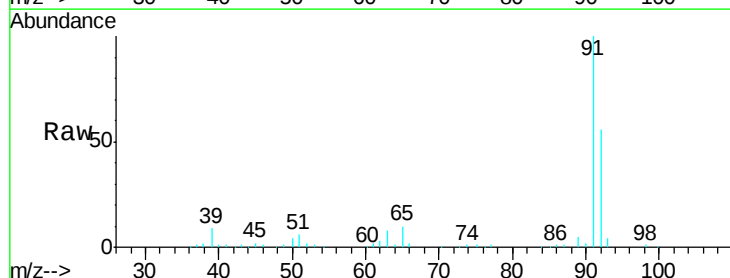
Acq: 31 Oct 2019 13:03

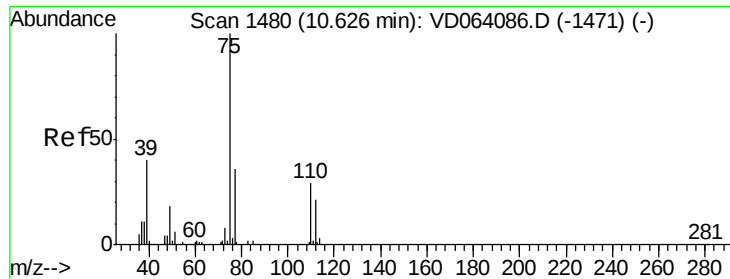
Tgt Ion: 92 Resp: 117715

Ion Ratio Lower Upper

92 100

91 171.6 140.7 211.1





#53

t-1,3-Dichloropropene

Concen: 19.404 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tgt Ion: 75 Resp: 53535

Ion Ratio Lower Upper

75 100

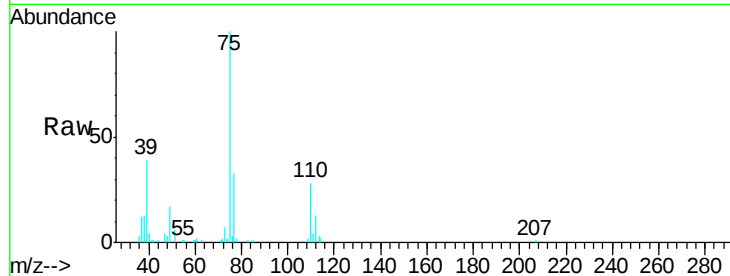
77 32.6 28.7 43.1

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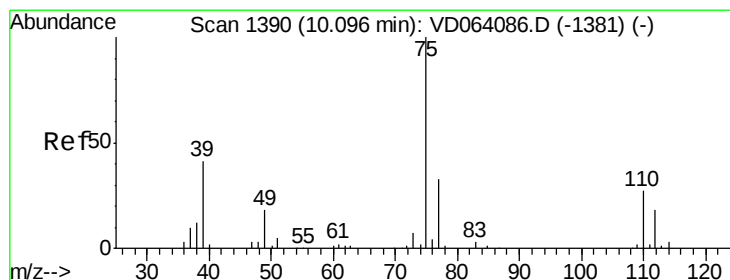
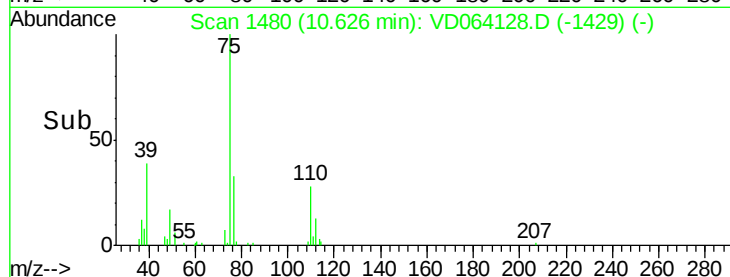
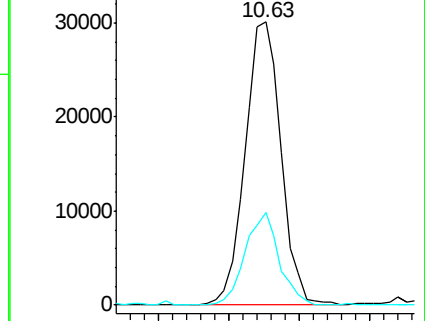
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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 19.212 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

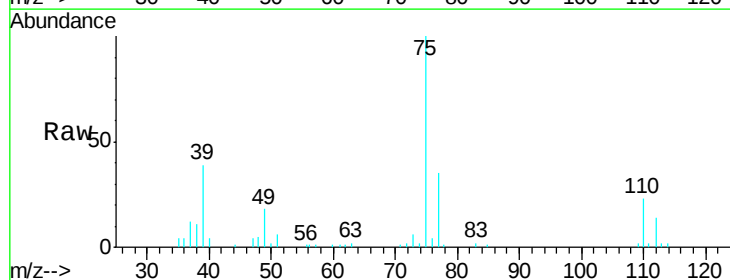
Tgt Ion: 75 Resp: 62358

Ion Ratio Lower Upper

75 100

77 34.8 26.8 40.2

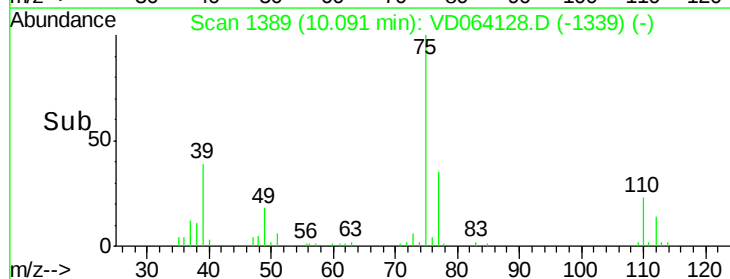
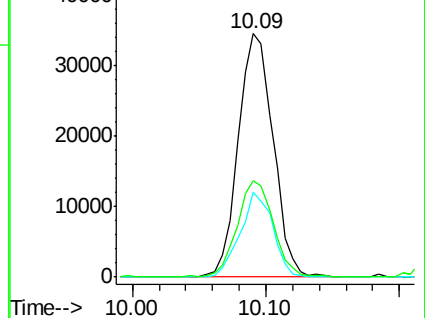
39 39.4 32.7 49.1

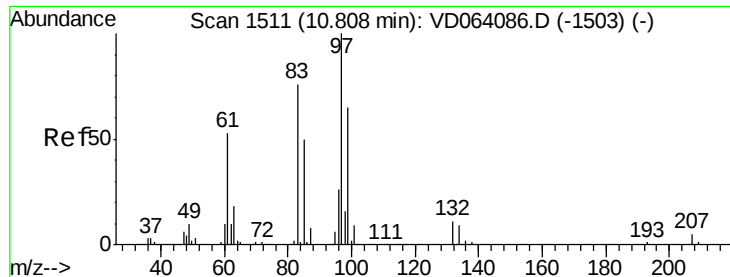


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





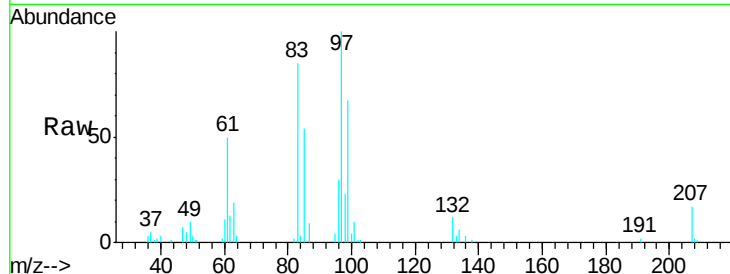
#55
 1,1,2-Trichloroethane
 Concen: 18.929 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

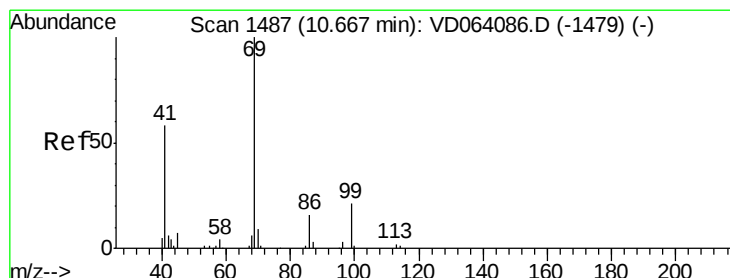
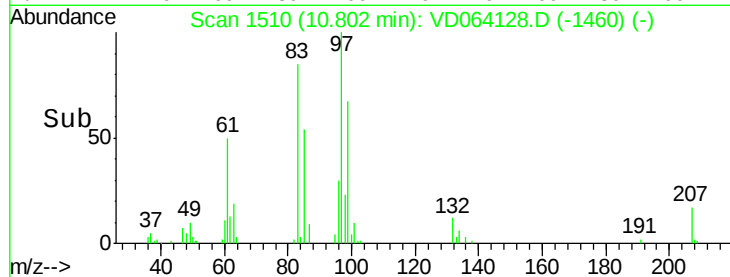
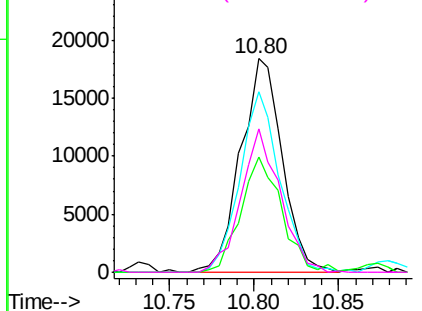
Tgt Ion	Ratio	Resp	Lower	Upper
97	100	31441		
83	84.6	60.9	91.3	
85	53.7	40.2	60.2	
99	67.0	51.9	77.9	

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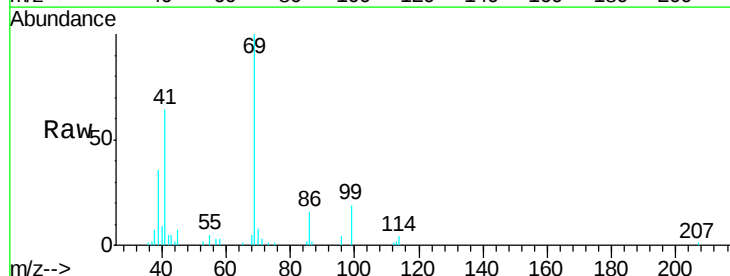


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

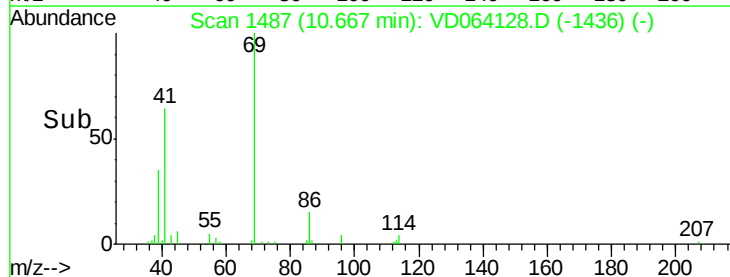
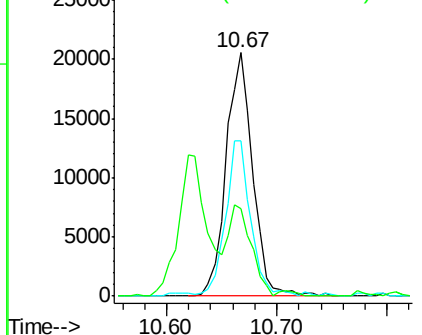


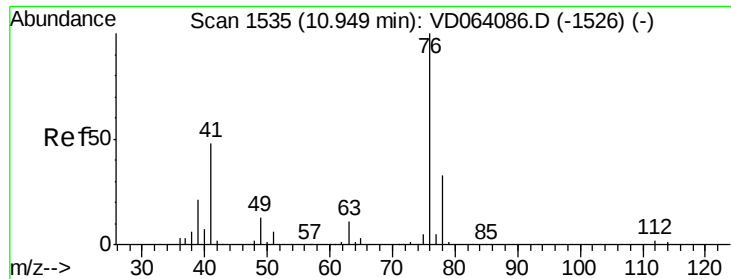
#56
 Ethyl methacrylate
 Concen: 19.139 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	34636		
41	60.1	46.9	70.3	
39	32.8	27.3	40.9	



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





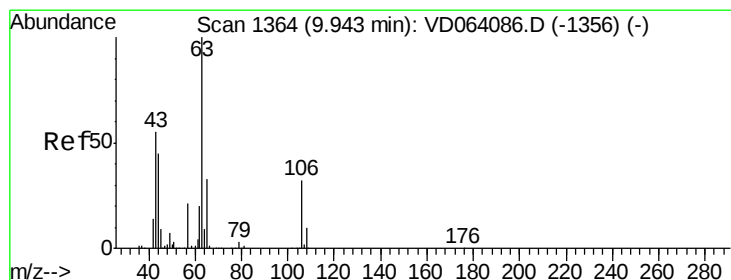
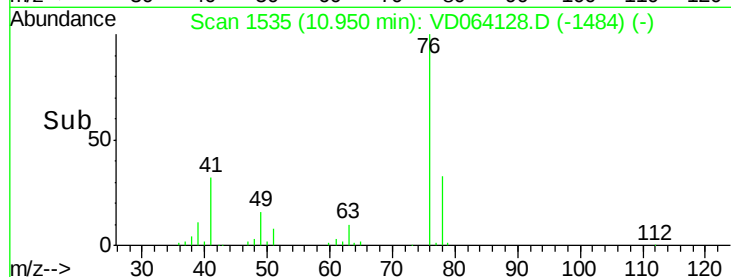
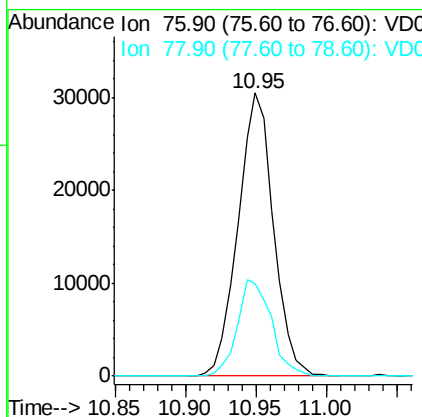
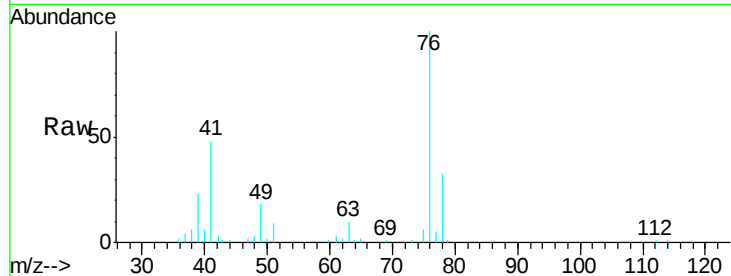
#57
 1,3-Dichloropropane
 Concen: 19.451 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tgt Ion: 76 Resp: 53432
 Ion Ratio Lower Upper
 76 100
 78 32.6 25.9 38.9

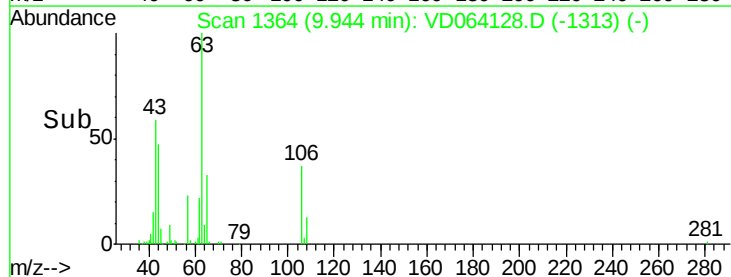
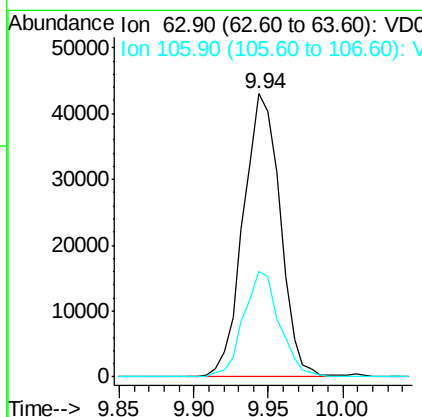
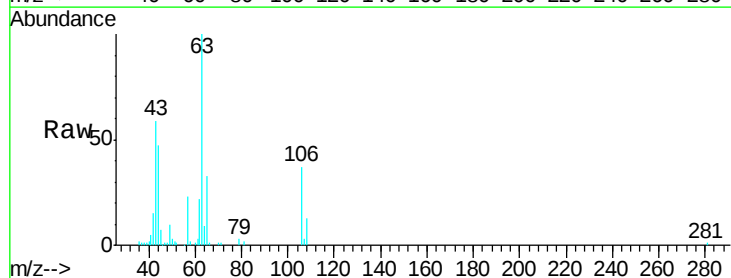
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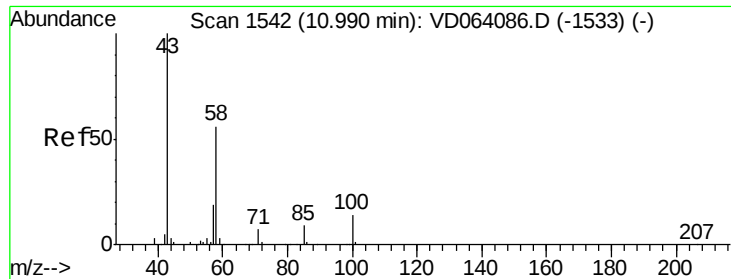
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#58
 2-Chloroethyl Vinyl ether
 Concen: 101.080 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Tgt Ion: 63 Resp: 73556
 Ion Ratio Lower Upper
 63 100
 106 36.4 25.8 38.8





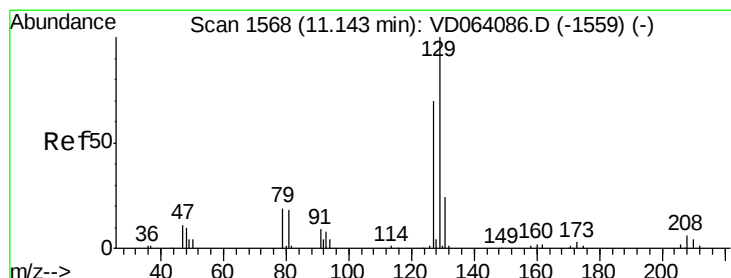
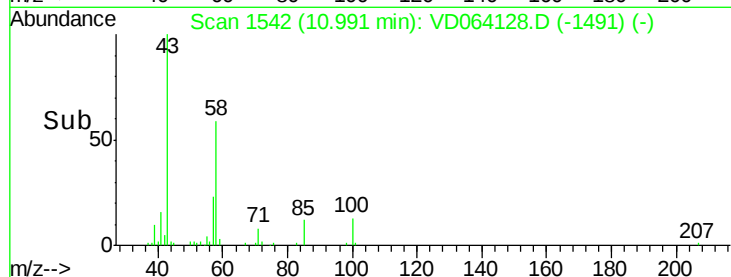
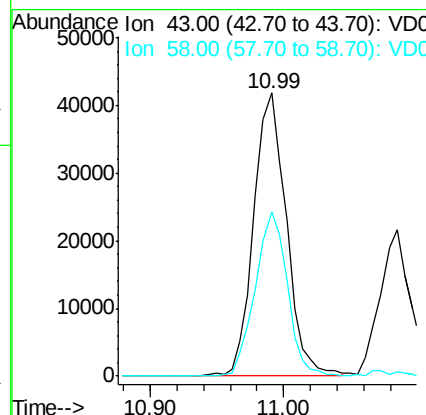
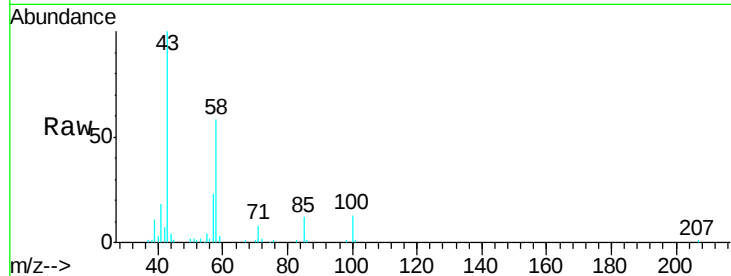
#59
2-Hexanone
Concen: 92.179 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tgt Ion: 43 Resp: 70495
Ion Ratio Lower Upper
43 100
58 57.2 29.2 87.6

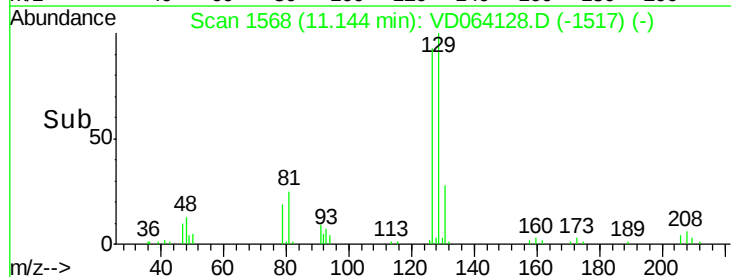
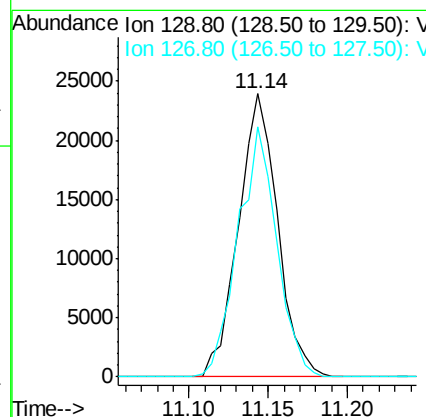
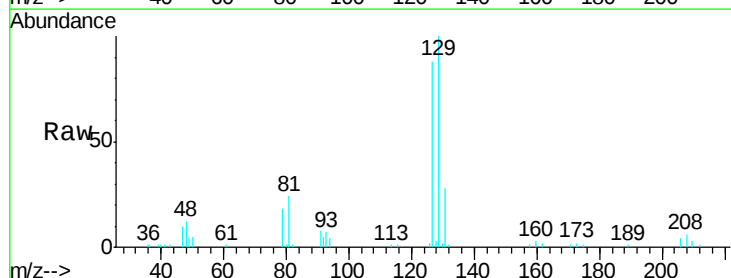
Manual Integrations
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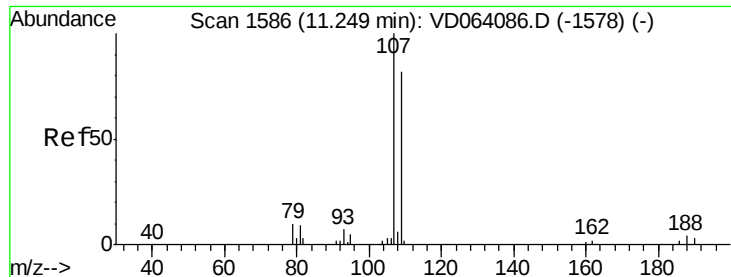
MMDadoda
11/1/2019 12:07:05 PM



#60
Dibromochloromethane
Concen: 18.214 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 129 Resp: 41063
Ion Ratio Lower Upper
129 100
127 87.2 38.3 114.8





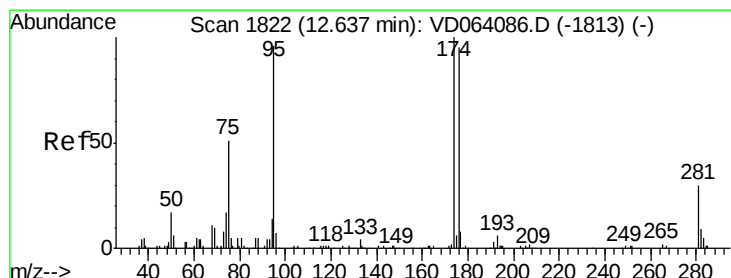
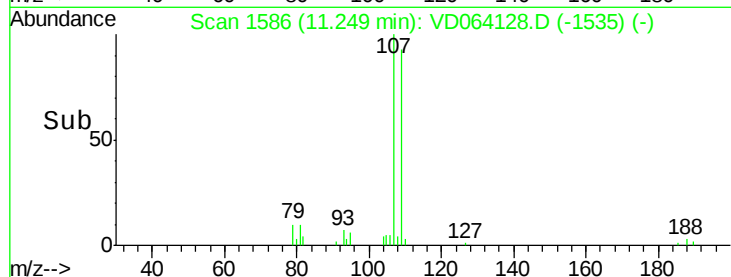
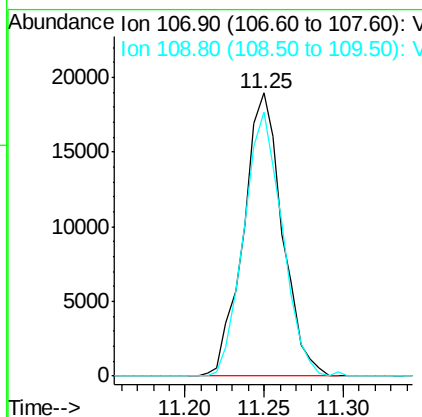
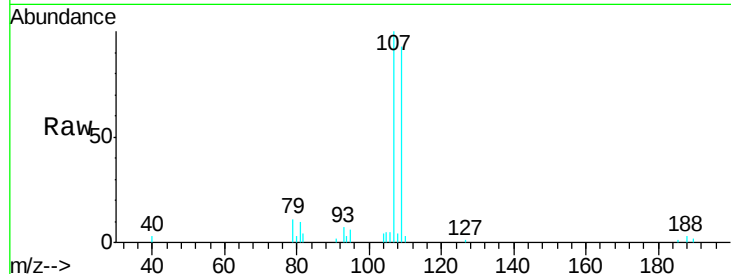
#61
 1,2-Dibromoethane
 Concen: 19.424 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tgt Ion: 107 Resp: 32269
 Ion Ratio Lower Upper
 107 100
 109 92.2 73.0 109.4

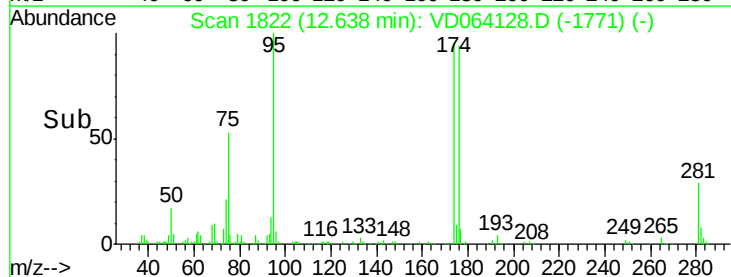
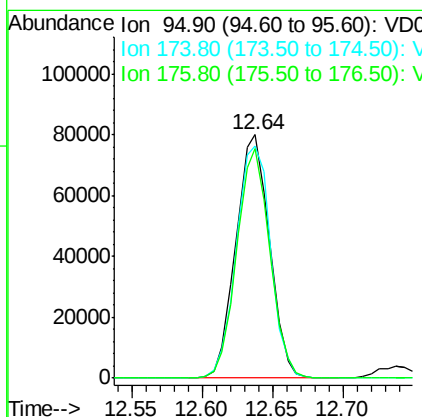
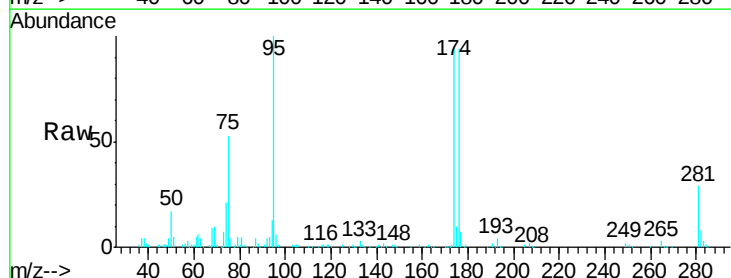
Manual Integrations
 APPROVED

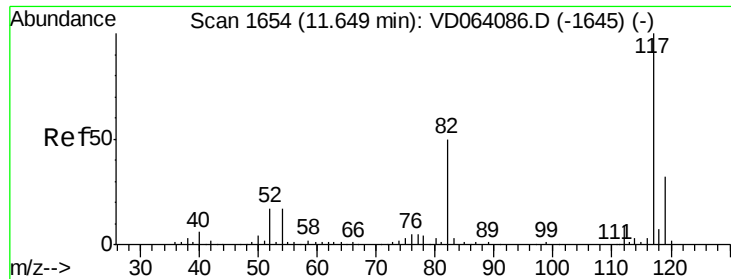
MMDadoda
 11/1/2019 12:07:05 PM



#62
 4-Bromofluorobenzene
 Concen: 49.831 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Tgt Ion: 95 Resp: 133521
 Ion Ratio Lower Upper
 95 100
 174 97.4 0.0 201.6
 176 92.3 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

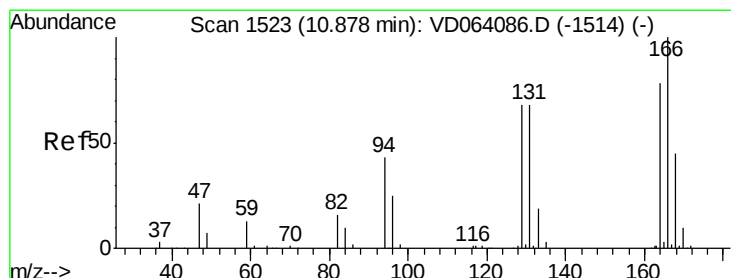
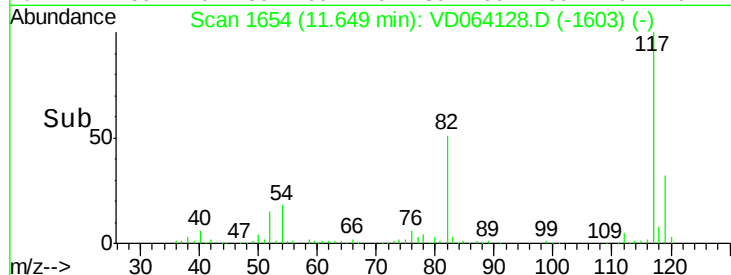
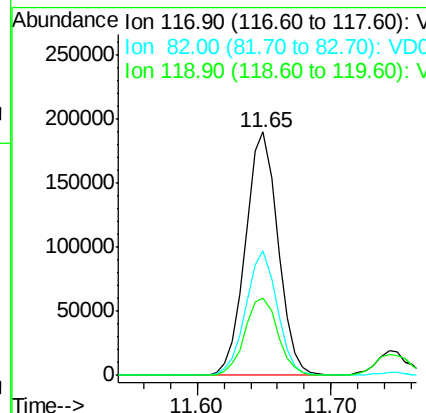
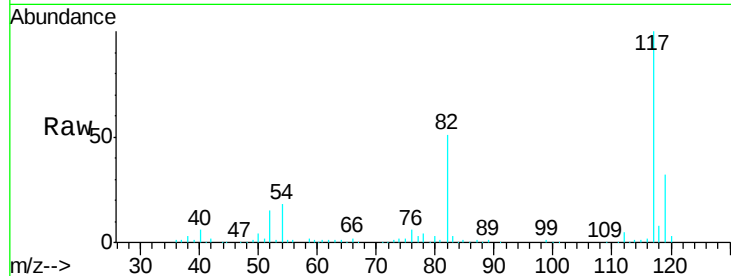
ClientSampleId :

VD1031SBS01

Tgt Ion:	117	Resp:	319151
Ion Ratio	Lower	Upper	
117	100		
82	51.4	40.2	60.4
119	31.8	26.0	39.0

Manual Integrations
APPROVED

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#64

Tetrachloroethene

Concen: 20.298 ug/l

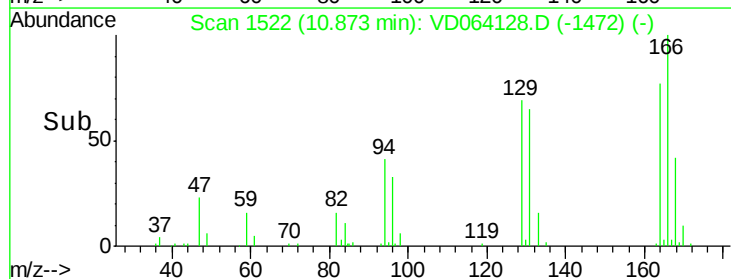
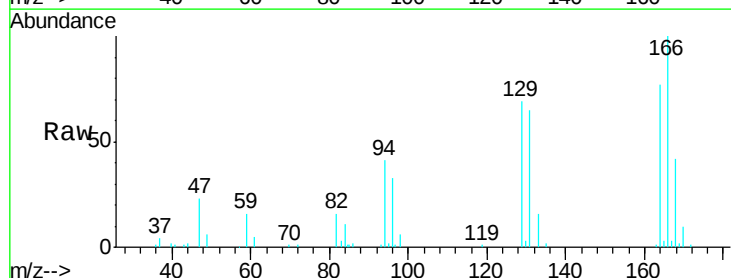
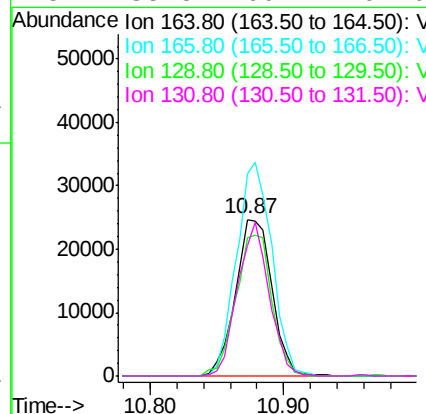
RT: 10.87 min Scan# 1522

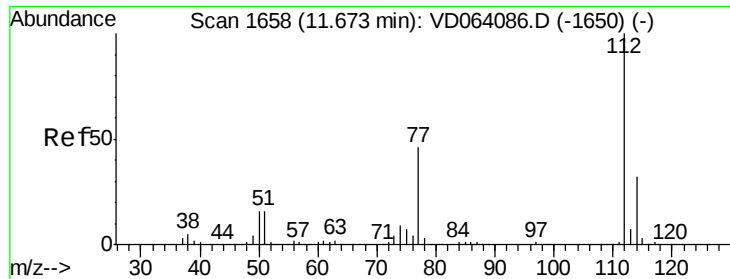
Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Tgt Ion:	164	Resp:	46540
Ion Ratio	Lower	Upper	
164	100		
166	129.2	102.7	154.1
129	88.7	69.8	104.6
131	83.8	69.4	104.0





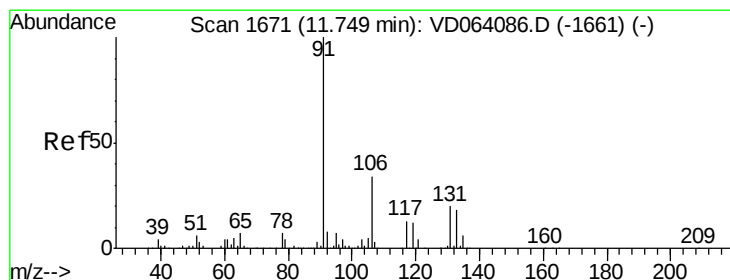
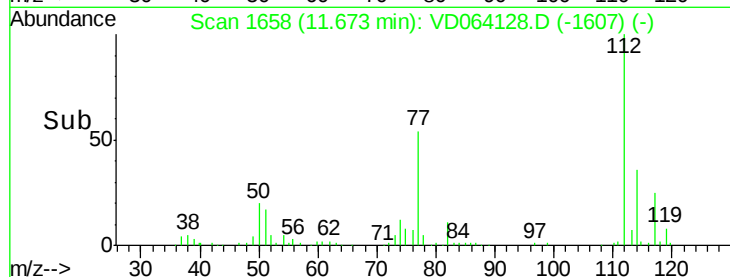
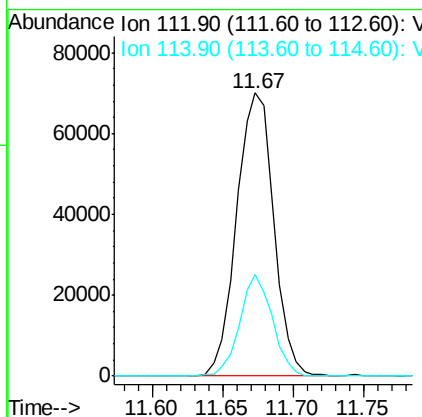
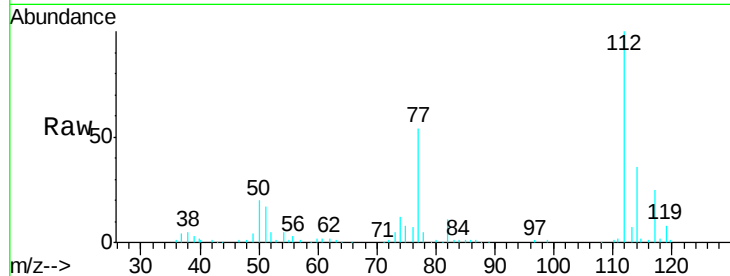
#65
Chlorobenzene
Concen: 19.531 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tgt Ion:112 Resp: 128794
Ion Ratio Lower Upper
112 100
114 36.1 25.4 38.0

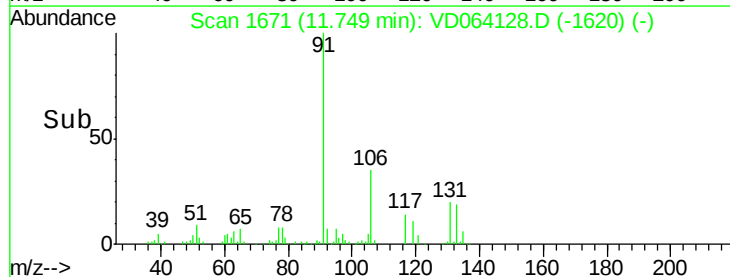
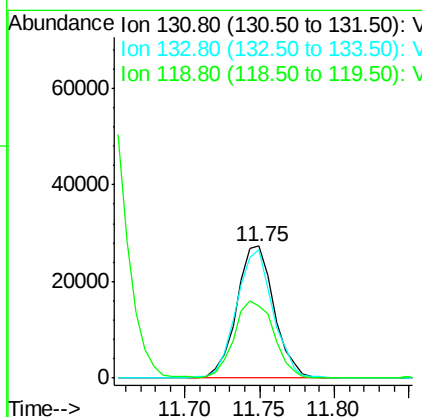
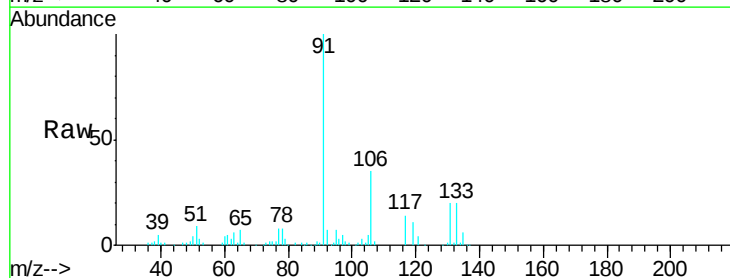
Manual Integrations
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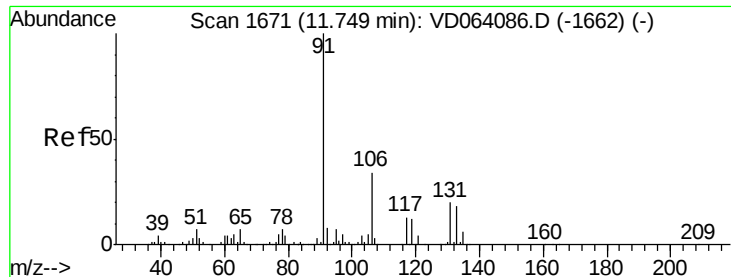
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.384 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion:131 Resp: 47829
Ion Ratio Lower Upper
131 100
133 94.6 47.6 142.9
119 62.0 31.4 94.3





#67

Ethyl Benzene

Concen: 19.387 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tgt Ion: 91 Resp: 227398

Ion Ratio Lower Upper

91 100

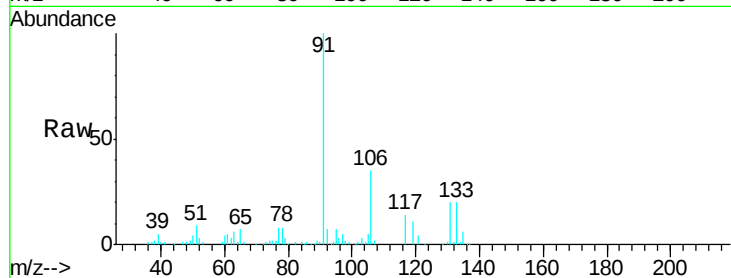
106 34.7 27.0 40.6

Manual Integrations

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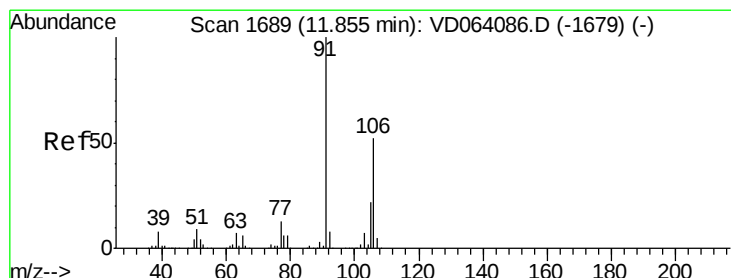
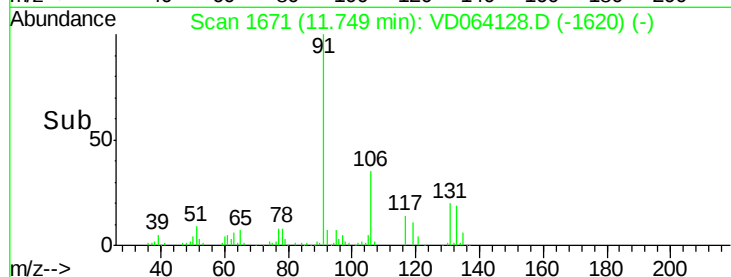
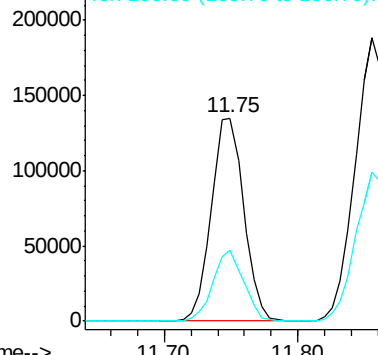
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 39.293 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064128.D

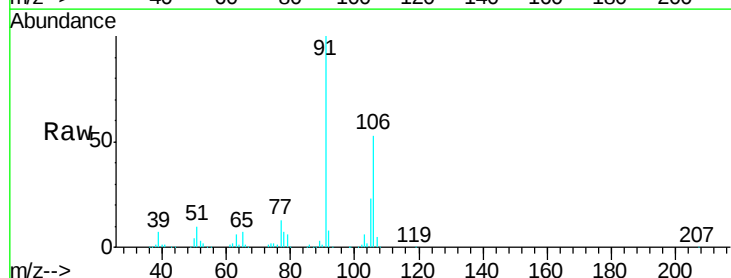
Acq: 31 Oct 2019 13:03

Tgt Ion: 106 Resp: 185375

Ion Ratio Lower Upper

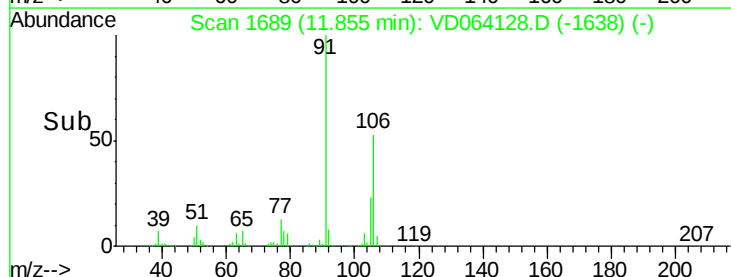
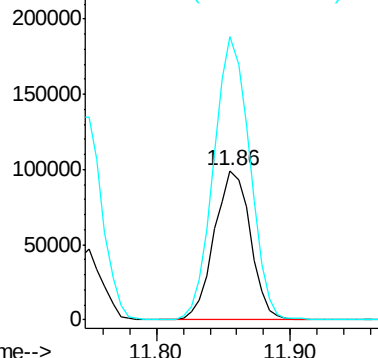
106 100

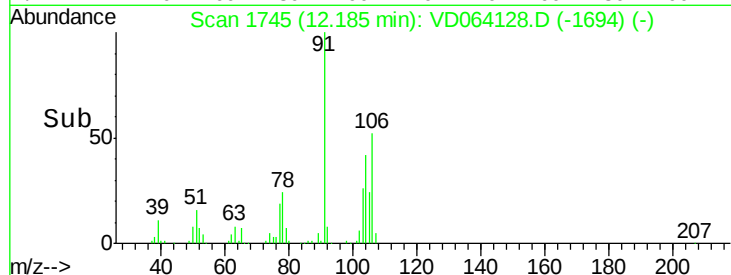
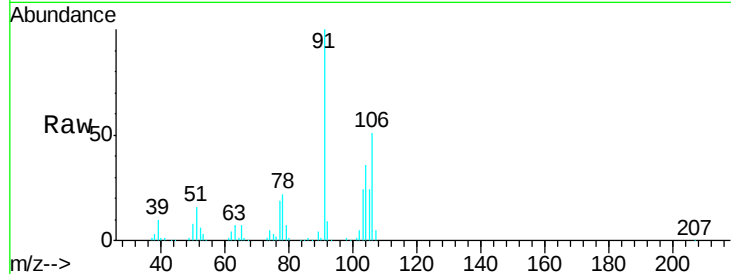
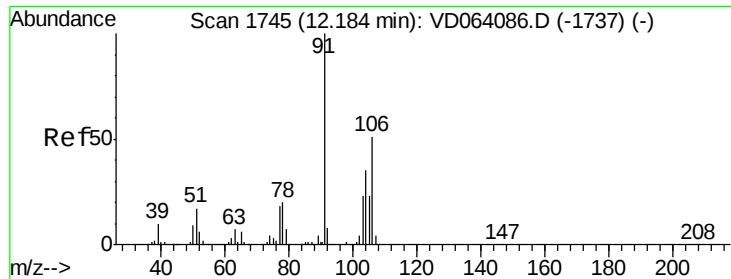
91 189.5 154.0 231.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





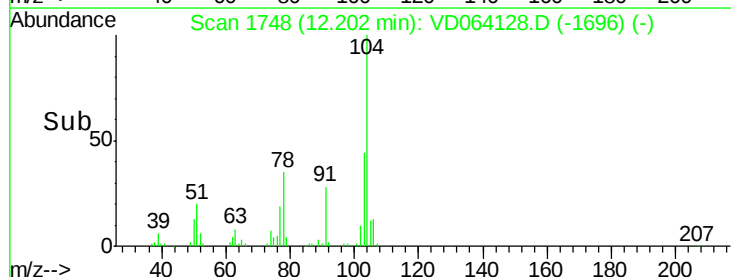
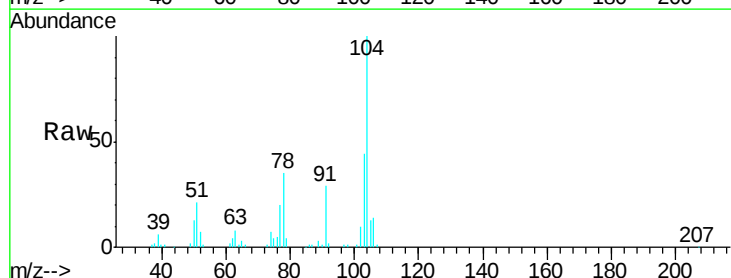
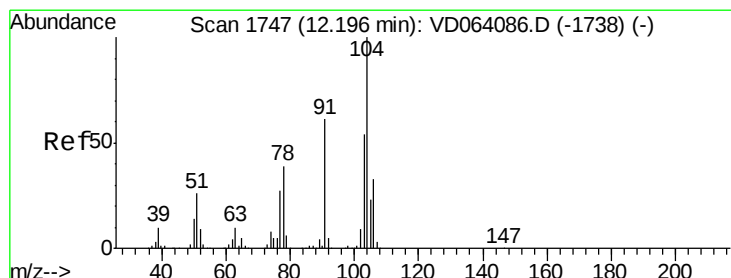
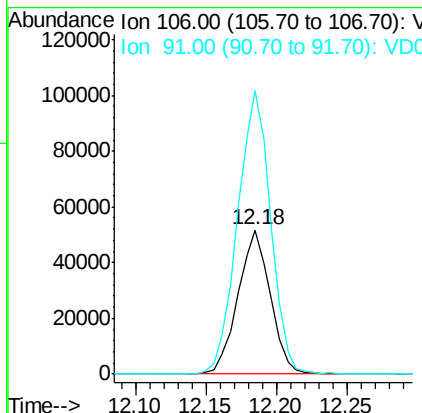
#69
o-Xylene
Concen: 19.226 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion:106 Resp: 82779
Ion Ratio Lower Upper
106 100
91 201.3 100.6 301.9

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

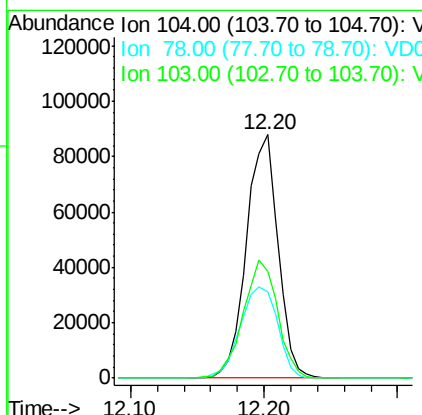
Manual Integrations
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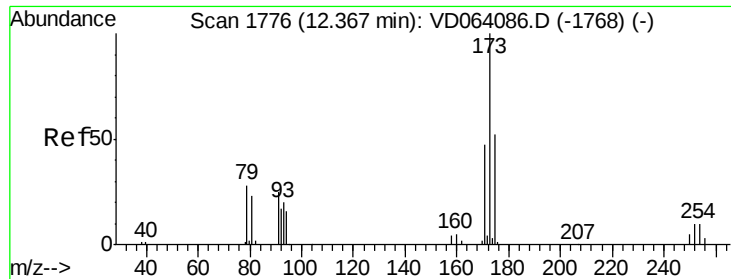
MMDadoda
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#70
Styrene
Concen: 19.282 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion:104 Resp: 143187
Ion Ratio Lower Upper
104 100
78 44.7 34.6 51.8
103 53.1 44.2 66.2





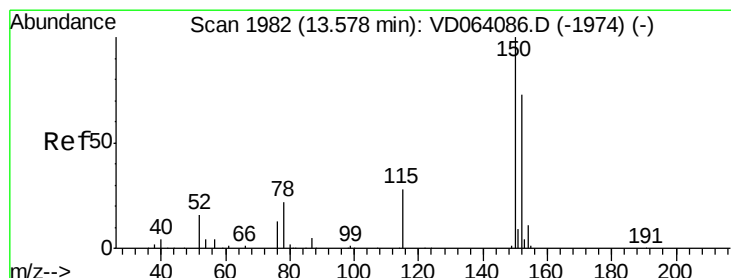
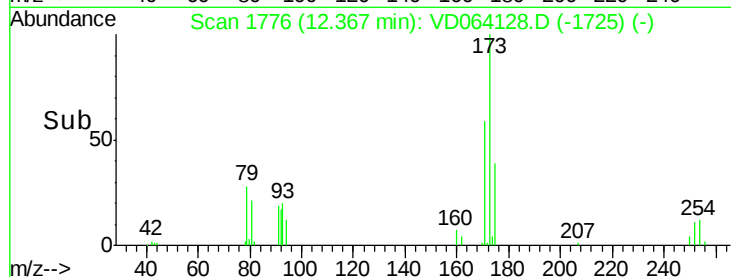
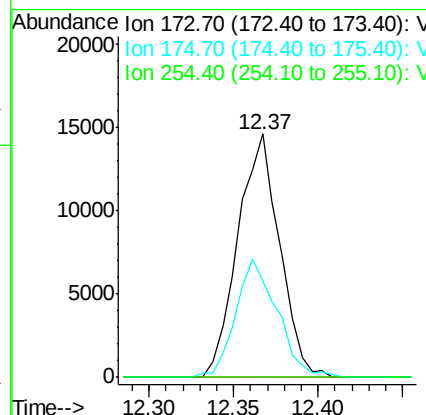
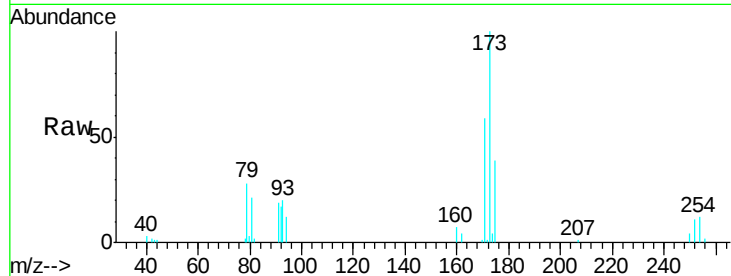
#71
Bromoform
Concen: 19.055 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.3	72.9
254	0.0	0.0	0.0

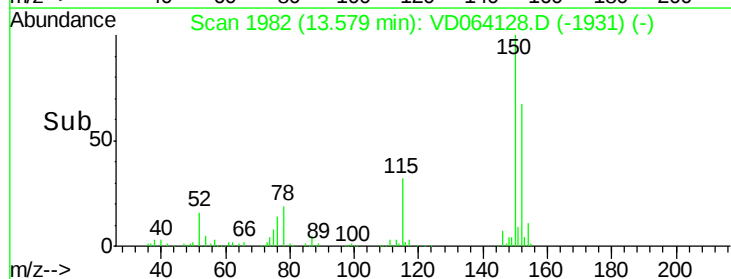
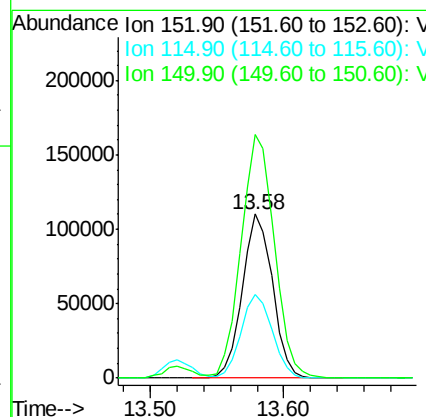
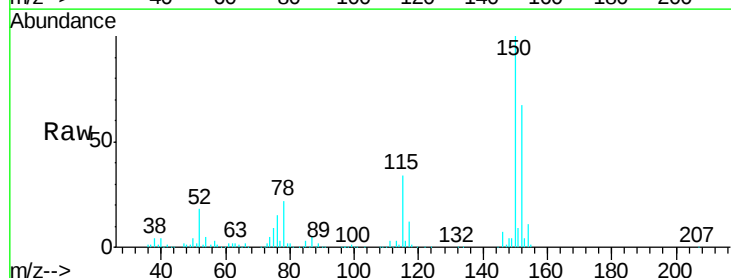
Manual Integrations
APPROVED

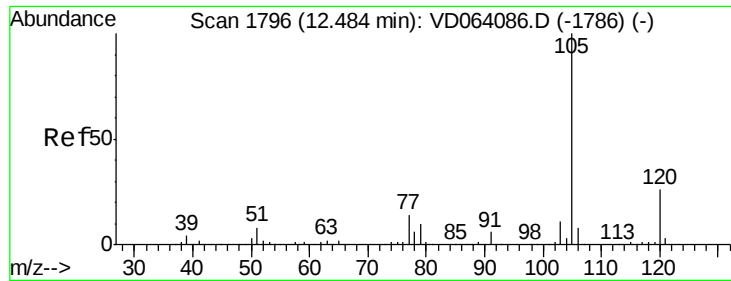
MMDadoda
11/1/2019 12:07:05 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.9	26.2	78.6
150	163.6	0.0	338.8





#73

Isopropylbenzene

Concen: 18.902 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tgt Ion: 105 Resp: 225605

Ion Ratio Lower Upper

105 100

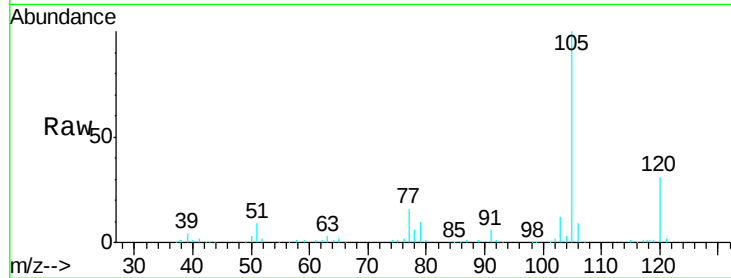
120 28.9 13.3 39.9

Manual Integrations

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MMDadoda

11/1/2019 12:07:05 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

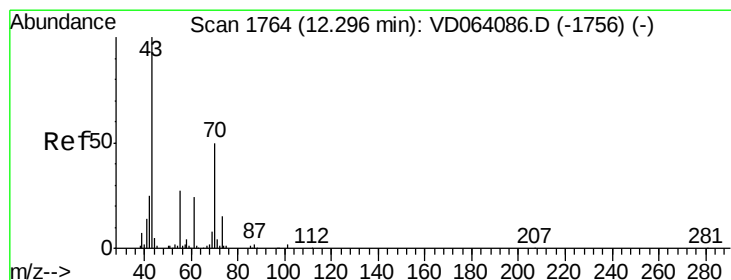
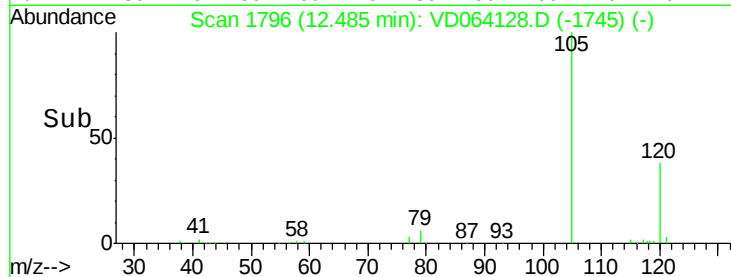
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 19.207 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Tgt Ion: 43 Resp: 38085

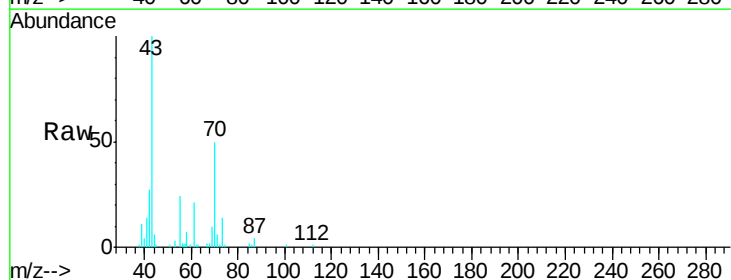
Ion Ratio Lower Upper

43 100

70 48.1 38.6 58.0

55 25.1 20.4 30.6

61 24.5 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

30000

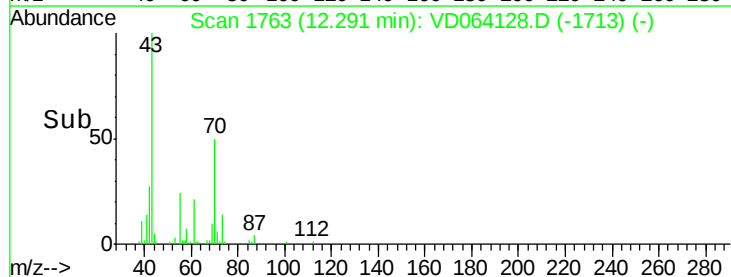
20000

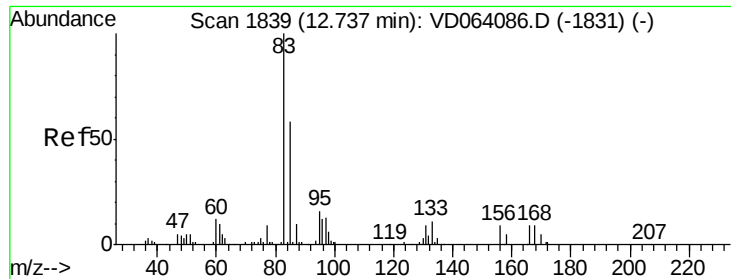
10000

0

12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.099 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tgt Ion: 83 Resp: 35930

Ion Ratio Lower Upper

83 100

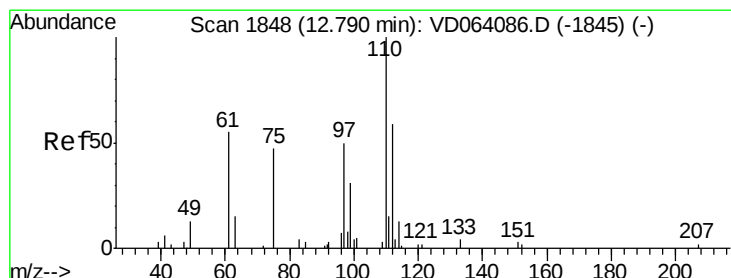
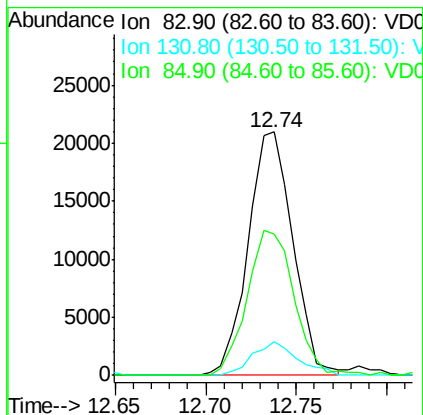
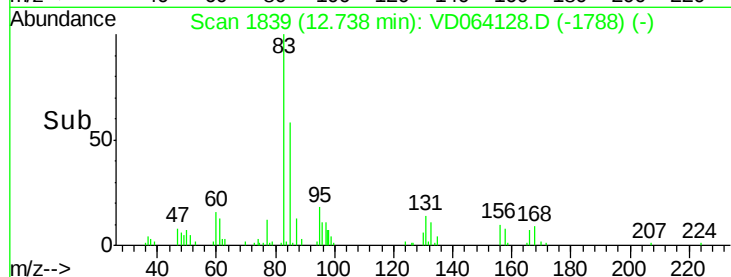
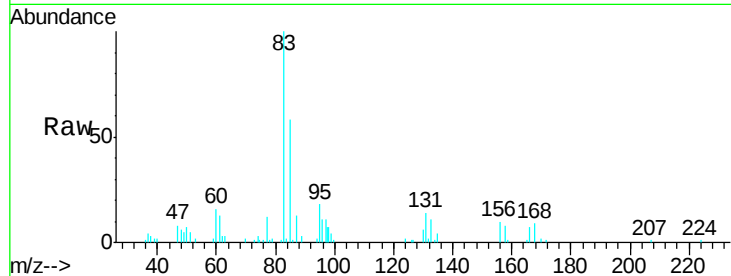
131 13.9 5.7 17.0

85 62.8 32.1 96.5

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#76

1,2,3-Trichloropropane

Concen: 23.266 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064128.D

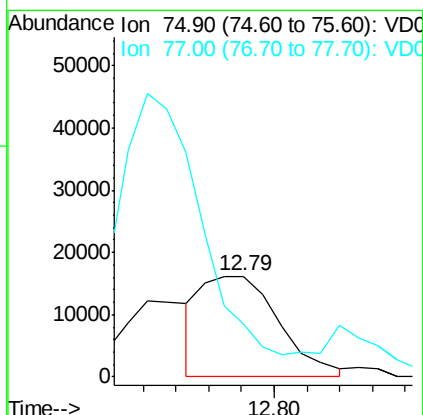
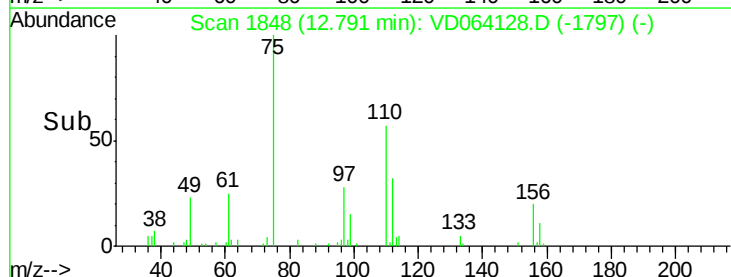
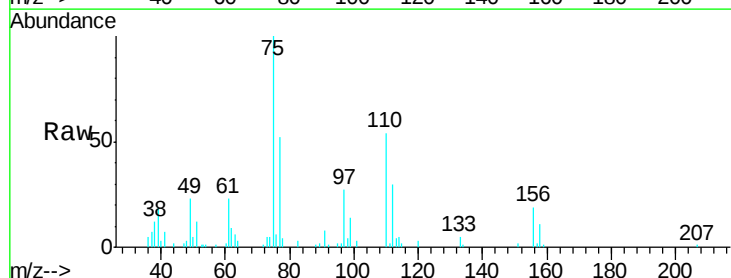
Acq: 31 Oct 2019 13:03

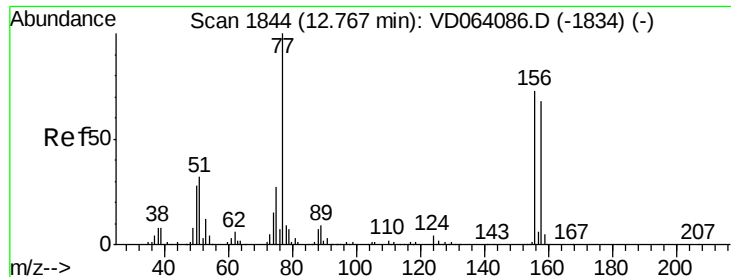
Tgt Ion: 75 Resp: 26852

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 19.687 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD064128.D

Acq: 31 Oct 2019 13:03

Instrument :

MSVOA_D

ClientSampleId :

VD1031SBS01

Tgt Ion: 156 Resp: 56733

Ion Ratio Lower Upper

156 100

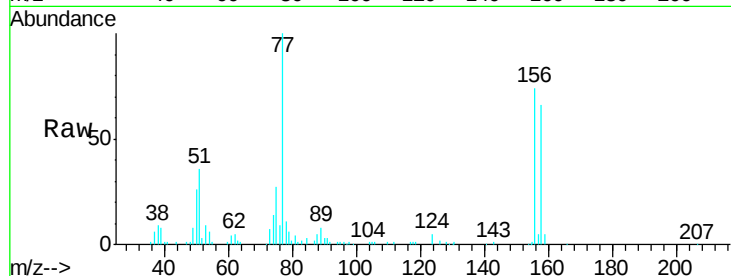
77 151.1 76.0 228.0

158 99.3 47.6 142.8

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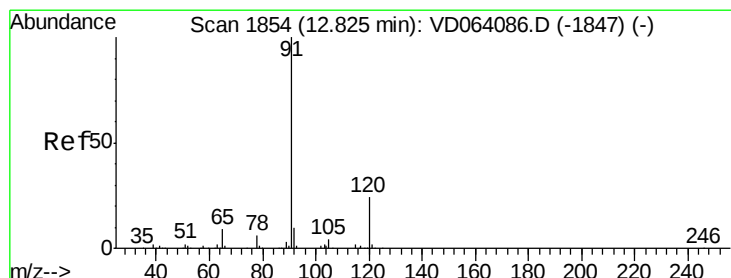
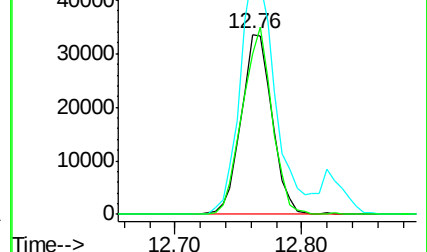
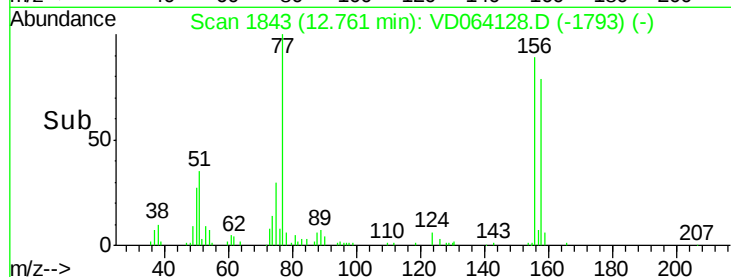
11/1/2019 12:07:05 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.445 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064128.D

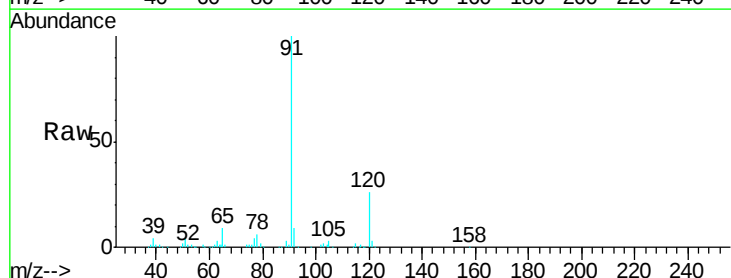
Acq: 31 Oct 2019 13:03

Tgt Ion: 91 Resp: 271973

Ion Ratio Lower Upper

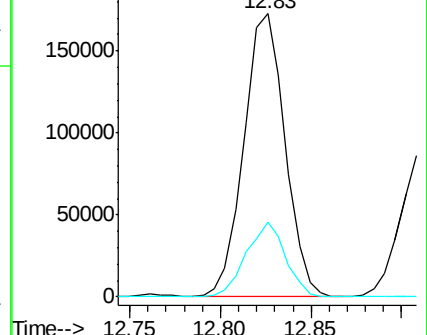
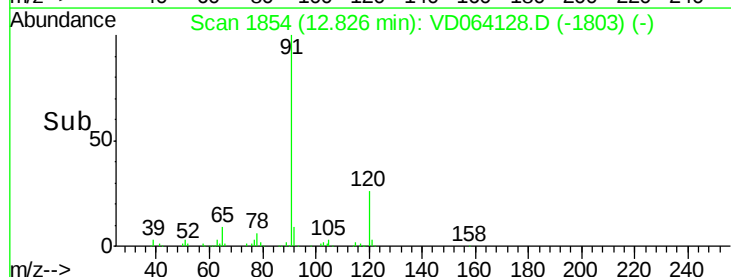
91 100

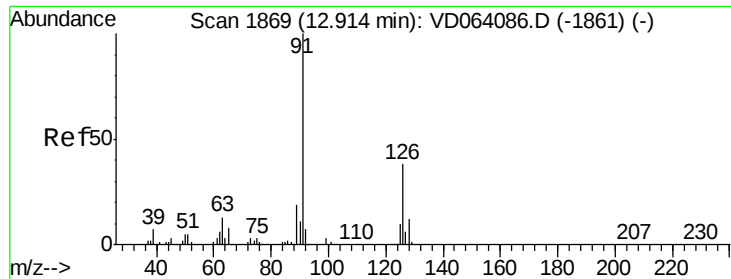
120 25.3 12.1 36.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





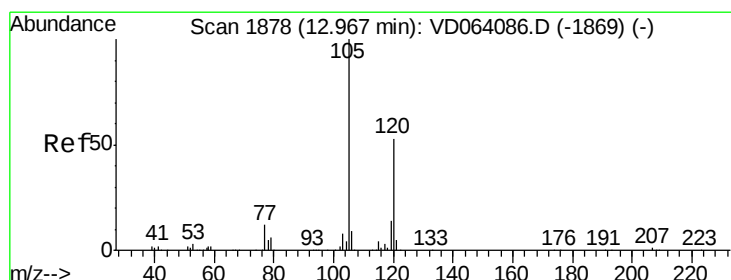
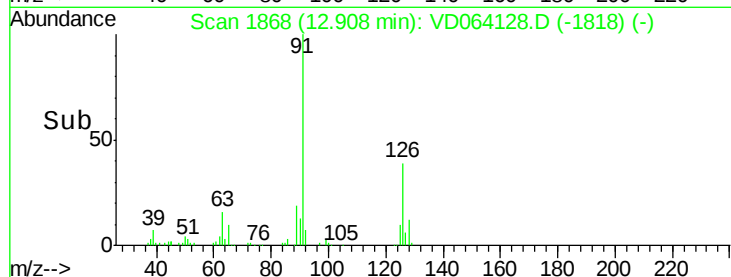
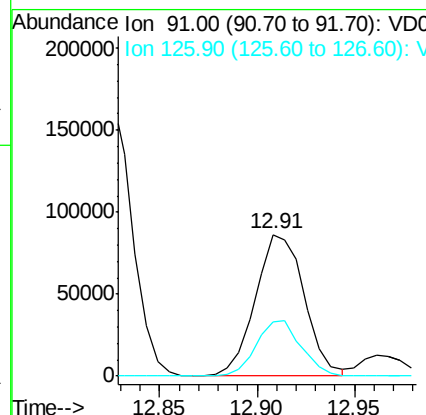
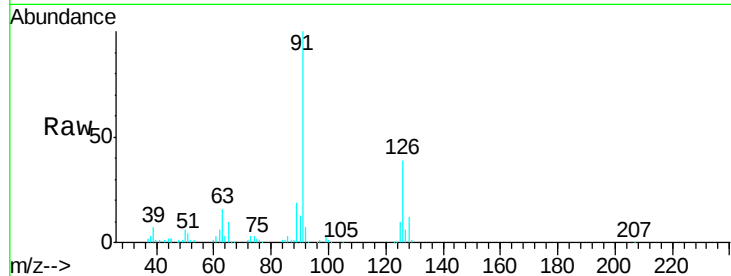
#79
2-Chlorotoluene
Concen: 20.041 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tgt Ion: 91 Resp: 150262
Ion Ratio Lower Upper
91 100
126 36.2 19.1 57.1

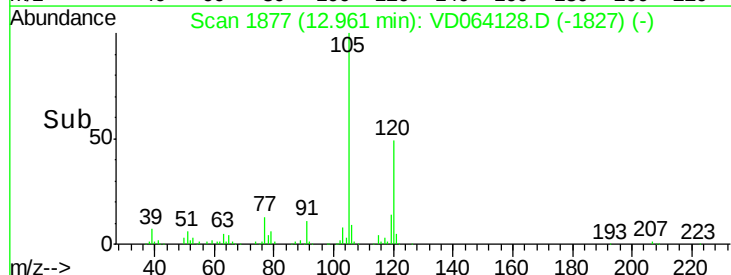
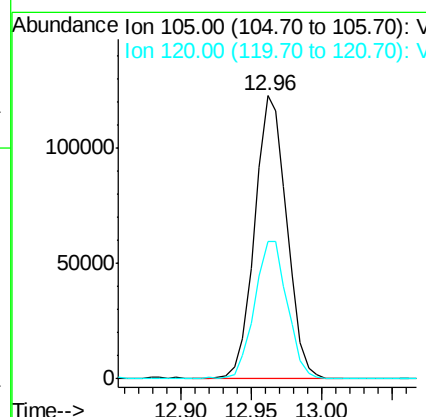
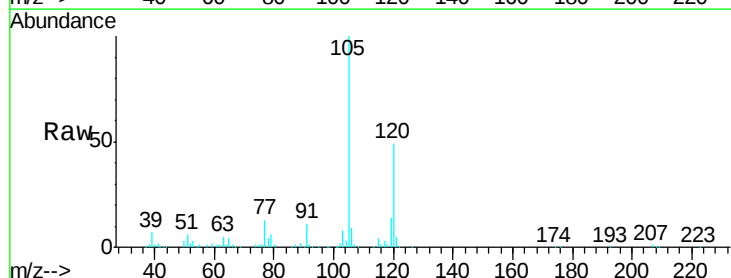
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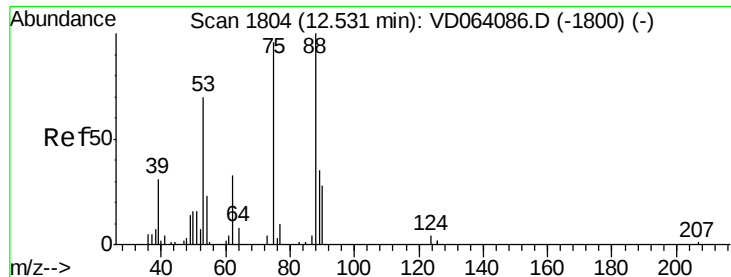
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 19.562 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. -0.01 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion: 105 Resp: 195404
Ion Ratio Lower Upper
105 100
120 49.9 25.8 77.4





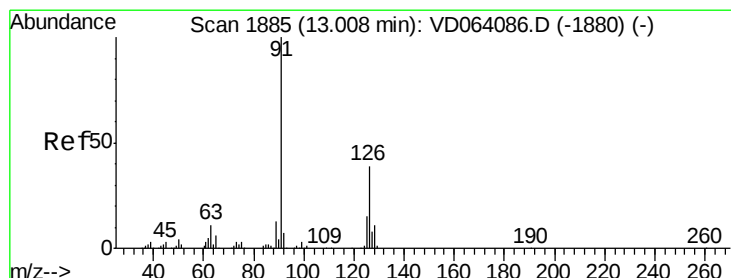
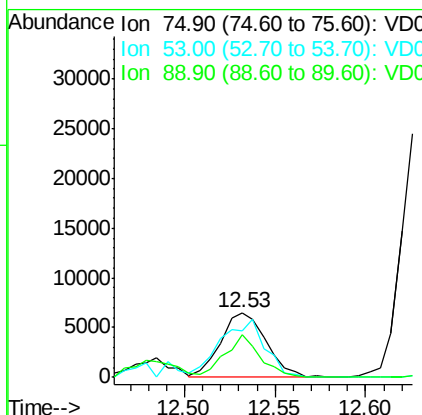
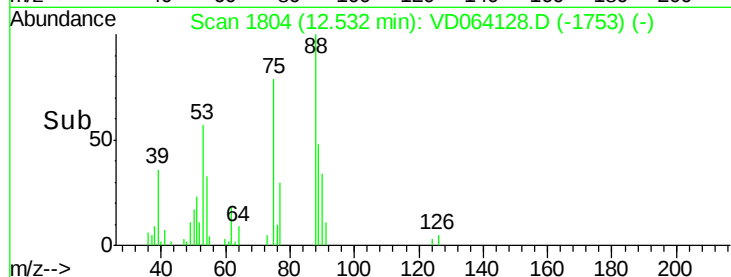
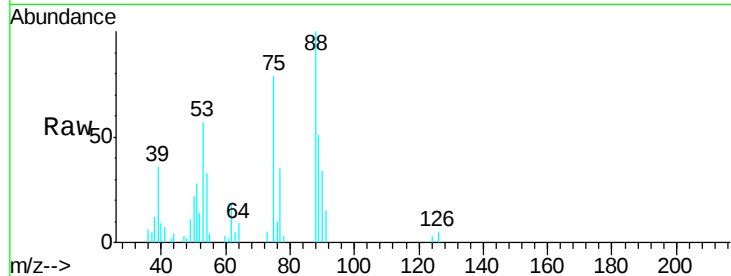
#81
trans-1,4-Dichloro-2-butene
Concen: 20.113 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	86.9	68.6	103.0
89	50.6	36.9	55.3

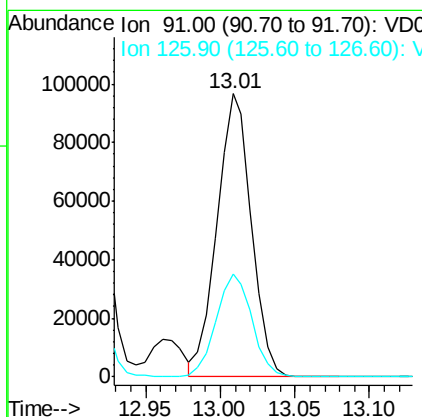
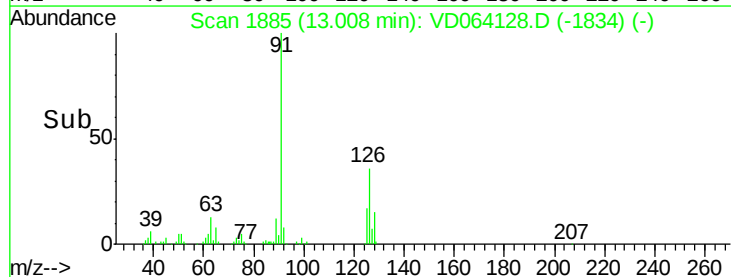
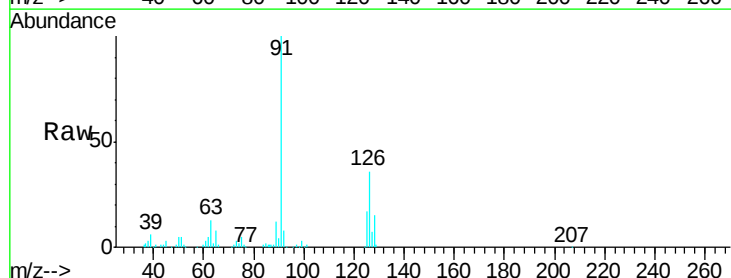
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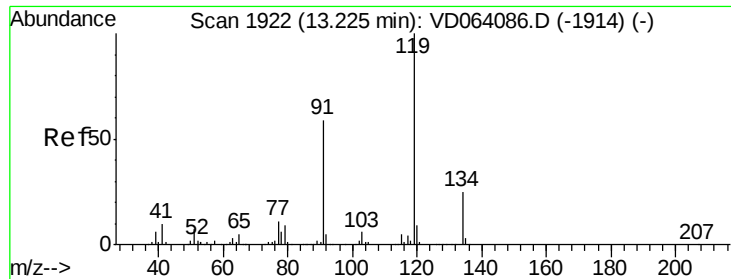
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#82
4-Chlorotoluene
Concen: 19.381 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.0	18.9	56.5





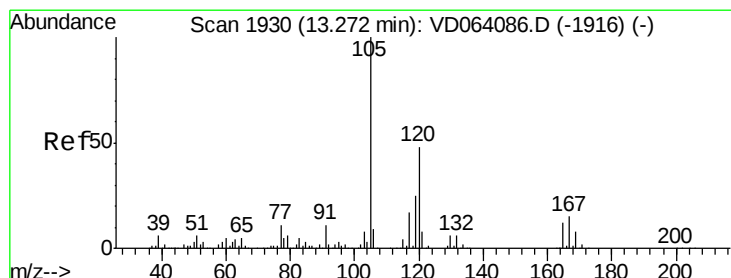
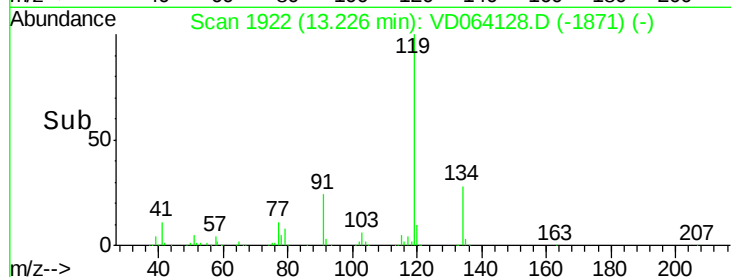
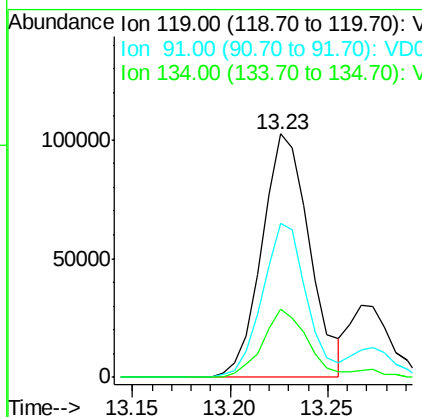
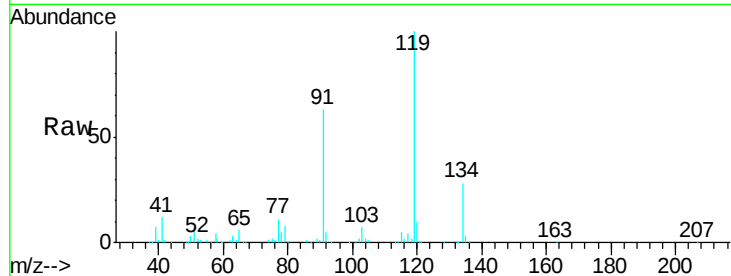
#83
tert-Butylbenzene
Concen: 19.370 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	58.6	28.3	85.0
134	26.2	12.9	38.6

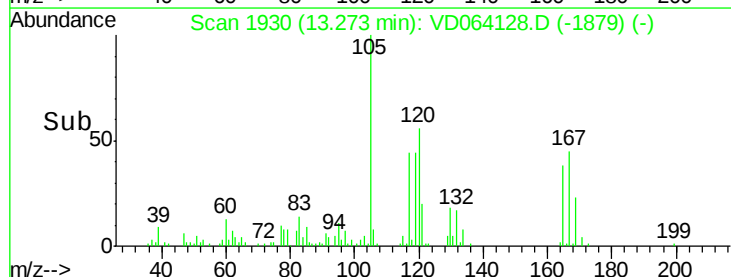
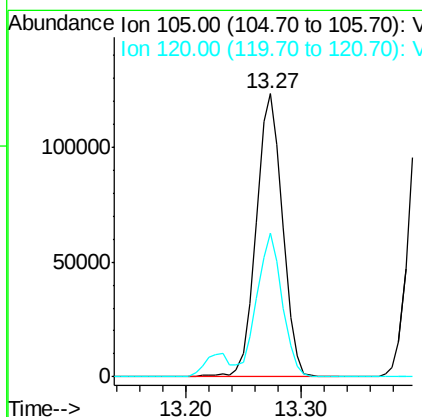
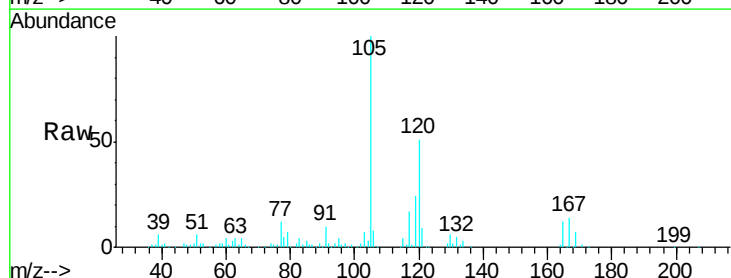
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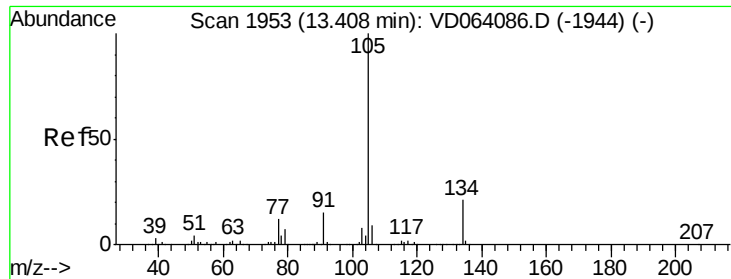
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#84
1,2,4-Trimethylbenzene
Concen: 19.485 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.2	24.1	72.4





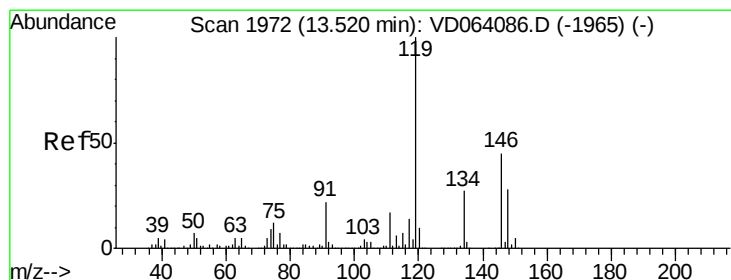
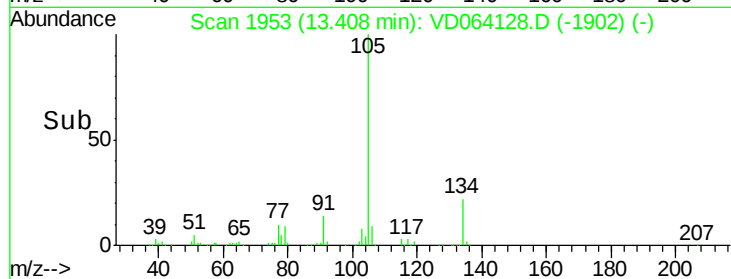
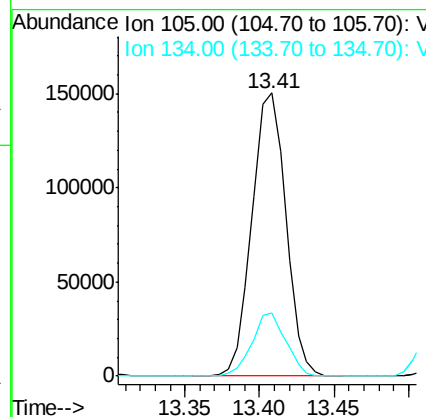
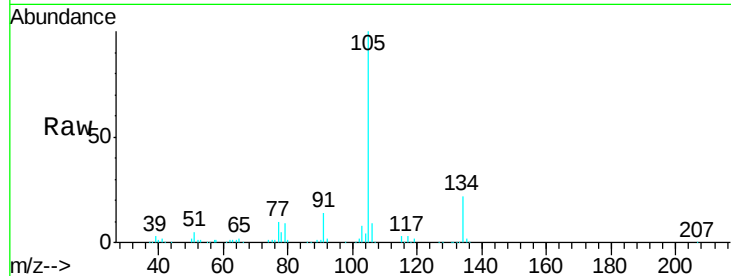
#85
 sec-Butylbenzene
 Concen: 19.203 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	236602		
134	22.1	10.4	31.2	

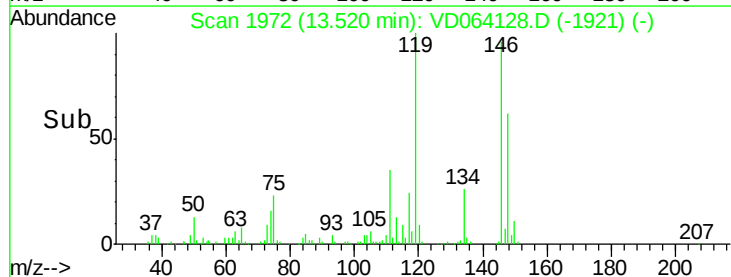
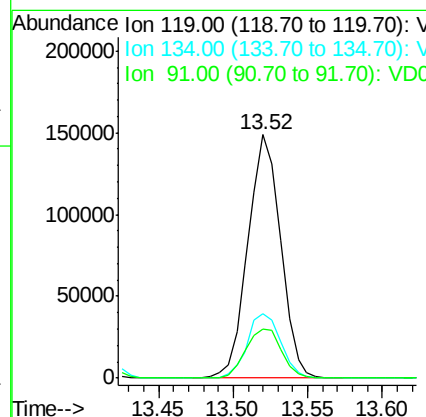
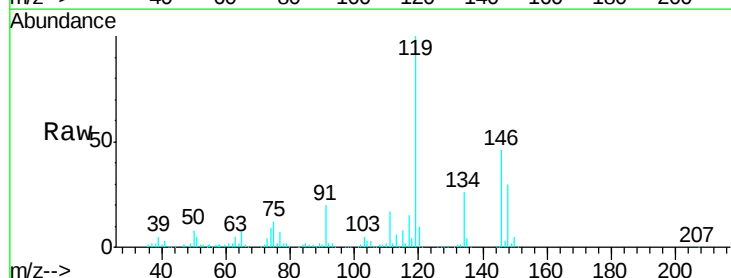
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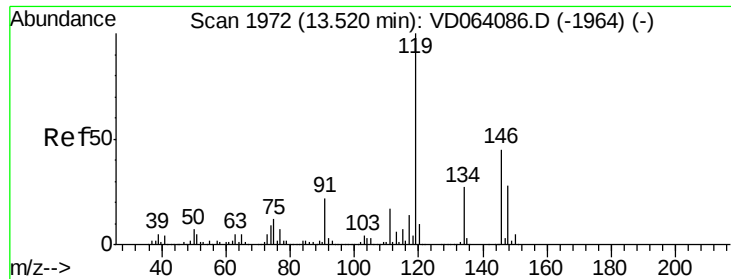
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#86
 p-Isopropyltoluene
 Concen: 19.493 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	225660		
134	27.1	13.6	40.8	
91	22.2	10.9	32.6	





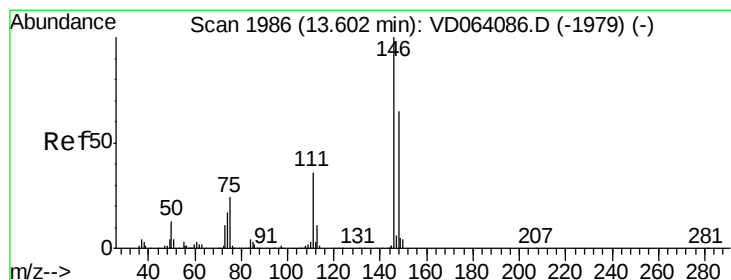
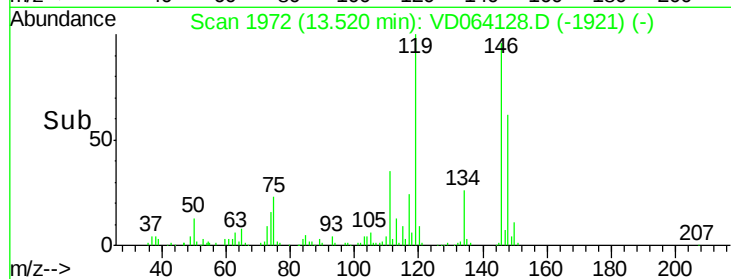
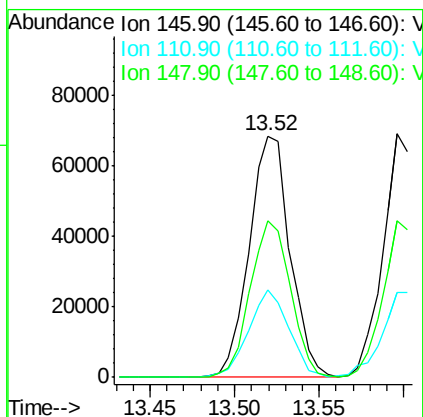
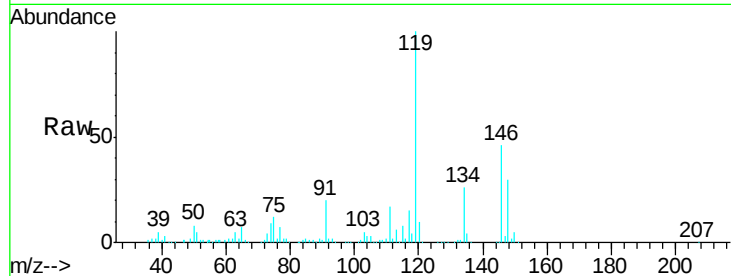
#87
 1,3-Dichlorobenzene
 Concen: 19.905 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.7	18.9	56.9
148	63.7	32.1	96.3

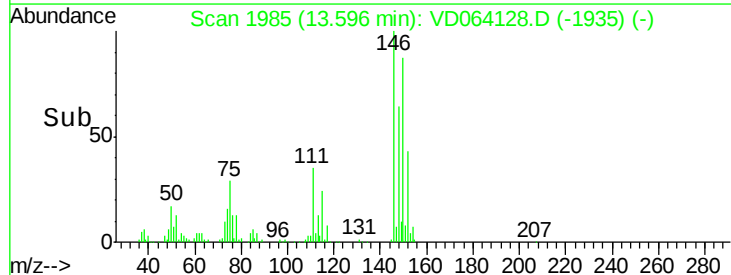
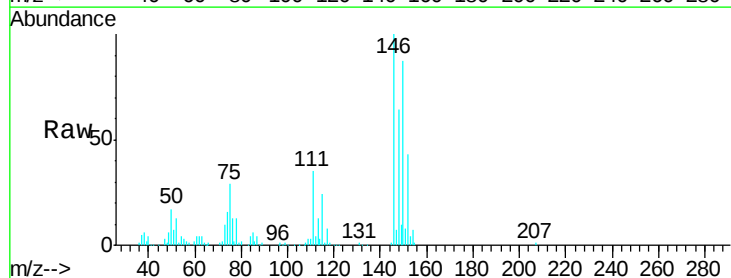
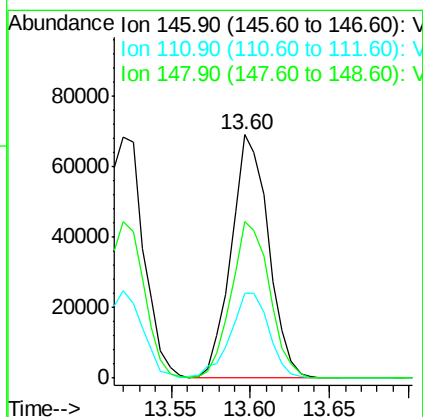
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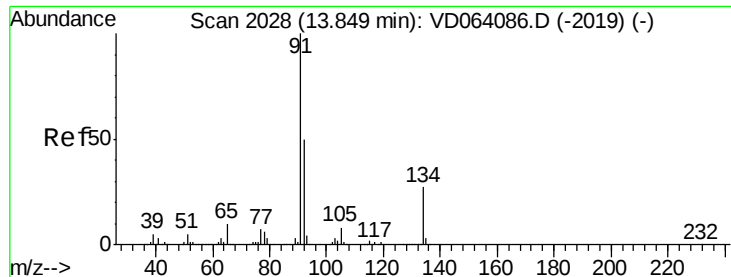
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#88
 1,4-Dichlorobenzene
 Concen: 19.871 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.4	55.4
148	66.1	32.4	97.0





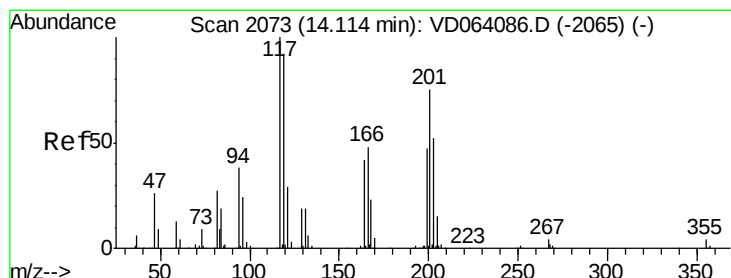
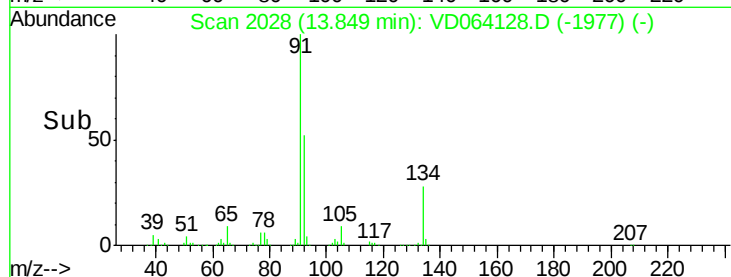
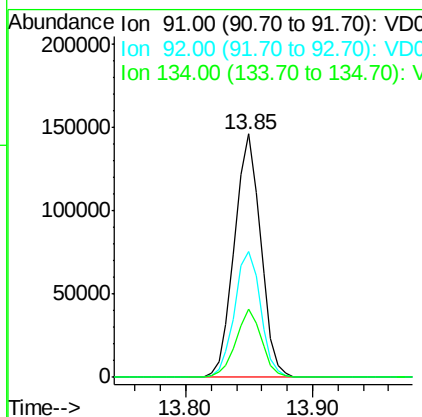
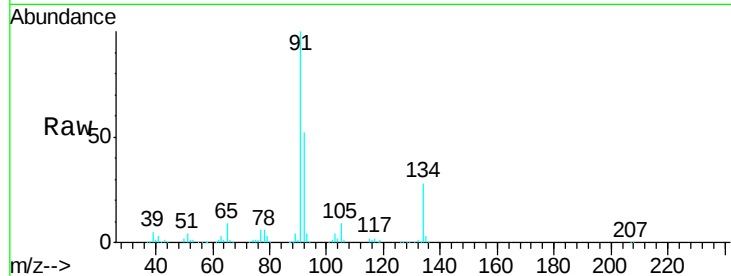
#89
n-Butylbenzene
Concen: 19.601 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.4	25.6	76.6
134	27.5	14.0	42.0

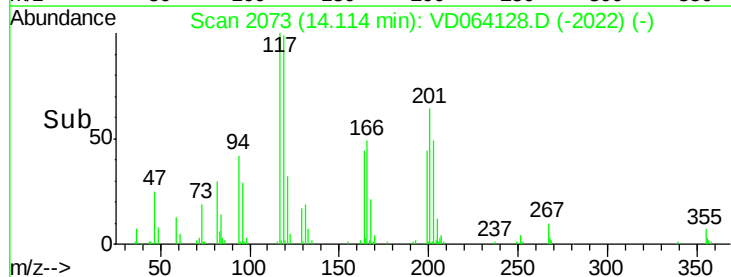
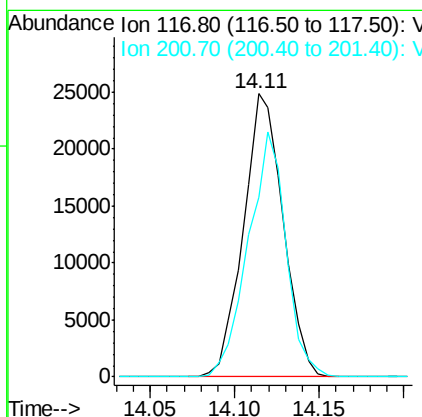
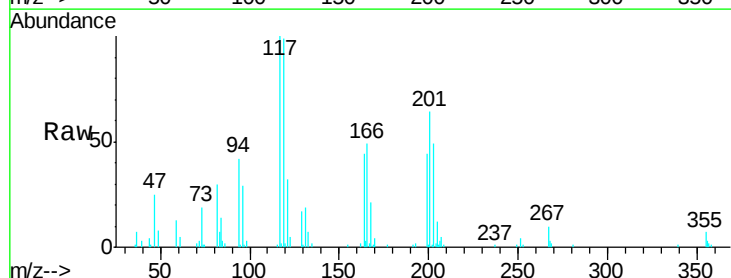
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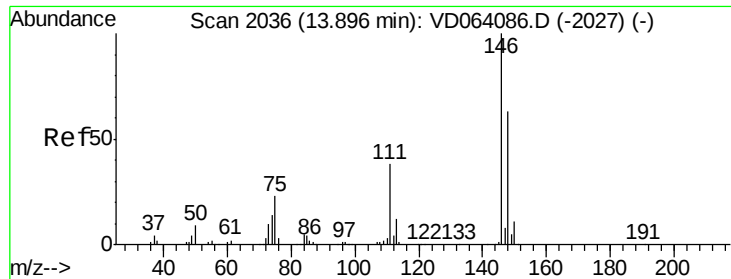
MMDadoda
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#90
Hexachloroethane
Concen: 18.754 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.0	38.4	115.2





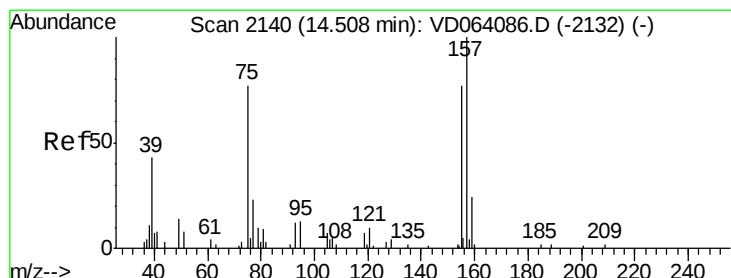
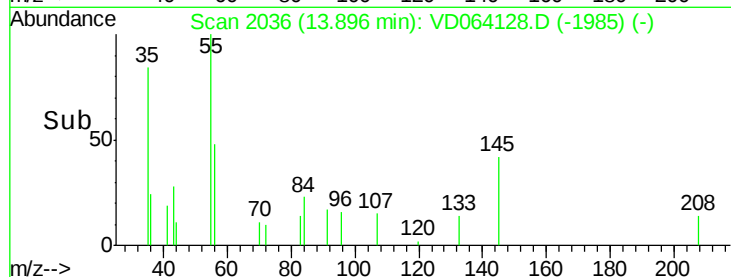
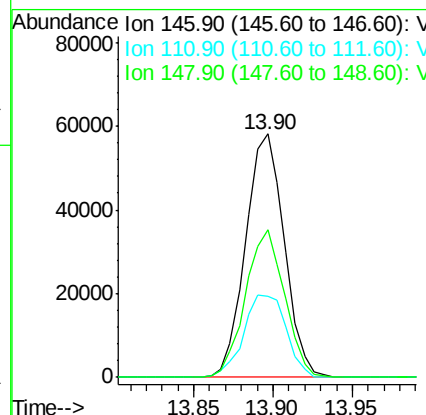
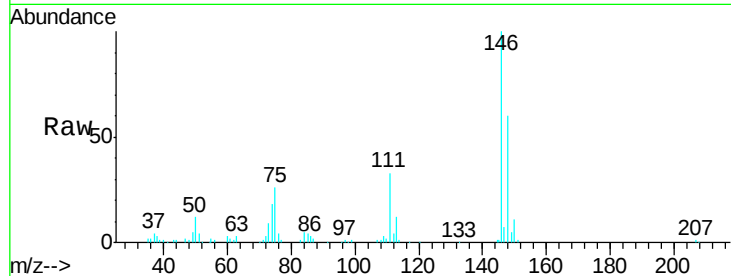
#91
 1,2-Dichlorobenzene
 Concen: 19.869 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	19.1	57.1
148	61.2	32.1	96.5

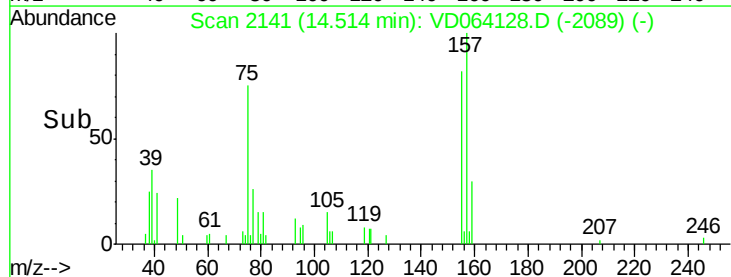
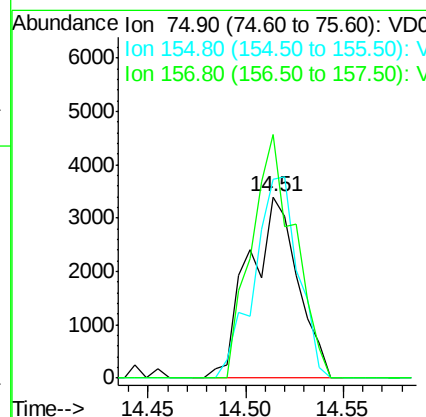
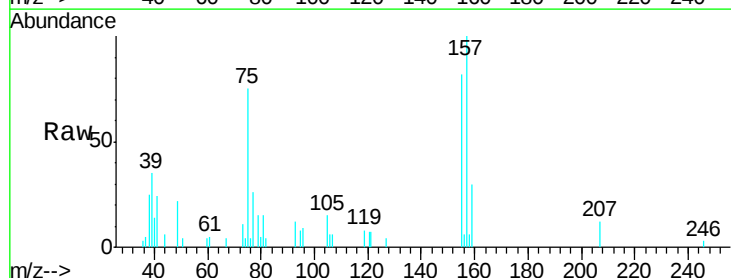
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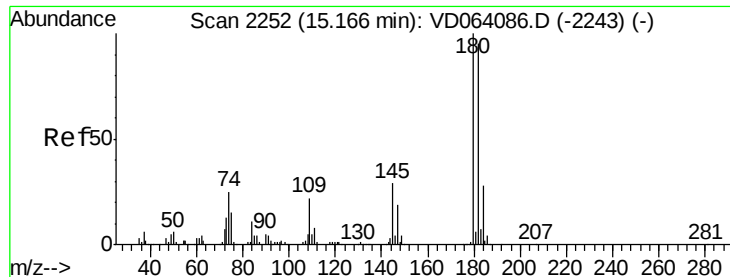
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.521 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	99.9	56.3	168.9
157	118.6	72.2	216.6





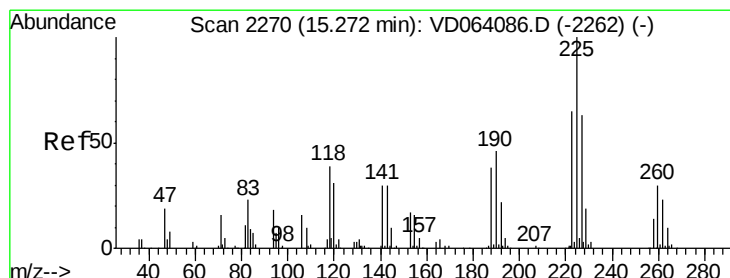
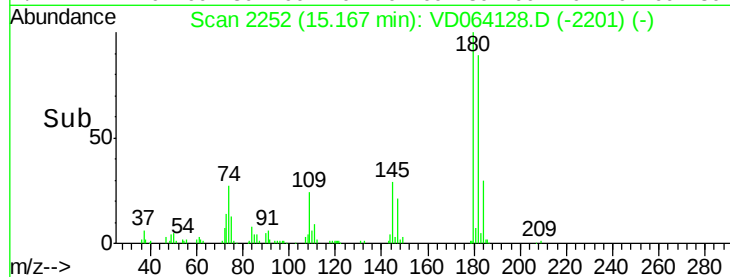
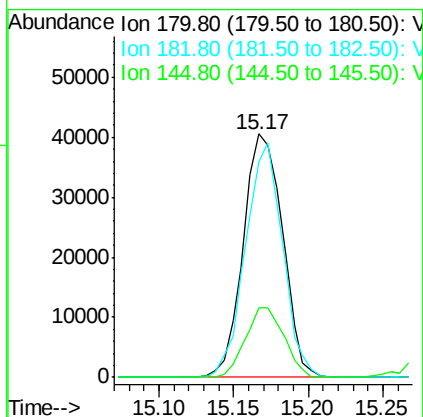
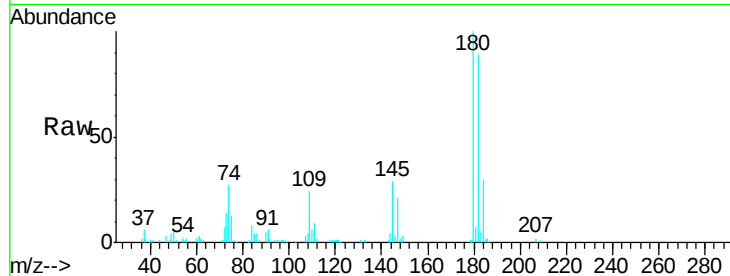
#93
 1,2,4-Trichlorobenzene
 Concen: 20.676 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1031SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	73866		
182	91.1	46.9	140.7	
145	28.1	14.2	42.6	

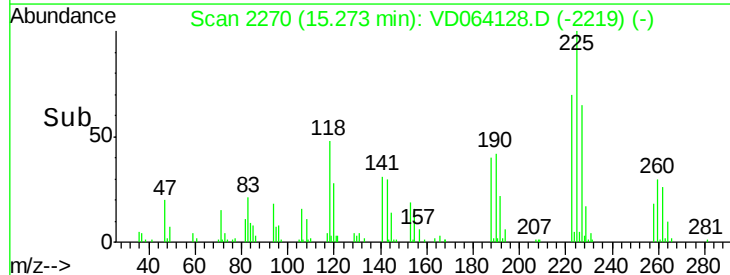
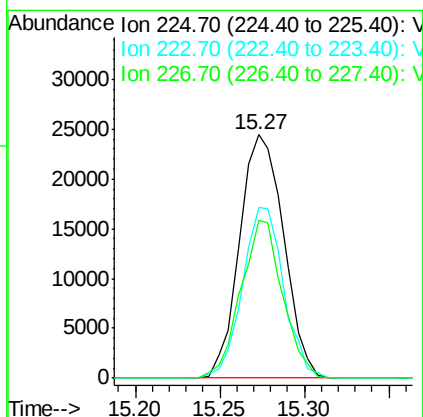
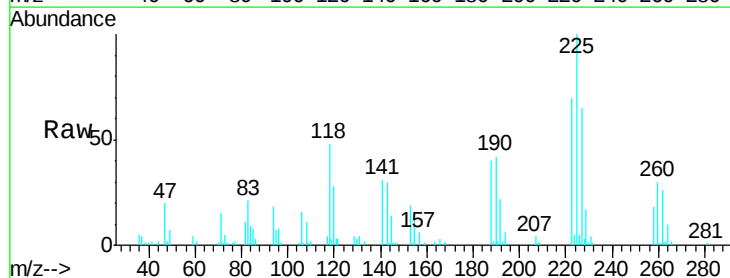
Manual Integrations
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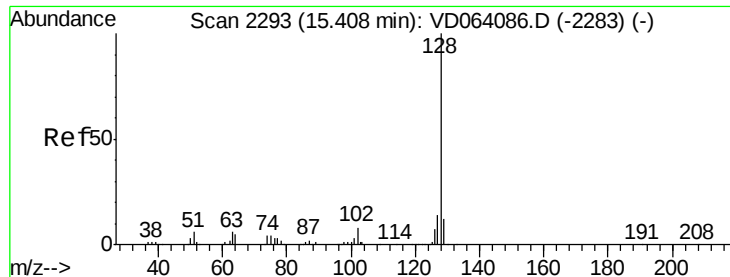
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#94
 Hexachlorobutadiene
 Concen: 21.216 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064128.D
 Acq: 31 Oct 2019 13:03

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	44298		
223	65.8	30.8	92.3	
227	61.7	31.7	95.1	





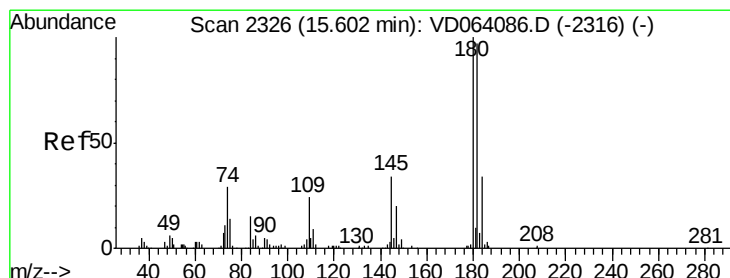
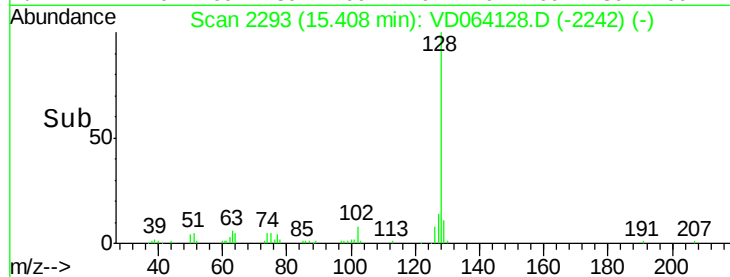
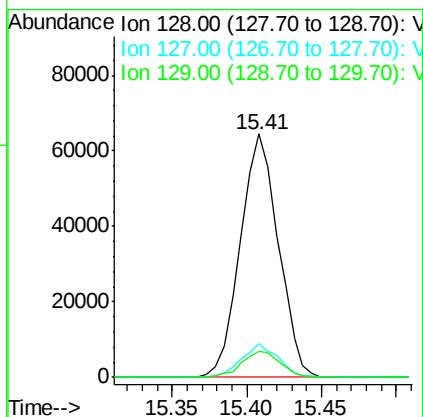
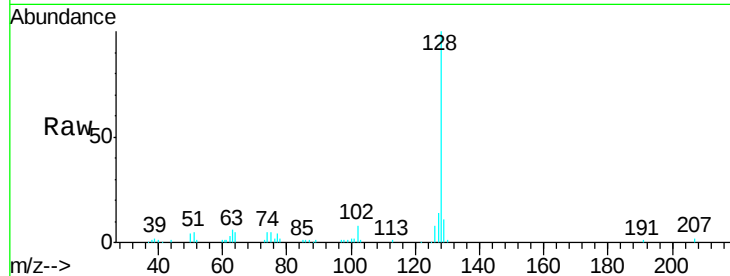
#95
Naphthalene
Concen: 19.555 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Instrument :
MSVOA_D
ClientSampleId :
VD1031SBS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.9	16.3
129	10.8	8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 20.341 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064128.D
Acq: 31 Oct 2019 13:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	48.4	145.0
145	33.9	16.4	49.4

