

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010920\
 Data File : VD064829.D
 Acq On : 09 Jan 2020 21:16
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/10/2020 10:42:25 AM

Quant Time: Jan 10 06:13:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	361465	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	541761	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	491058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	247635	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	196852	61.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	123.52%	
35) Dibromofluoromethane	7.92	113	191656	57.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.32%	
50) Toluene-d8	10.34	98	713957	56.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.18%	
62) 4-Bromofluorobenzene	12.64	95	230120	57.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	133509	47.527	ug/l	99
3) Chloromethane	2.21	50	206481	52.557	ug/l	99
4) Vinyl Chloride	2.35	62	245733	51.299	ug/l	98
5) Bromomethane	2.77	94	173684	49.867	ug/l	98
6) Chloroethane	2.92	64	174842	54.473	ug/l	97
7) Trichlorofluoromethane	3.27	101	412207	51.107	ug/l	95
8) Diethyl Ether	3.71	74	91787	57.308	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	180481	54.032	ug/l	97
10) Methyl Iodide	4.29	142	200791	55.962	ug/l	100
11) Tert butyl alcohol	5.26	59	54620	299.011	ug/l	99
12) 1,1-Dichloroethene	4.06	96	162240	51.017	ug/l	97
13) Acrolein	3.93	56	59538	233.871	ug/l	100
14) Allyl chloride	4.71	41	281119	56.698	ug/l	99
15) Acrylonitrile	5.43	53	207918	311.656	ug/l	98
16) Acetone	4.16	43	212965	328.784	ug/l	91
17) Carbon Disulfide	4.40	76	497946	48.425	ug/l	99
18) Methyl Acetate	4.73	43	109428	60.981	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	440091	62.305	ug/l	97
20) Methylene Chloride	4.97	84	203263	63.693	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	197889	54.640	ug/l	97
22) Diisopropyl ether	6.37	45	614731	62.160	ug/l	99
23) Vinyl Acetate	6.31	43	1756981	313.189	ug/l	100
24) 1,1-Dichloroethane	6.27	63	353186	59.489	ug/l	98
25) 2-Butanone	7.22	43	277245	316.444	ug/l	99
26) 2,2-Dichloropropane	7.21	77	299340	54.228	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	224415	57.415	ug/l	97
28) Bromochloromethane	7.54	49	144819	62.749	ug/l	98
29) Tetrahydrofuran	7.57	42	171834	315.383	ug/l	99
30) Chloroform	7.71	83	377531	60.609	ug/l	98
31) Cyclohexane	7.98	56	295474	49.718	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	331205	56.610	ug/l	100
36) 1,1-Dichloropropene	8.11	75	280803	53.851	ug/l	99
37) Ethyl Acetate	7.30	43	123638	60.356	ug/l	99
38) Carbon Tetrachloride	8.10	117	306397	55.106	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	313815	49.689	ug/l	95
40) Benzene	8.36	78	808466	56.795	ug/l	96
41) Methacrylonitrile	7.54	41	71595	60.238	ug/l	94
42) 1,2-Dichloroethane	8.43	62	245754	59.743	ug/l	98
43) Isopropyl Acetate	8.46	43	241859	59.317	ug/l	100
44) Trichloroethene	9.11	130	224592	53.708	ug/l	99
45) 1,2-Dichloropropane	9.39	63	204469	60.160	ug/l	95
46) Dibromomethane	9.48	93	112787	59.521	ug/l	98
47) Bromodichloromethane	9.67	83	298129	59.125	ug/l	97
48) Methyl methacrylate	9.46	41	112491	58.594	ug/l	89
49) 1,4-Dioxane	9.47	88	26399	1208.207	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	631554	313.371	ug/l	99
52) Toluene	10.40	92	523525	56.057	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	281759	59.935	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	327041	58.999	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	148587	58.184	ug/l	96
56) Ethyl methacrylate	10.67	69	193607	60.705	ug/l	98
57) 1,3-Dichloropropane	10.95	76	263465	59.919	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	332186	273.384	ug/l	99
59) 2-Hexanone	10.99	43	434414	317.586	ug/l	98
60) Dibromochloromethane	11.14	129	207160	58.661	ug/l	99
61) 1,2-Dibromoethane	11.25	107	147550	58.580	ug/l	99
64) Tetrachloroethene	10.88	164	209204	55.531	ug/l	98
65) Chlorobenzene	11.67	112	568725	55.802	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	224505	58.432	ug/l	98
67) Ethyl Benzene	11.75	91	1018621	55.064	ug/l	99
68) m/p-Xylenes	11.86	106	797397	111.678	ug/l	99
69) o-Xylene	12.18	106	363616	56.380	ug/l	100
70) Styrene	12.20	104	653617	57.738	ug/l	99
71) Bromoform	12.37	173	127225	58.065	ug/l #	100
73) Isopropylbenzene	12.48	105	959730	54.233	ug/l	100
74) N-amyl acetate	12.30	43	225296	59.557	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	163472	58.804	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	98599m	50.422	ug/l	
77) Bromobenzene	12.77	156	240267	55.255	ug/l	98
78) n-propylbenzene	12.83	91	1125623	54.522	ug/l	99
79) 2-Chlorotoluene	12.91	91	622457	54.884	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	793300	54.571	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	54714	58.519	ug/l	96
82) 4-Chlorotoluene	13.01	91	669903	55.505	ug/l	99
83) tert-Butylbenzene	13.23	119	686509	54.391	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	808917	55.873	ug/l	97
85) sec-Butylbenzene	13.41	105	936108	54.099	ug/l	99
86) p-Isopropyltoluene	13.52	119	902356	54.538	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	464515	56.038	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	452582	55.578	ug/l	99
89) n-Butylbenzene	13.85	91	802871	53.885	ug/l	99
90) Hexachloroethane	14.12	117	169105	53.505	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	399054	56.457	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25786	57.218	ug/l	95

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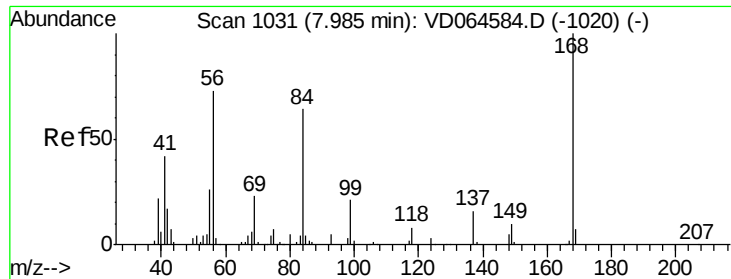
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	273444	52.540	ug/l	99
94) Hexachlorobutadiene	15.27	225	162602	49.649	ug/l	98
95) Naphthalene	15.41	128	468598	56.913	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	241188	54.284	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 361465

Ion Ratio Lower Upper

168 100

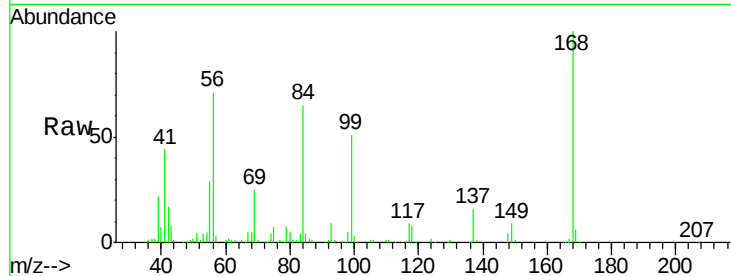
99 51.1 41.8 62.6

Manual Integrations

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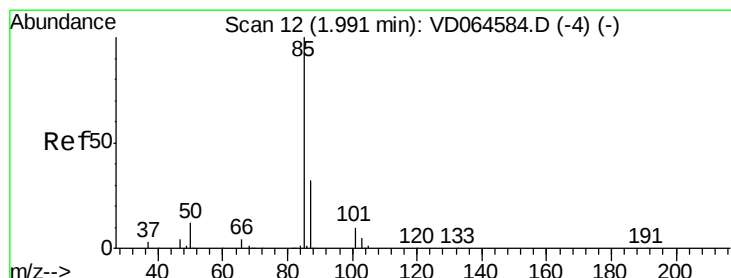
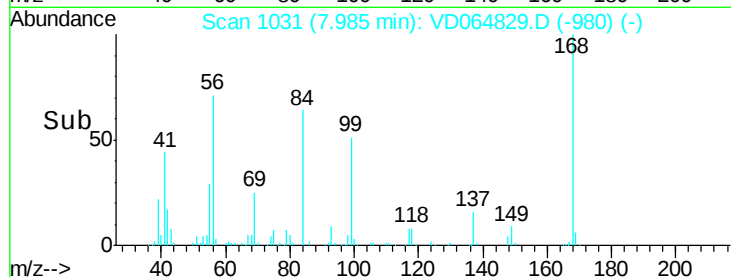
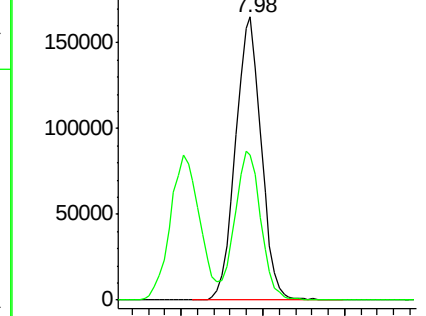
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1/10/2020 10:42:25 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 47.527 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064829.D

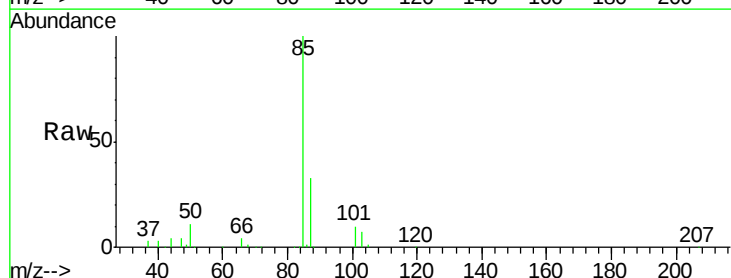
Acq: 09 Jan 2020 21:16

Tgt Ion: 85 Resp: 133509

Ion Ratio Lower Upper

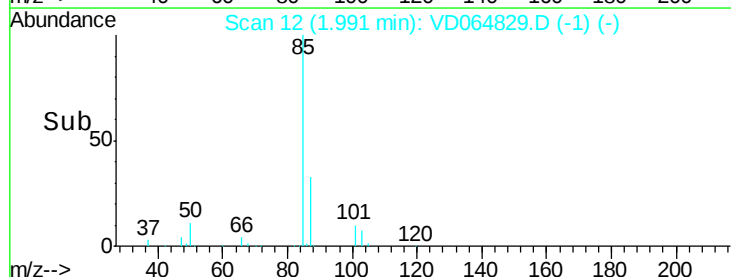
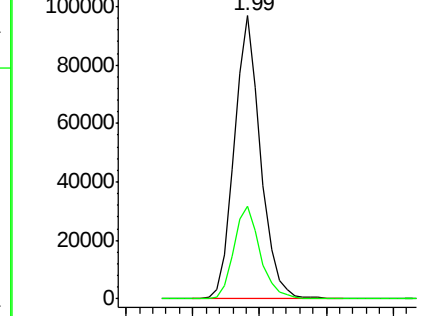
85 100

87 32.5 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.557 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 206481

Ion Ratio Lower Upper

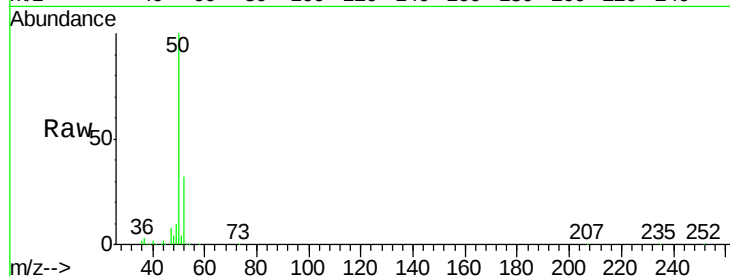
50 100

52 32.3 26.5 39.7

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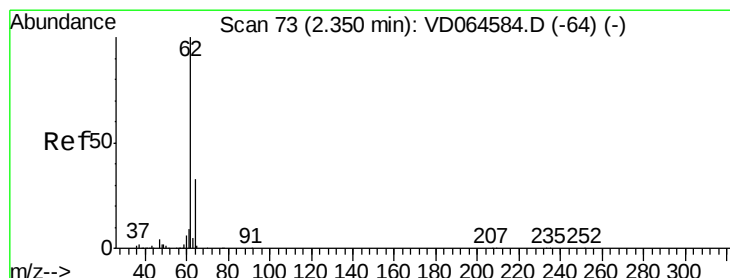
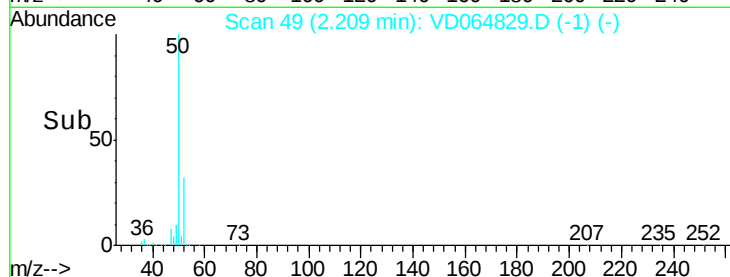
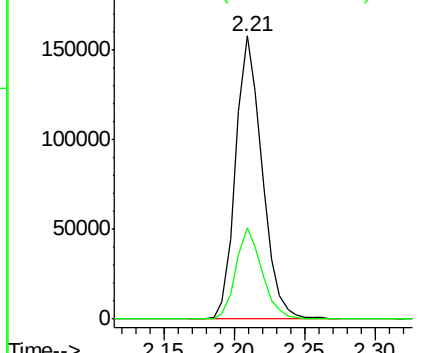
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.299 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064829.D

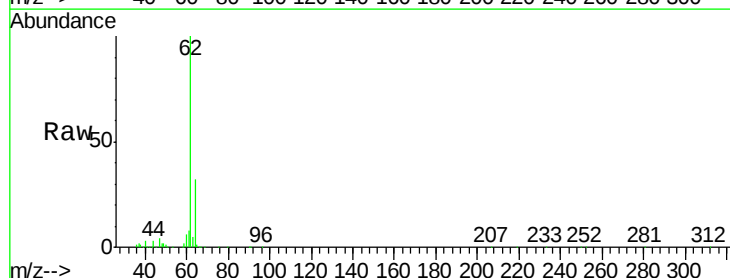
Acq: 09 Jan 2020 21:16

Tgt Ion: 62 Resp: 245733

Ion Ratio Lower Upper

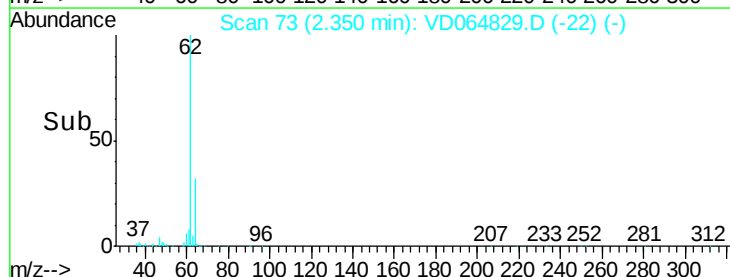
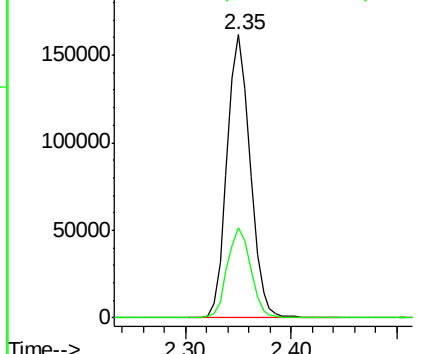
62 100

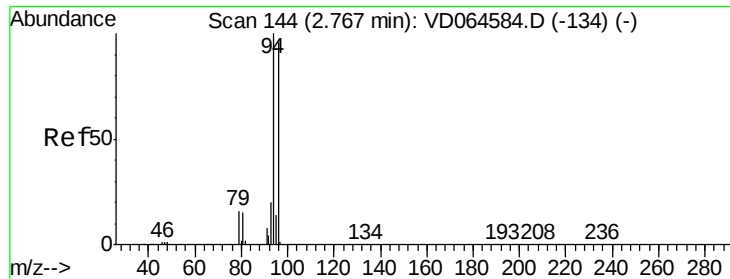
64 31.9 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 49.867 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 173684

Ion Ratio Lower Upper

94 100

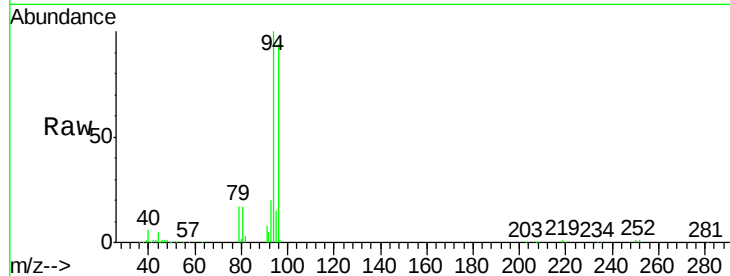
96 94.2 77.2 115.8

Manual Integrations

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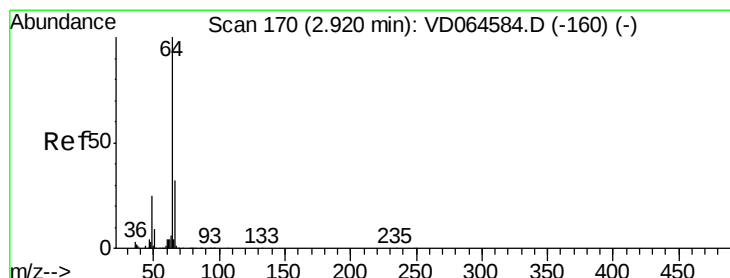
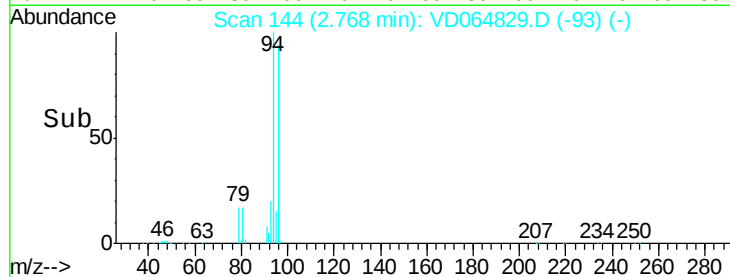
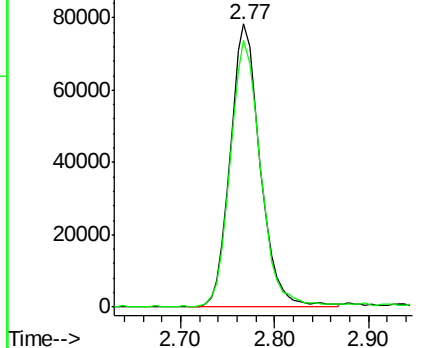
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 54.473 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064829.D

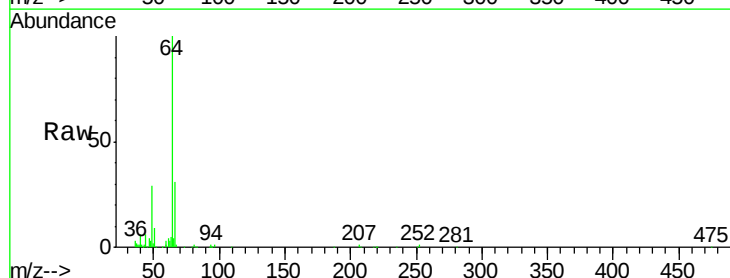
Acq: 09 Jan 2020 21:16

Tgt Ion: 64 Resp: 174842

Ion Ratio Lower Upper

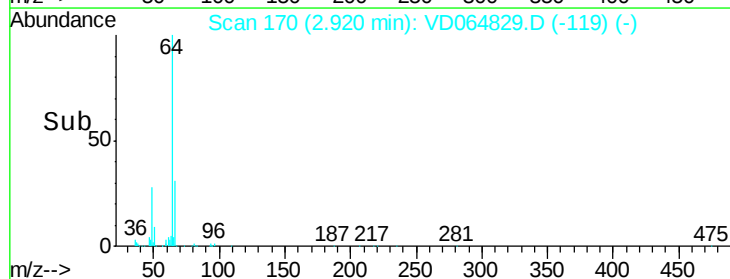
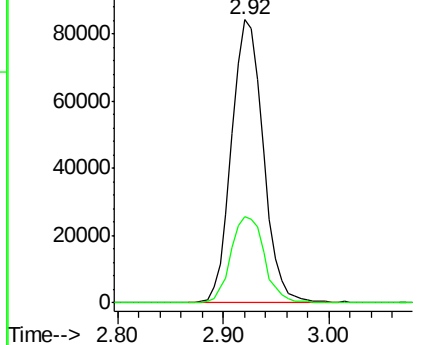
64 100

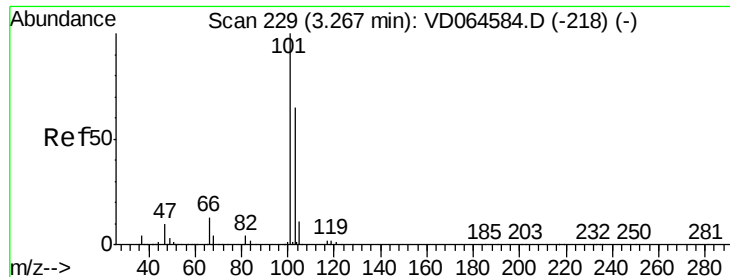
66 30.7 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

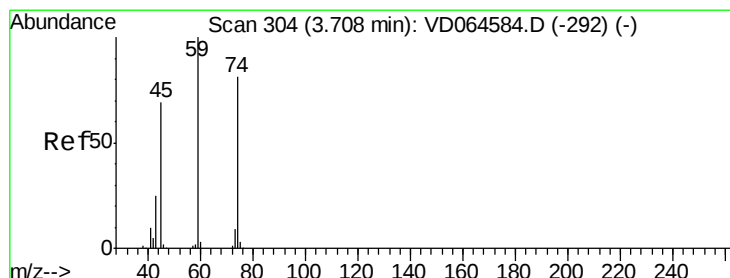
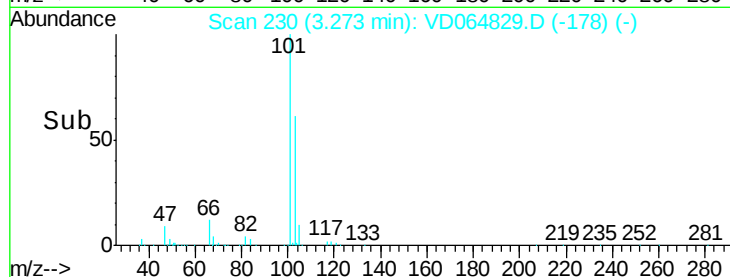
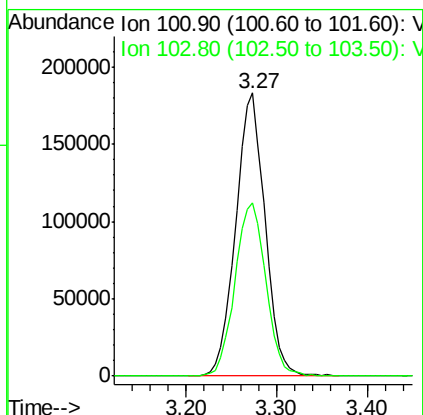
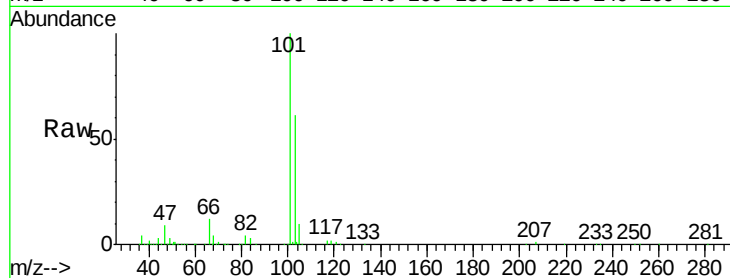
Trichlorofluoromethane
Concen: 51.107 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.4	52.2	78.4

Manual Integrations
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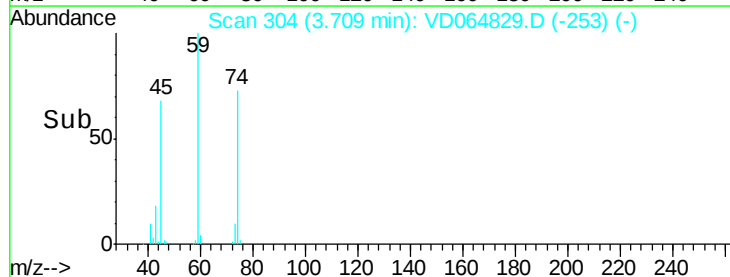
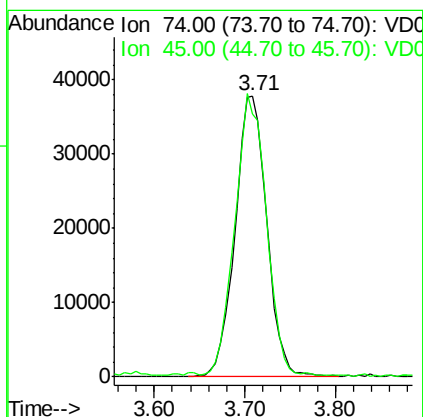
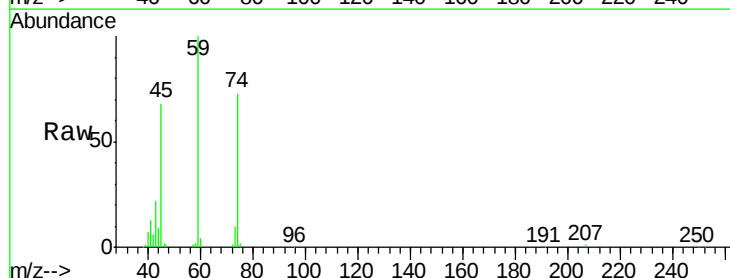
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1/10/2020 10:42:25 AM

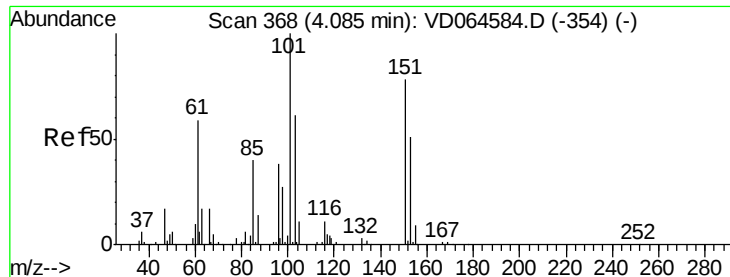


#8

Diethyl Ether
Concen: 57.308 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.3	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 54.032 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

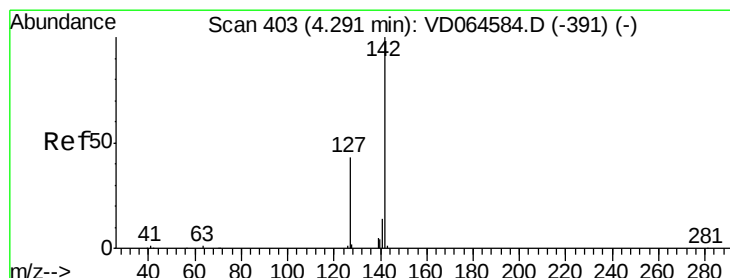
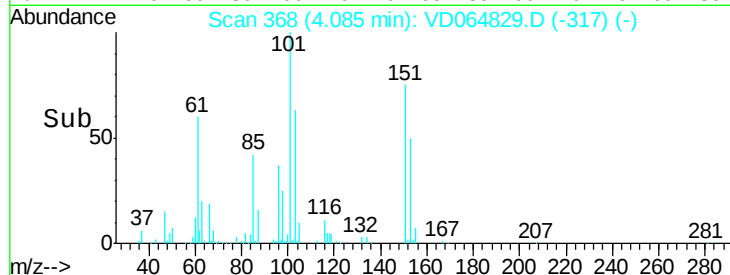
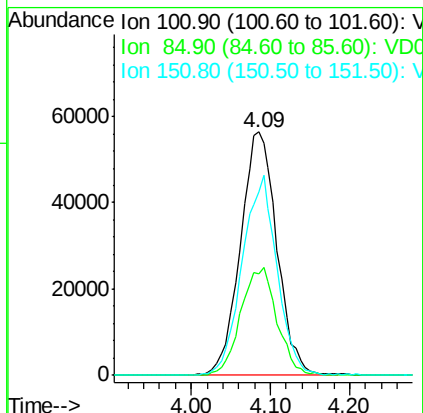
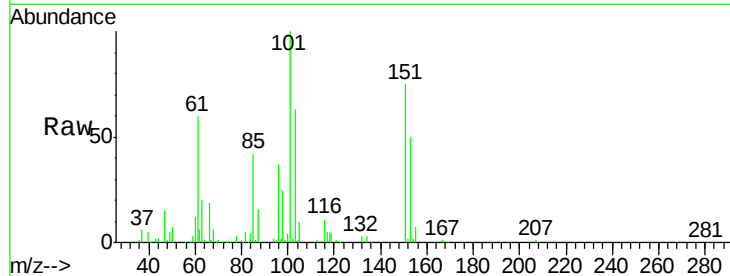
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	180481
Ion Ratio	Lower	Upper	
101	100		
85	44.1	35.2	52.8
151	78.3	66.2	99.4

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#10

Methyl Iodide

Concen: 55.962 ug/l

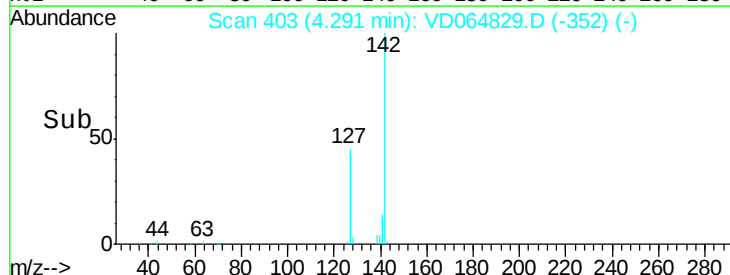
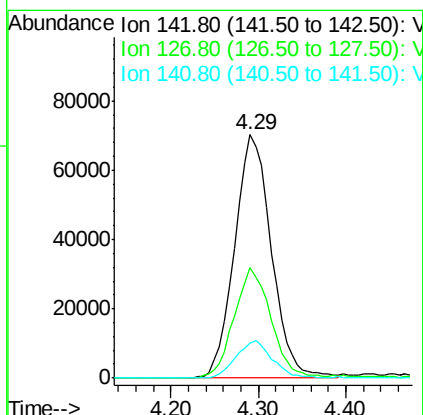
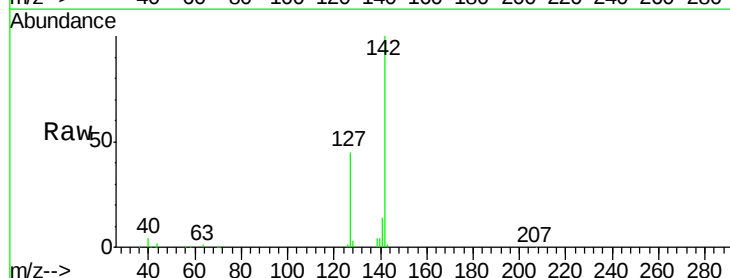
RT: 4.29 min Scan# 403

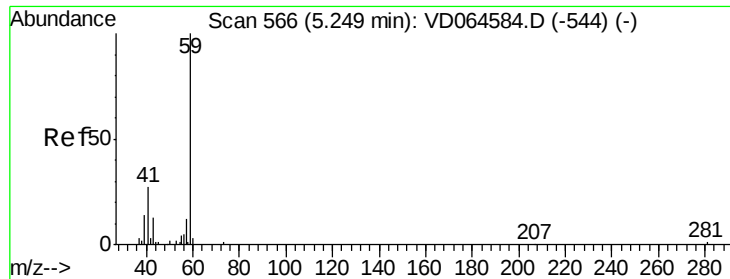
Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Tgt Ion:	142	Resp:	200791
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.2	54.4
141	15.1	11.8	17.8





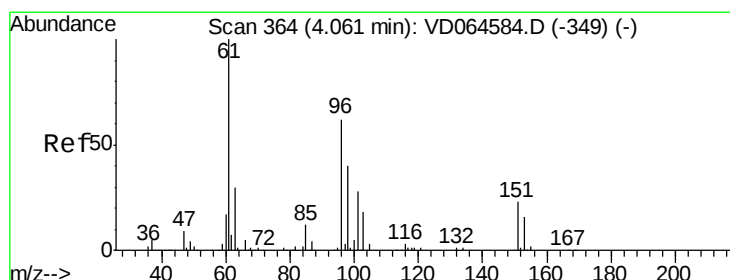
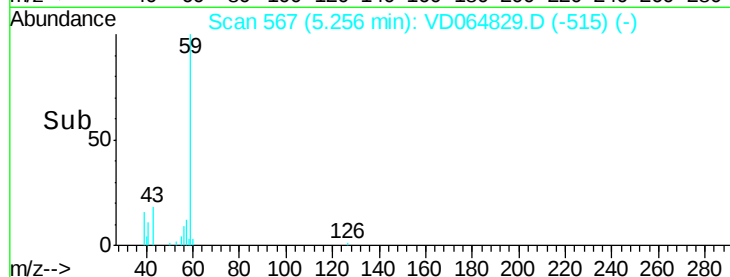
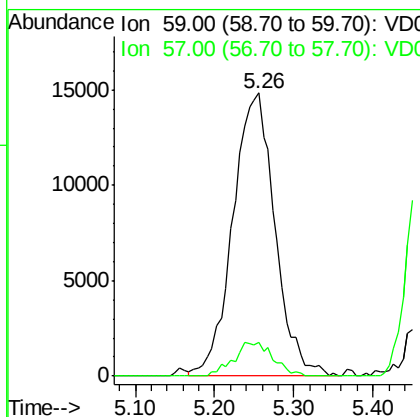
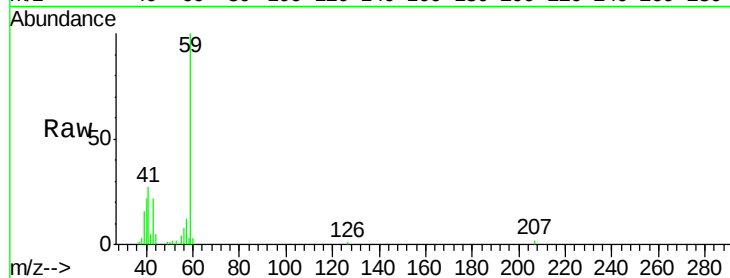
#11
Tert butyl alcohol
Concen: 299.011 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 54620
Ion Ratio Lower Upper
59 100
57 11.0 9.3 13.9

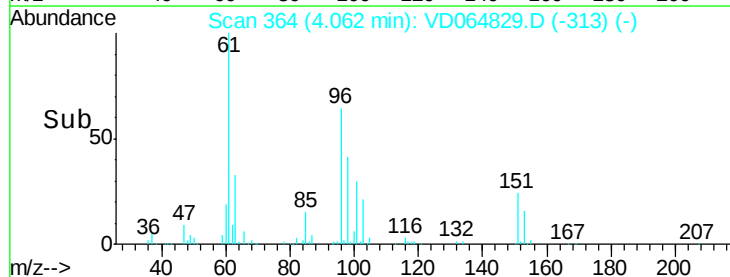
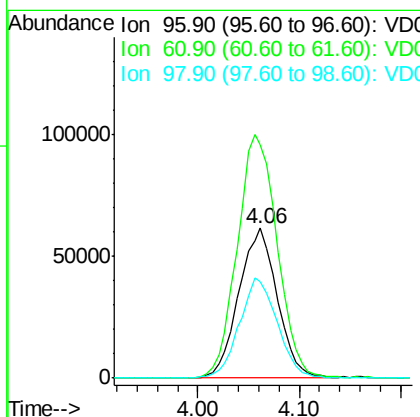
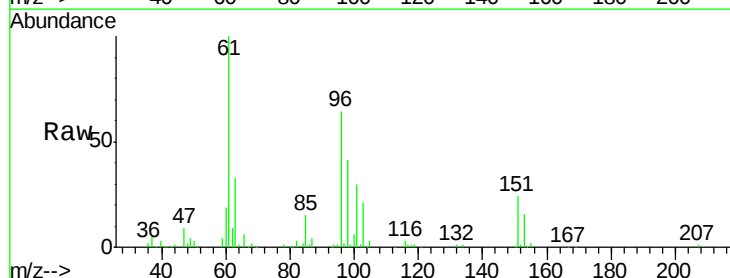
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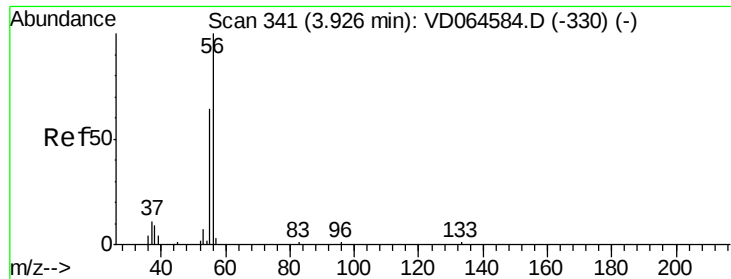
MMDadoda
1/10/2020 10:42:25 AM



#12
1,1-Dichloroethene
Concen: 51.017 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion: 96 Resp: 162240
Ion Ratio Lower Upper
96 100
61 156.0 129.4 194.0
98 64.7 51.4 77.0





#13

Acrolein

Concen: 233.871 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 59538

Ion Ratio Lower Upper

56 100

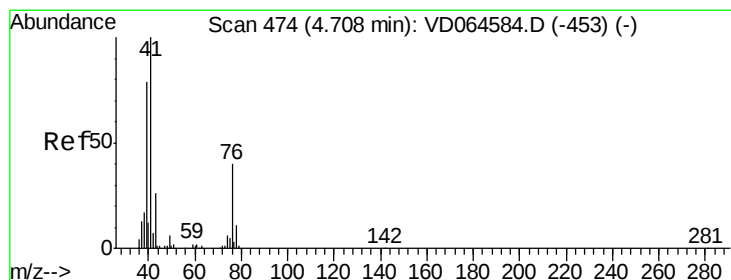
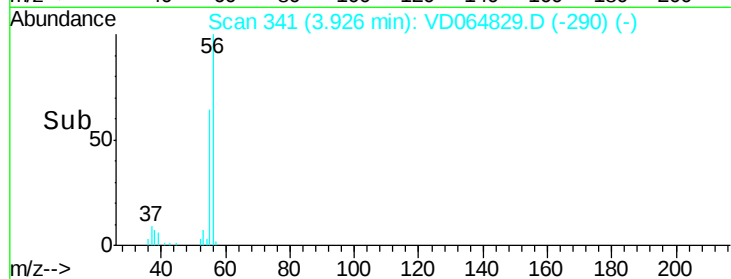
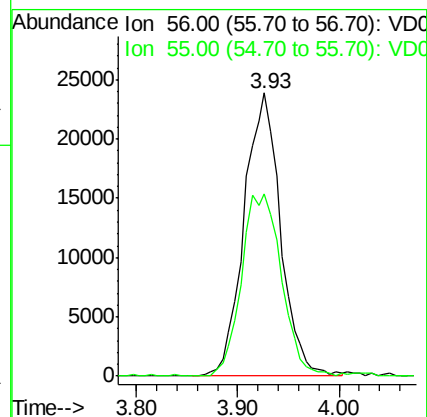
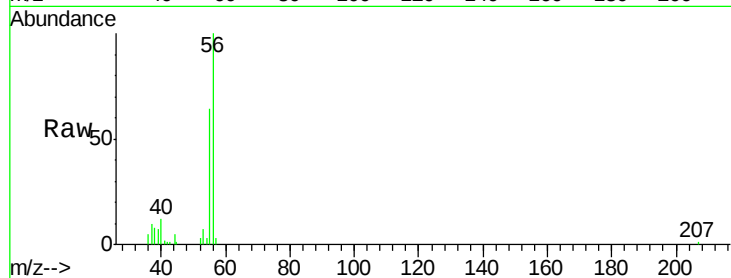
55 70.6 56.7 85.1

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#14

Allyl chloride

Concen: 56.698 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

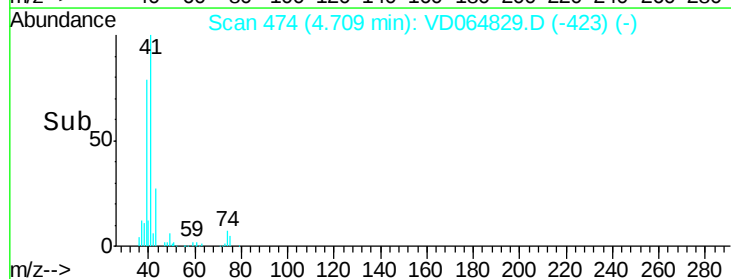
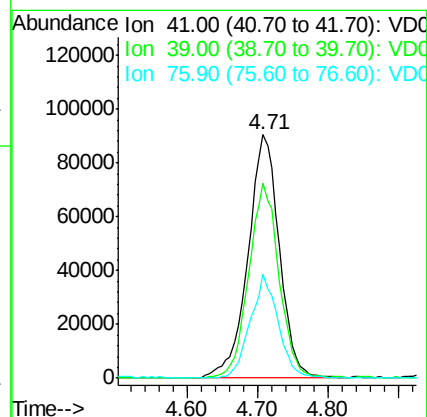
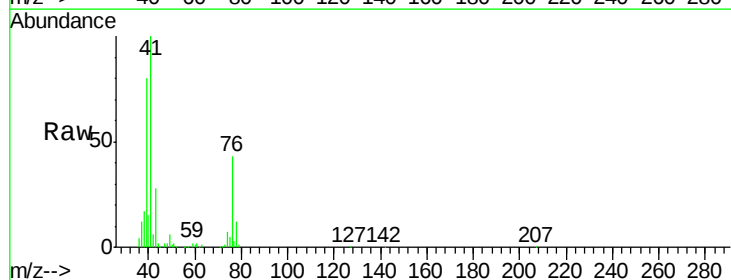
Tgt Ion: 41 Resp: 281119

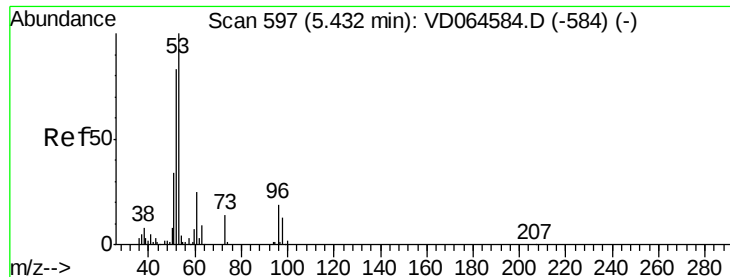
Ion Ratio Lower Upper

41 100

39 76.9 62.3 93.5

76 38.0 29.7 44.5





#15

Acrylonitrile

Concen: 311.656 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

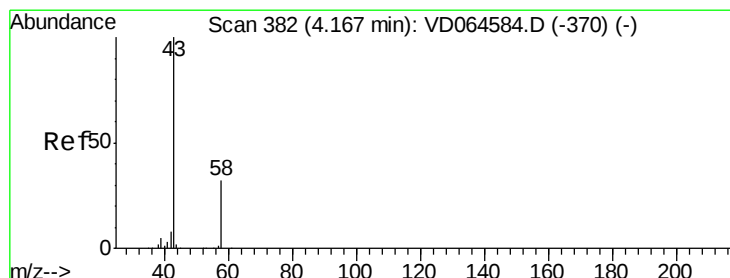
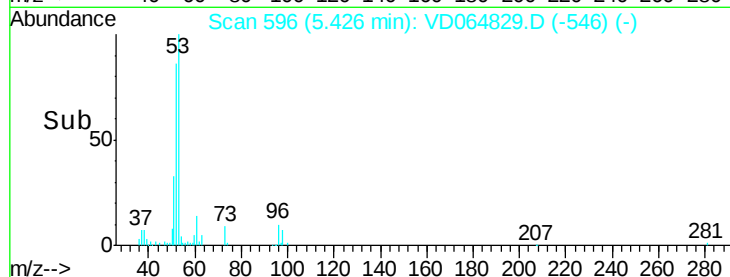
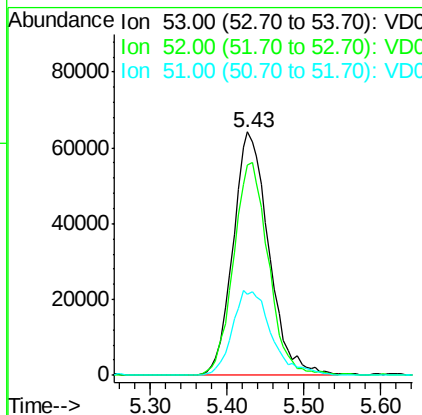
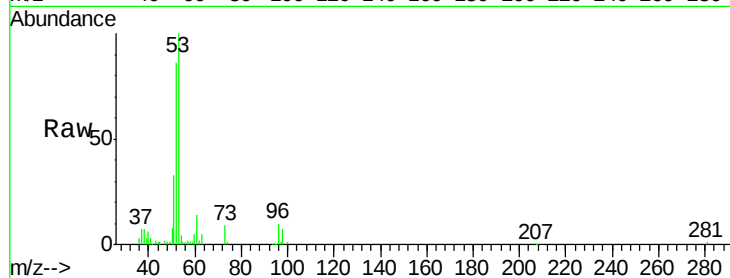
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	207918
Ion Ratio	Lower	Upper	
53	100		
52	85.5	66.2	99.2
51	38.1	30.1	45.1

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#16

Acetone

Concen: 328.784 ug/l

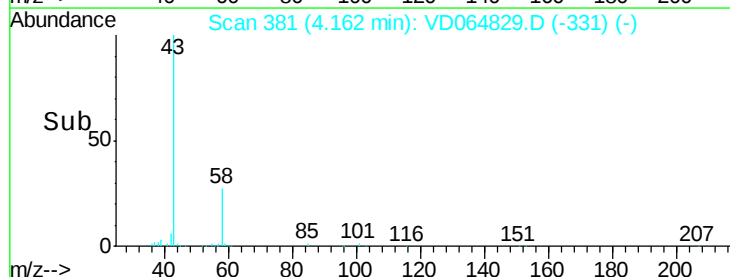
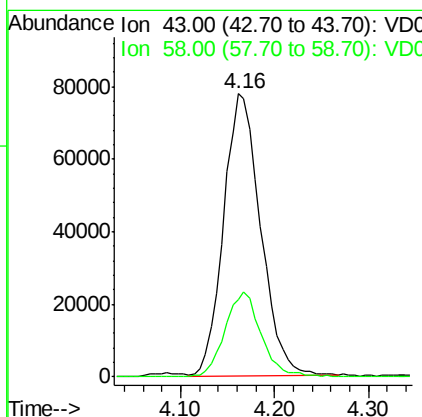
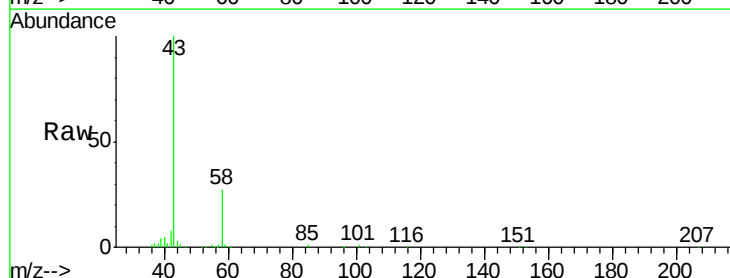
RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Tgt Ion:	43	Resp:	212965
Ion Ratio	Lower	Upper	
43	100		
58	27.4	25.8	38.6





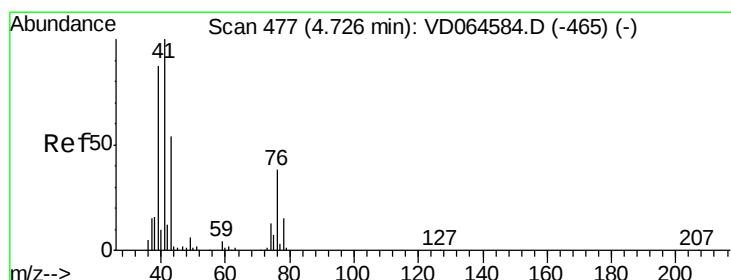
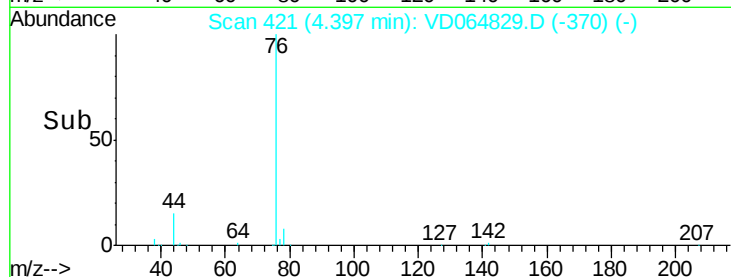
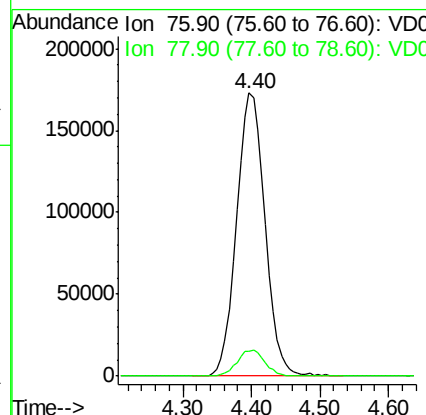
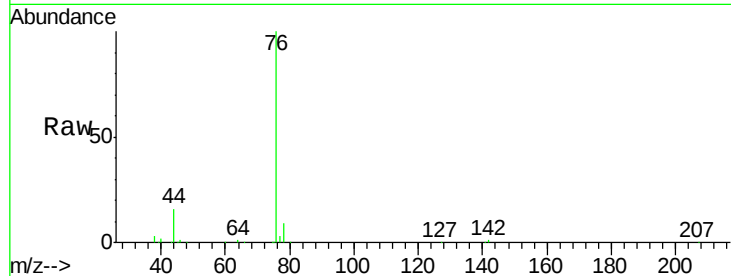
#17
Carbon Disulfide
Concen: 48.425 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

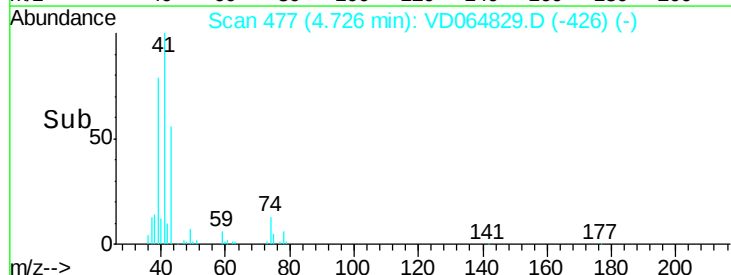
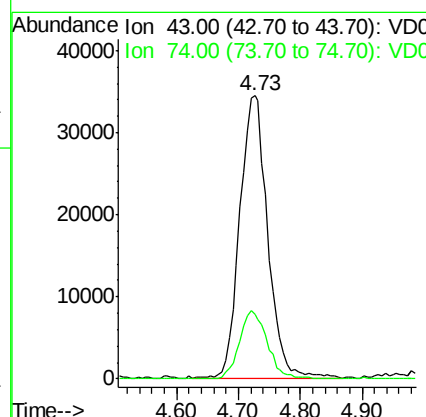
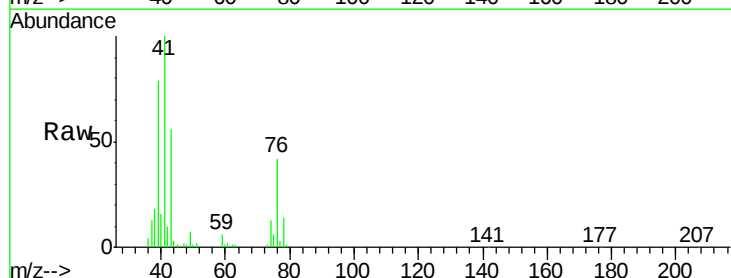
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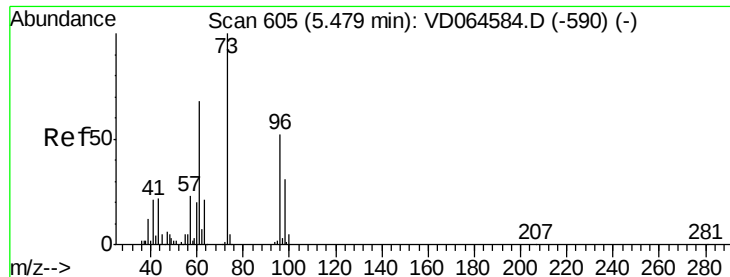
MMDadoda
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#18
Methyl Acetate
Concen: 60.981 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.2	28.8





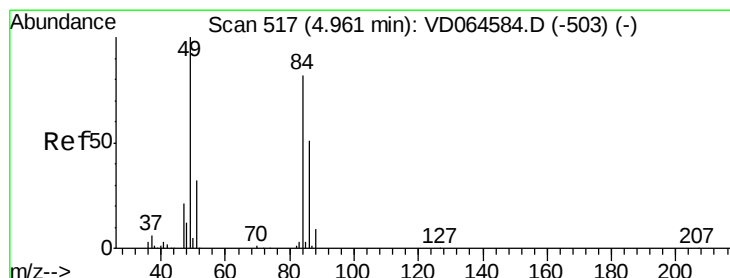
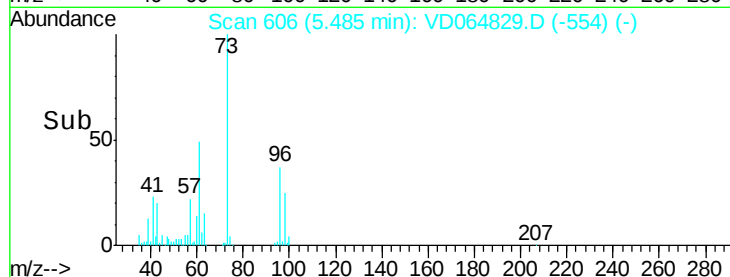
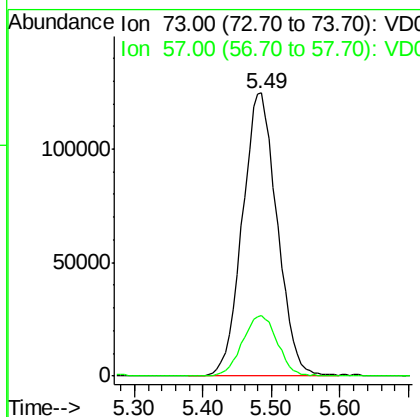
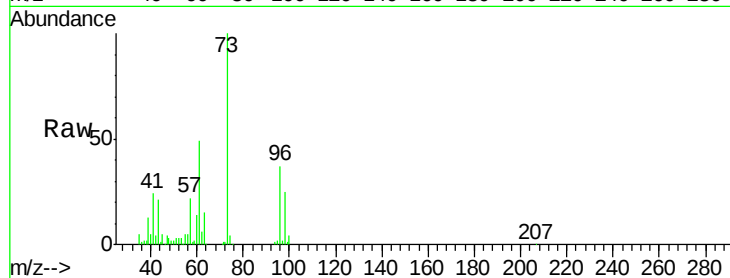
#19
Methyl tert-butyl Ether
Concen: 62.305 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.6	27.8

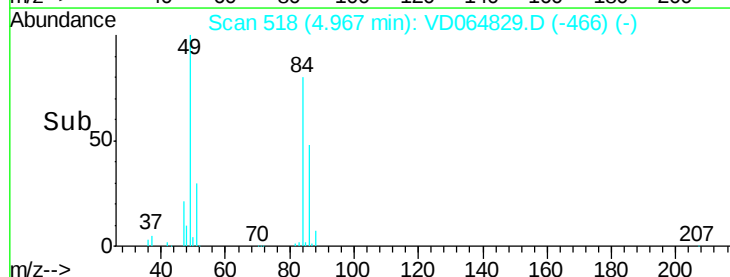
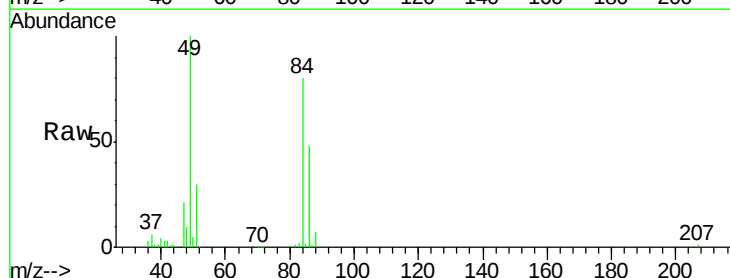
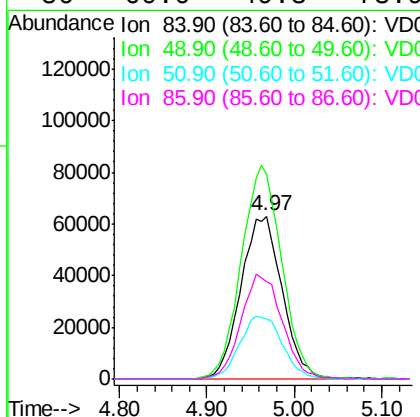
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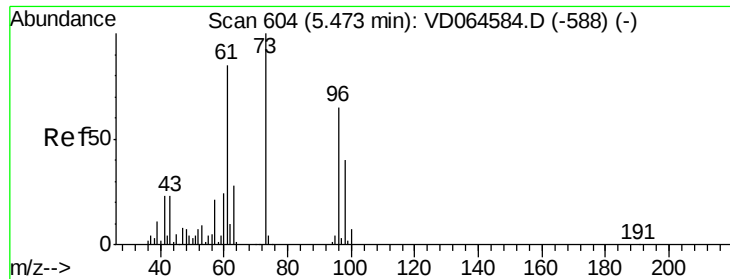
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#20
Methylene Chloride
Concen: 63.693 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
84	100		
49	125.3	97.2	145.8
51	37.1	31.4	47.0
86	60.0	49.3	73.9





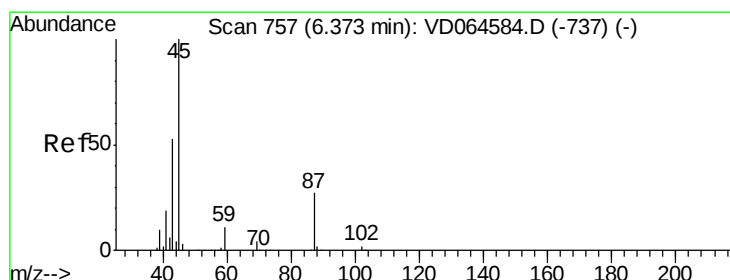
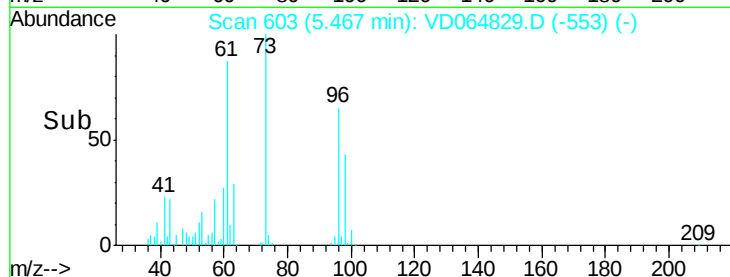
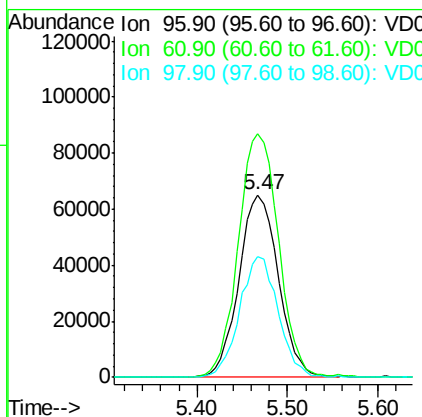
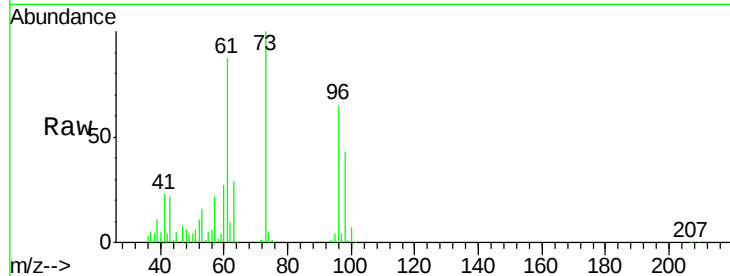
#21
trans-1,2-Dichloroethene
Concen: 54.640 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.6	104.7	157.1
98	66.4	49.4	74.2

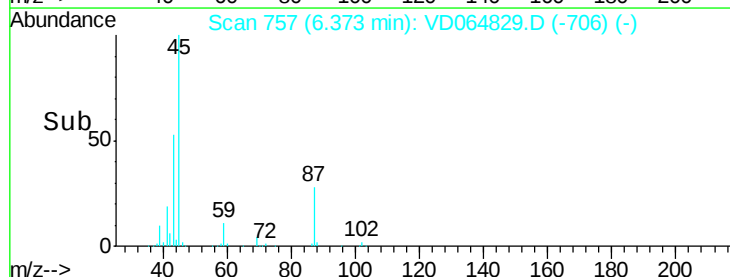
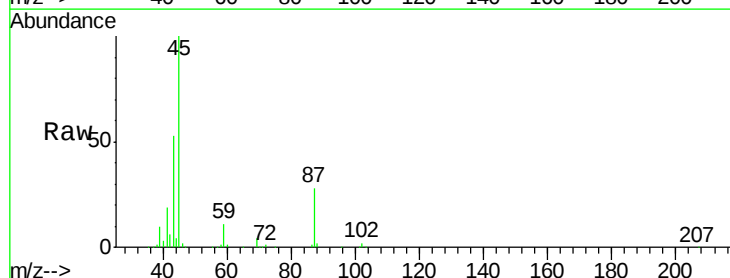
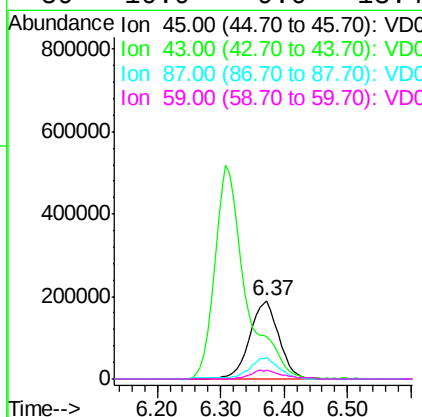
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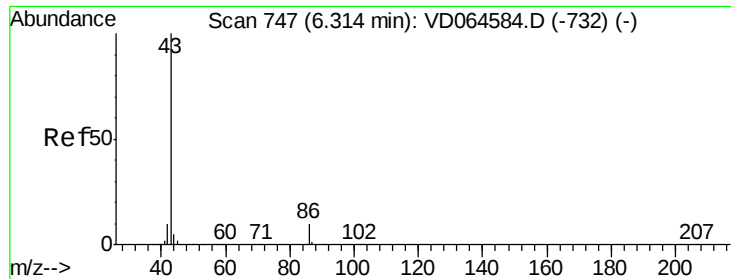
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#22
Diisopropyl ether
Concen: 62.160 ug/l
RT: 6.37 min Scan# 757
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
45	100		
43	52.5	43.2	64.8
87	27.6	21.9	32.9
59	10.9	9.0	13.4





#23

Vinyl Acetate

Concen: 313.189 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1756981

Ion Ratio Lower Upper

43 100

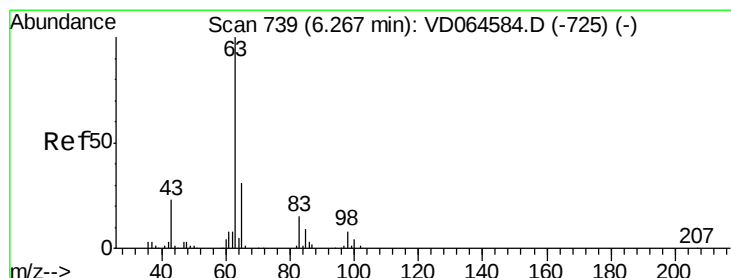
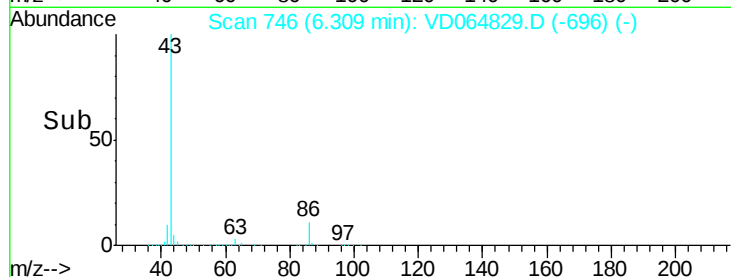
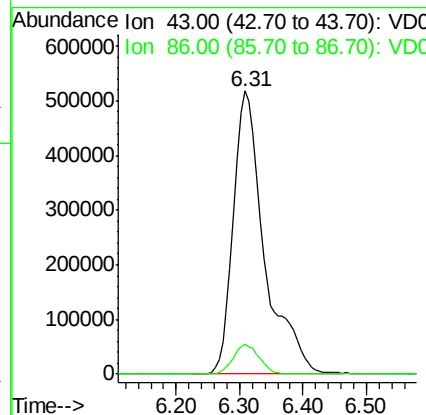
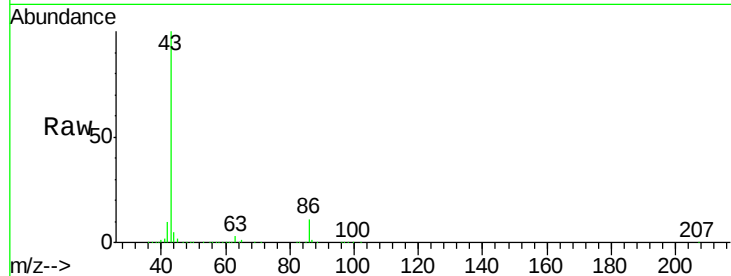
86 10.6 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 59.489 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

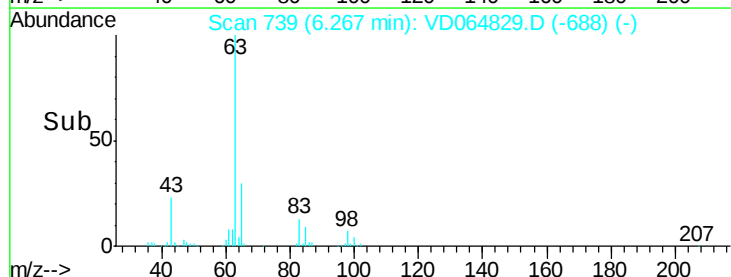
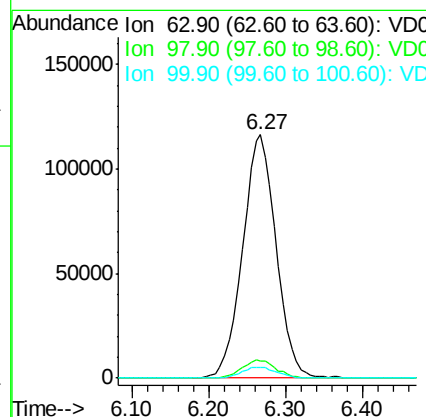
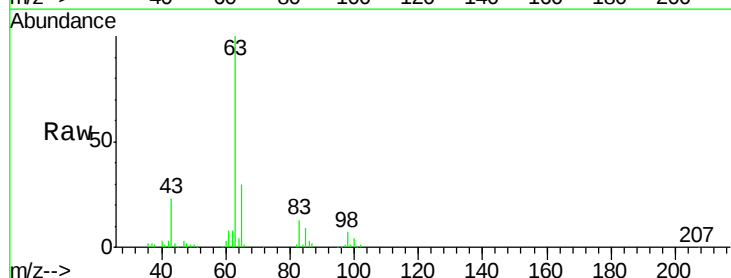
Tgt Ion: 63 Resp: 353186

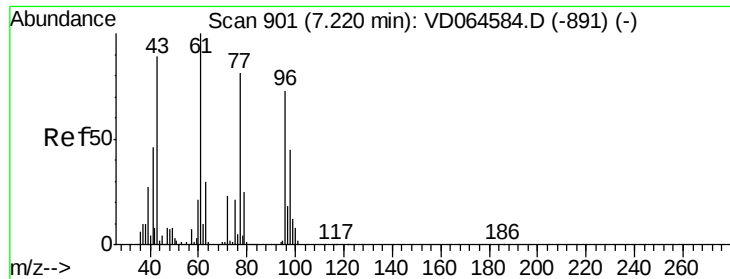
Ion Ratio Lower Upper

63 100

98 7.0 4.1 12.3

100 4.3 2.2 6.6





#25

2-Butanone

Concen: 316.444 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 277245

Ion Ratio Lower Upper

43 100

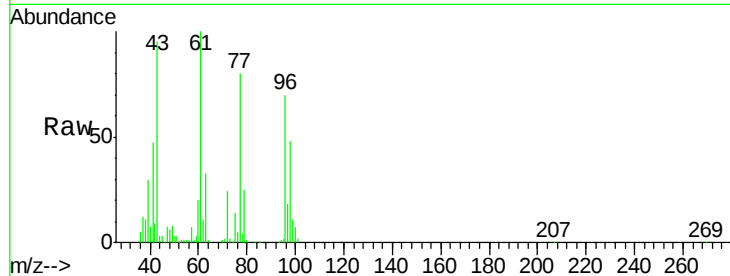
72 25.4 20.7 31.1

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

120000

100000

80000

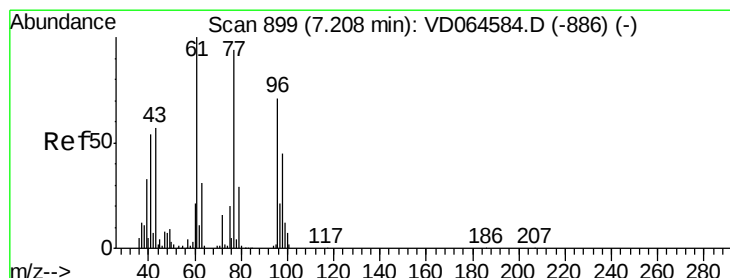
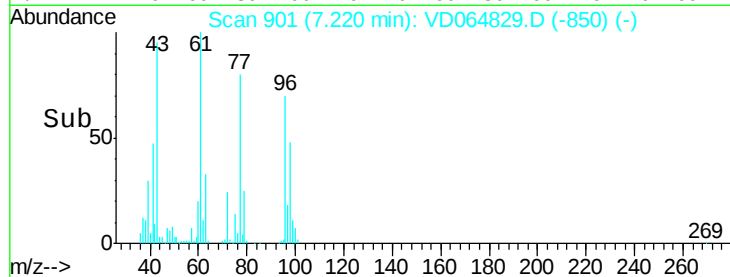
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 54.228 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064829.D

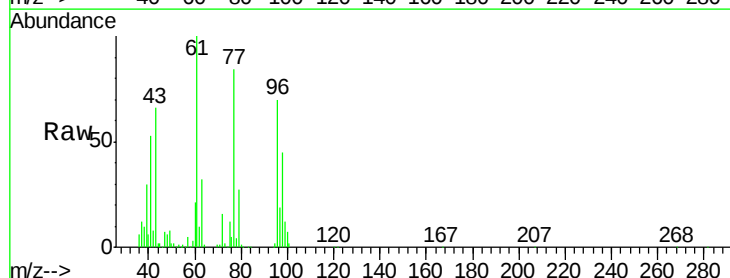
Acq: 09 Jan 2020 21:16

Tgt Ion: 77 Resp: 299340

Ion Ratio Lower Upper

77 100

97 22.9 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

120000

100000

80000

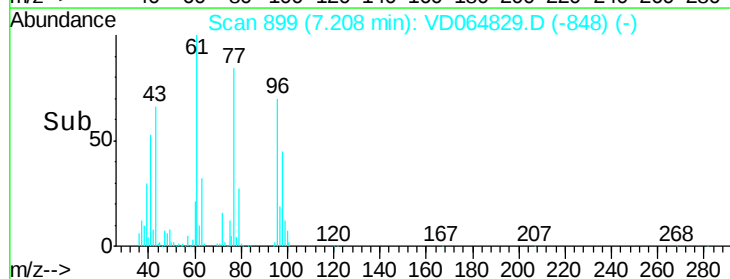
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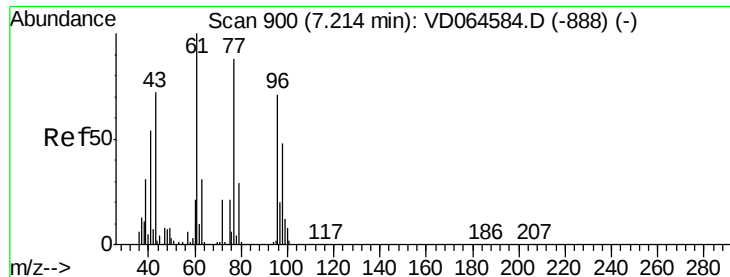
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20000

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Time-->





#27

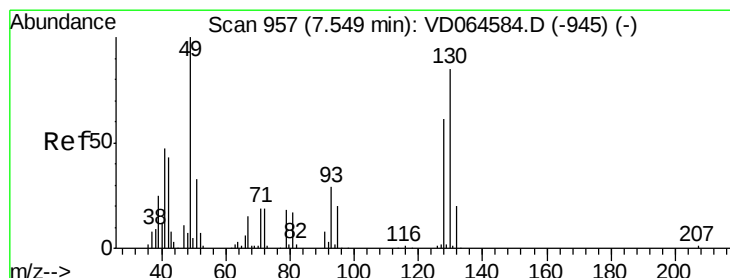
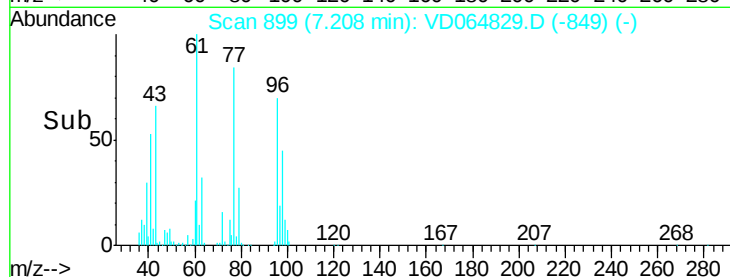
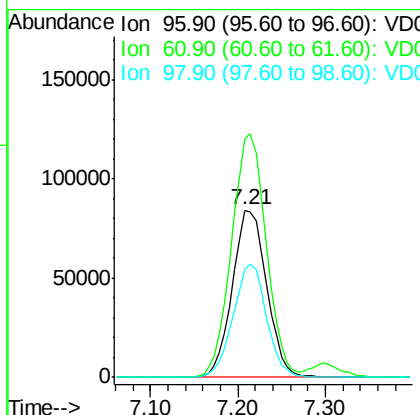
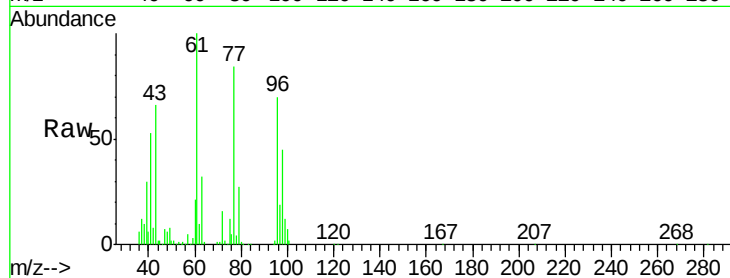
cis-1,2-Dichloroethene
Concen: 57.415 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	147.1	0.0	282.6
98	65.7	0.0	130.8

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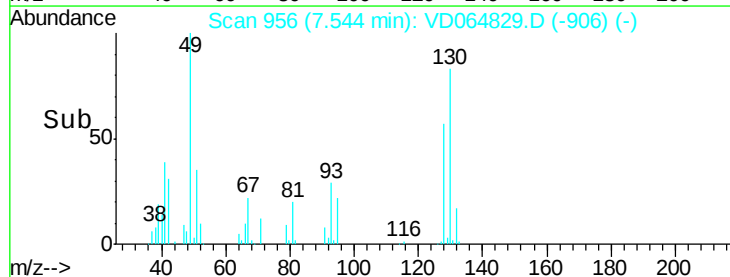
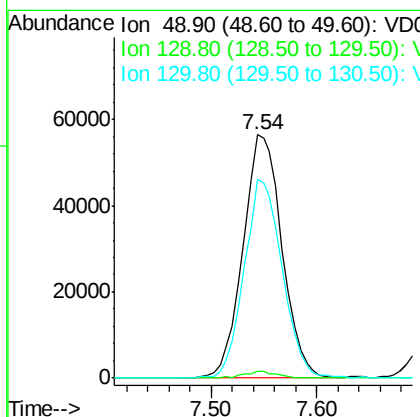
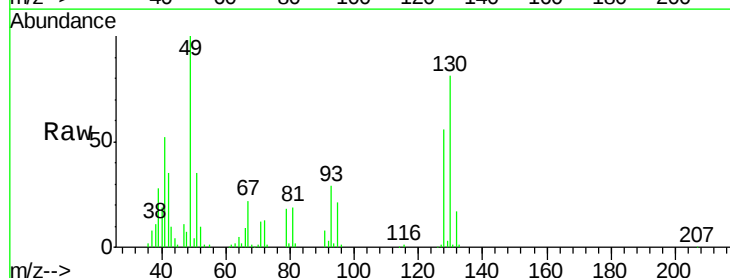
MMDadoda
1/10/2020 10:42:25 AM

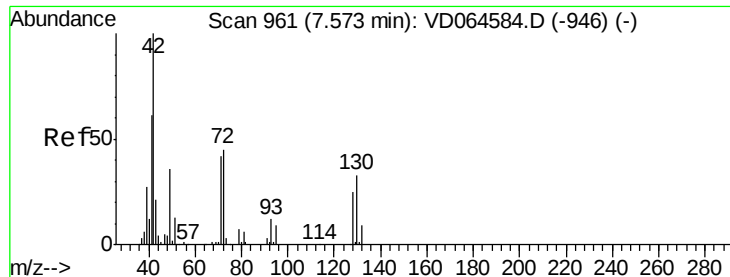


#28

Bromochloromethane
Concen: 62.749 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.8
130	79.8	65.0	97.6





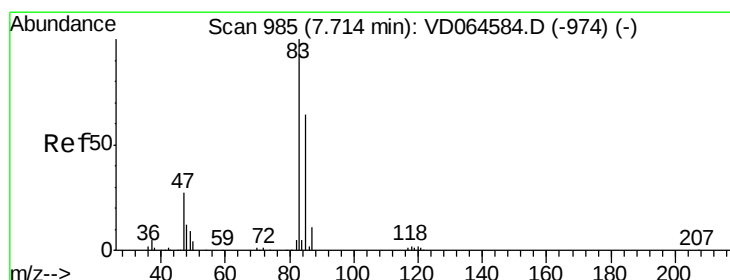
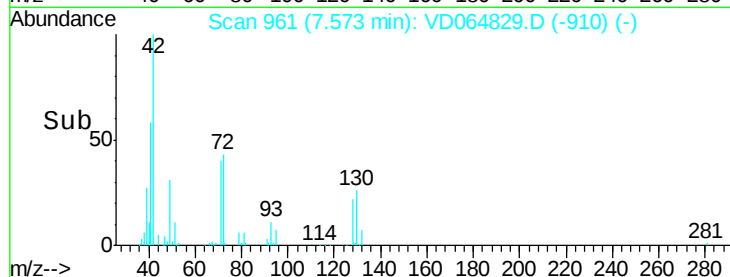
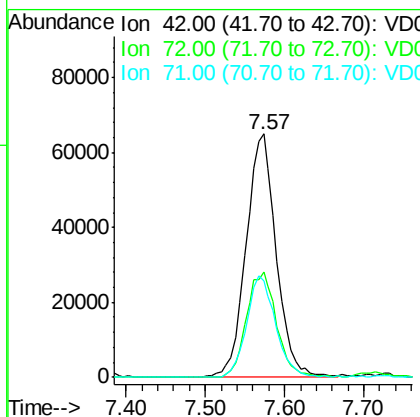
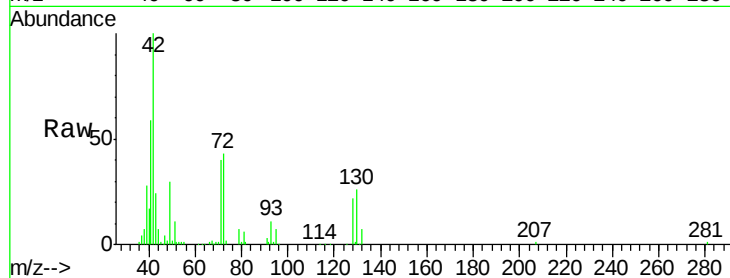
#29
Tetrahydrofuran
Concen: 315.383 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	35.0	52.4
71	40.1	32.9	49.3

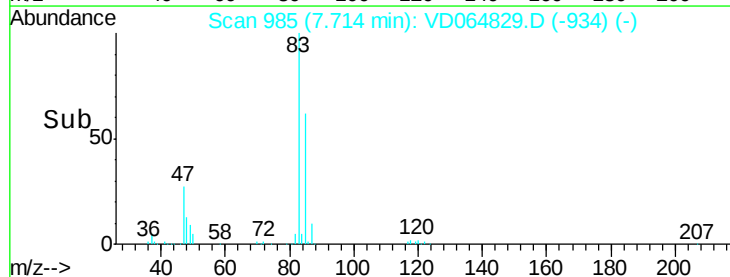
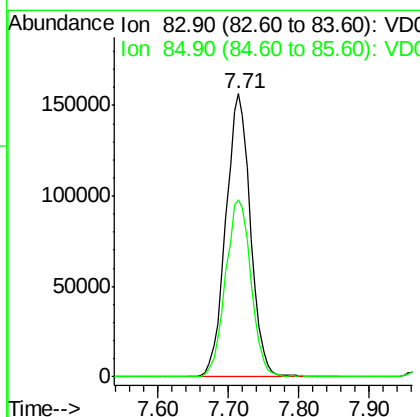
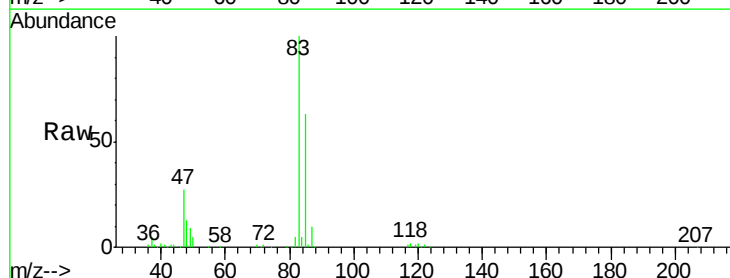
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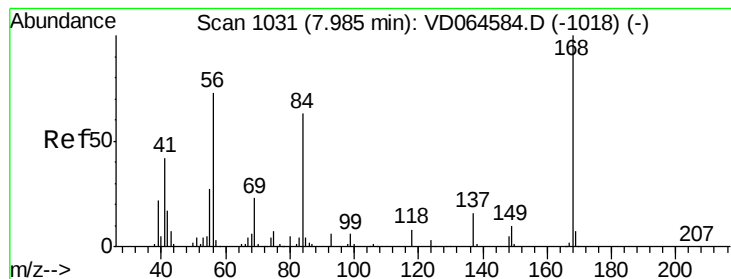
MMDadoda
1/10/2020 10:42:25 AM



#30
Chloroform
Concen: 60.609 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	51.1	76.7





#31

Cyclohexane

Concen: 49.718 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

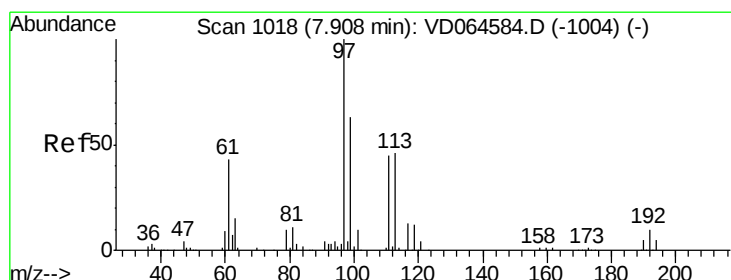
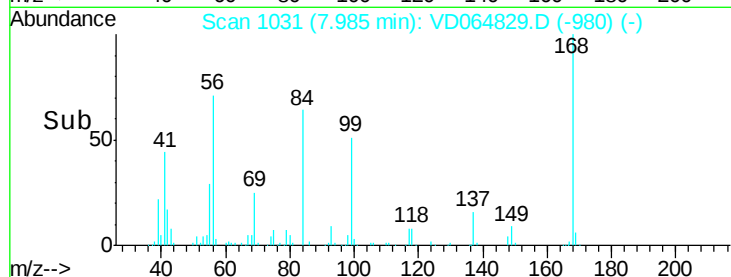
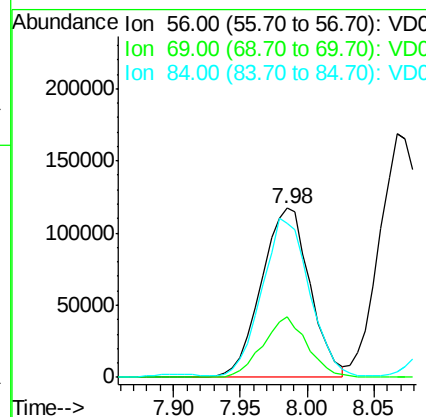
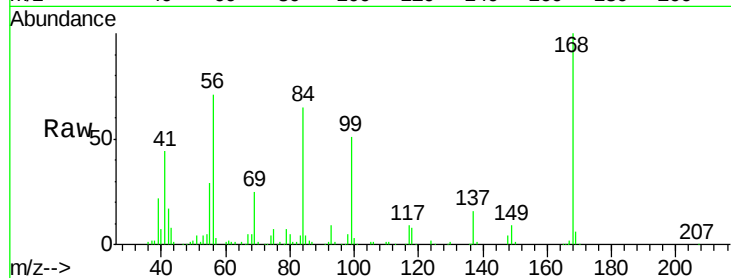
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	295474
Ion Ratio	Lower	Upper	
56	100		
69	35.7	24.7	37.1
84	89.5	69.4	104.2

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#32

1,1,1-Trichloroethane

Concen: 56.610 ug/l

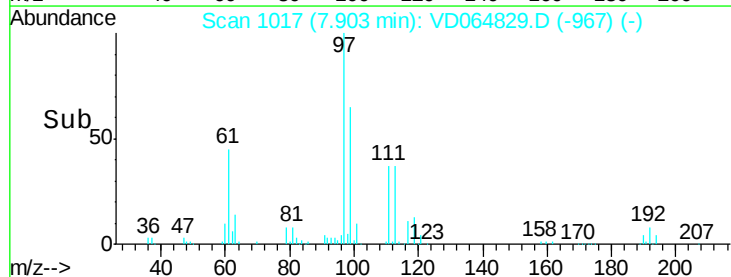
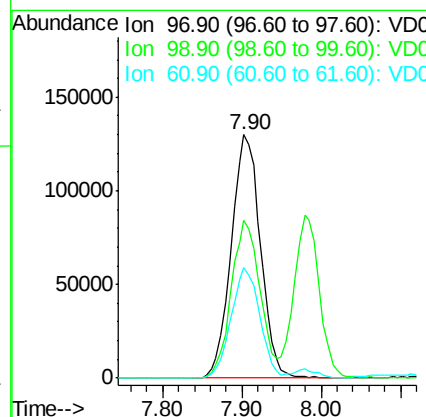
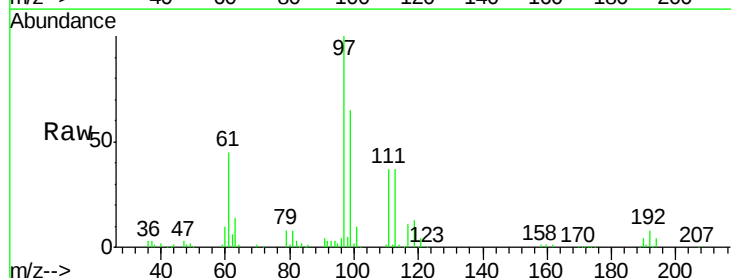
RT: 7.90 min Scan# 1017

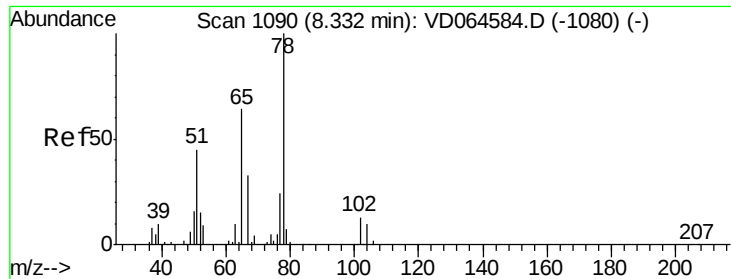
Delta R.T. -0.01 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Tgt Ion:	97	Resp:	331205
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.0	76.6
61	44.6	35.4	53.0





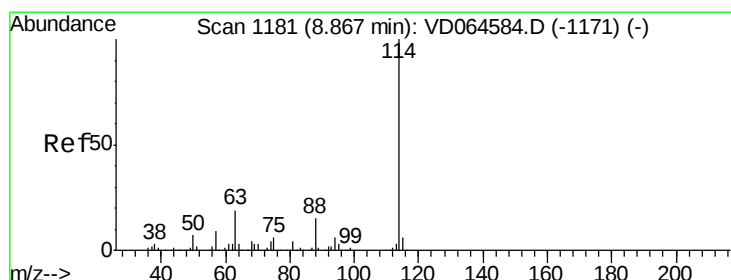
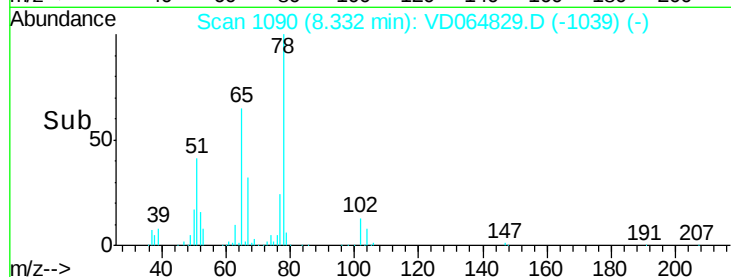
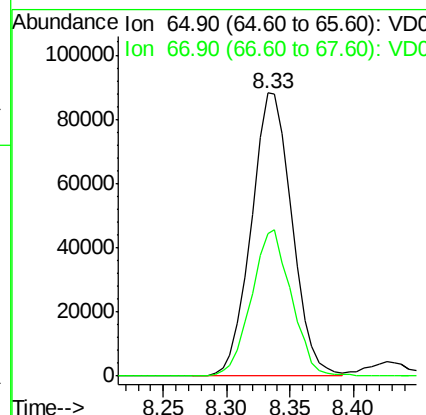
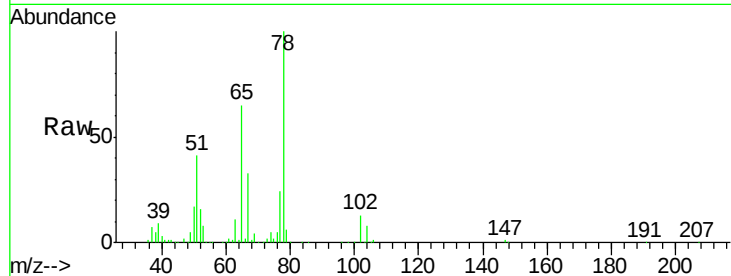
#33
 1,2-Dichloroethane-d4
 Concen: 61.760 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	196852		
67	50.9	0.0	106.2	

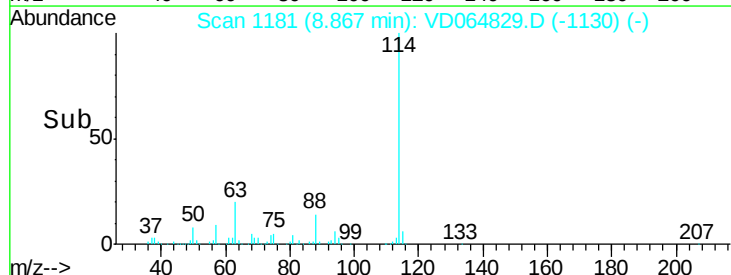
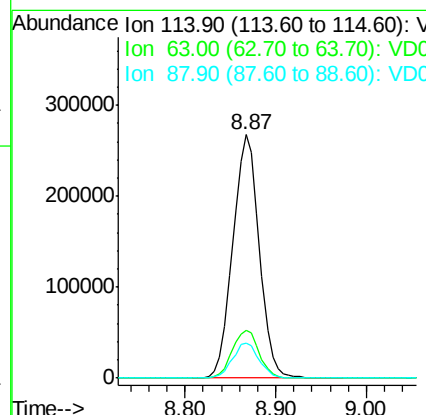
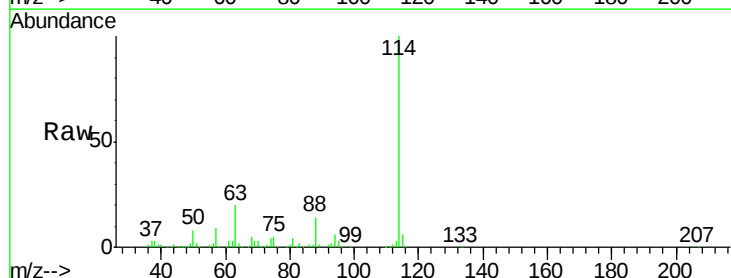
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	541761		
63	19.6	0.0	38.0	
88	14.5	0.0	29.2	





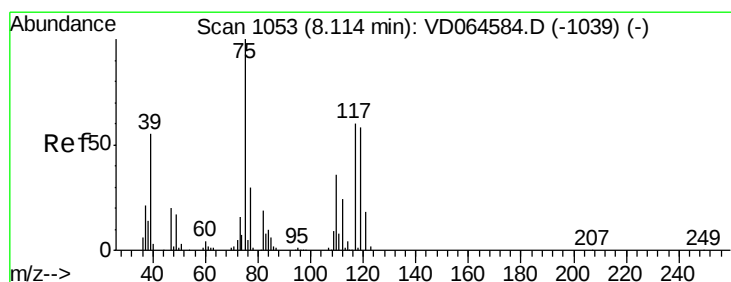
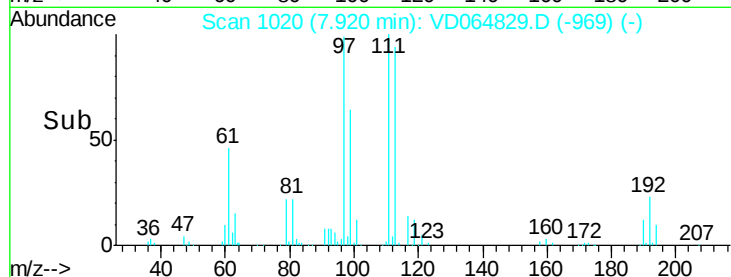
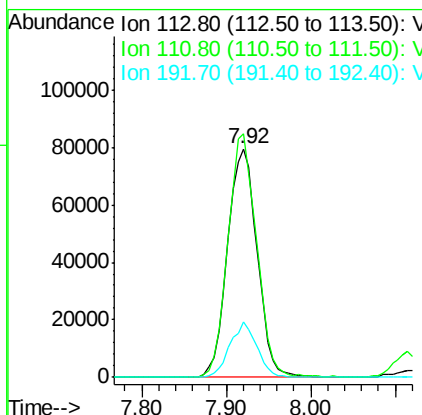
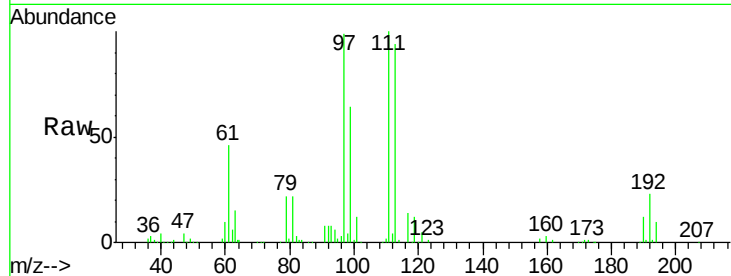
#35
 Dibromofluoromethane
 Concen: 57.662 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	191656		
111	103.4	80.6	121.0	
192	22.1	17.9	26.9	

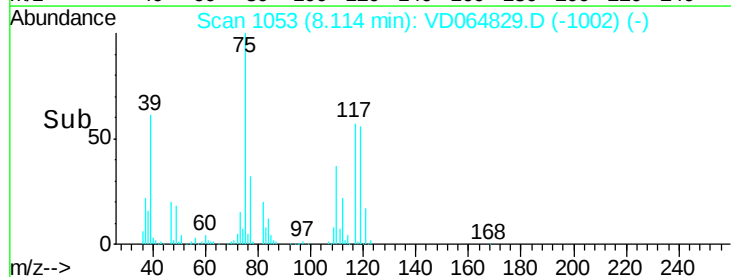
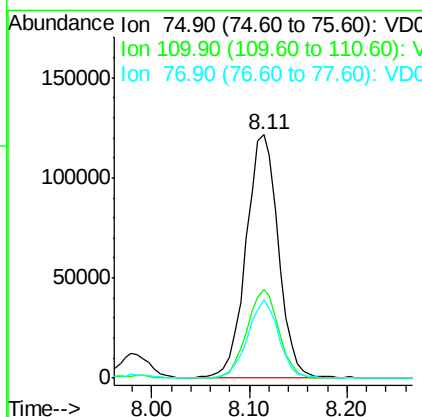
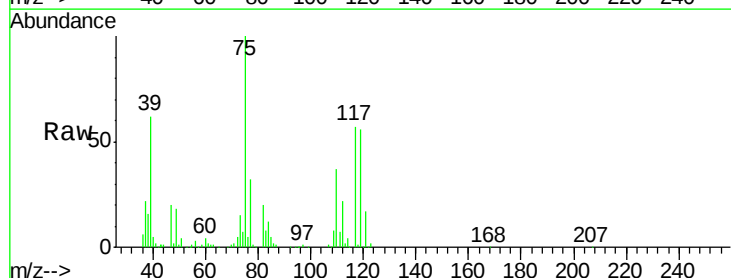
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#36
 1,1-Dichloropropene
 Concen: 53.851 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	280803		
110	35.8	18.1	54.1	
77	31.1	24.2	36.4	





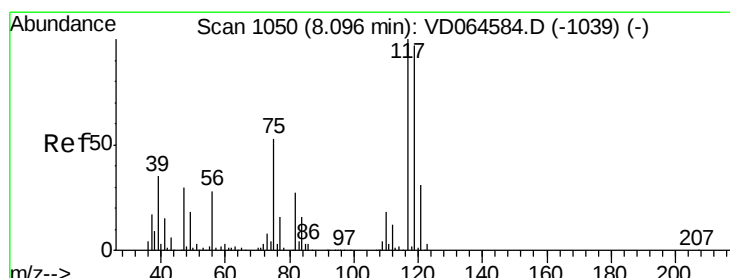
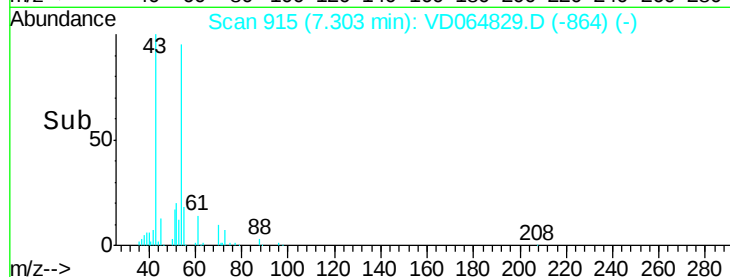
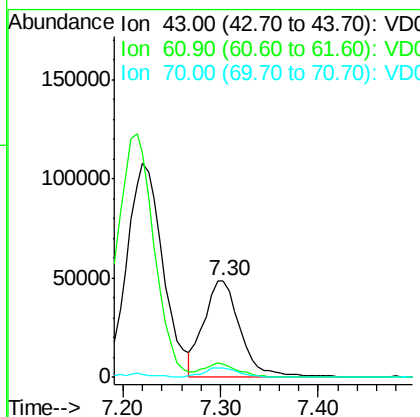
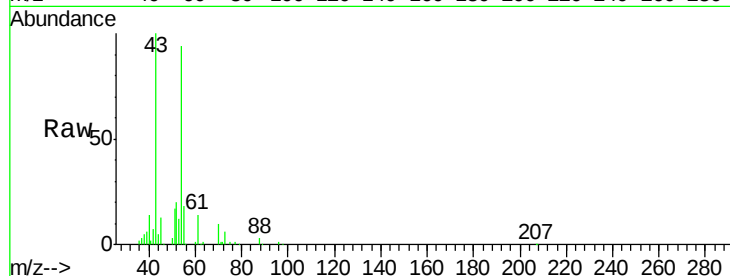
#37
Ethyl Acetate
Concen: 60.356 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.3	15.5
70	10.0	7.6	11.4

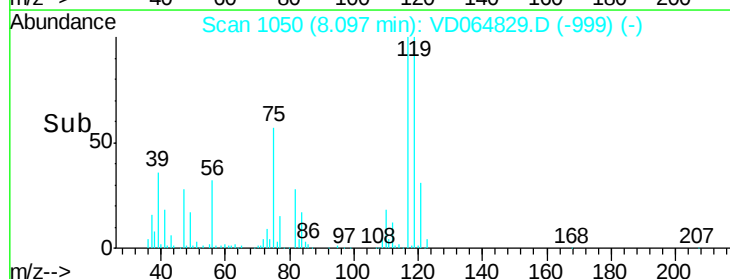
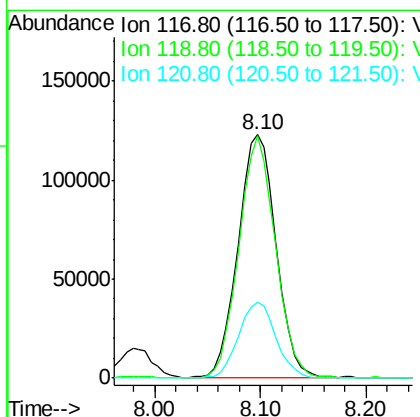
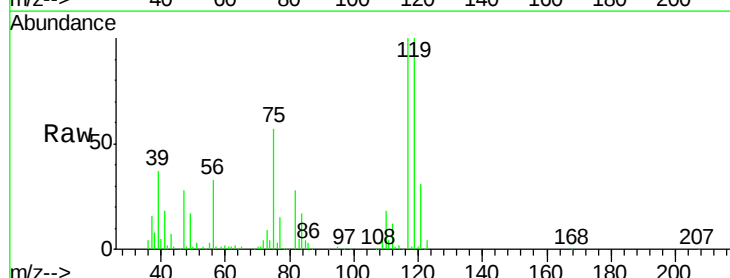
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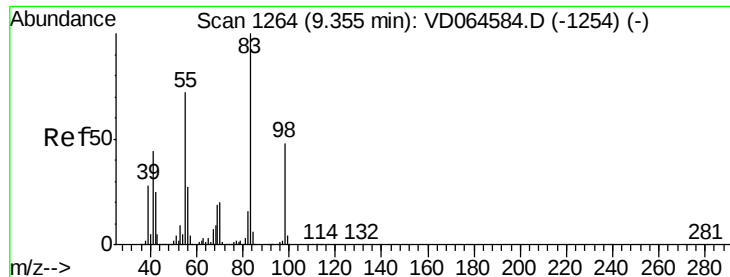
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#38
Carbon Tetrachloride
Concen: 55.106 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.7	77.3	115.9
121	31.4	25.0	37.6





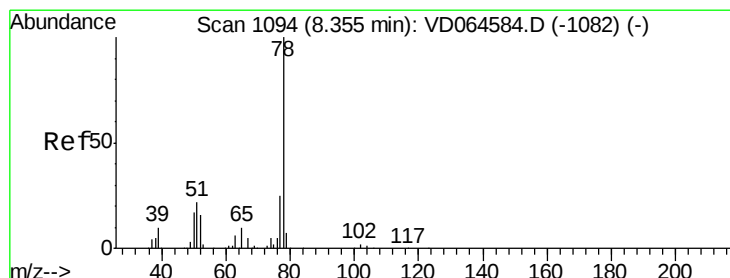
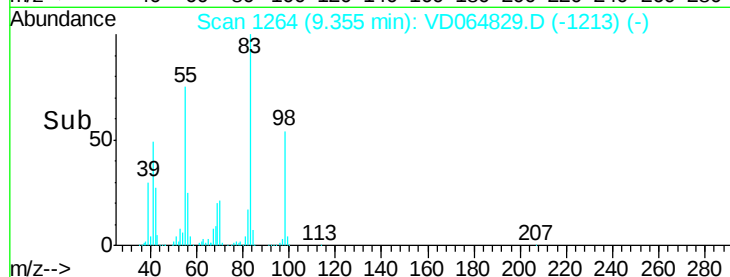
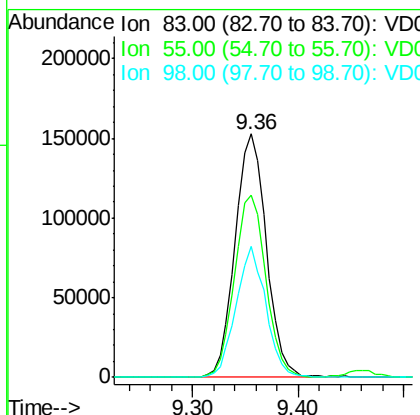
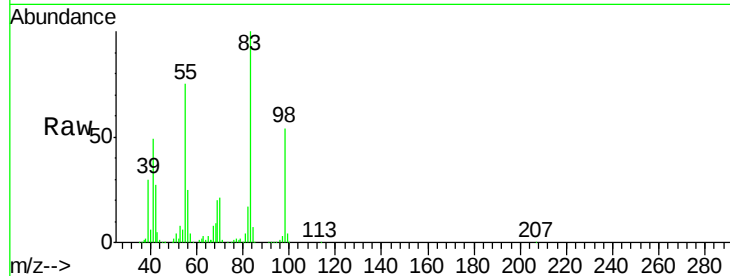
#39
Methvlcvclohexane
Concen: 49.689 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	57.8	86.6
98	53.6	38.7	58.1

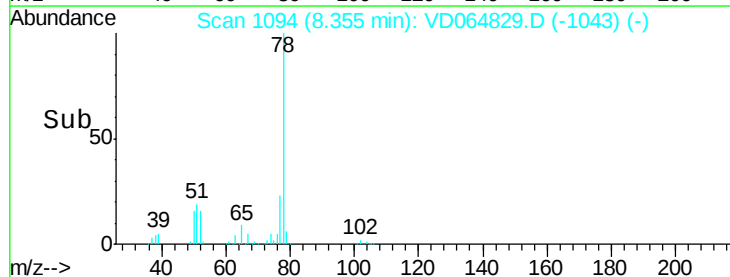
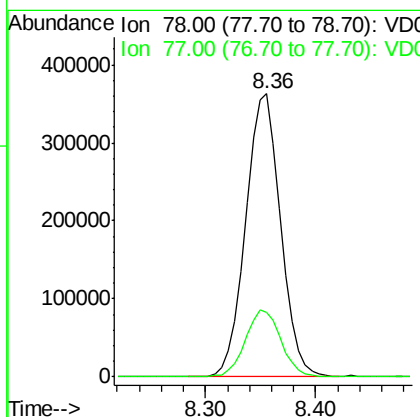
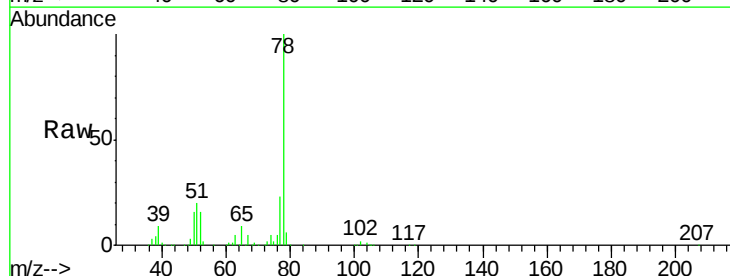
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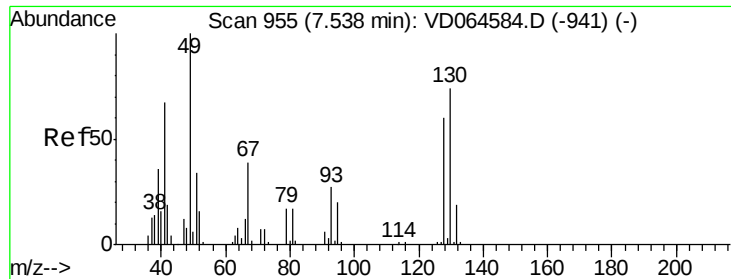
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#40
Benzene
Concen: 56.795 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.9	29.9





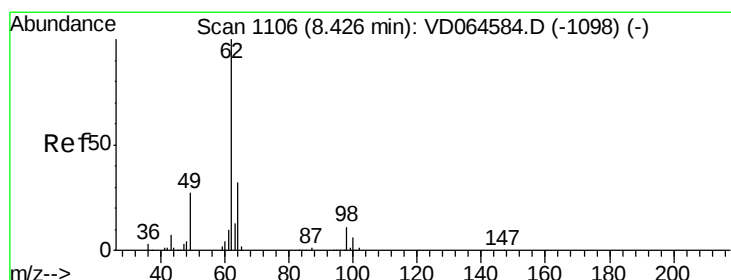
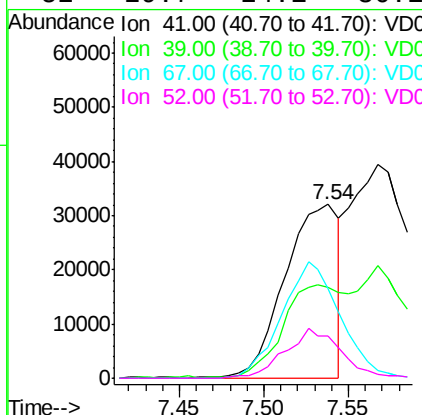
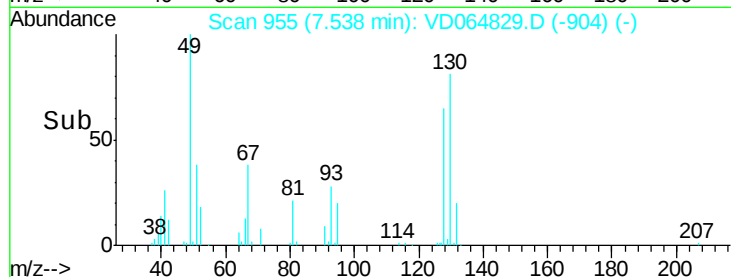
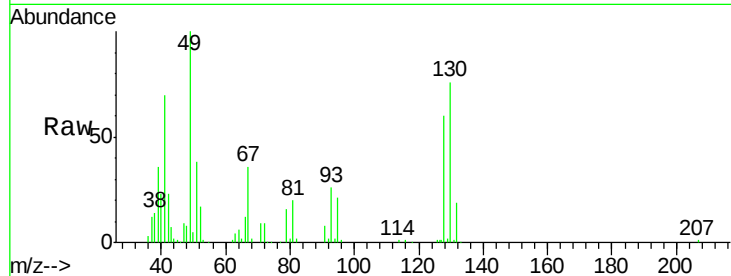
#41
Methacrylonitrile
Concen: 60.238 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	71595
Ion	Ratio	Lower	Upper
41	100		
39	62.7	46.7	70.1
67	72.2	52.5	78.7
52	29.7	24.1	36.1

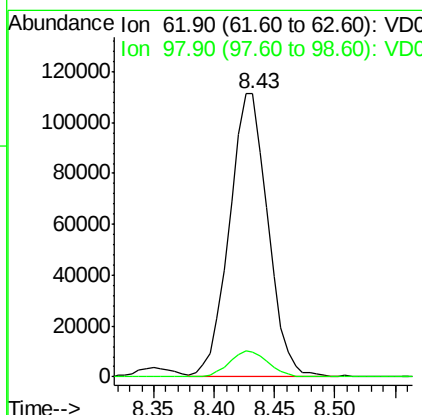
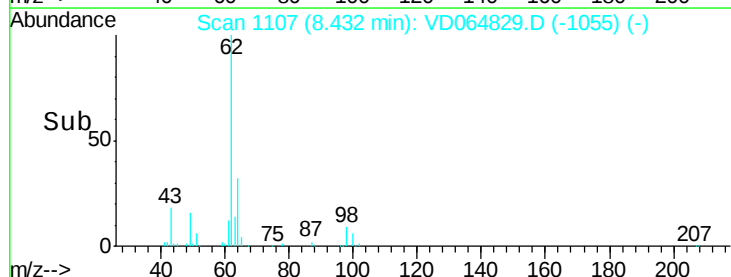
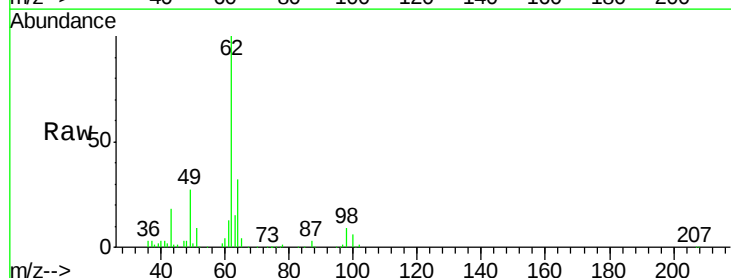
Manual Integrations
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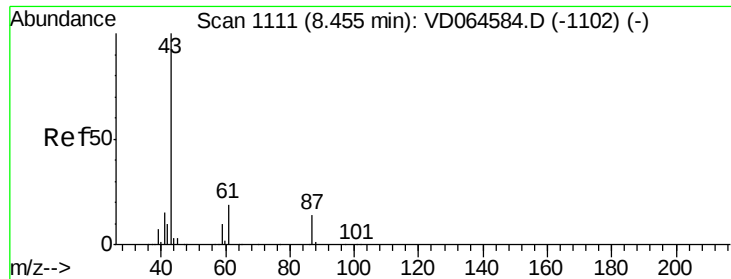
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#42
1,2-Dichloroethane
Concen: 59.743 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion:	62	Resp:	245754
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	20.0





#43

Isopropyl Acetate

Concen: 59.317 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

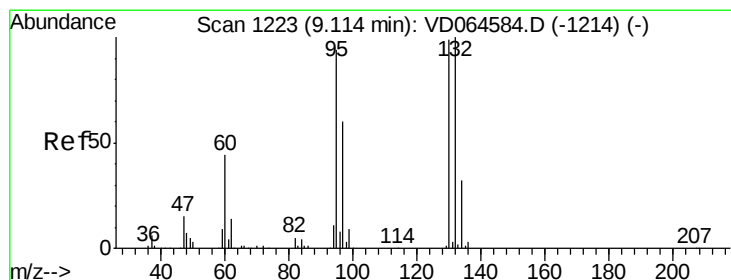
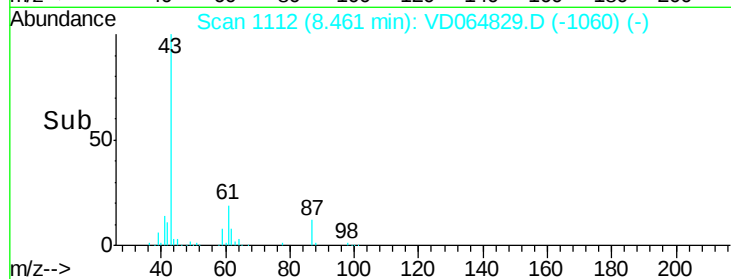
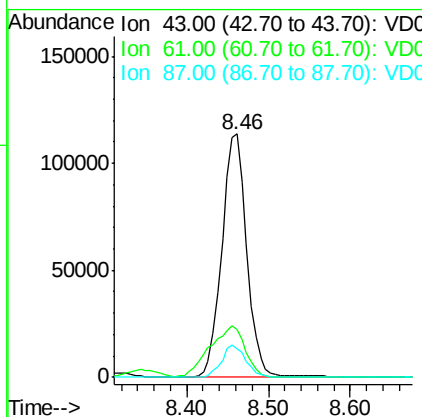
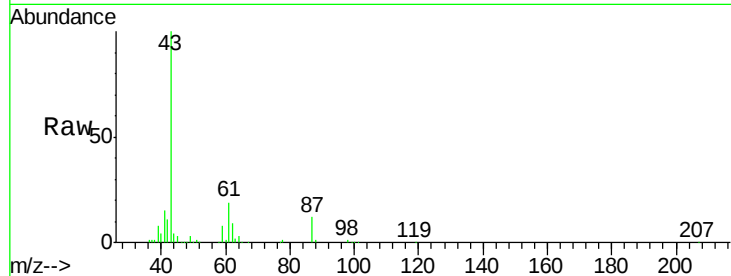
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	241859
Ion	Ratio	Lower	Upper
43	100		
61	29.4	23.7	35.5
87	12.9	10.5	15.7

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#44

Trichloroethene

Concen: 53.708 ug/l

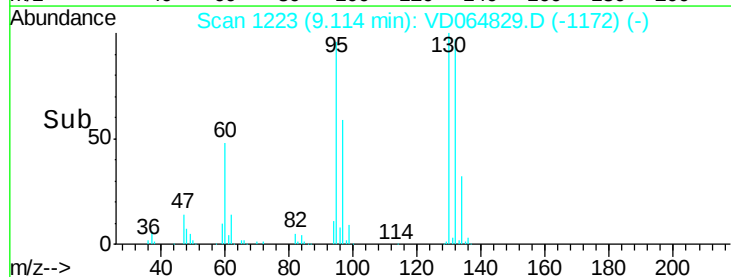
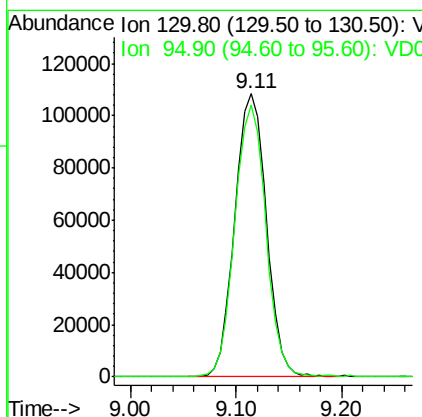
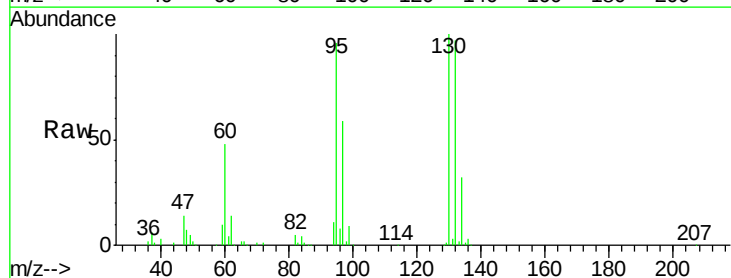
RT: 9.11 min Scan# 1223

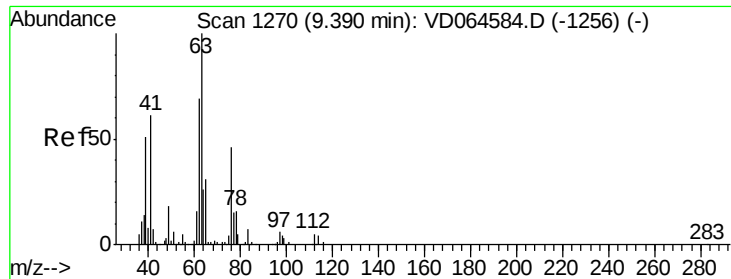
Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Tgt Ion:	130	Resp:	224592
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	190.2





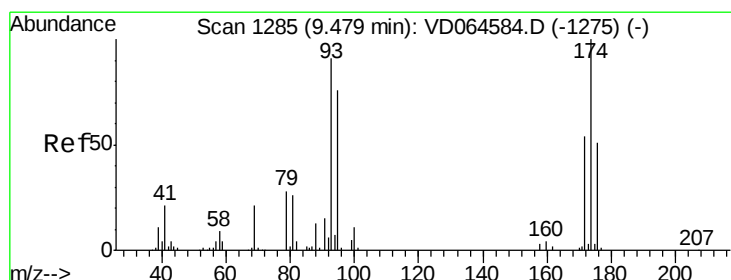
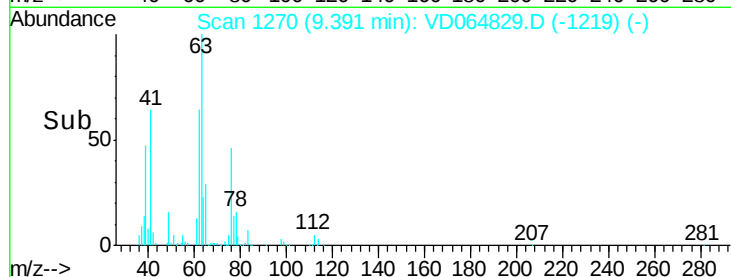
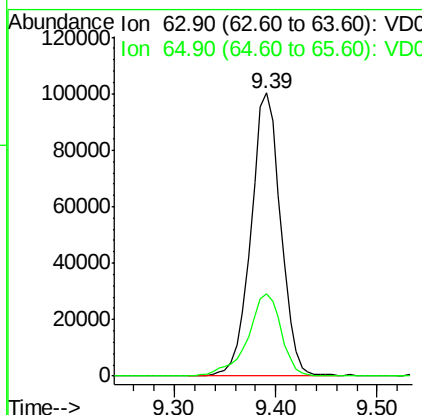
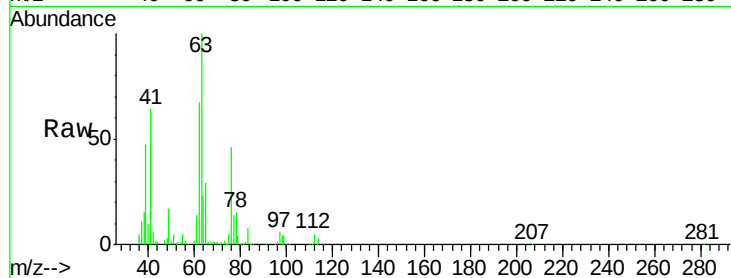
#45
 1,2-Dichloropropane
 Concen: 60.160 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.9	25.2	37.8

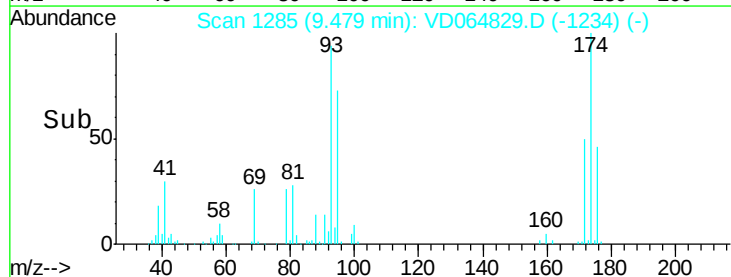
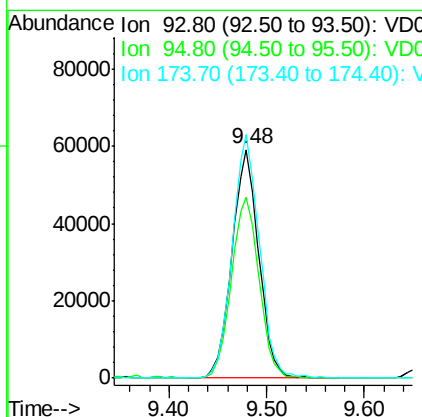
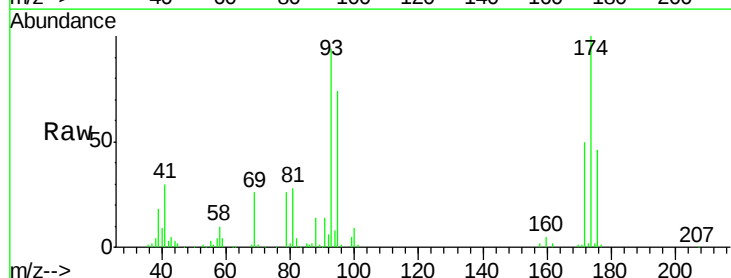
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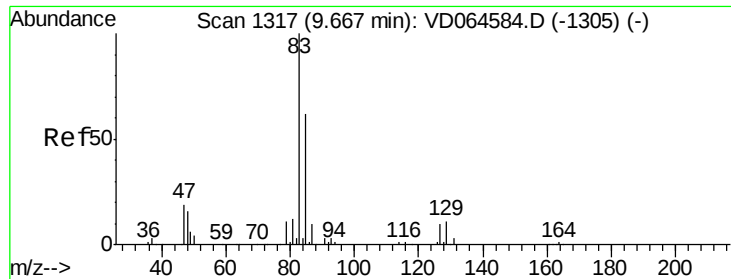
MMDadoda
 1/10/2020 10:42:25 AM



#46
 Dibromomethane
 Concen: 59.521 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.4	64.6	97.0
174	107.7	88.1	132.1





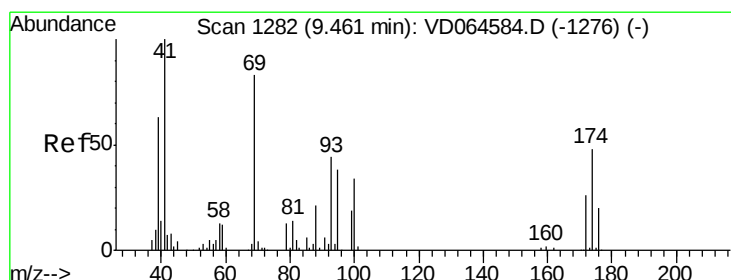
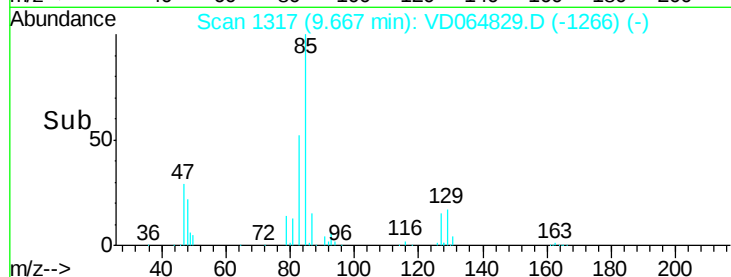
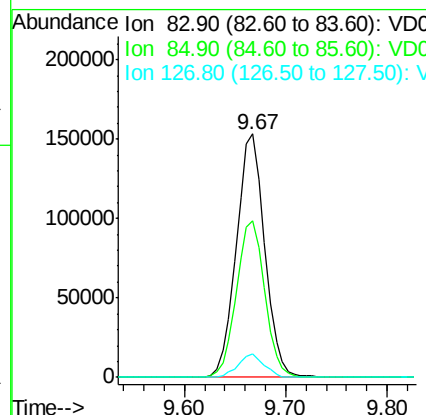
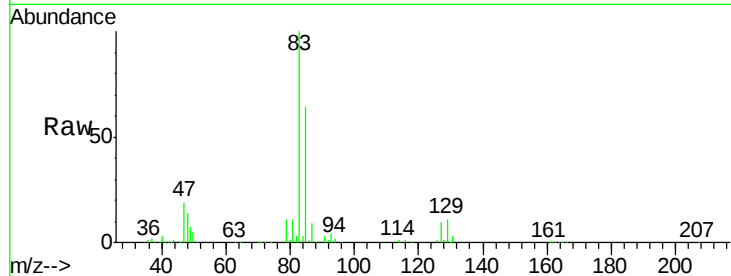
#47
Bromodichloromethane
Concen: 59.125 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	298129		
85	64.3		49.5	74.3
127	9.6		7.8	11.6

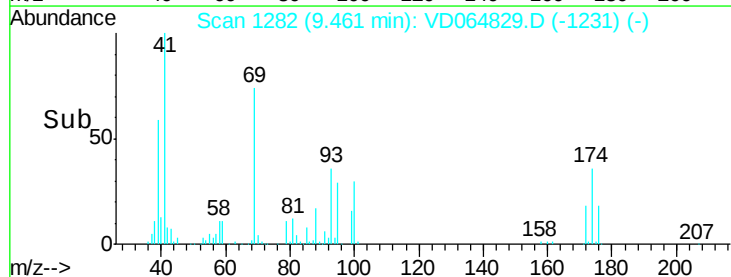
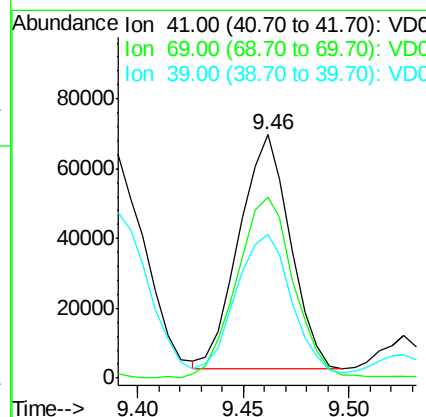
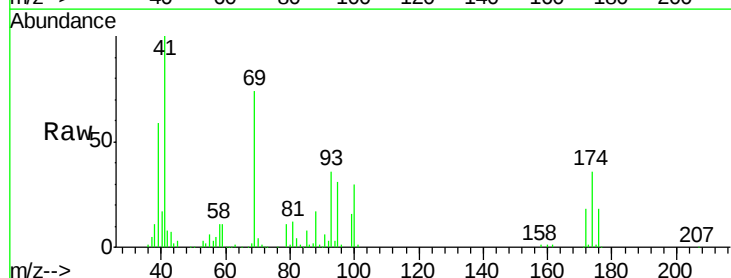
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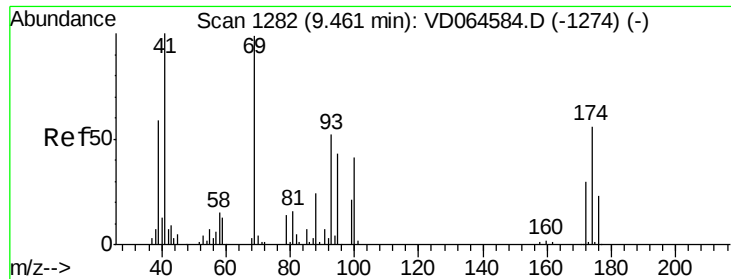
MMDadoda
1/10/2020 10:42:25 AM



#48
Methyl methacrylate
Concen: 58.594 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	112491		
69	87.2		63.0	94.6
39	68.4		47.4	71.2





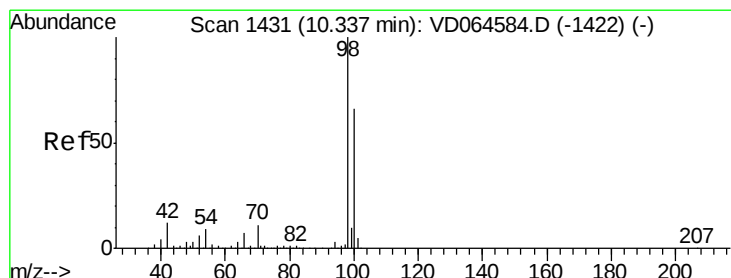
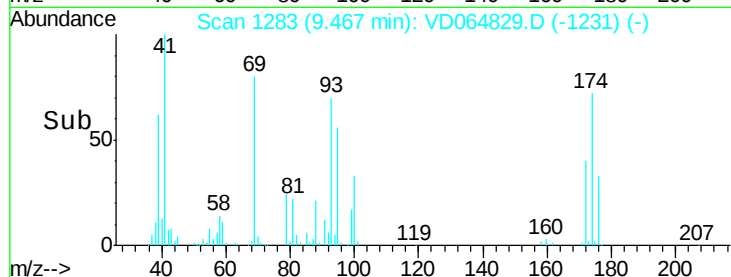
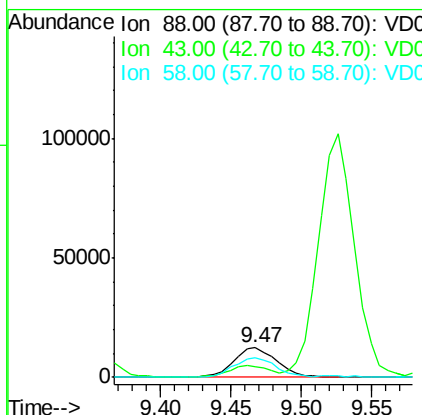
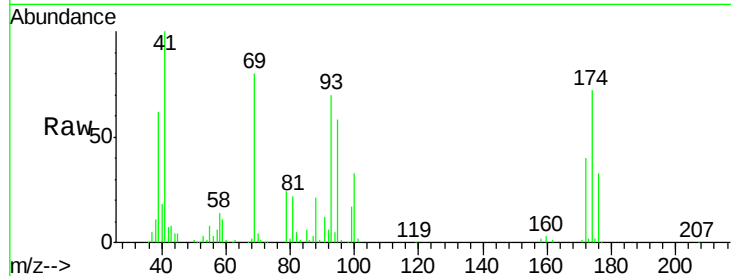
#49
1,4-Dioxane
Concen: 1208.207 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
88	100	26399		
43	36.3		27.7	41.5
58	66.5		53.8	80.6

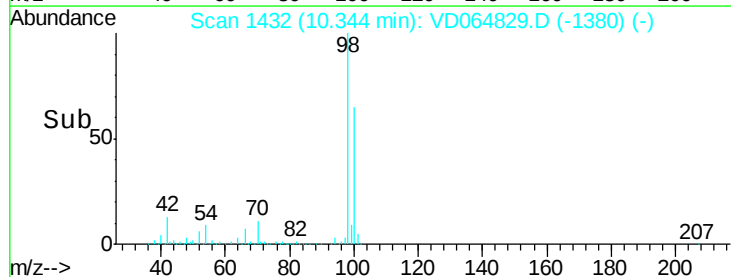
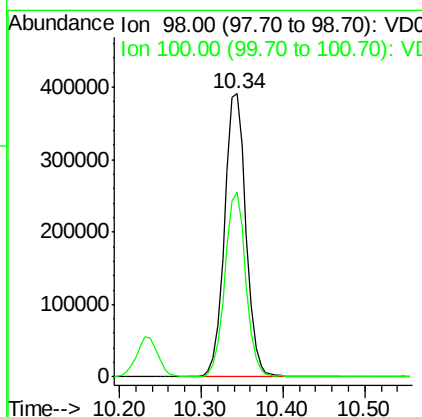
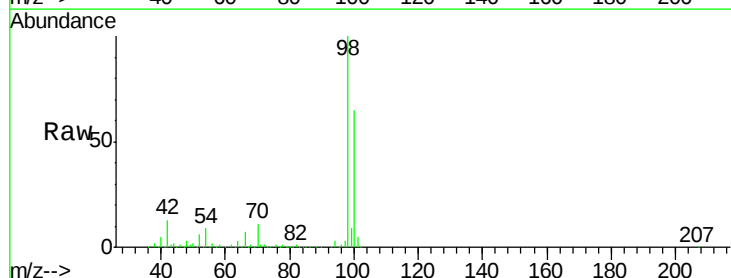
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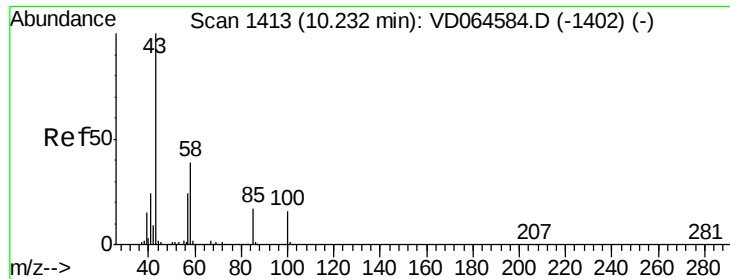
MMDadoda
1/10/2020 10:42:25 AM



#50
Toluene-d8
Concen: 56.086 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	713957		
100	63.7		51.7	77.5





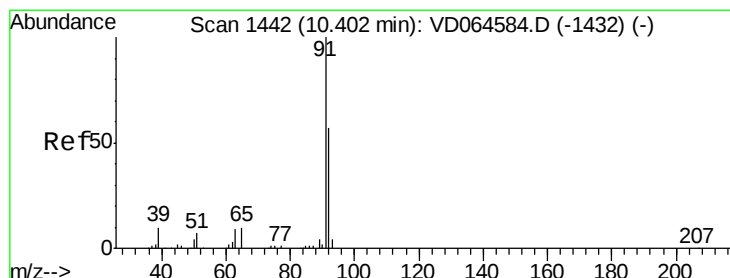
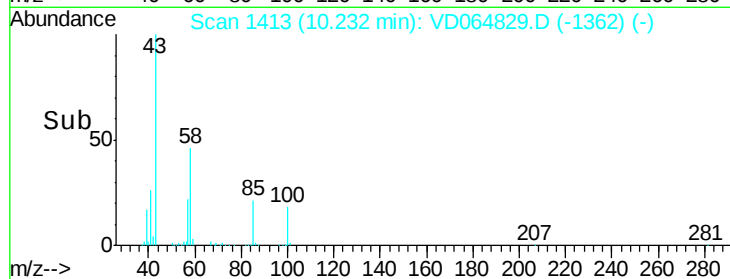
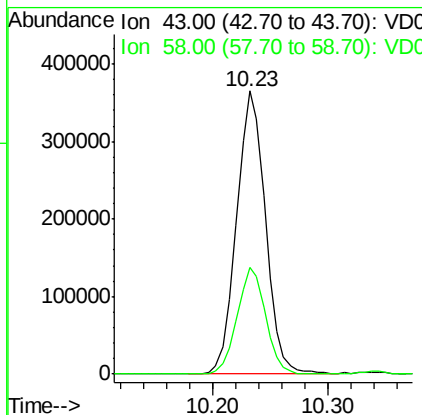
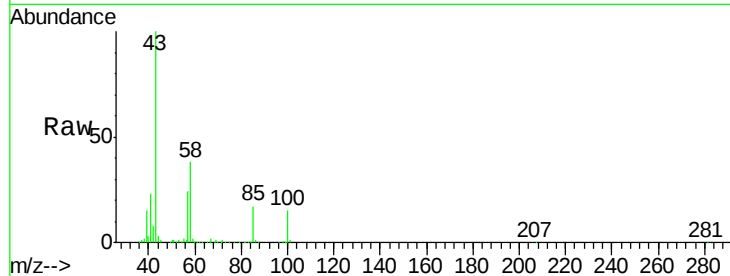
#51
4-Methyl-2-Pentanone
Concen: 313.371 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.2	30.2	45.2

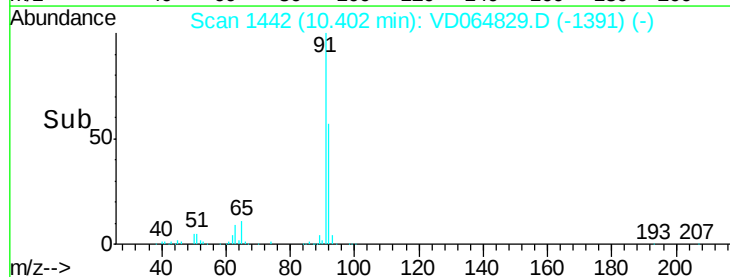
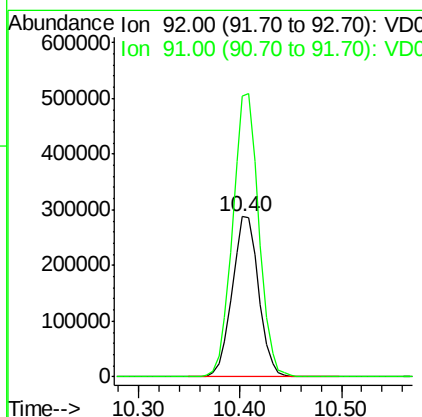
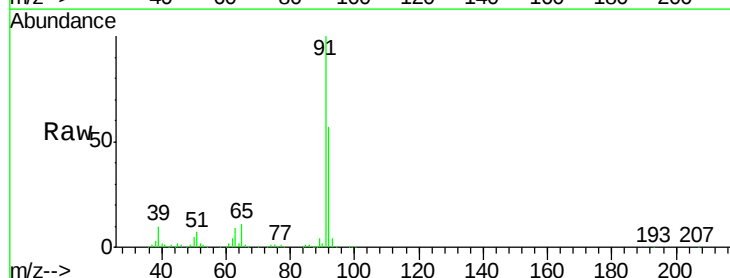
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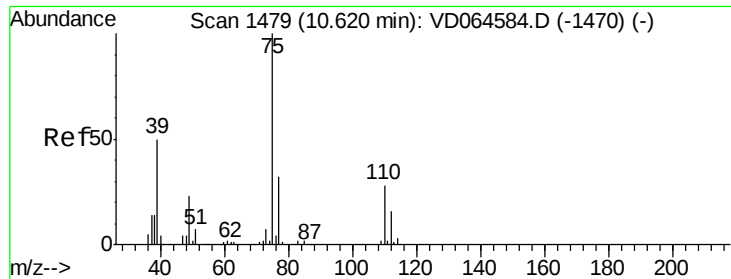
MMDadoda
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#52
Toluene
Concen: 56.057 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.5	138.7	208.1





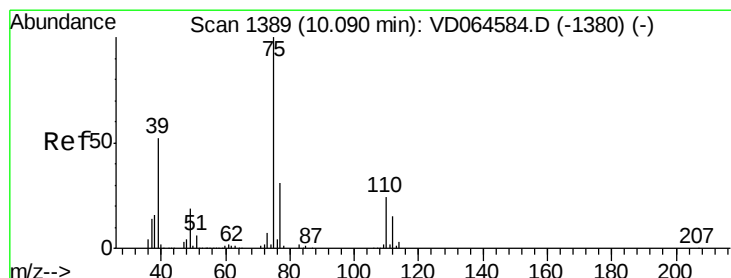
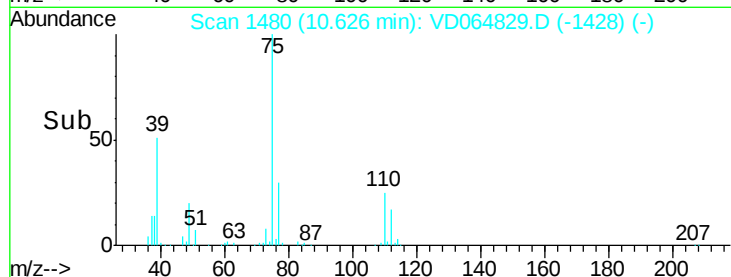
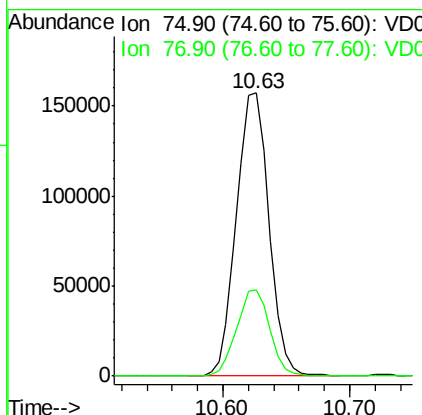
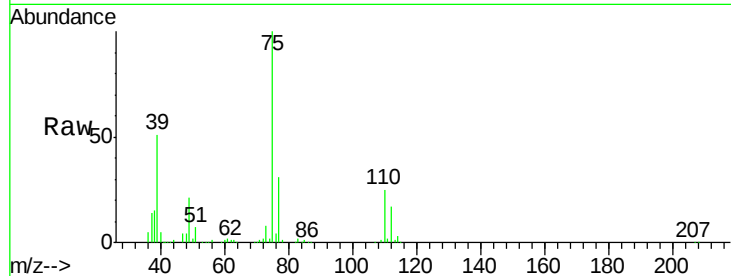
#53
t-1,3-Dichloropropene
Concen: 59.935 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 281759
Ion Ratio Lower Upper
75 100
77 30.6 25.4 38.2

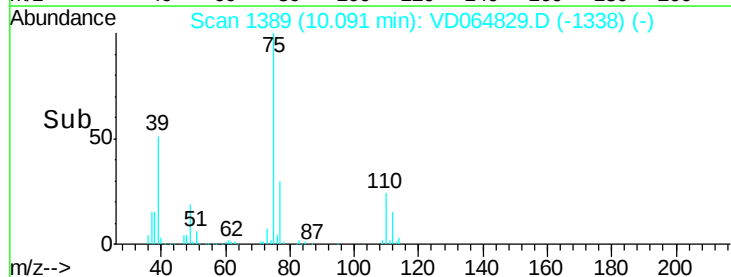
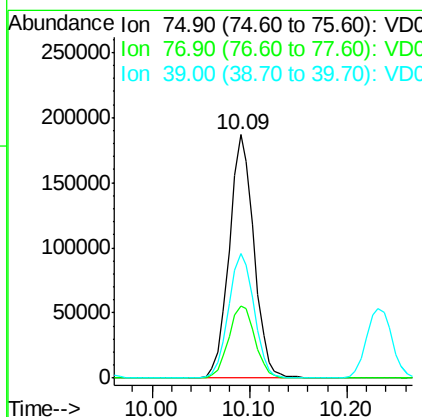
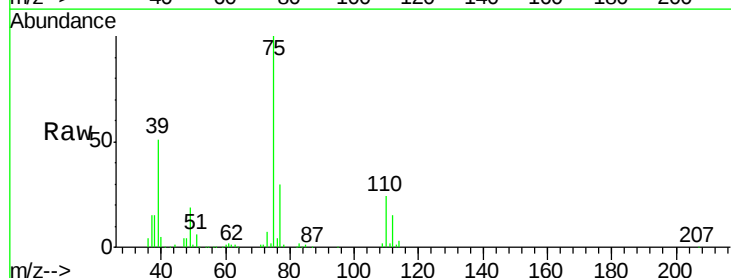
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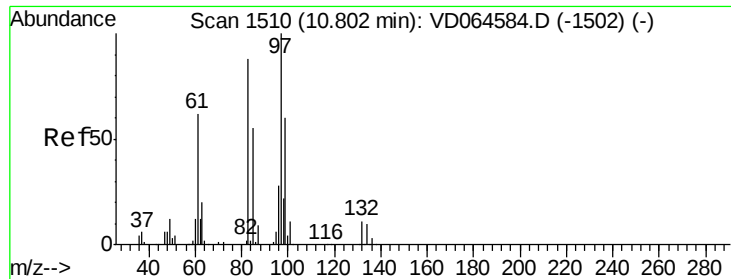
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 58.999 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion: 75 Resp: 327041
Ion Ratio Lower Upper
75 100
77 29.9 24.6 36.8
39 51.0 41.4 62.2





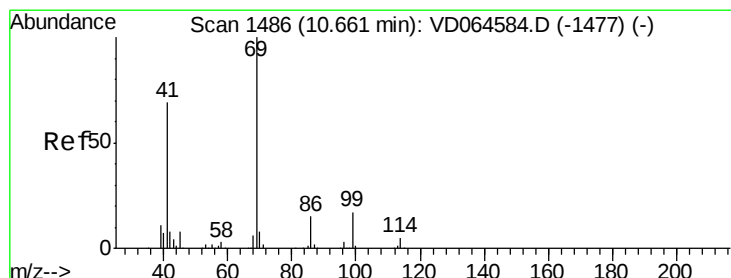
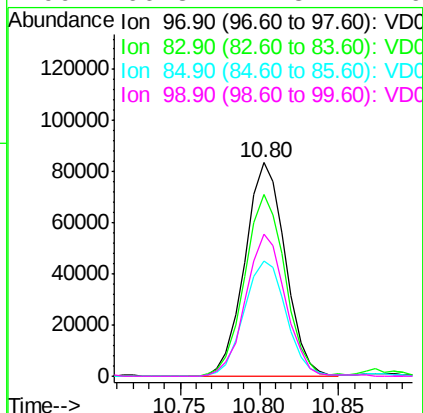
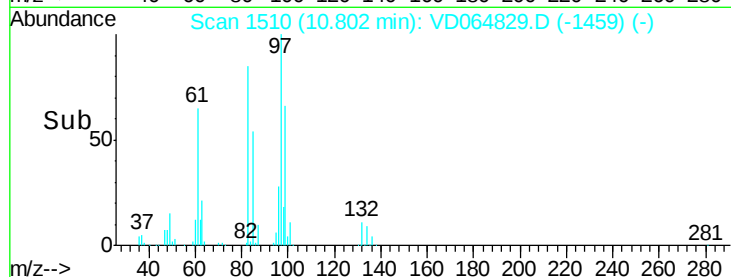
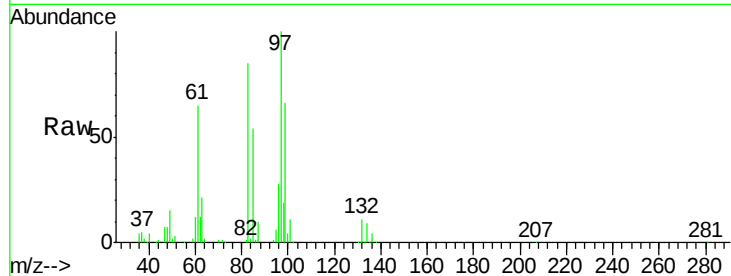
#55
 1,1,2-Trichloroethane
 Concen: 58.184 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	148587
Ion	Ratio	Lower	Upper
97	100		
83	85.3	70.2	105.4
85	53.8	44.0	66.0
99	66.3	47.8	71.6

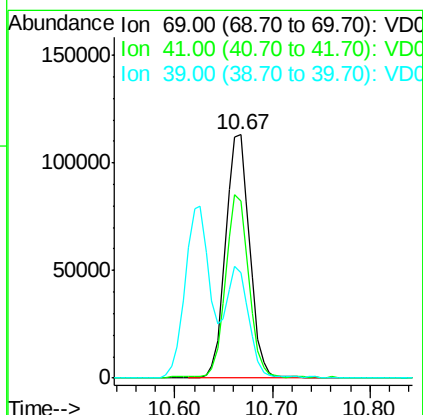
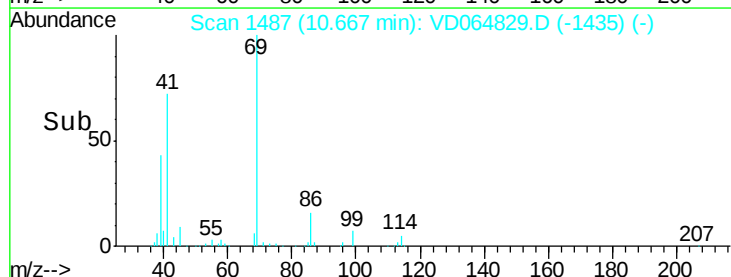
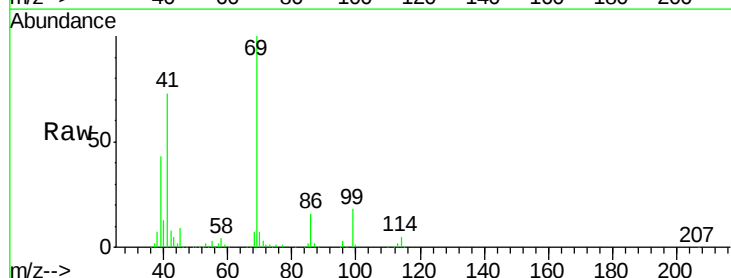
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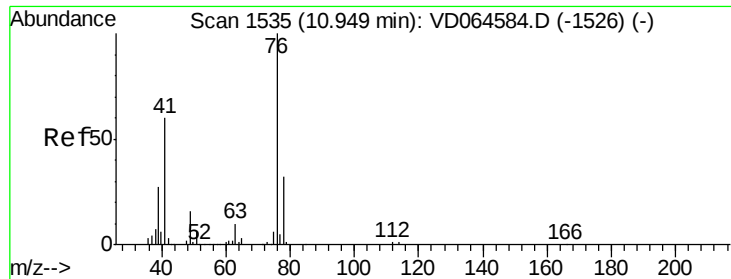
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 1/10/2020 10:42:25 AM



#56
 Ethyl methacrylate
 Concen: 60.705 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Tgt Ion:	69	Resp:	193607
Ion	Ratio	Lower	Upper
69	100		
41	71.6	55.3	82.9
39	43.2	33.8	50.8





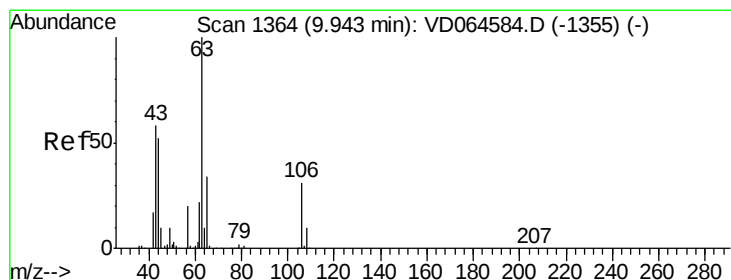
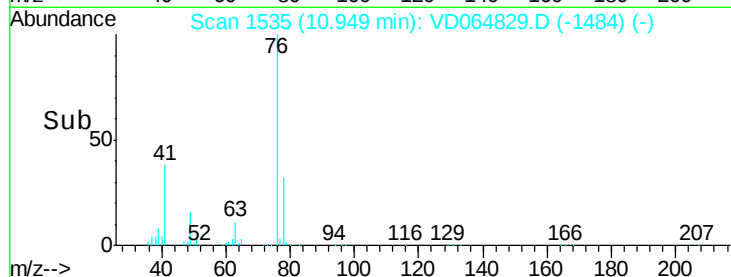
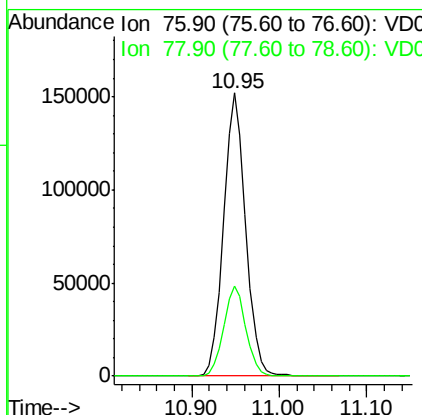
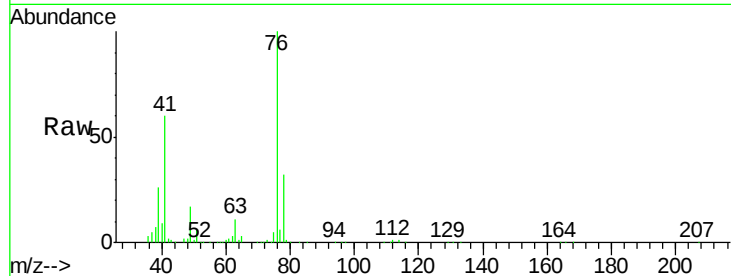
#57
 1,3-Dichloropropane
 Concen: 59.919 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 263465
 Ion Ratio Lower Upper
 76 100
 78 32.1 26.2 39.4

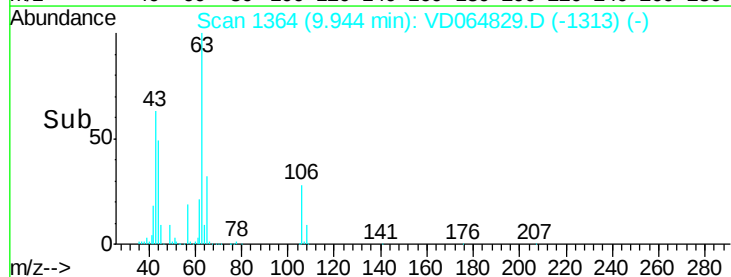
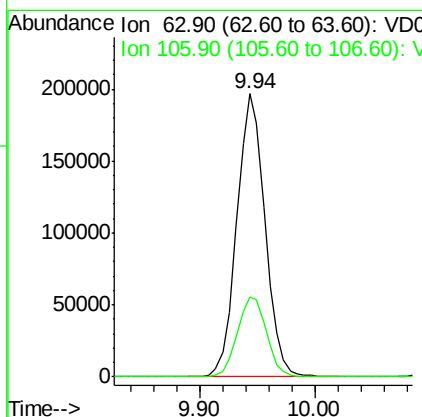
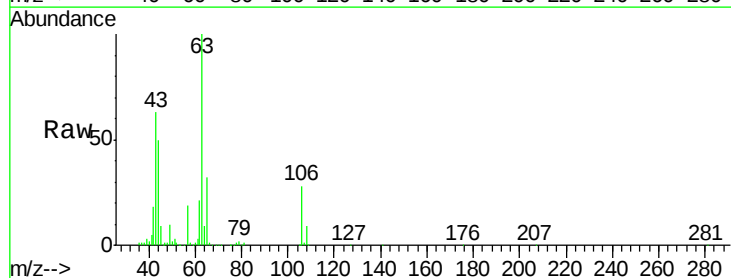
Manual Integrations
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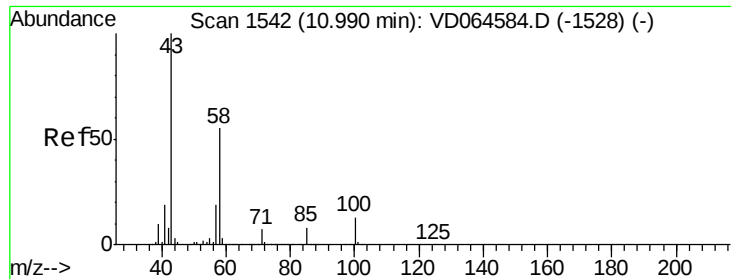
MMDadoda
 1/10/2020 10:42:25 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.384 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Tgt Ion: 63 Resp: 332186
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.8 35.8





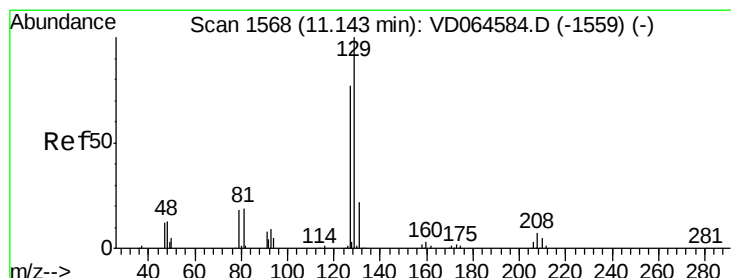
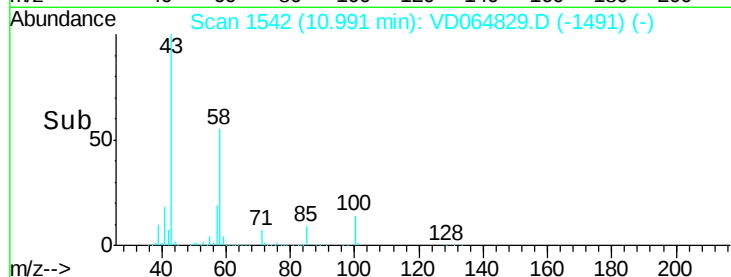
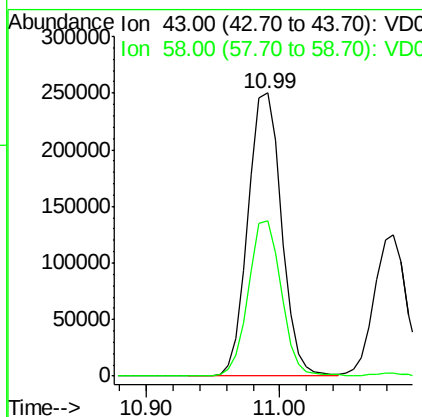
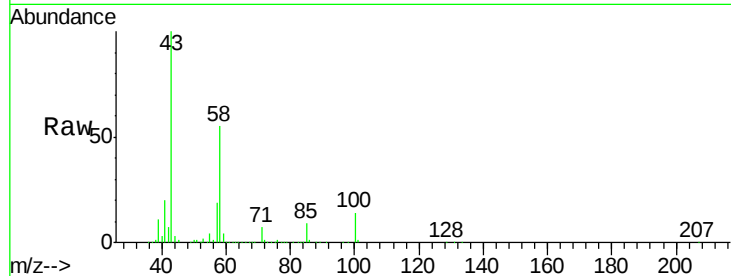
#59
2-Hexanone
Concen: 317.586 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 434414
Ion Ratio Lower Upper
43 100
58 53.8 26.4 79.0

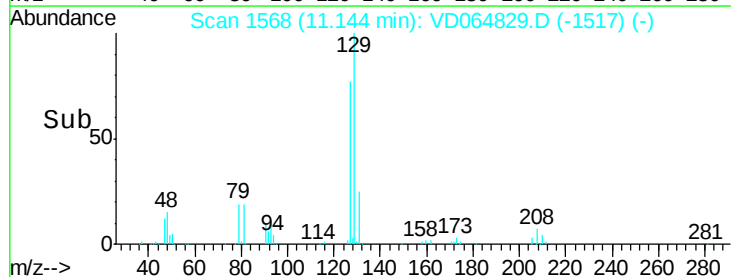
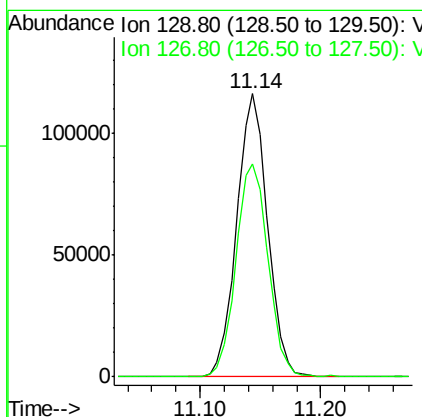
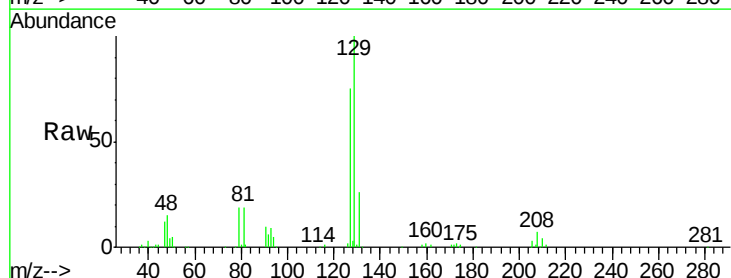
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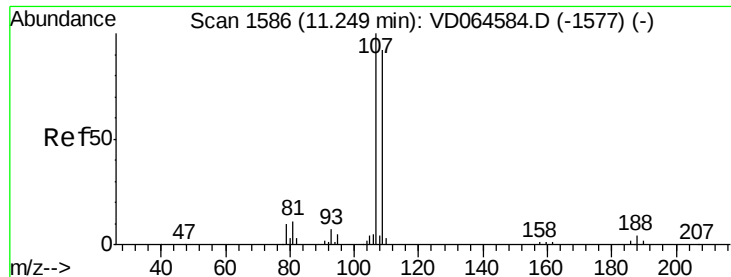
MMDadoda
1/10/2020 10:42:25 AM



#60
Dibromochloromethane
Concen: 58.661 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion: 129 Resp: 207160
Ion Ratio Lower Upper
129 100
127 78.0 38.4 115.2





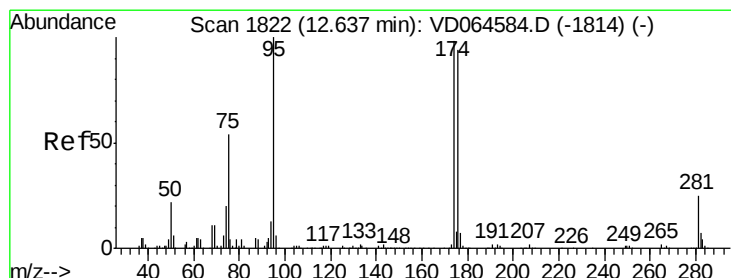
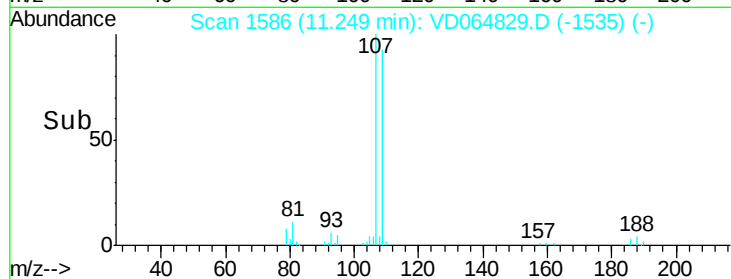
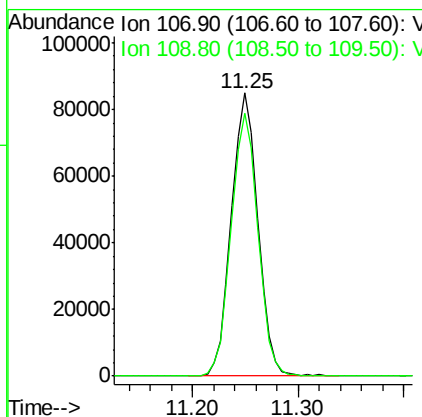
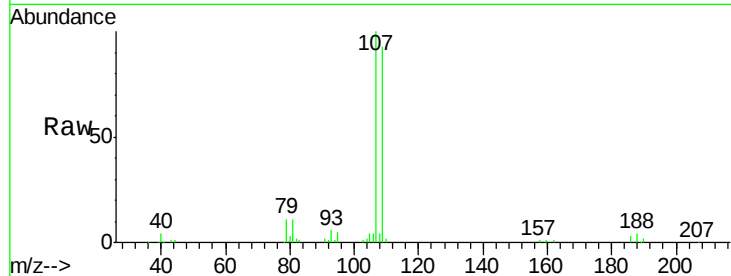
#61
 1,2-Dibromoethane
 Concen: 58.580 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	75.6	113.4

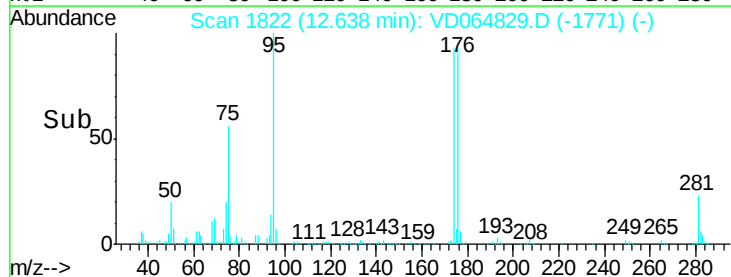
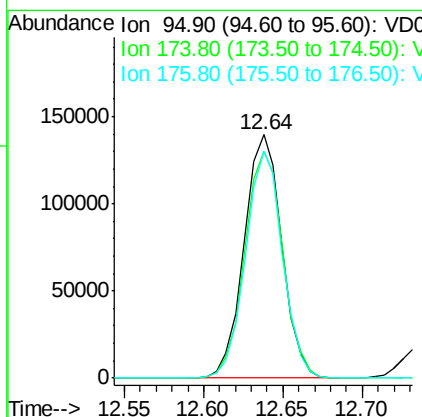
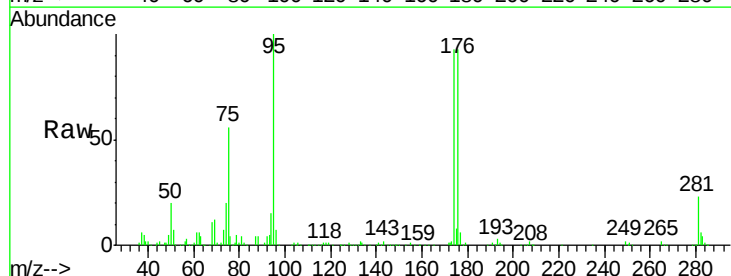
Manual Integrations
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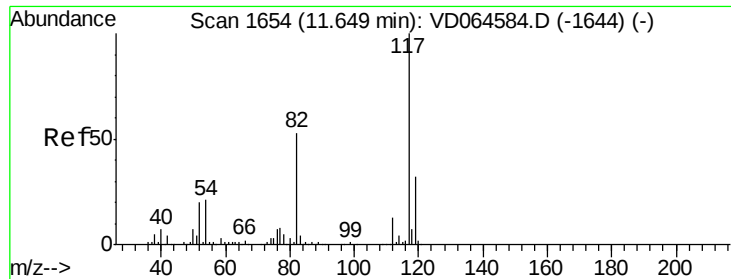
MMDadoda
 1/10/2020 10:42:25 AM



#62
 4-Bromofluorobenzene
 Concen: 57.169 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.5	0.0	193.2
176	91.6	0.0	184.2





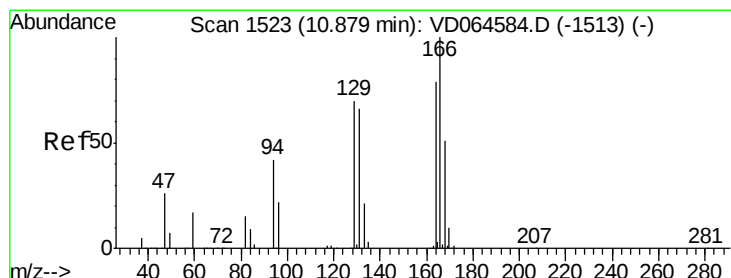
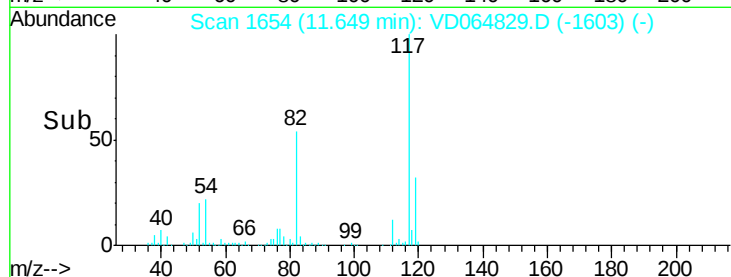
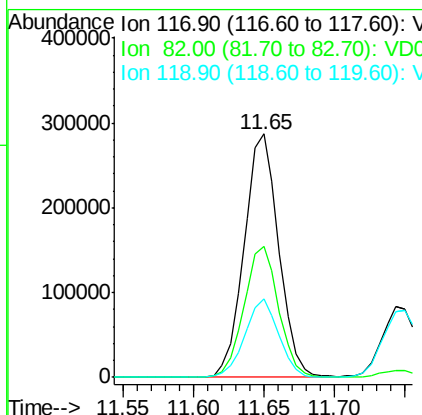
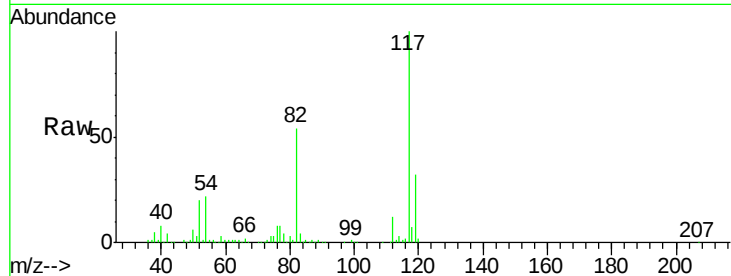
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.8	42.2	63.4
119	32.5	26.0	39.0

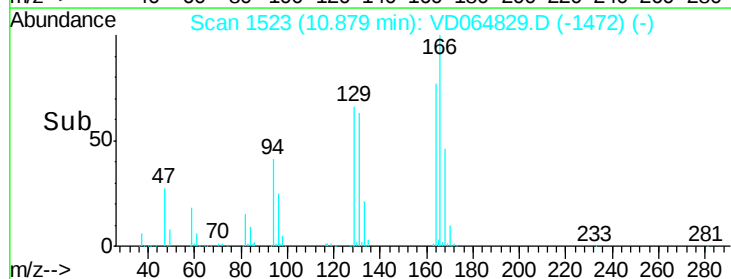
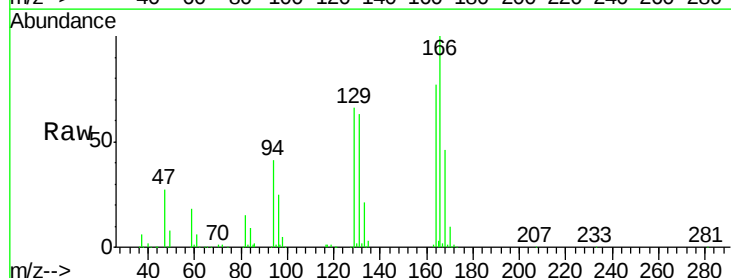
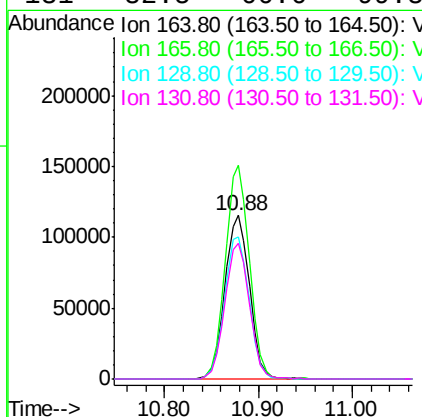
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#64
Tetrachloroethene
Concen: 55.531 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.5	101.3	151.9
129	86.6	70.5	105.7
131	82.5	66.6	99.8





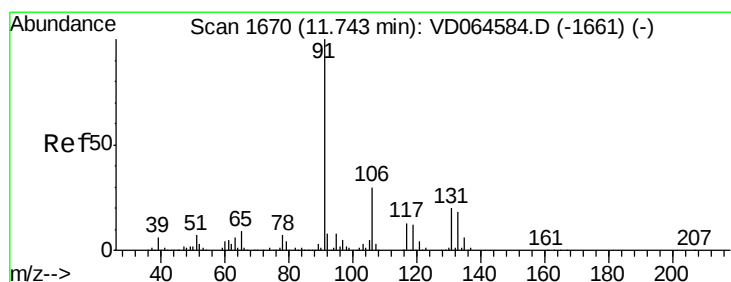
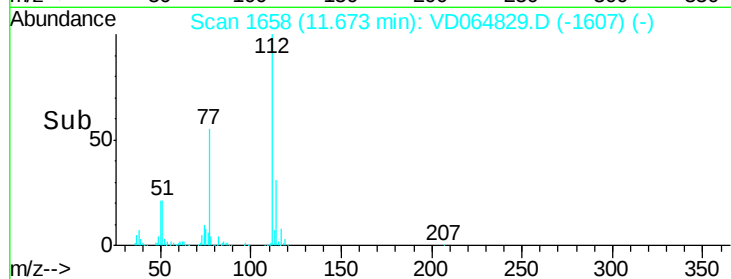
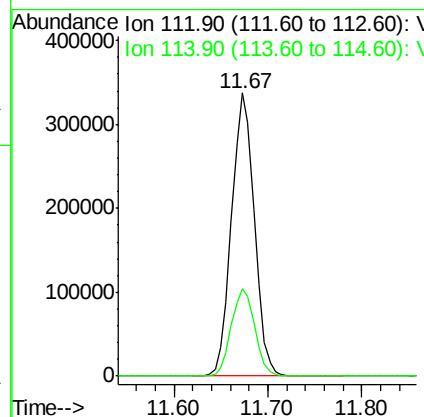
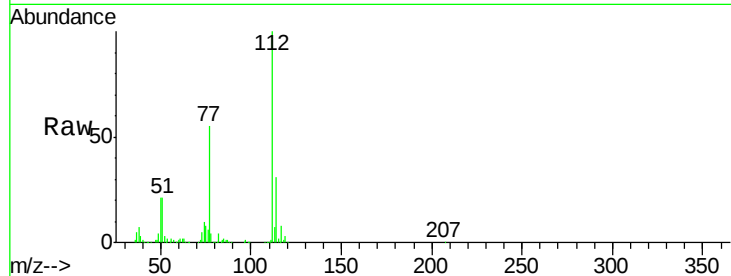
#65
Chlorobenzene
Concen: 55.802 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	24.8	37.2

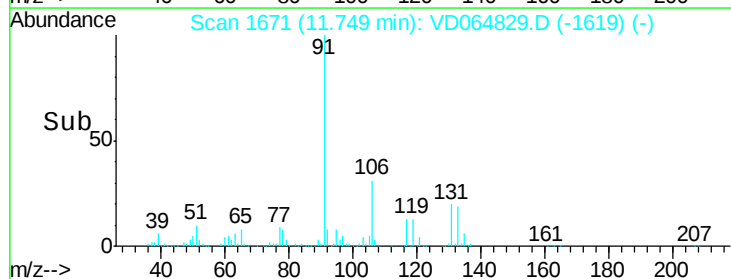
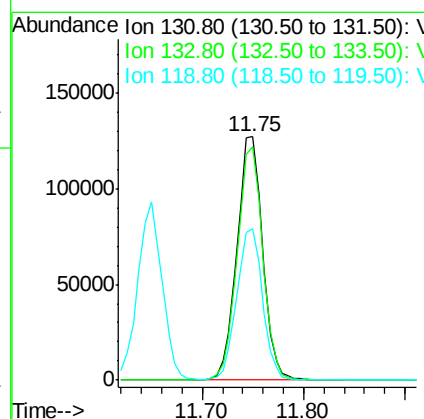
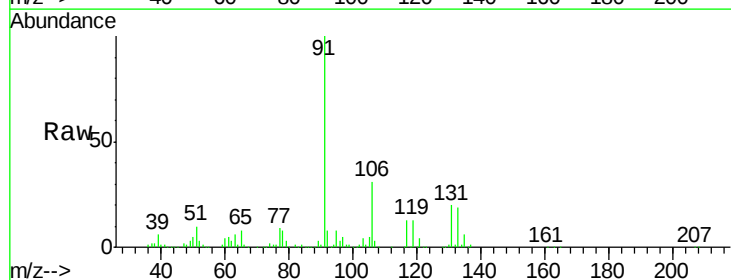
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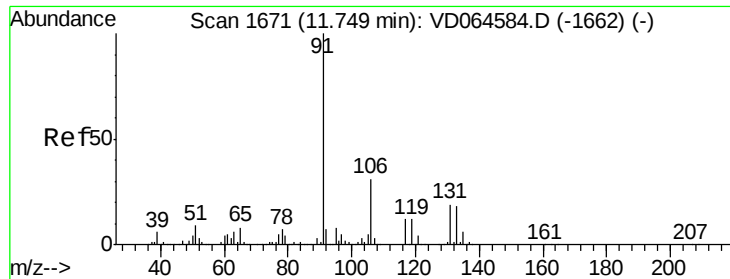
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#66
1,1,1,2-Tetrachloroethane
Concen: 58.432 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	48.3	144.8
119	62.4	32.1	96.3





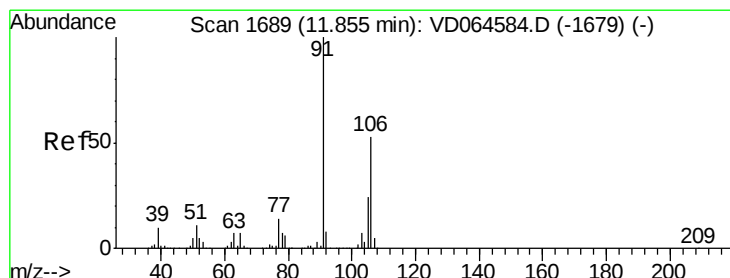
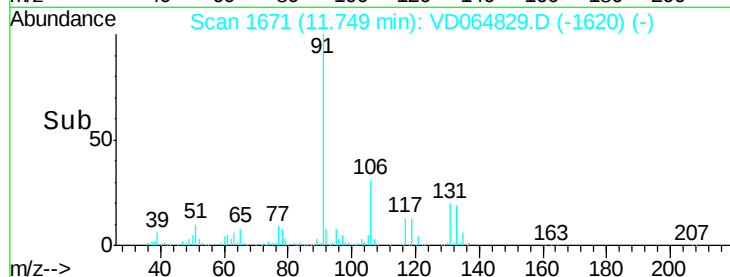
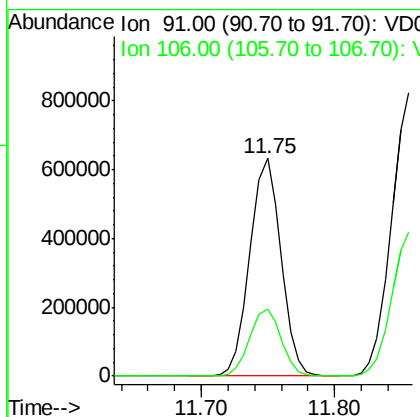
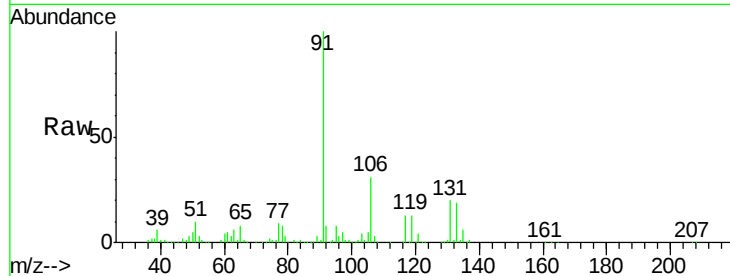
#67
Ethyl Benzene
Concen: 55.064 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1018621
Ion Ratio Lower Upper
91 100
106 31.0 24.6 36.8

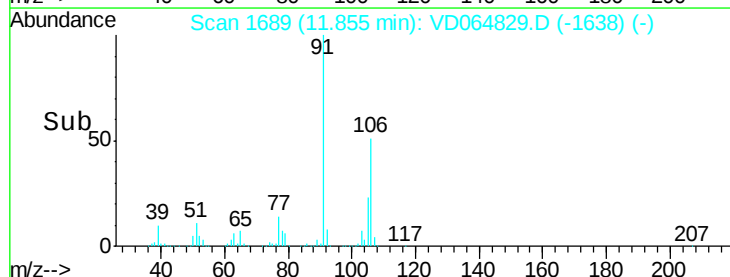
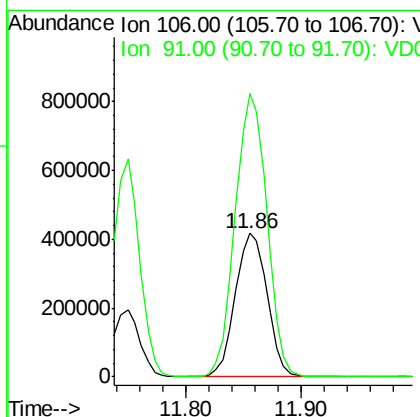
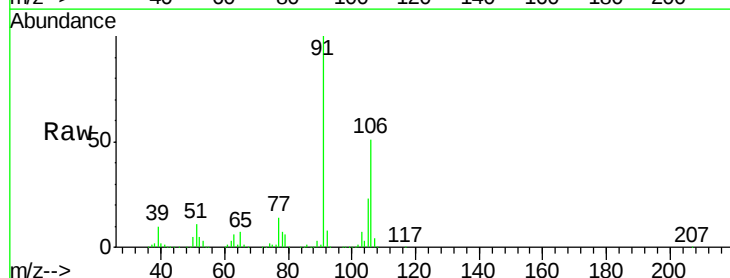
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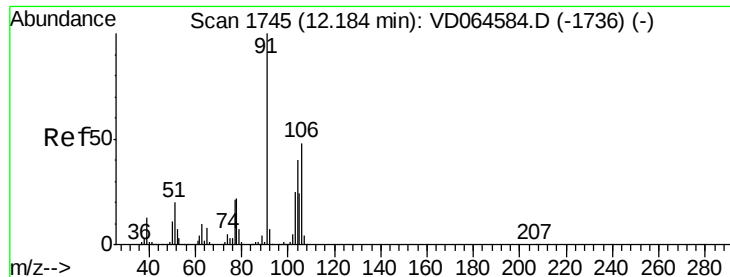
MMDadoda
1/10/2020 10:42:25 AM



#68
m/p-Xylenes
Concen: 111.678 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion: 106 Resp: 797397
Ion Ratio Lower Upper
106 100
91 197.3 156.3 234.5





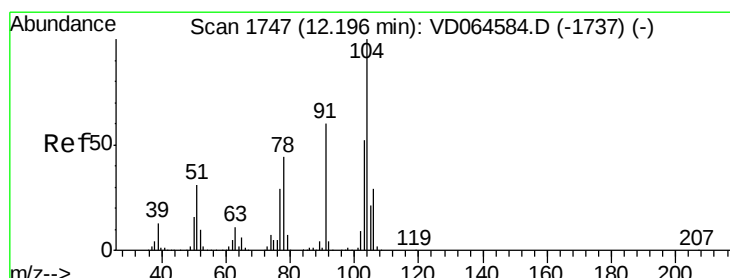
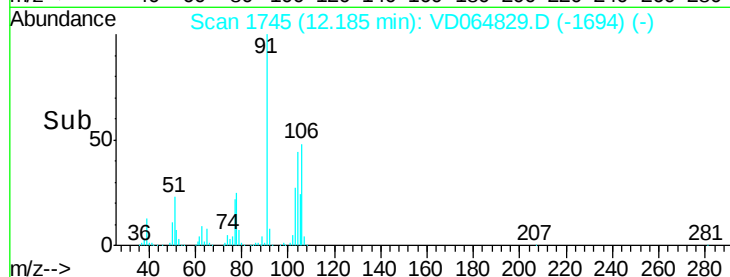
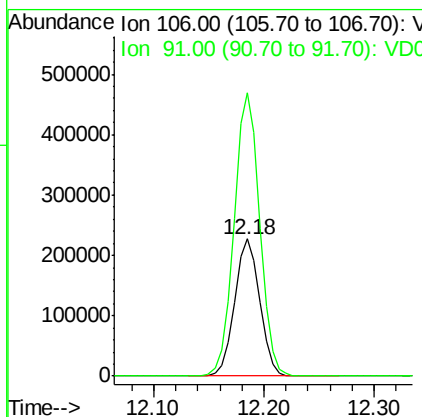
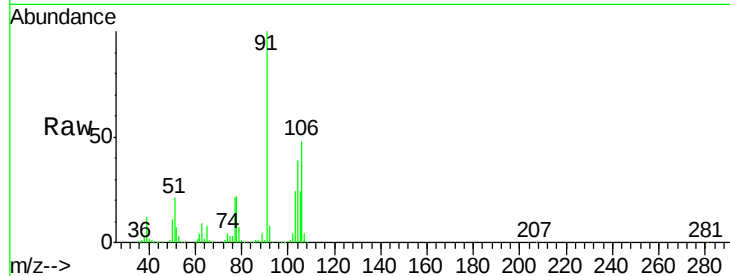
#69
o-Xylene
Concen: 56.380 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 363616
Ion Ratio Lower Upper
106 100
91 209.6 104.8 314.4

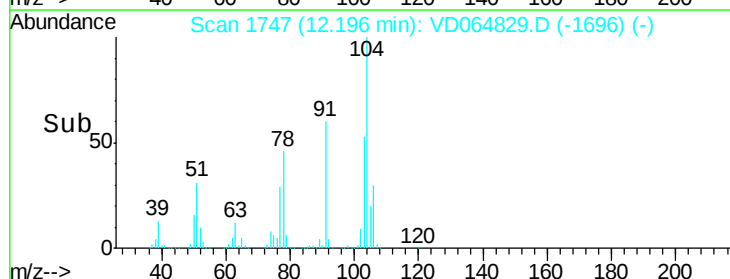
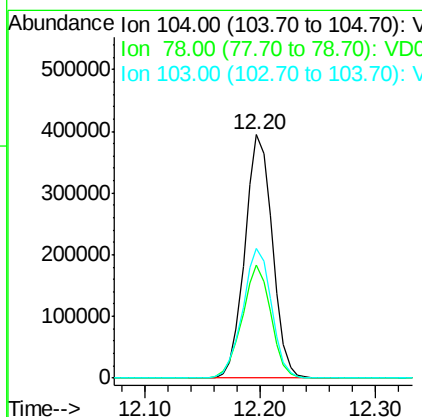
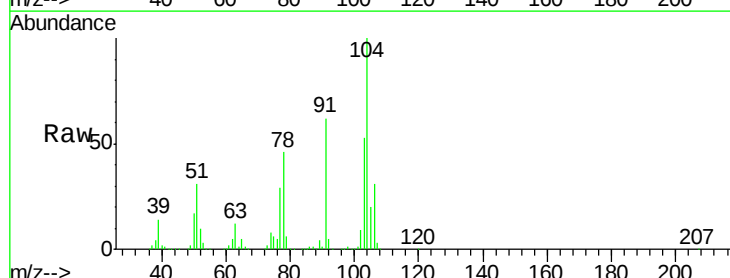
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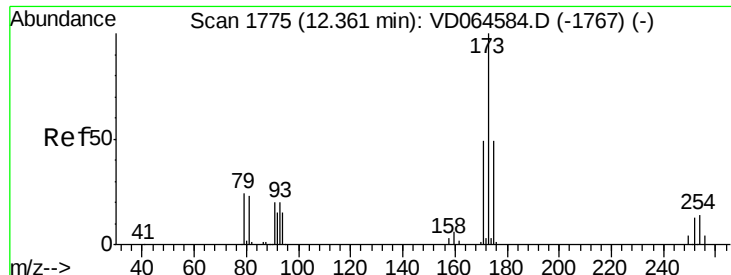
MMDadoda
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#70
Styrene
Concen: 57.738 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion:104 Resp: 653617
Ion Ratio Lower Upper
104 100
78 48.5 38.2 57.2
103 55.7 44.6 67.0





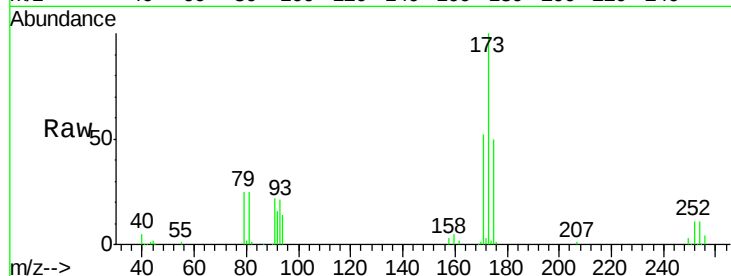
#71
Bromoform
Concen: 58.065 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

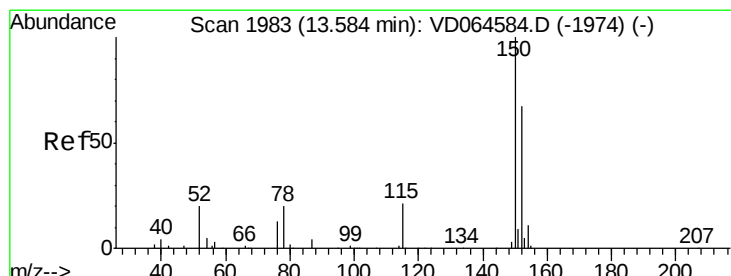
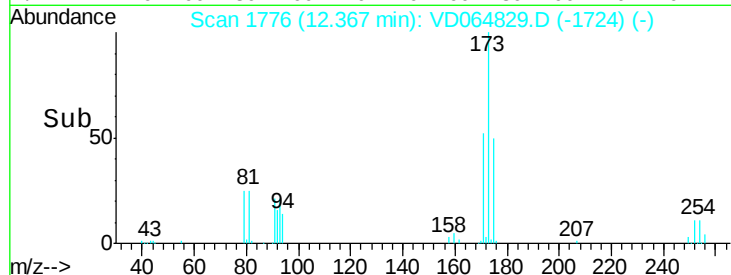
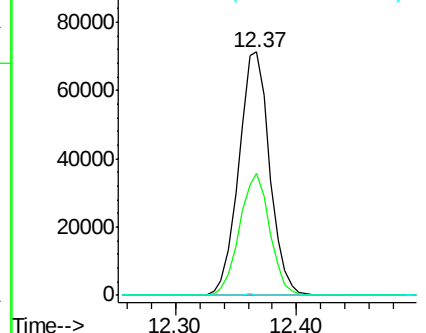
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.6	73.8
254	0.2	0.1	0.1#

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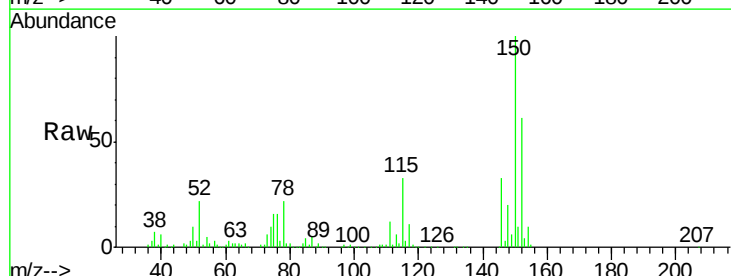


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

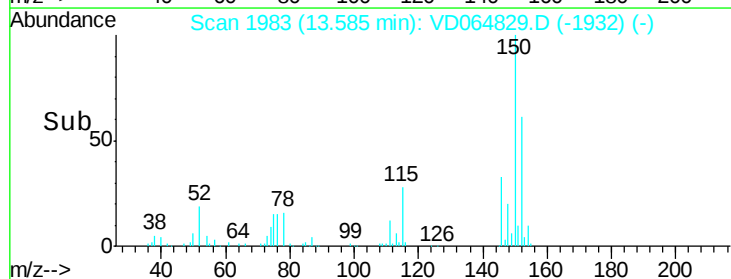
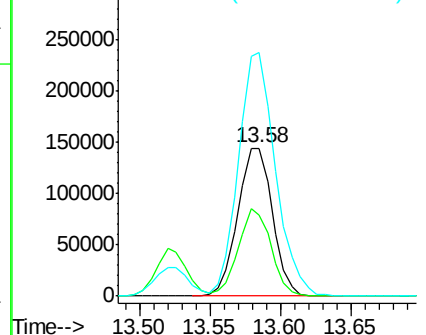


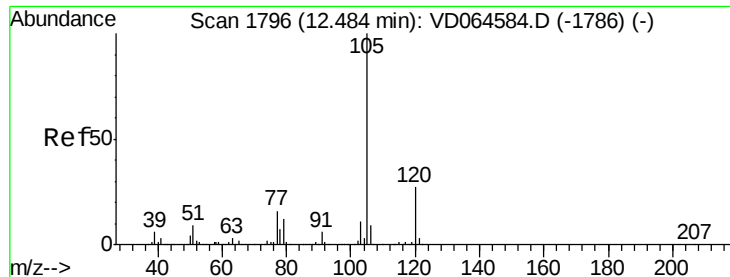
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	27.8	83.4
150	175.0	0.0	351.4



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





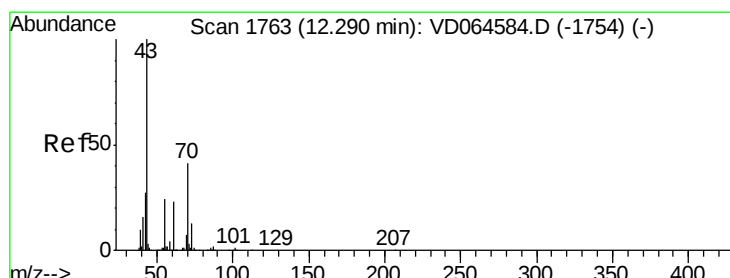
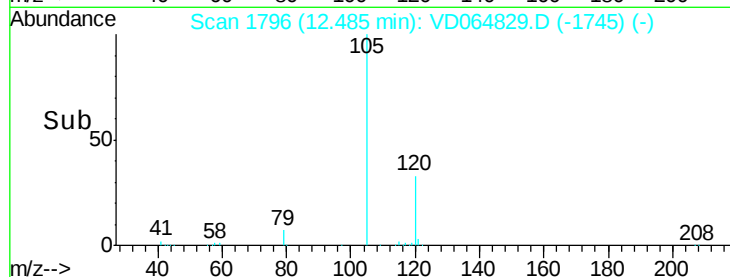
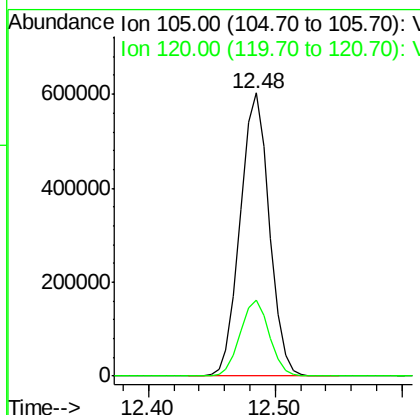
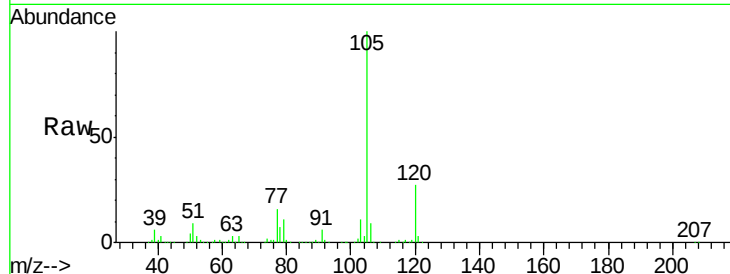
#73
Isopropylbenzene
Concen: 54.233 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.5

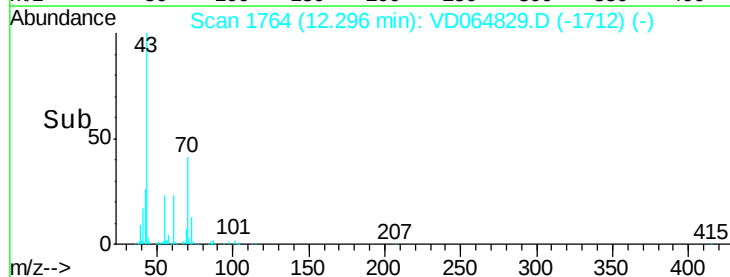
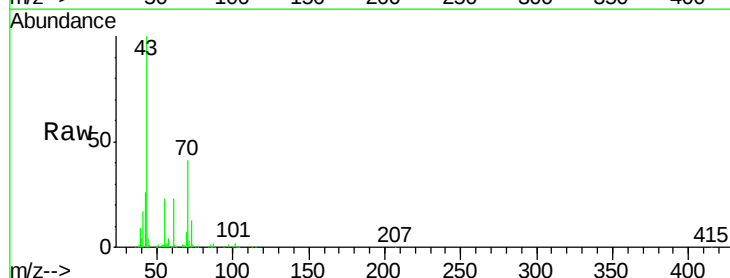
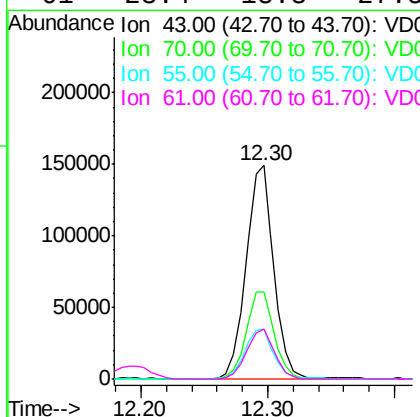
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#74
N-ethyl acetate
Concen: 59.557 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.5	33.4	50.0
55	24.8	19.4	29.0
61	23.4	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 58.804 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 163472

Ion Ratio Lower Upper

83 100

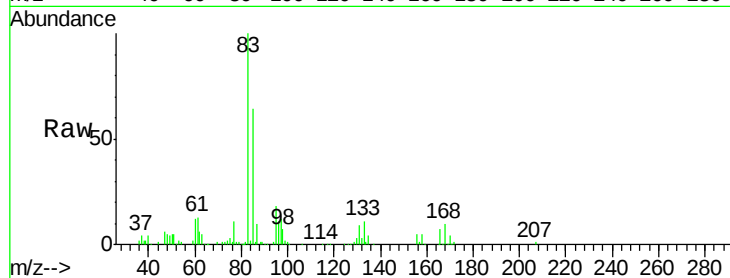
131 11.0 5.8 17.4

85 64.3 32.3 96.9

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Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC

120000

100000

80000

60000

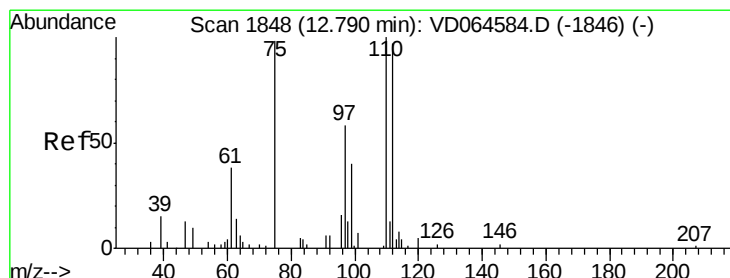
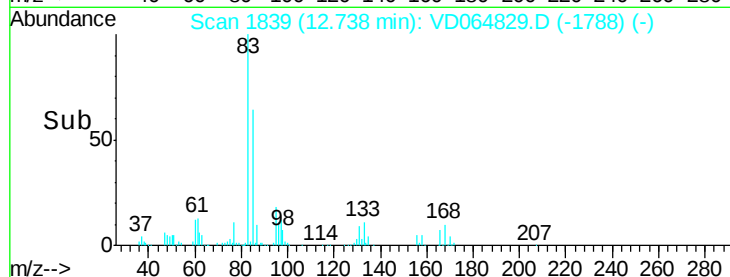
40000

20000

0

12.65 12.70 12.75 12.80

Time-->



#76

1,2,3-Trichloropropane

Concen: 50.422 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064829.D

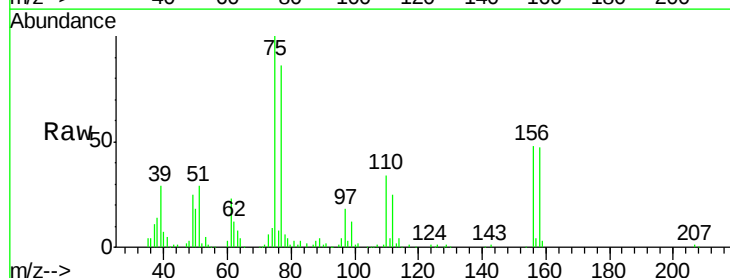
Acq: 09 Jan 2020 21:16

Tgt Ion: 75 Resp: 98599

Ion Ratio Lower Upper

75 100

77 402.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

250000

200000

150000

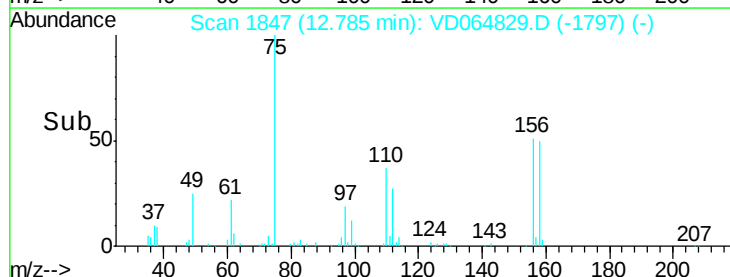
100000

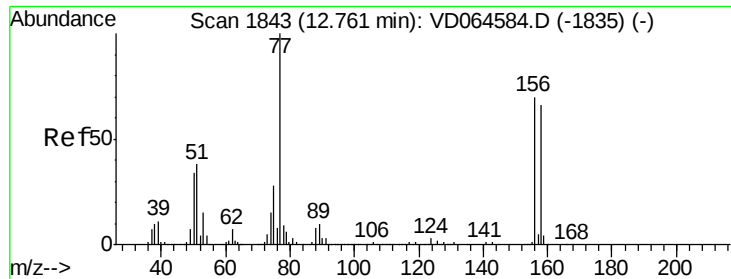
50000

0

12.76 12.78 12.80 12.82

Time-->





#77

Bromobenzene

Concen: 55.255 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

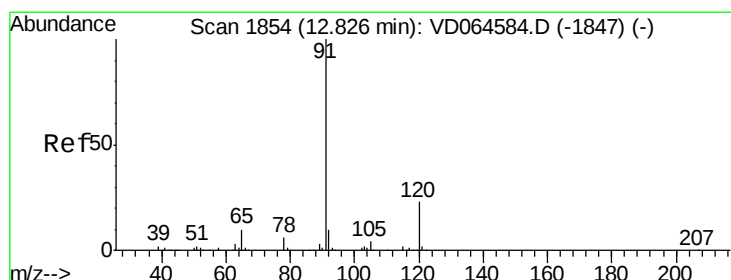
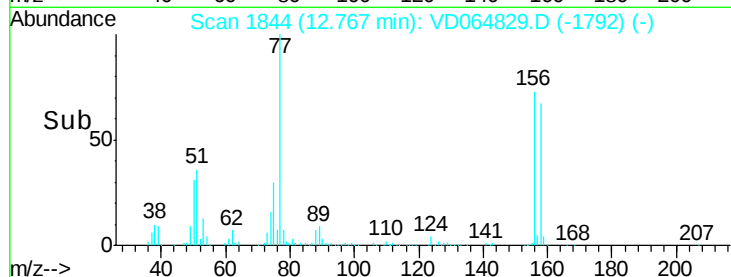
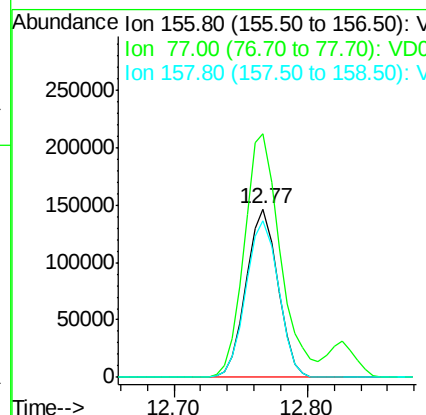
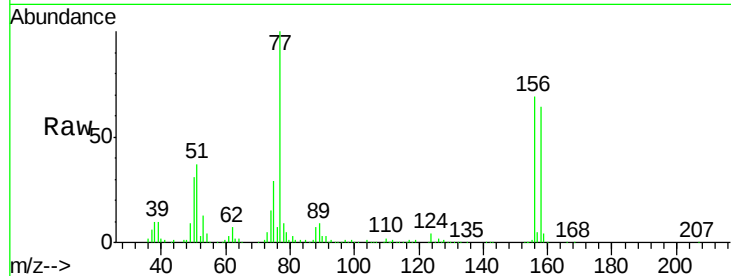
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		240267		
77	165.2		80.9	242.7	
158	95.9		48.0	144.2	

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#78

n-propylbenzene

Concen: 54.522 ug/l

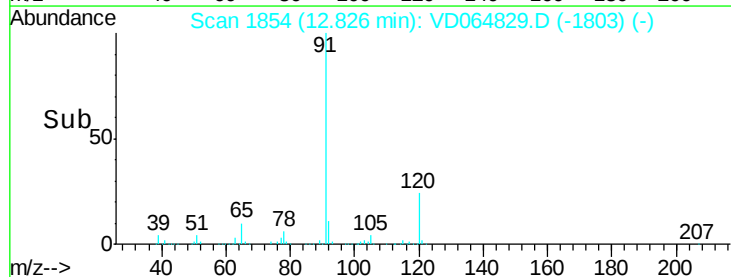
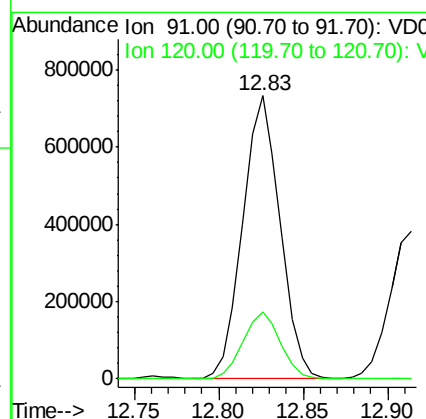
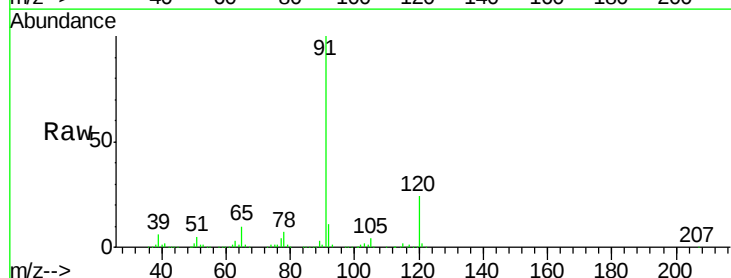
RT: 12.83 min Scan# 1854

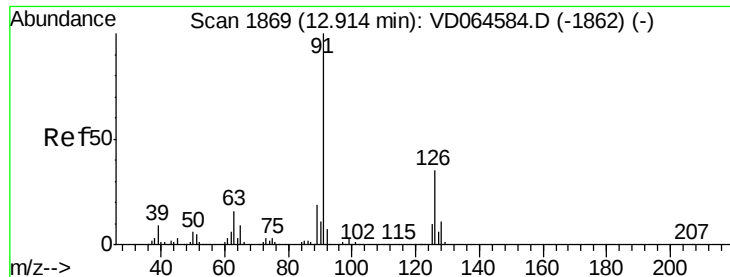
Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1125623		
120	23.6		11.9	35.9	





#79

2-Chlorotoluene

Concen: 54.884 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 622457

Ion Ratio Lower Upper

91 100

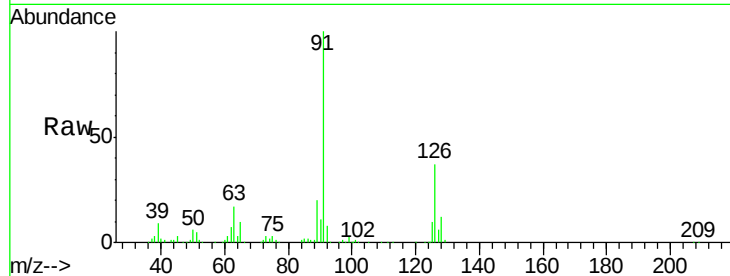
126 36.2 17.8 53.5

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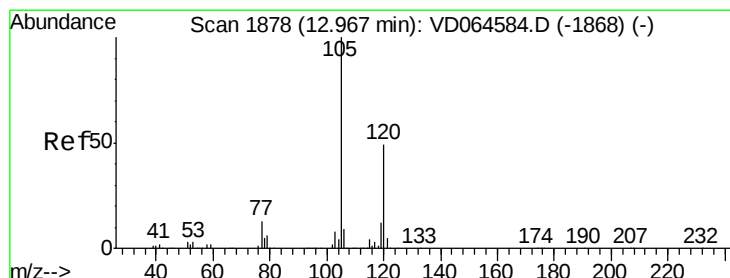
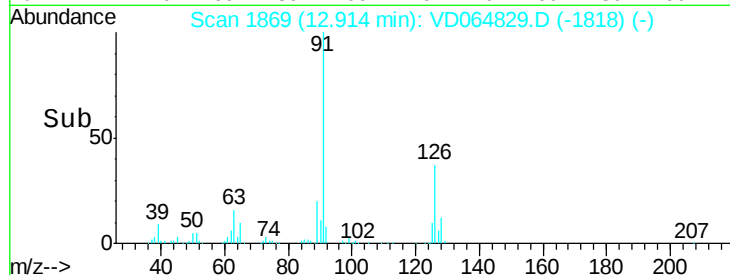
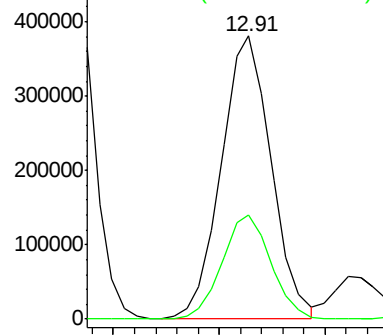
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Abundance Ion 91.00 (90.70 to 91.70): VD

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 54.571 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064829.D

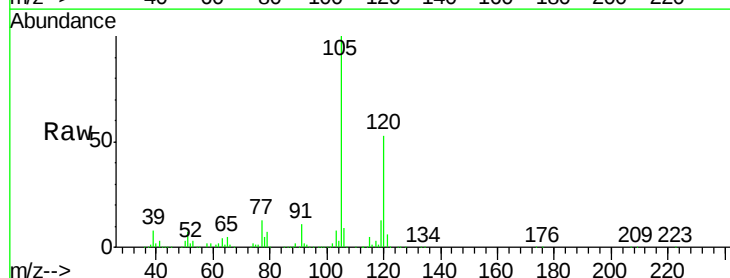
Acq: 09 Jan 2020 21:16

Tgt Ion:105 Resp: 793300

Ion Ratio Lower Upper

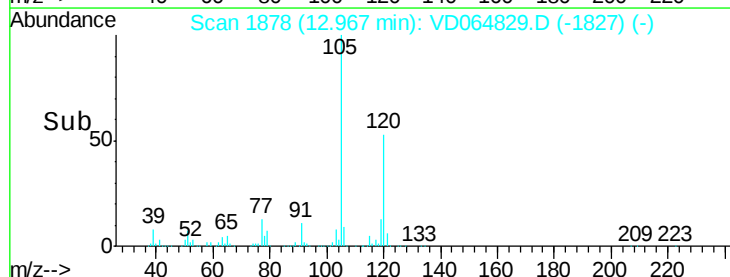
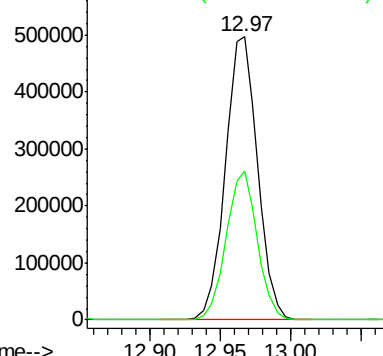
105 100

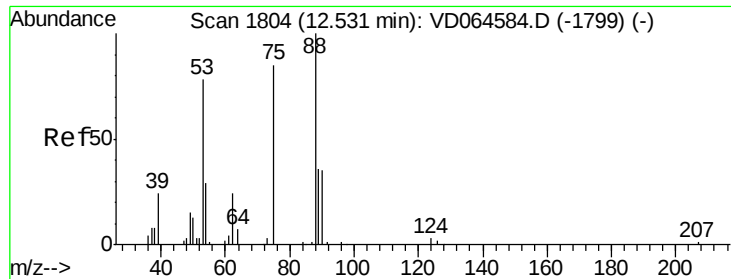
120 51.0 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 58.519 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 54714

Ion Ratio Lower Upper

75 100

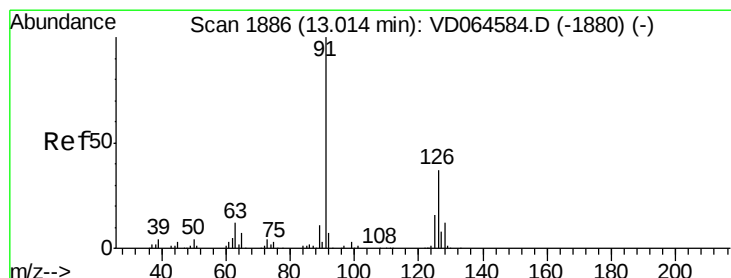
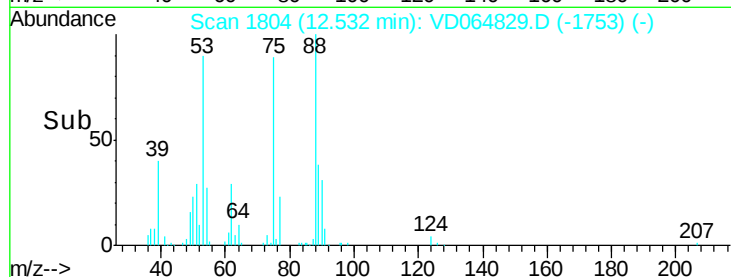
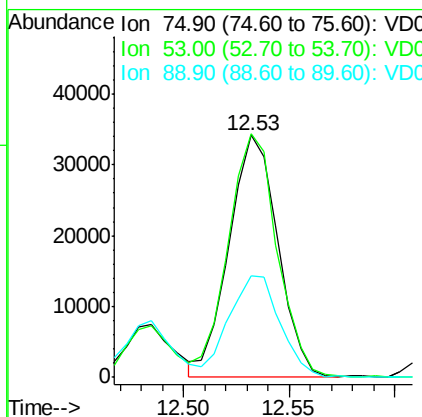
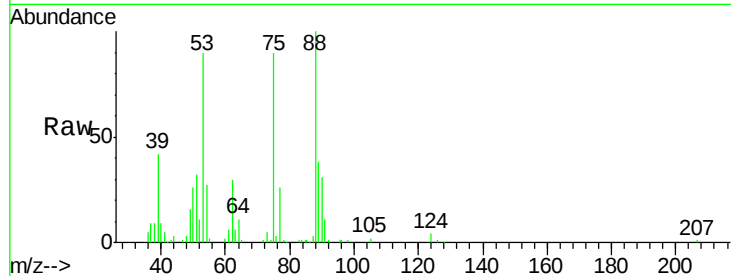
53 101.0 78.8 118.2

89 43.7 38.3 57.5

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#82

4-Chlorotoluene

Concen: 55.505 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064829.D

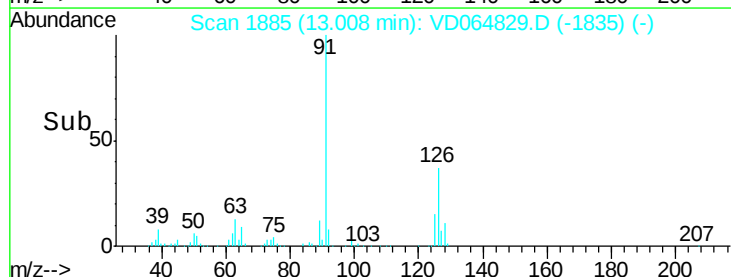
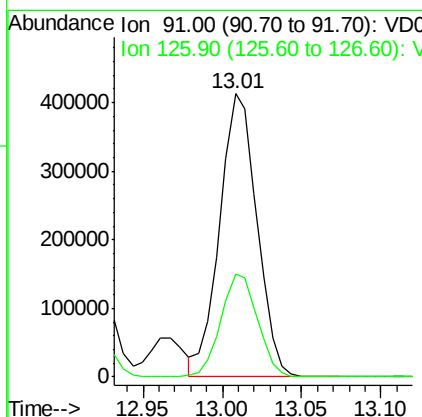
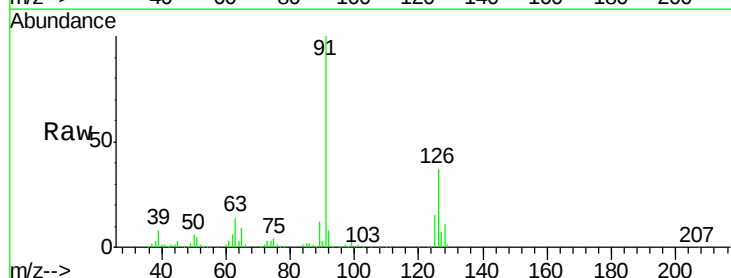
Acq: 09 Jan 2020 21:16

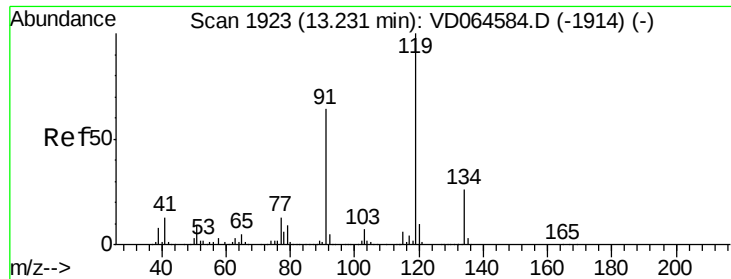
Tgt Ion: 91 Resp: 669903

Ion Ratio Lower Upper

91 100

126 36.0 17.8 53.5





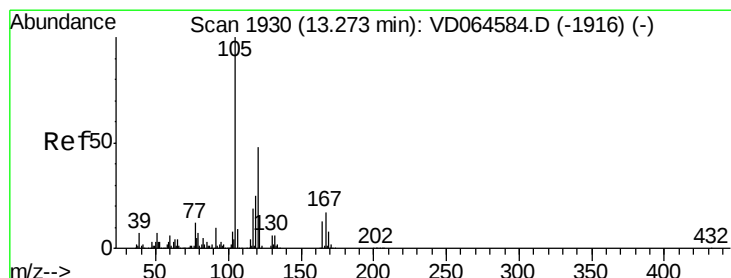
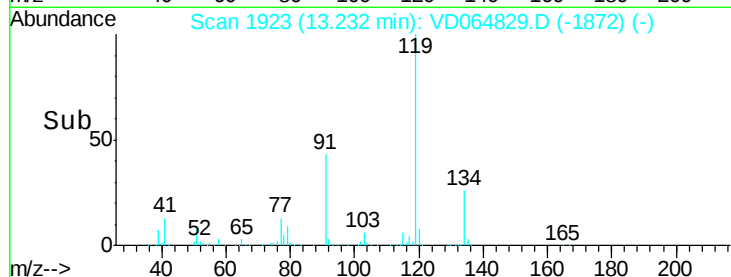
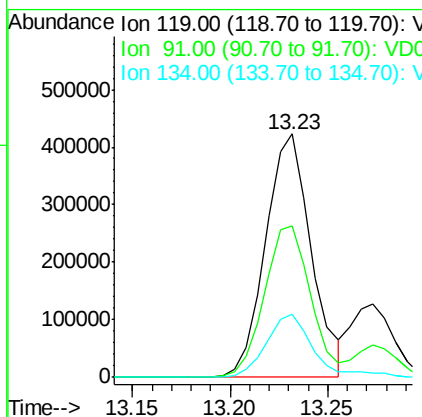
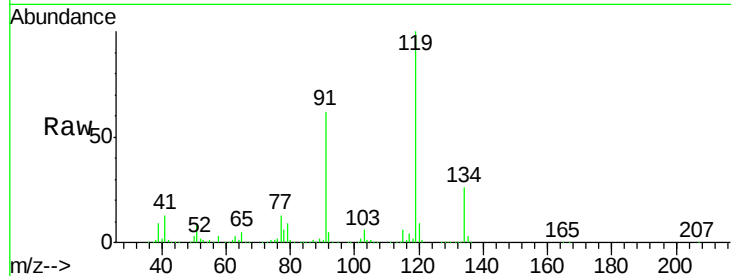
#83
 tert-Butylbenzene
 Concen: 54.391 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.9	30.8	92.4
134	27.0	12.8	38.3

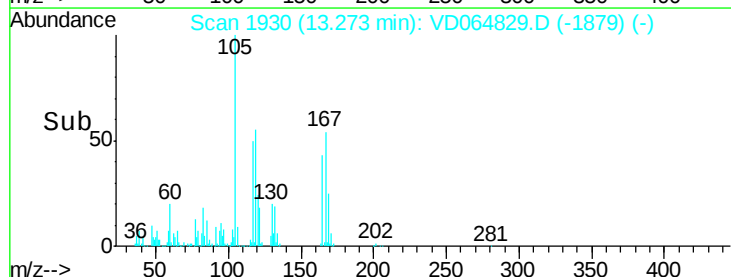
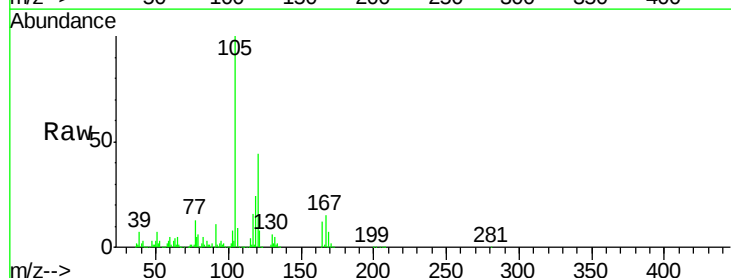
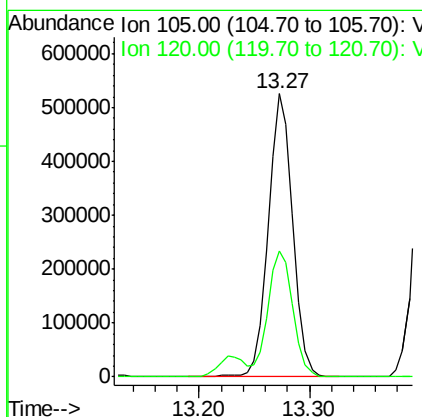
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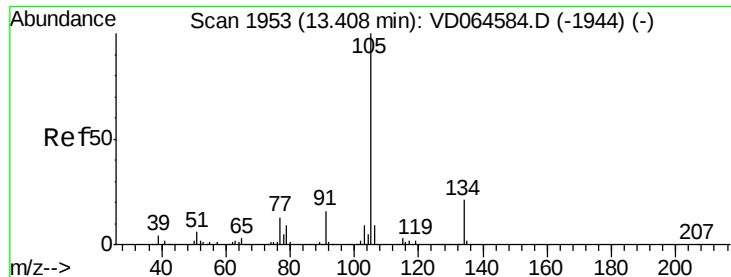
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.873 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	23.8	71.2





#85

sec-Butylbenzene

Concen: 54.099 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 936108

Ion Ratio Lower Upper

105 100

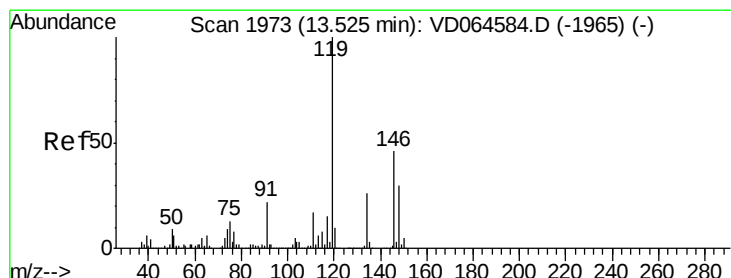
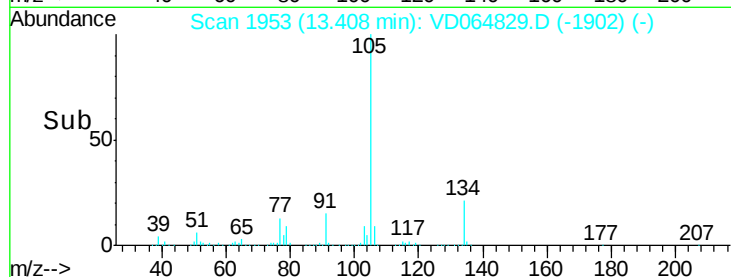
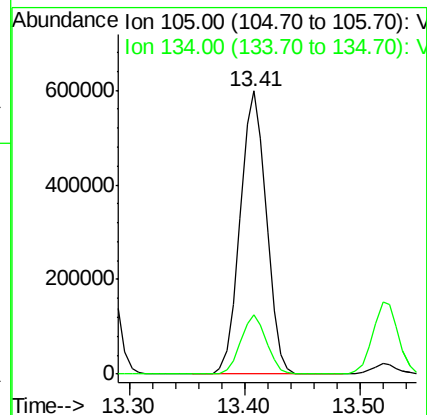
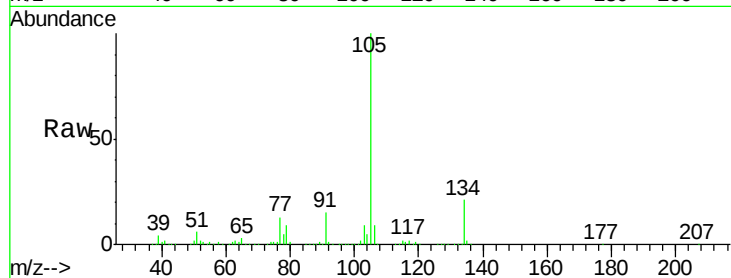
134 20.7 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 54.538 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD064829.D

Acq: 09 Jan 2020 21:16

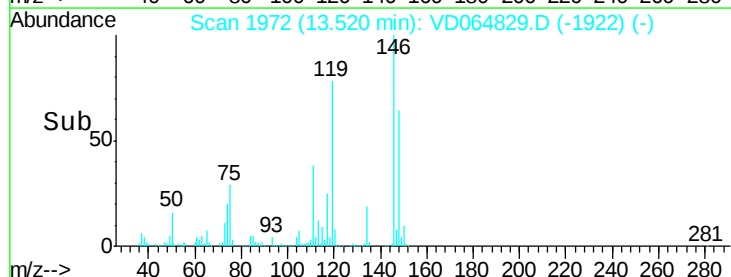
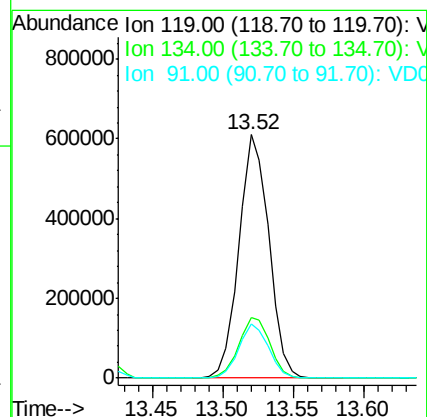
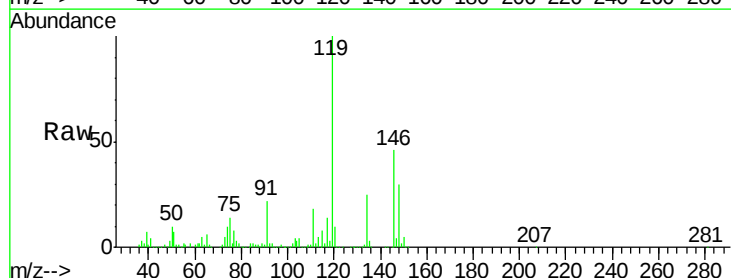
Tgt Ion:119 Resp: 902356

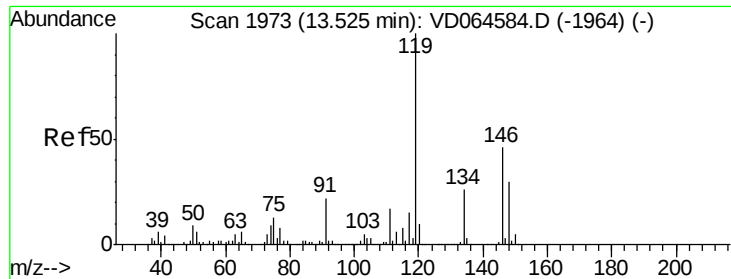
Ion Ratio Lower Upper

119 100

134 26.1 13.4 40.1

91 21.9 11.2 33.6





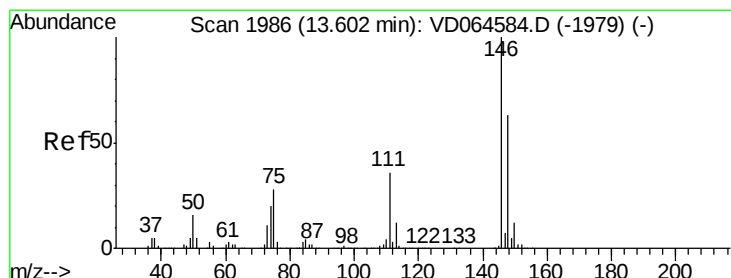
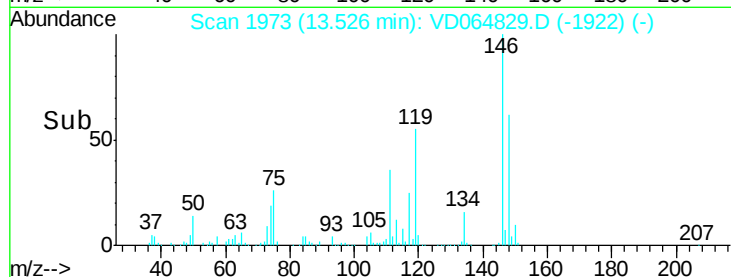
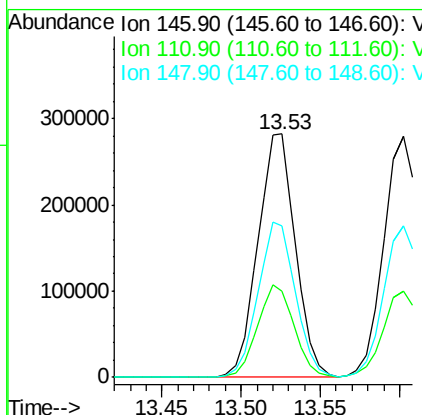
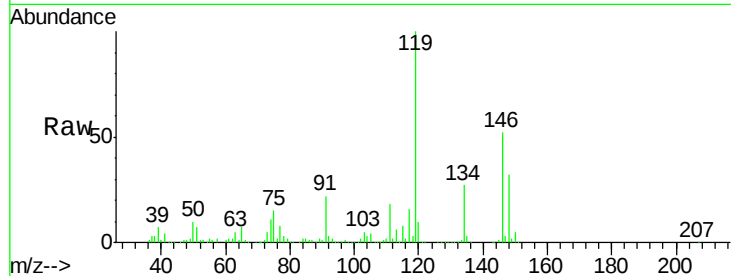
#87
 1,3-Dichlorobenzene
 Concen: 56.038 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100	464515		
111	37.3	18.8	56.4	
148	63.6	32.5	97.5	

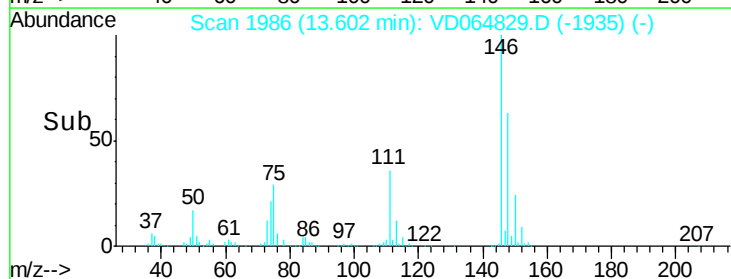
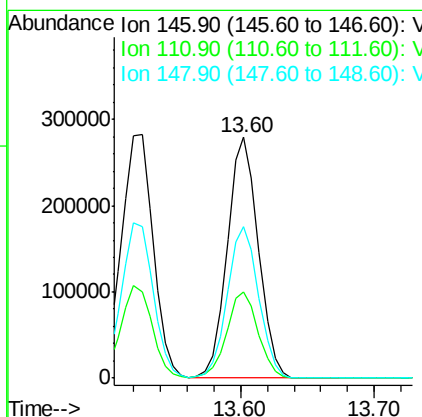
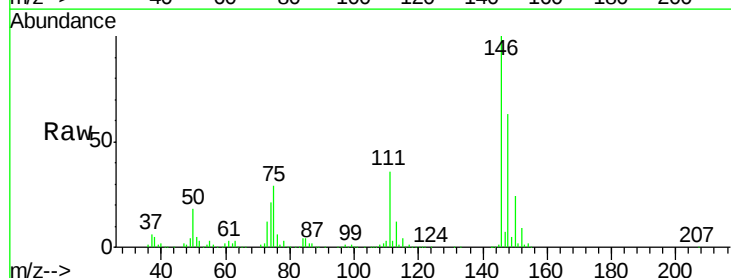
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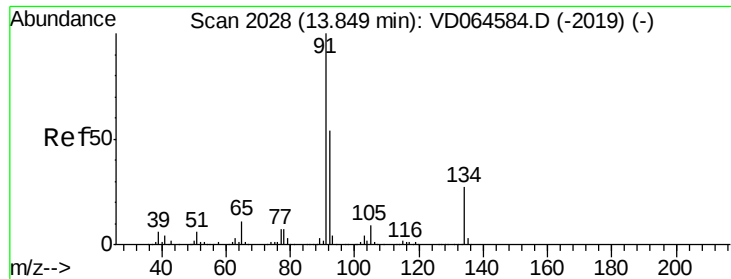
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#88
 1,4-Dichlorobenzene
 Concen: 55.578 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	452582		
111	36.2	18.1	54.1	
148	63.4	32.3	96.9	





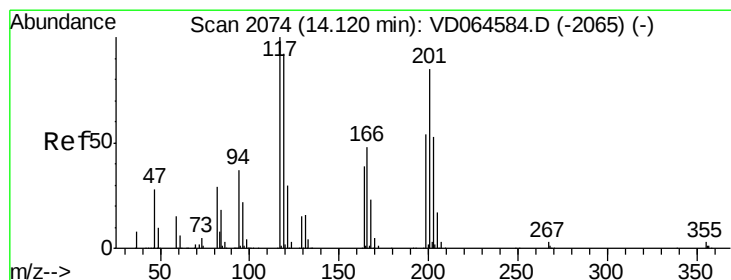
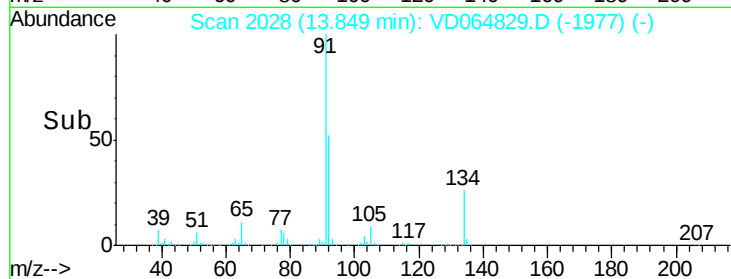
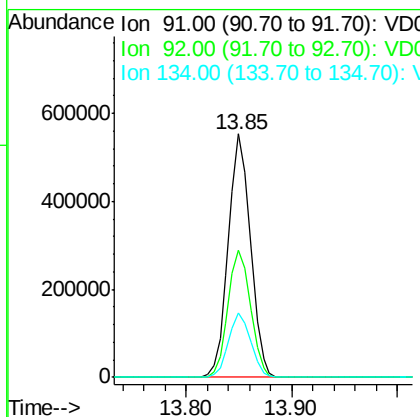
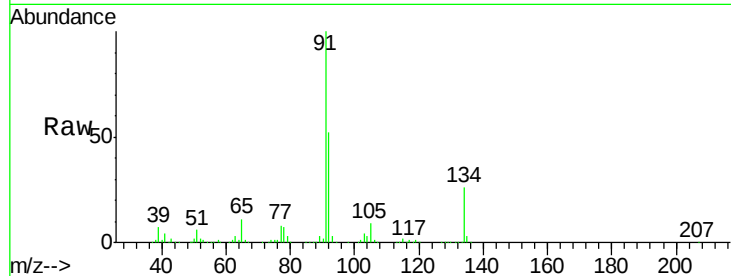
#89
n-Butylbenzene
Concen: 53.885 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.8	80.4
134	26.4	14.0	41.9

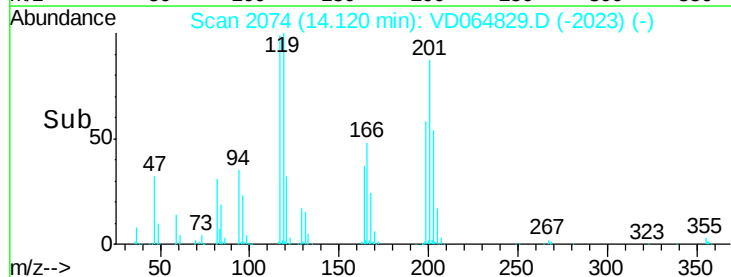
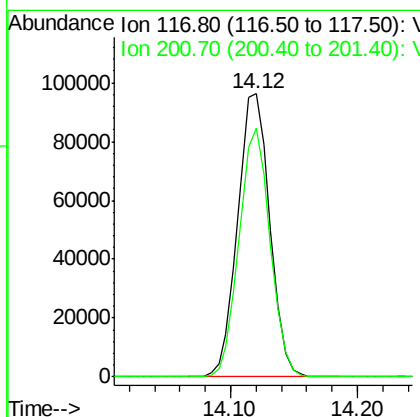
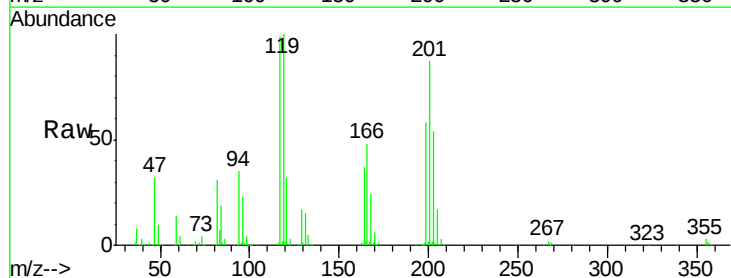
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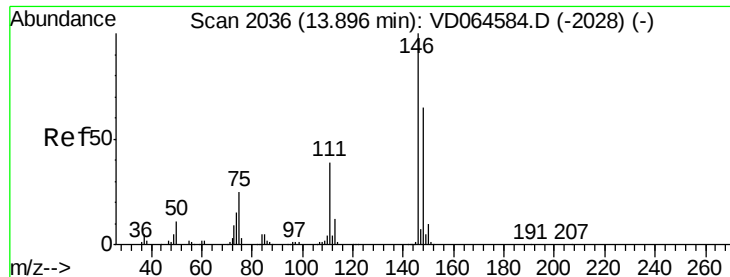
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#90
Hexachloroethane
Concen: 53.505 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.8	44.0	131.8





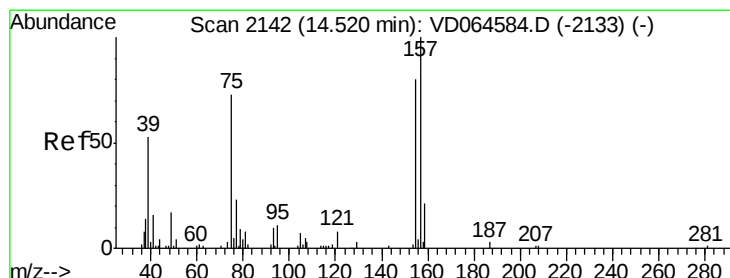
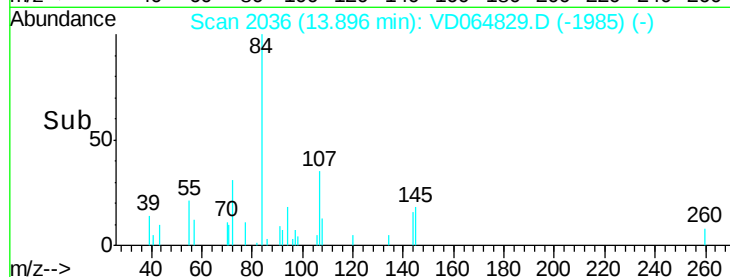
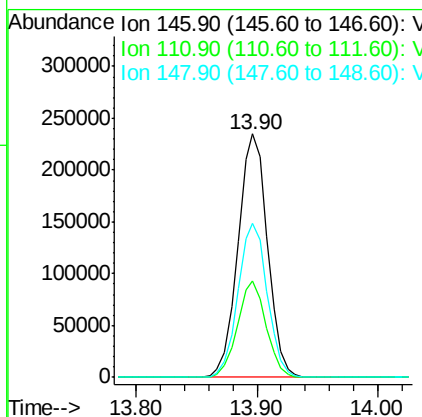
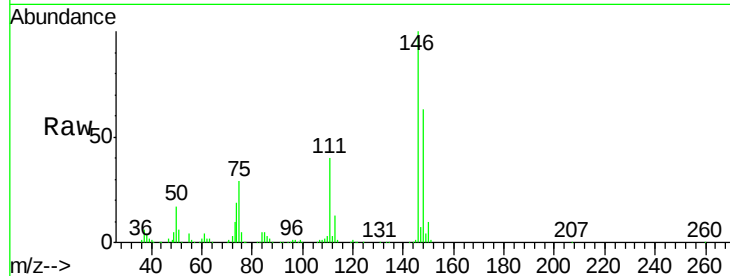
#91
 1,2-Dichlorobenzene
 Concen: 56.457 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.3	57.9
148	62.8	31.9	95.5

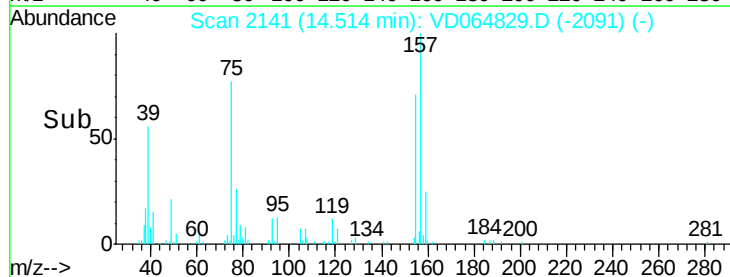
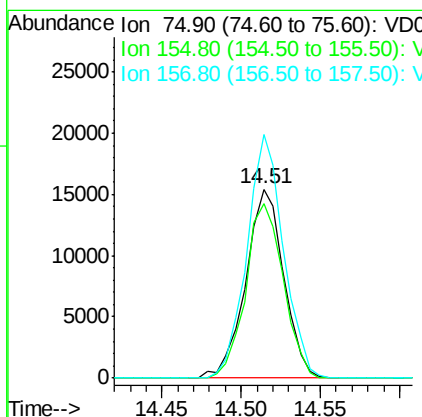
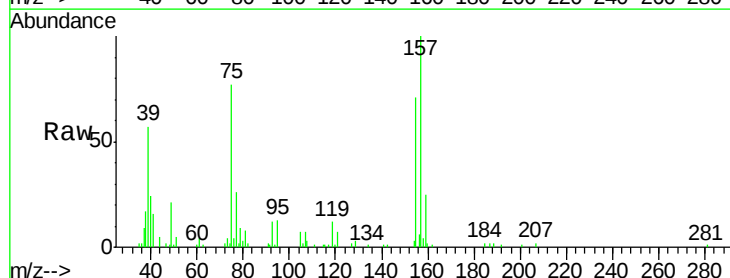
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 57.218 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064829.D
 Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.8	48.0	144.0
157	123.3	64.1	192.3





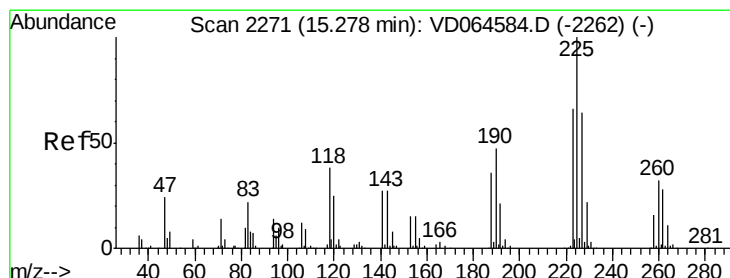
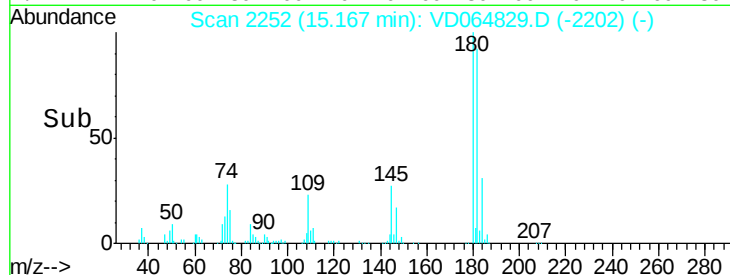
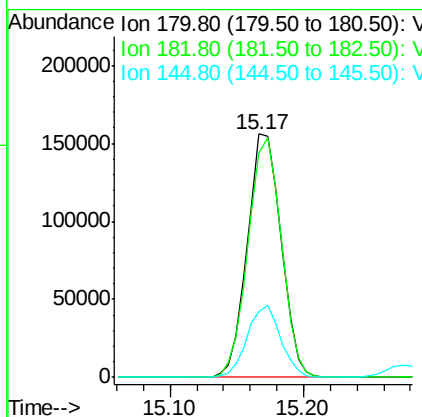
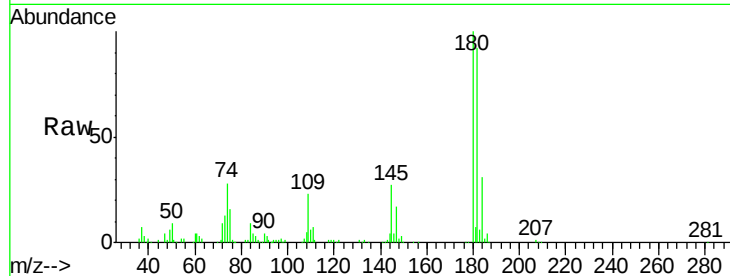
#93
1,2,4-Trichlorobenzene
Concen: 52.540 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	48.0	144.2
145	29.1	13.8	41.4

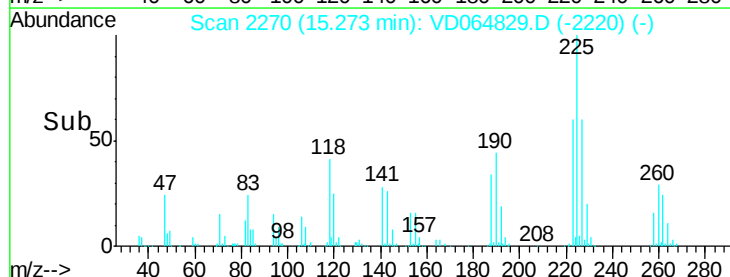
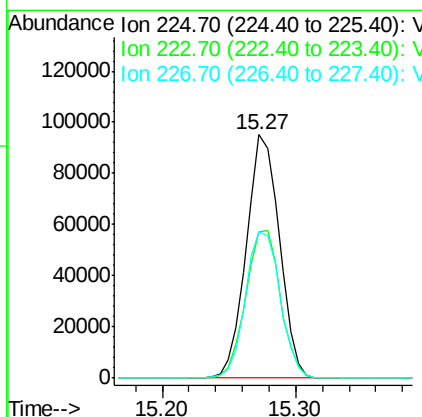
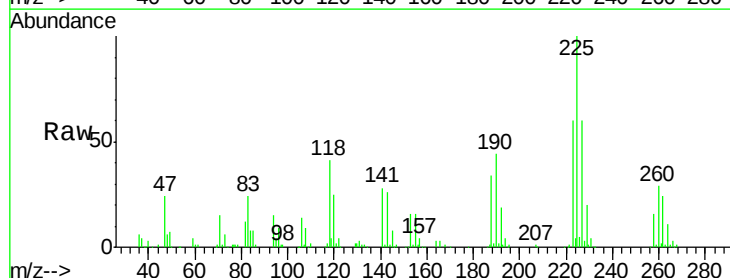
Manual Integrations
APPROVED

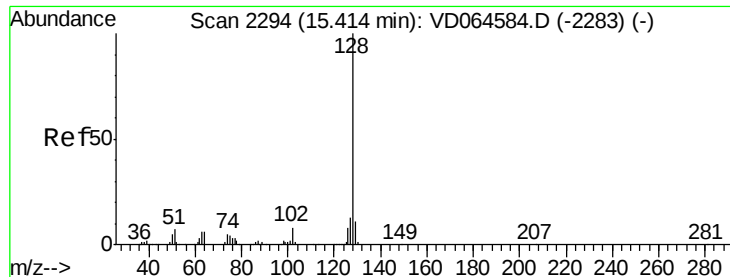
MMDadoda
1/10/2020 10:42:25 AM



#94
Hexachlorobutadiene
Concen: 49.649 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.1	93.2
227	63.0	30.9	92.7





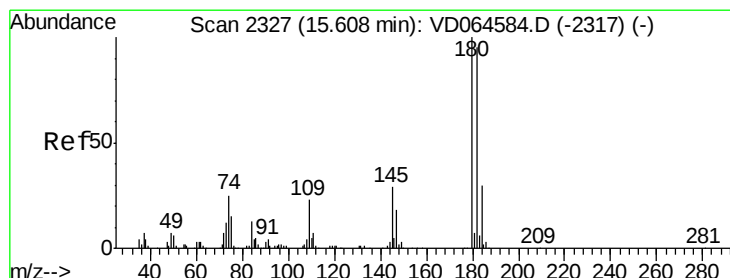
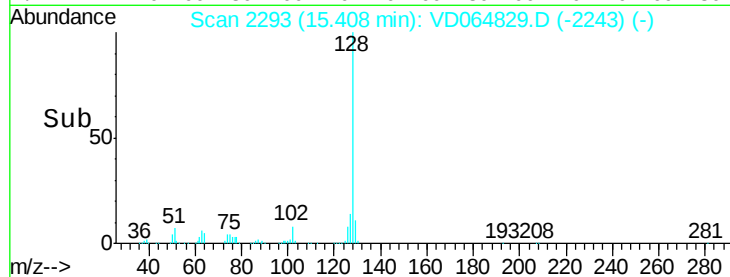
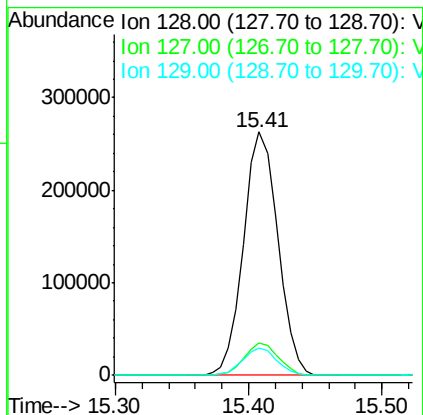
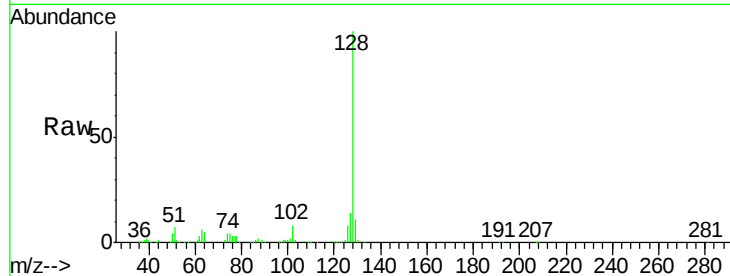
#95
Naphthalene
Concen: 56.913 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/10/2020 10:42:25 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.284 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064829.D
Acq: 09 Jan 2020 21:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.9	143.7
145	30.3	14.9	44.7

