

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
 Data File : VD064899.D
 Acq On : 20 Jan 2020 19:24
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 9:23:32 AM

Quant Time: Jan 21 05:54:00 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	296292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	441955	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	404854	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	208825	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	151749	58.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.16%	
35) Dibromofluoromethane	7.92	113	148285	54.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.38%	
50) Toluene-d8	10.34	98	540337	52.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.64	95	175896	53.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	94399	40.996	ug/l	96
3) Chloromethane	2.21	50	158085	49.089	ug/l	98
4) Vinyl Chloride	2.35	62	183343	46.694	ug/l	97
5) Bromomethane	2.77	94	130576	45.737	ug/l	96
6) Chloroethane	2.93	64	131229	49.879	ug/l	100
7) Trichlorofluoromethane	3.27	101	304143	46.003	ug/l	97
8) Diethyl Ether	3.71	74	72834	55.477	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.08	101	139855	51.079	ug/l	97
10) Methyl Iodide	4.30	142	140909	47.911	ug/l	98
11) Tert butyl alcohol	5.25	59	51398	343.264	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	128468	49.283	ug/l	93
13) Acrolein	3.93	56	25857	123.910	ug/l	96
14) Allyl chloride	4.71	41	225046	55.372	ug/l	100
15) Acrylonitrile	5.43	53	171256	313.167	ug/l	98
16) Acetone	4.17	43	134427	243.729	ug/l	98
17) Carbon Disulfide	4.40	76	370251	43.927	ug/l	98
18) Methyl Acetate	4.73	43	89546	60.878	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	358027	61.836	ug/l	97
20) Methylene Chloride	4.97	84	188193	72.644	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	157663	53.109	ug/l	96
22) Diisopropyl ether	6.37	45	514325	63.446	ug/l	96
23) Vinyl Acetate	6.31	43	1468710	319.391	ug/l	100
24) 1,1-Dichloroethane	6.27	63	293953	60.403	ug/l	99
25) 2-Butanone	7.23	43	214292	298.390	ug/l	94
26) 2,2-Dichloropropane	7.21	77	251020	55.478	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	184889	57.708	ug/l	97
28) Bromochloromethane	7.55	49	119835	63.345	ug/l	98
29) Tetrahydrofuran	7.57	42	140546	314.698	ug/l	97
30) Chloroform	7.71	83	312098	61.126	ug/l	99
31) Cyclohexane	7.99	56	225353	46.260	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	267848	55.851	ug/l	99
36) 1,1-Dichloropropene	8.12	75	217072	51.030	ug/l	99
37) Ethyl Acetate	7.30	43	102278	61.204	ug/l	99
38) Carbon Tetrachloride	8.10	117	238464	52.574	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	244112	47.381	ug/l	93
40) Benzene	8.36	78	649124	55.899	ug/l	100
41) Methacrylonitrile	7.54	41	61793	63.732	ug/l	95
42) 1,2-Dichloroethane	8.43	62	207568	61.855	ug/l	97
43) Isopropyl Acetate	8.46	43	199317	59.923	ug/l	99
44) Trichloroethene	9.11	130	180026	52.772	ug/l	98
45) 1,2-Dichloropropane	9.39	63	168444	60.753	ug/l	95
46) Dibromomethane	9.48	93	93849	60.711	ug/l	98
47) Bromodichloromethane	9.67	83	248937	60.519	ug/l	99
48) Methyl methacrylate	9.46	41	91290	58.289	ug/l	89
49) 1,4-Dioxane	9.47	88	20829	1168.563	ug/l #	92
51) 4-Methyl-2-Pentanone	10.24	43	503073	305.992	ug/l	99
52) Toluene	10.41	92	422950	55.515	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	226797	59.139	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	268836	59.451	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	127690	61.293	ug/l	94
56) Ethyl methacrylate	10.67	69	155110	59.618	ug/l	96
57) 1,3-Dichloropropane	10.95	76	221276	61.689	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	282630	285.128	ug/l	99
59) 2-Hexanone	10.99	43	341517	306.055	ug/l	99
60) Dibromochloromethane	11.14	129	173689	60.290	ug/l	100
61) 1,2-Dibromoethane	11.25	107	122394	59.566	ug/l	100
64) Tetrachloroethene	10.88	164	150006	48.296	ug/l	93
65) Chlorobenzene	11.67	112	460580	54.813	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	185291	58.494	ug/l	98
67) Ethyl Benzene	11.75	91	798093	52.329	ug/l	99
68) m/p-Xylenes	11.86	106	626997	106.511	ug/l	98
69) o-Xylene	12.18	106	287028	53.981	ug/l	99
70) Styrene	12.20	104	529872	56.773	ug/l	99
71) Bromoform	12.37	173	103051	57.046	ug/l	99
73) Isopropylbenzene	12.48	105	764459	51.227	ug/l	99
74) N-amyl acetate	12.30	43	178950	56.097	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	132737	56.622	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	89891m	54.512	ug/l	
77) Bromobenzene	12.77	156	195035	53.189	ug/l	97
78) n-propylbenzene	12.83	91	907704	52.138	ug/l	99
79) 2-Chlorotoluene	12.91	91	502055	52.495	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	639493	52.167	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	42916	54.431	ug/l	94
82) 4-Chlorotoluene	13.01	91	535990	52.663	ug/l	100
83) tert-Butylbenzene	13.23	119	536097	50.368	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	652093	53.412	ug/l	97
85) sec-Butylbenzene	13.41	105	741521	50.818	ug/l	98
86) p-Isopropyltoluene	13.53	119	709398	50.844	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	375501	53.718	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	361927	52.706	ug/l	99
89) n-Butylbenzene	13.85	91	631986	50.299	ug/l	99
90) Hexachloroethane	14.12	117	139833	52.466	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	322505	54.106	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20335	53.508	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	224516	51.156	ug/l	99
94) Hexachlorobutadiene	15.28	225	133420	48.310	ug/l	99
95) Naphthalene	15.41	128	371614	53.522	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	198041	52.857	ug/l	100

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

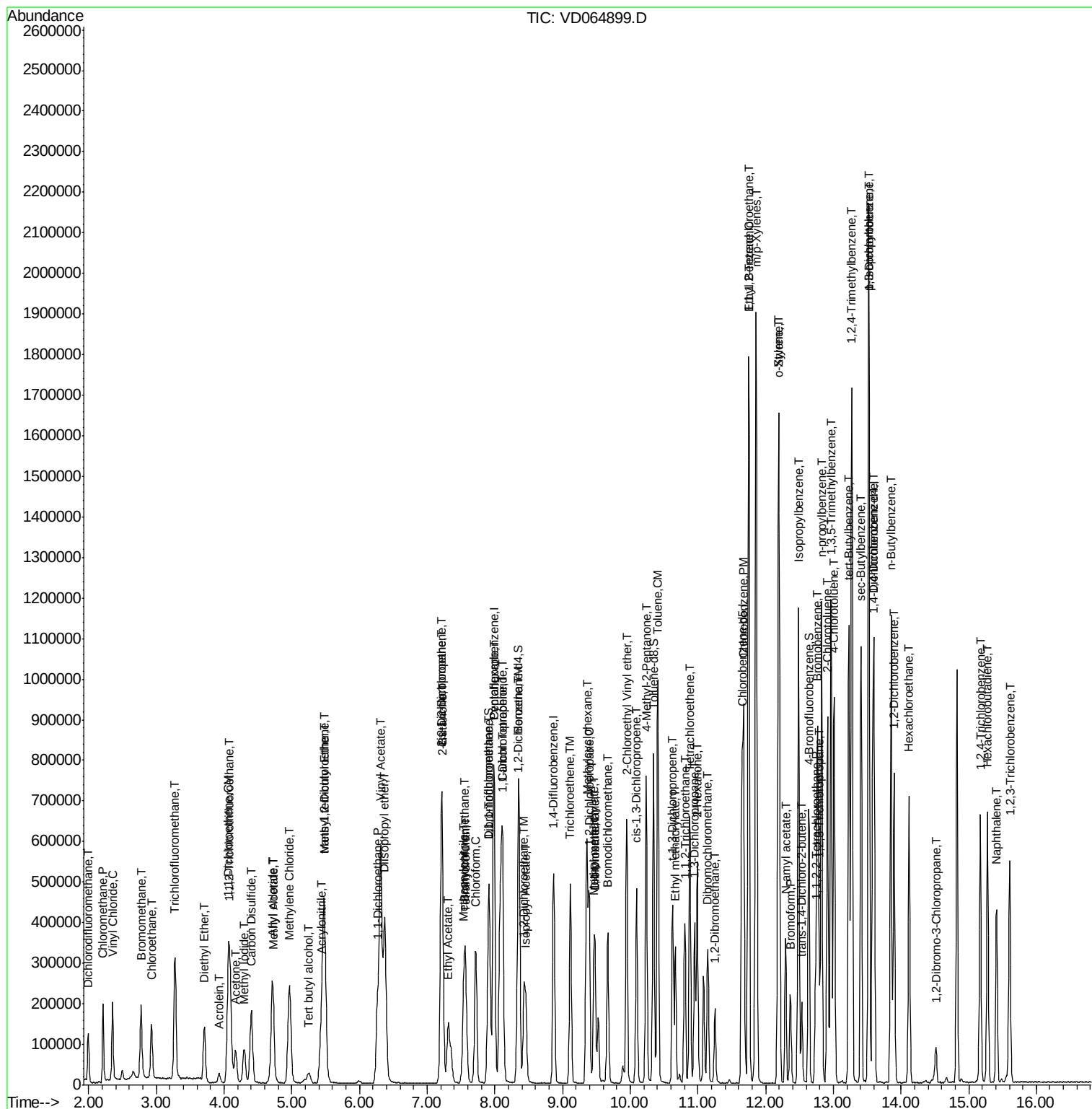
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
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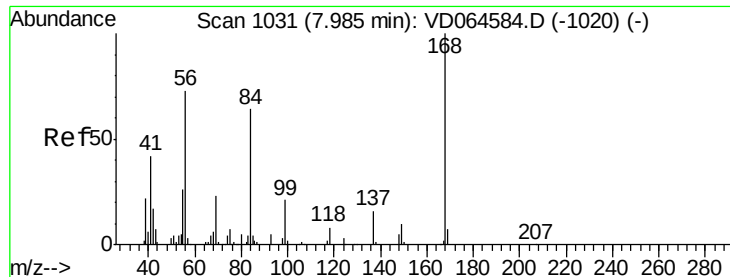
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 296292

Ion Ratio Lower Upper

168 100

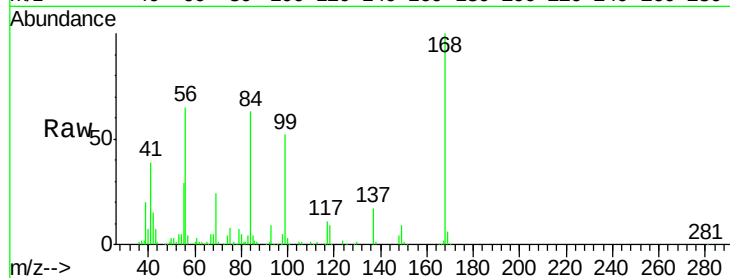
99 52.0 41.8 62.6

Manual Integrations

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1/21/2020 9:23:32 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

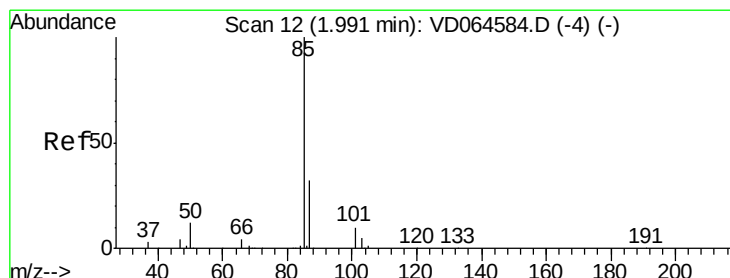
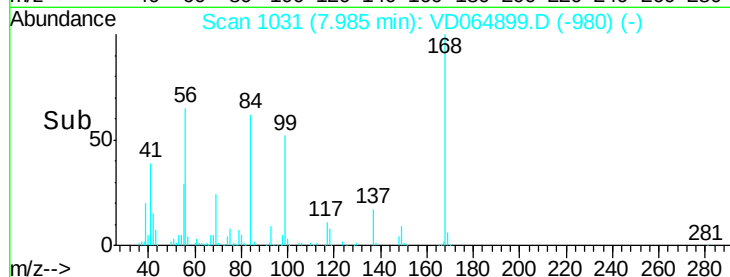
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.996 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064899.D

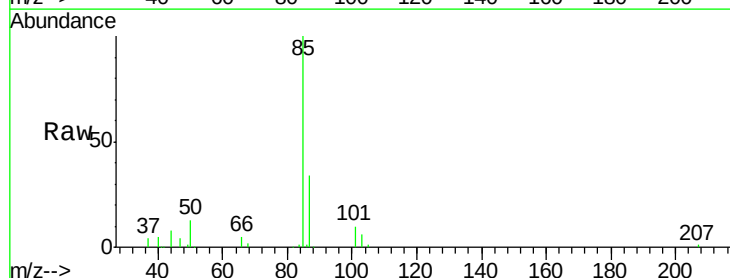
Acq: 20 Jan 2020 19:24

Tgt Ion: 85 Resp: 94399

Ion Ratio Lower Upper

85 100

87 34.1 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

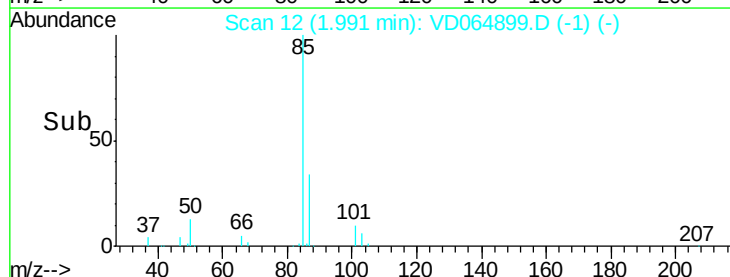
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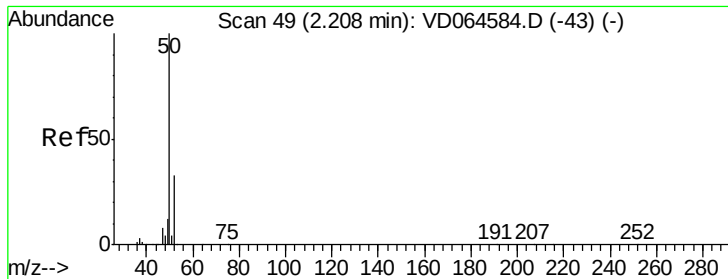
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 49.089 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 158085

Ion Ratio Lower Upper

50 100

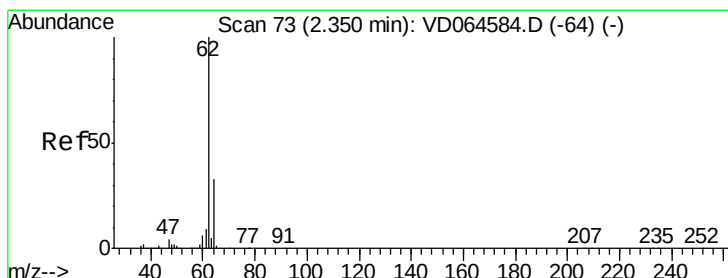
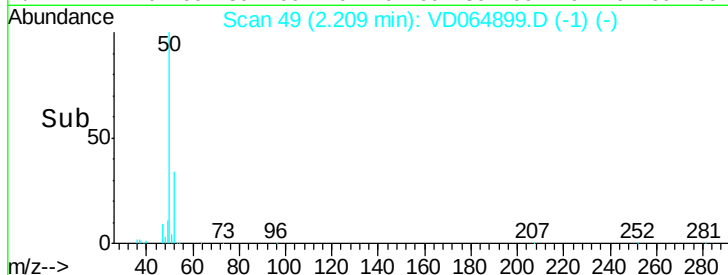
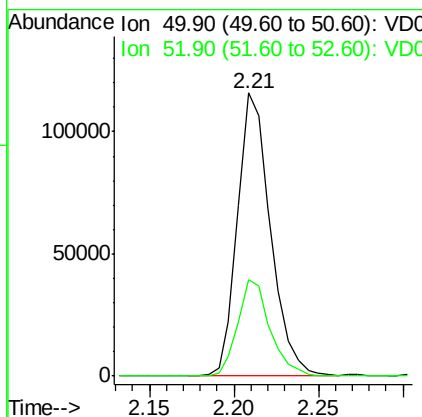
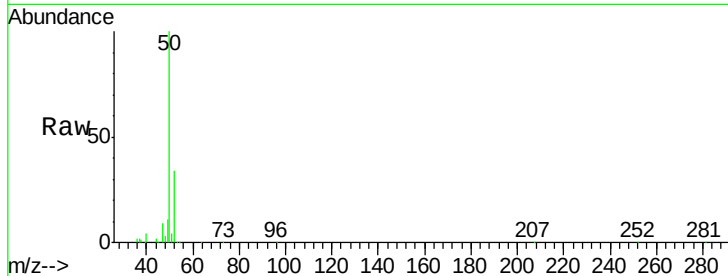
52 34.1 26.5 39.7

Manual Integrations

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1/21/2020 9:23:32 AM



#4

Vinyl Chloride

Concen: 46.694 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064899.D

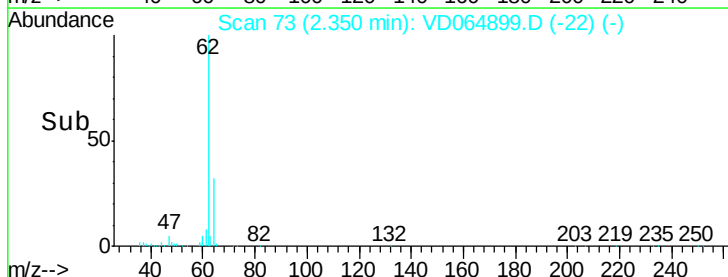
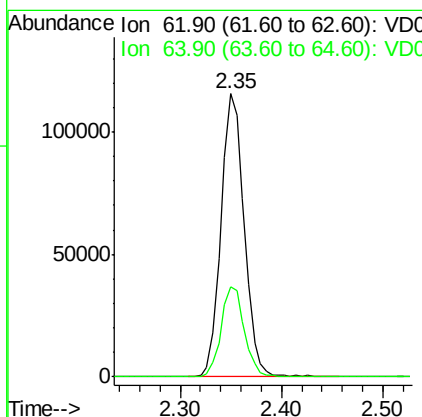
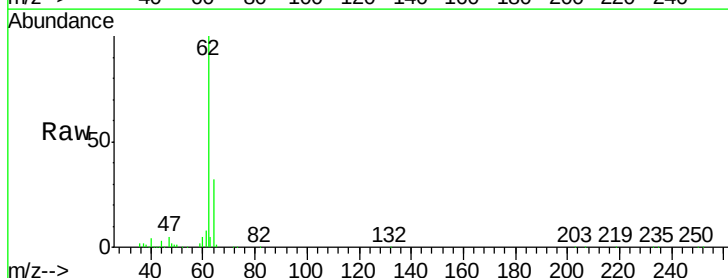
Acq: 20 Jan 2020 19:24

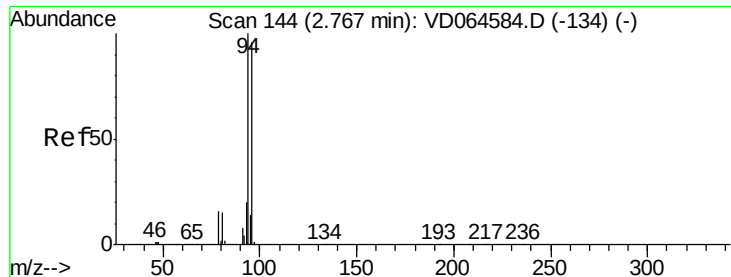
Tgt Ion: 62 Resp: 183343

Ion Ratio Lower Upper

62 100

64 31.9 26.6 40.0





#5

Bromomethane

Concen: 45.737 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 130576

Ion Ratio Lower Upper

94 100

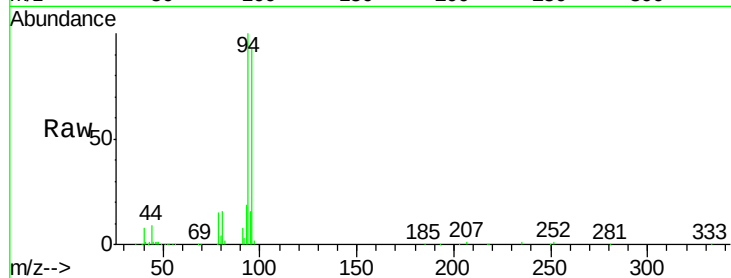
96 92.4 77.2 115.8

Manual Integrations

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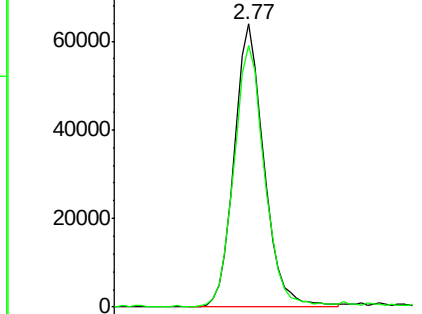
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1/21/2020 9:23:32 AM

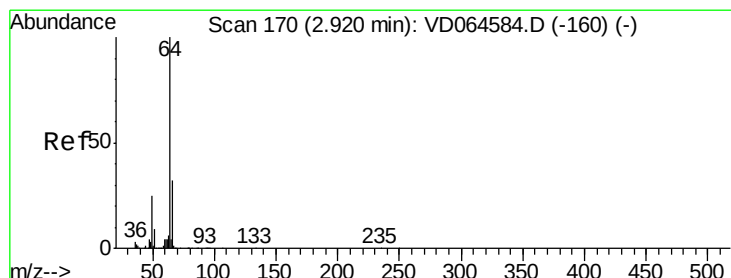
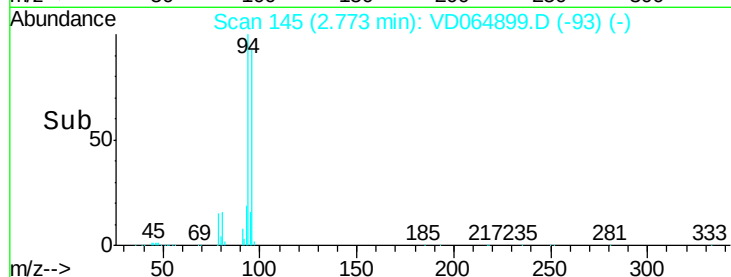


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 49.879 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064899.D

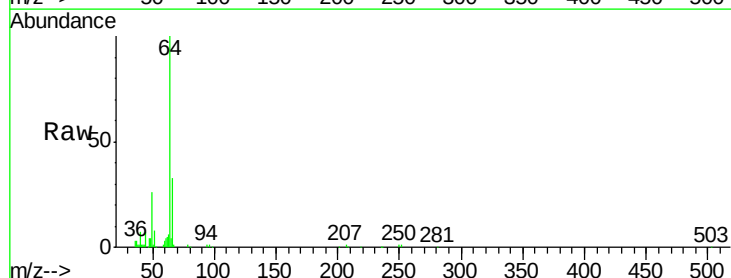
Acq: 20 Jan 2020 19:24

Tgt Ion: 64 Resp: 131229

Ion Ratio Lower Upper

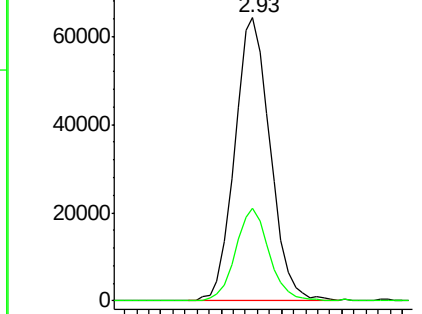
64 100

66 32.4 25.9 38.9

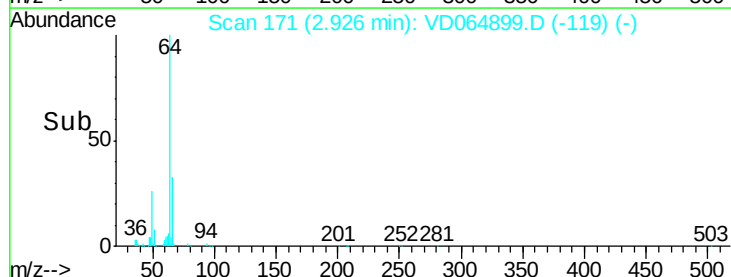


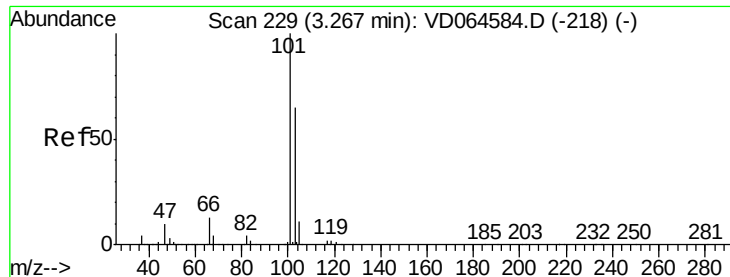
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

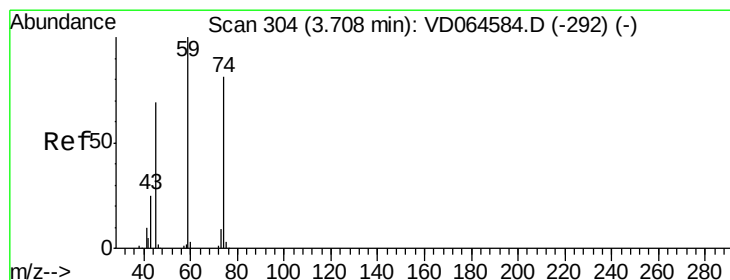
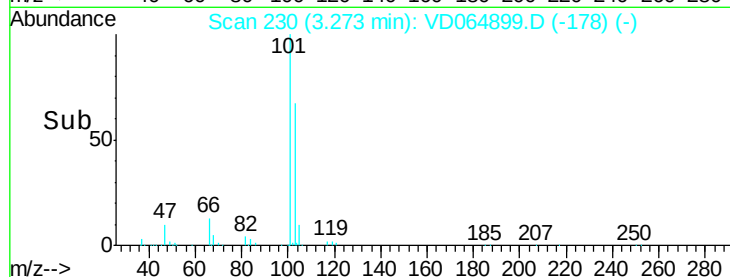
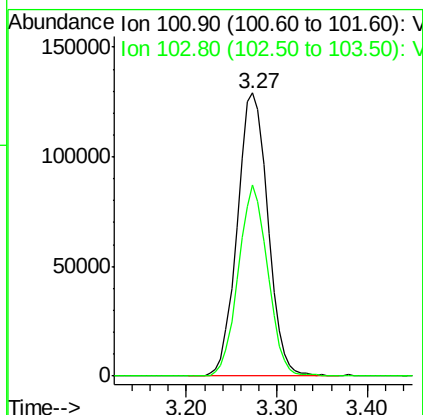
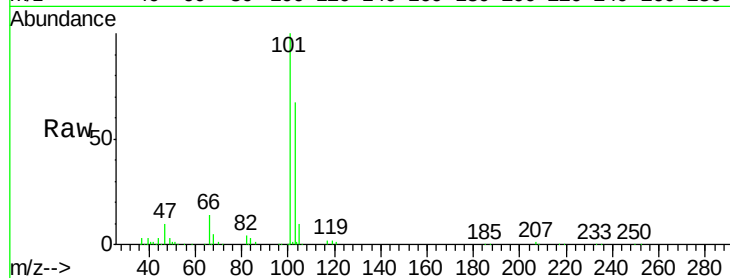
Trichlorofluoromethane
Concen: 46.003 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.5	52.2	78.4

Manual Integrations
APPROVED

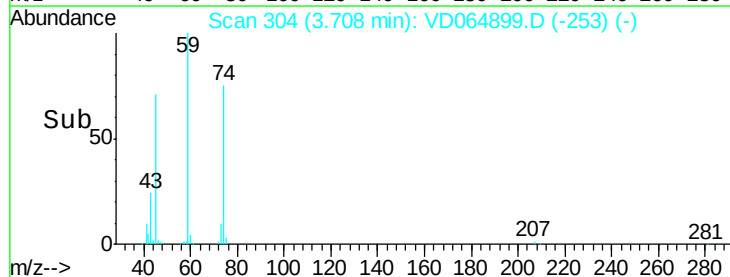
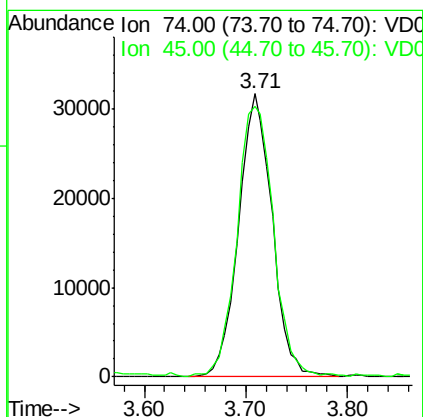
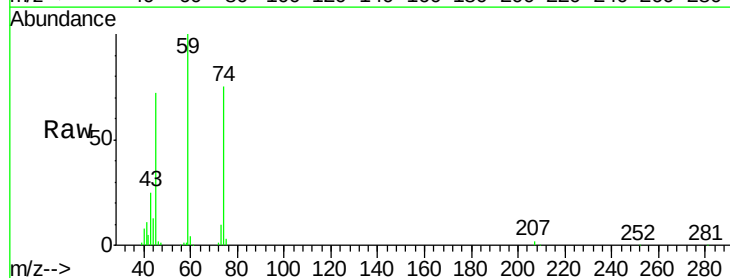
MMDadoda
1/21/2020 9:23:32 AM

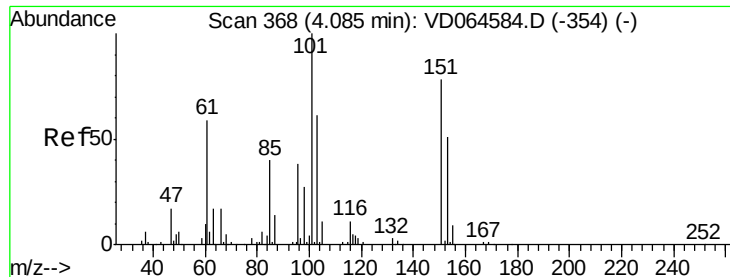


#8

Diethyl Ether
Concen: 55.477 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.5	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.079 ug/l

RT: 4.08 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

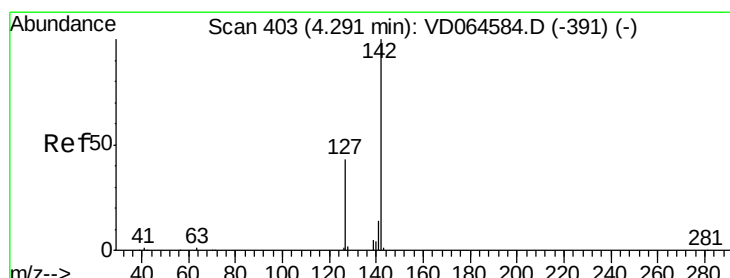
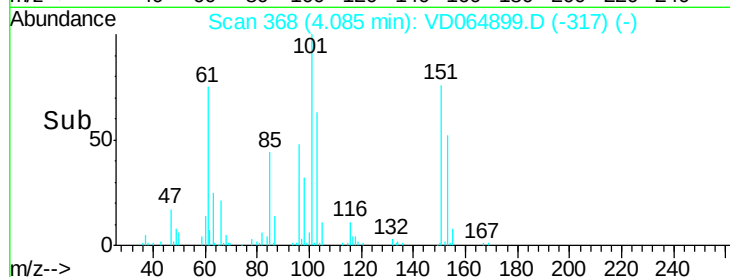
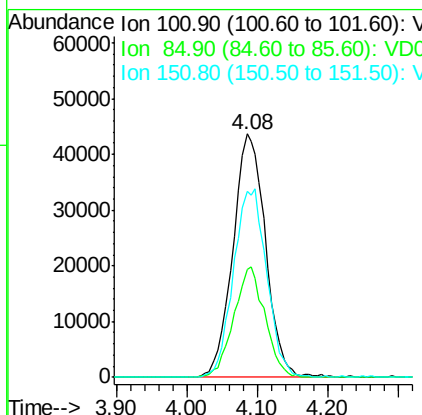
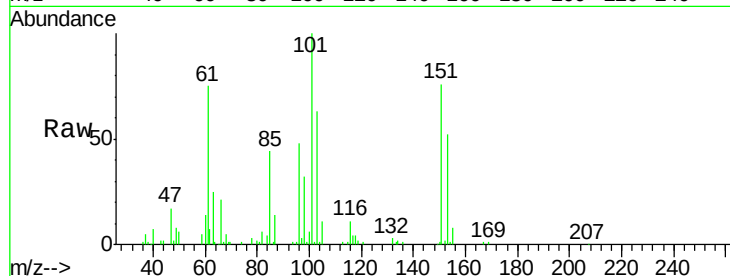
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	139855
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.2	52.8
151	79.3	66.2	99.4

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#10

Methyl Iodide

Concen: 47.911 ug/l

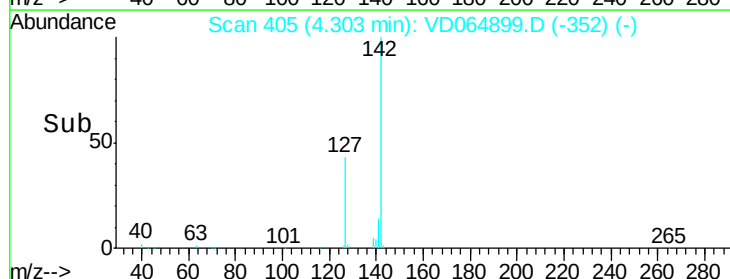
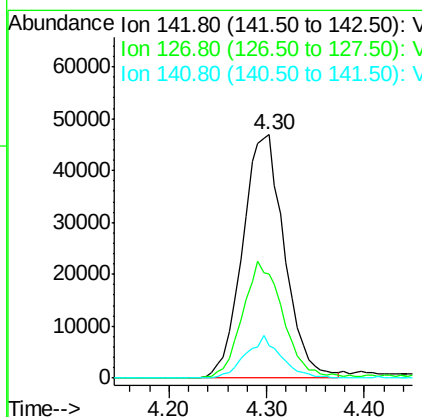
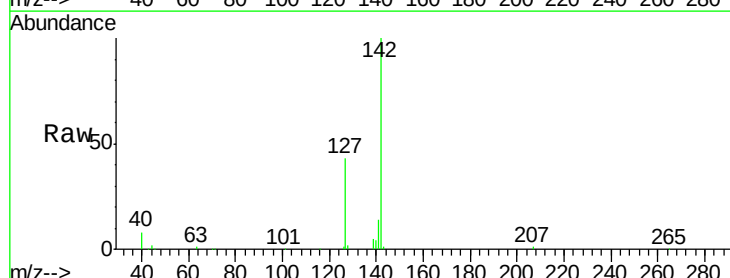
RT: 4.30 min Scan# 405

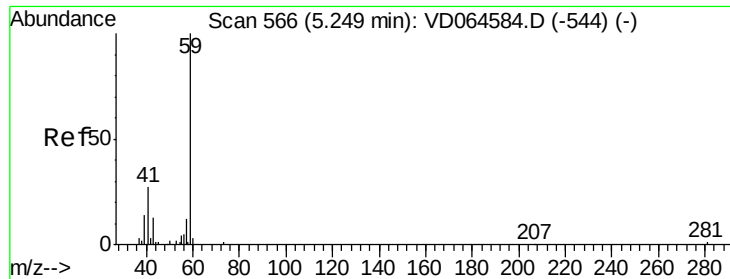
Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Tgt Ion:	142	Resp:	140909
Ion Ratio	Lower	Upper	
142	100		
127	46.7	36.2	54.4
141	14.7	11.8	17.8





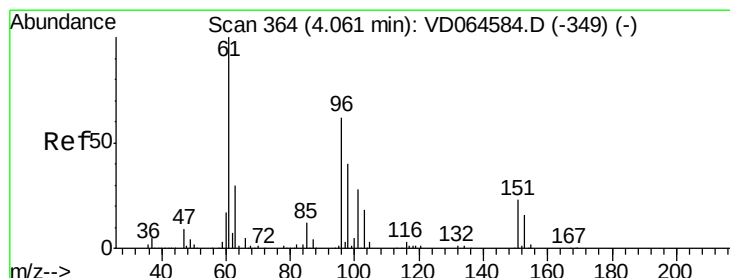
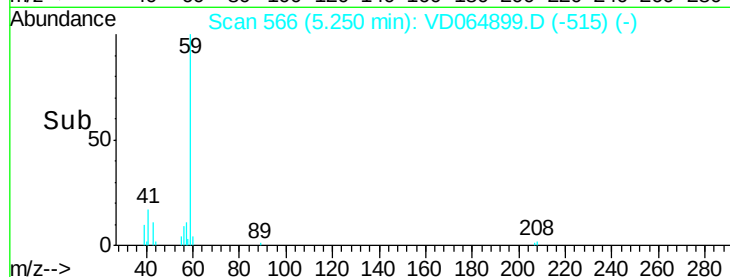
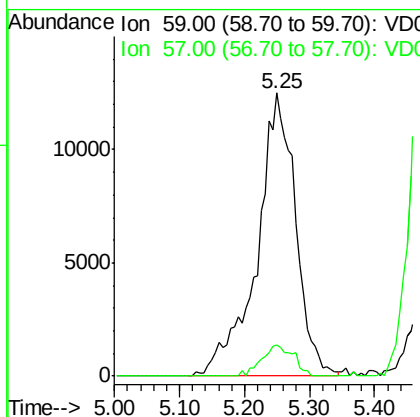
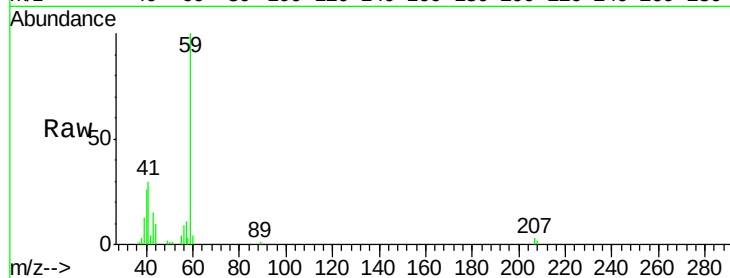
#11
Tert butyl alcohol
Concen: 343.264 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	9.3	13.9#

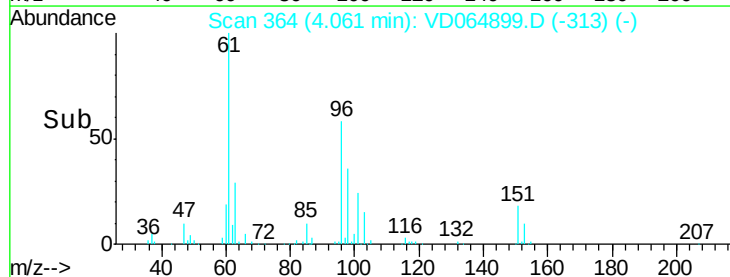
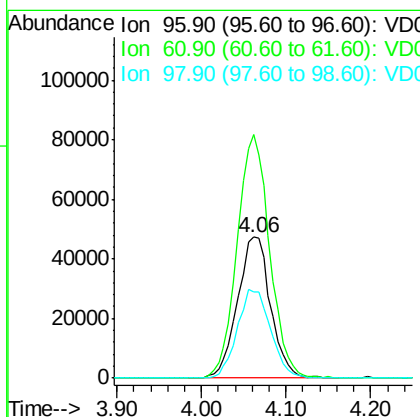
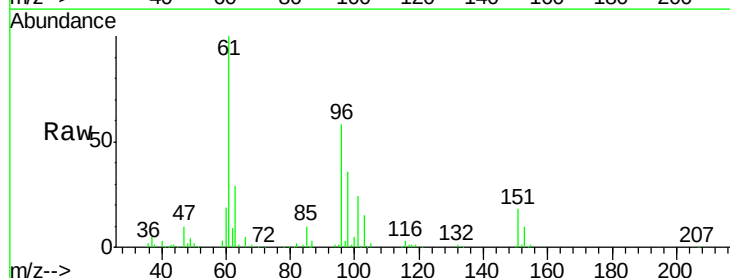
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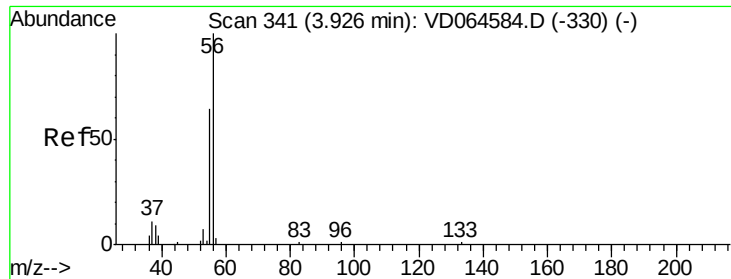
MMDadoda
1/21/2020 9:23:32 AM



#12
1,1-Dichloroethene
Concen: 49.283 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.8	129.4	194.0
98	61.6	51.4	77.0





#13

Acrolein

Concen: 123.910 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 25857

Ion Ratio Lower Upper

56 100

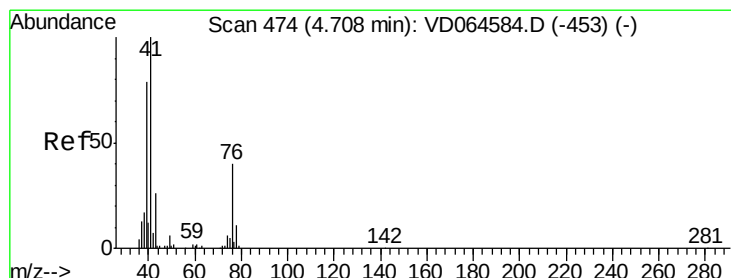
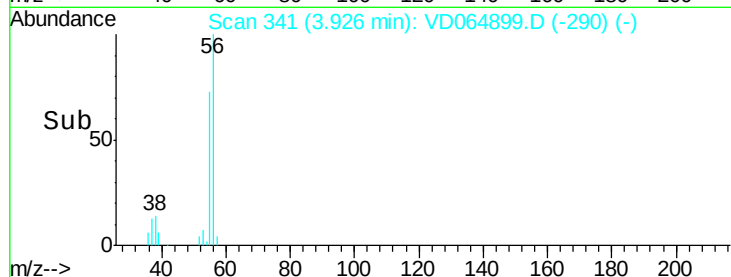
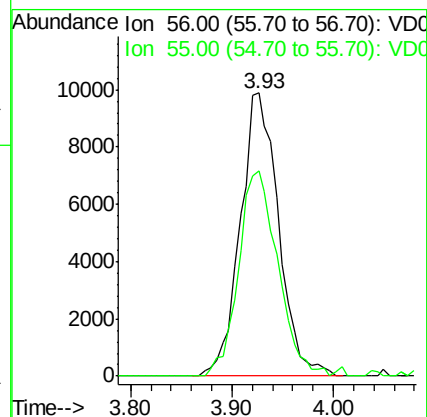
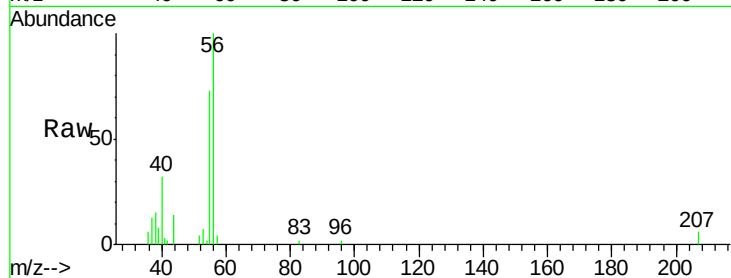
55 74.6 56.7 85.1

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#14

Allyl chloride

Concen: 55.372 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

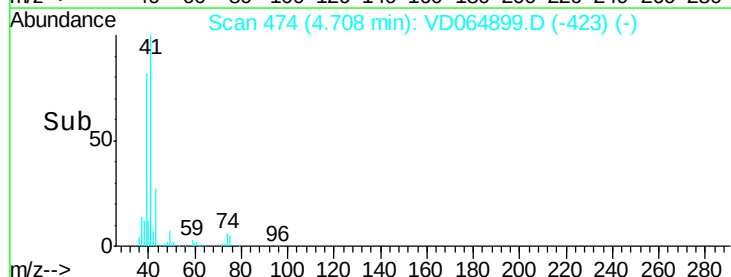
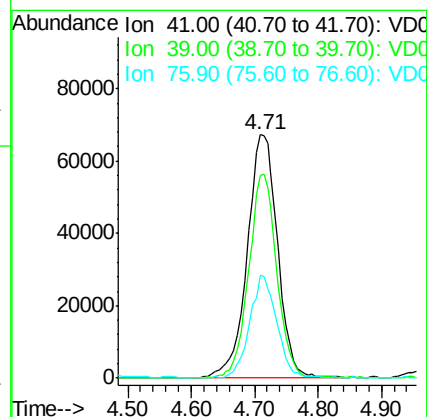
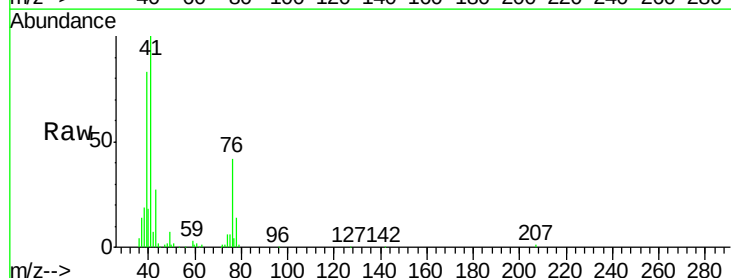
Tgt Ion: 41 Resp: 225046

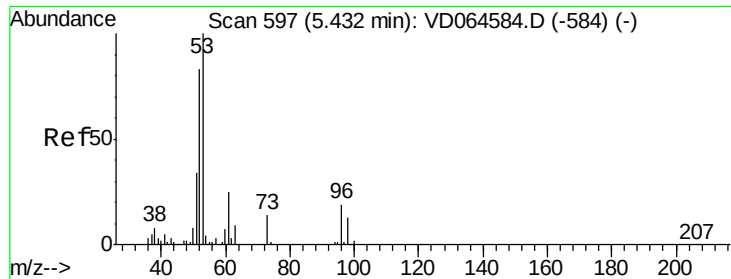
Ion Ratio Lower Upper

41 100

39 77.7 62.3 93.5

76 37.3 29.7 44.5





#15

Acrylonitrile

Concen: 313.167 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

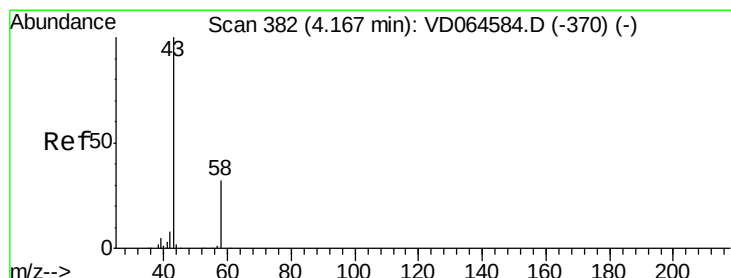
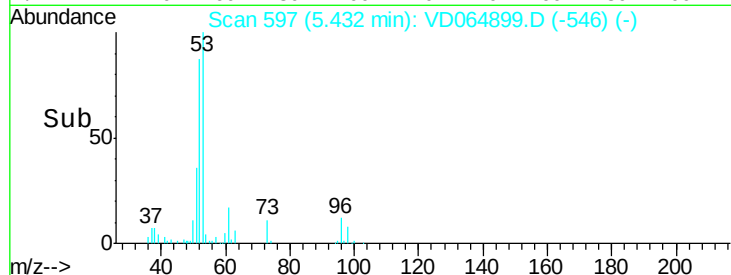
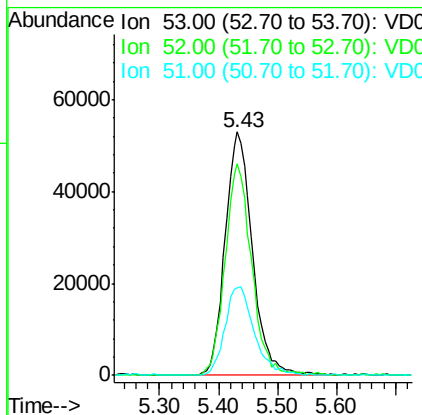
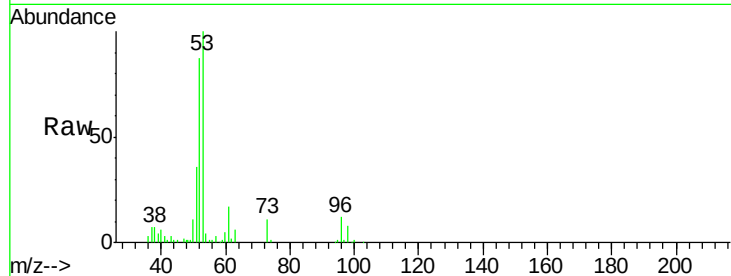
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	171256
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.2	99.2
51	38.8	30.1	45.1

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#16

Acetone

Concen: 243.729 ug/l

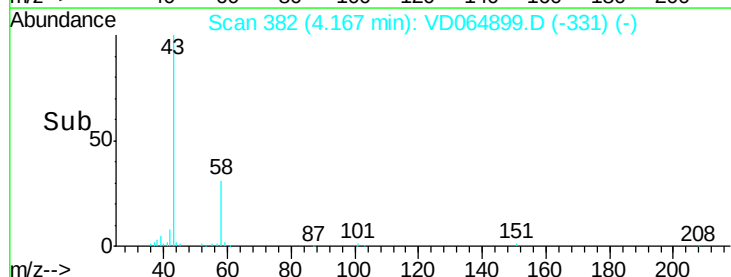
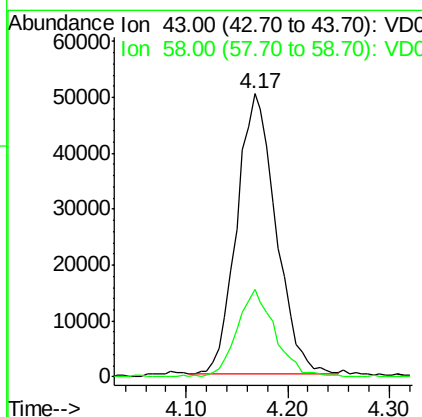
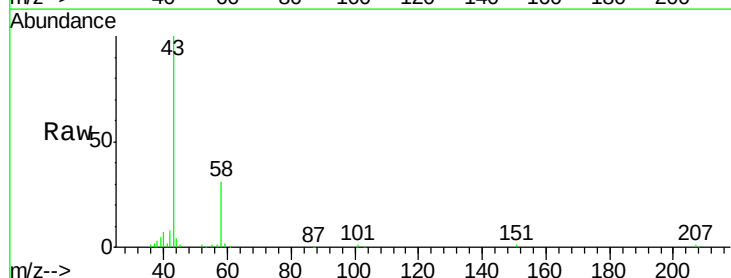
RT: 4.17 min Scan# 382

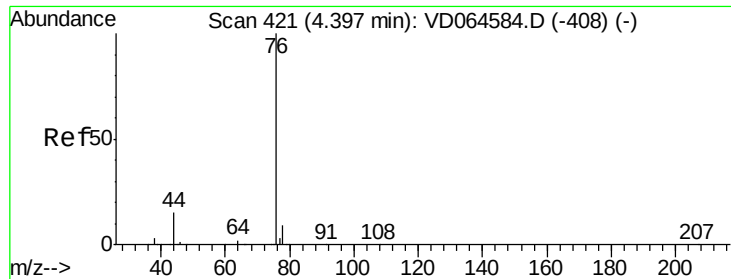
Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Tgt Ion:	43	Resp:	134427
Ion	Ratio	Lower	Upper
43	100		
58	30.9	25.8	38.6





#17

Carbon Disulfide

Concen: 43.927 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 370251

Ion Ratio Lower Upper

76 100

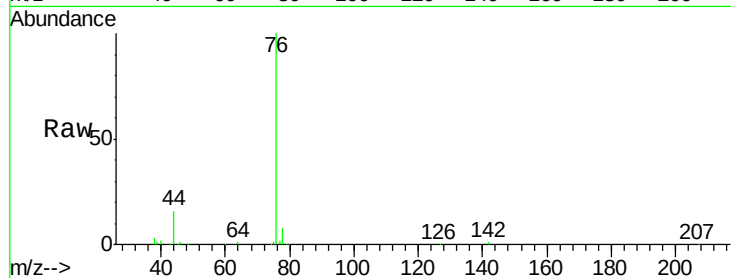
78 8.4 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

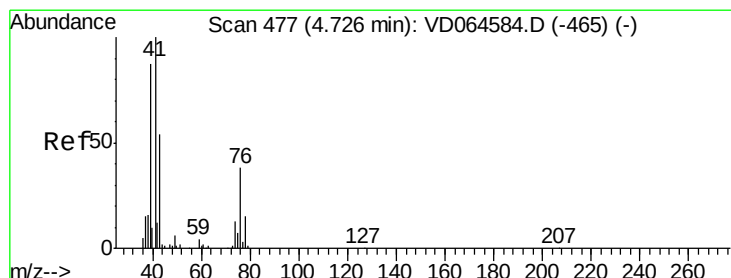
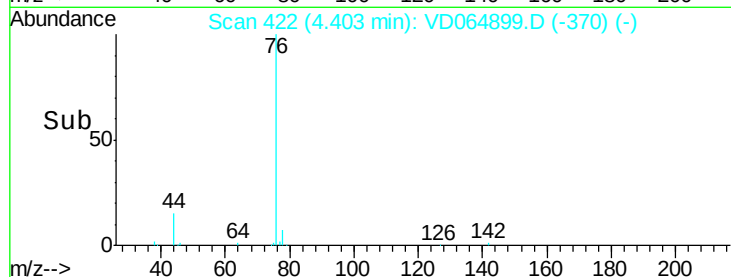
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 60.878 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD064899.D

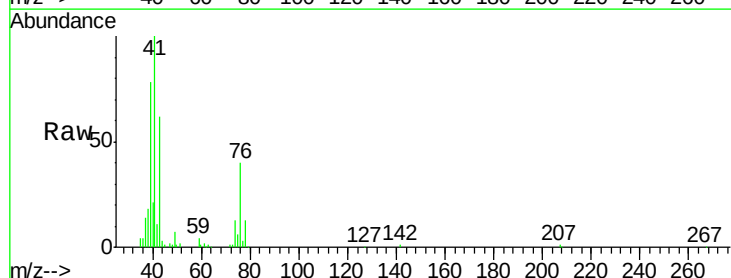
Acq: 20 Jan 2020 19:24

Tgt Ion: 43 Resp: 89546

Ion Ratio Lower Upper

43 100

74 23.2 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

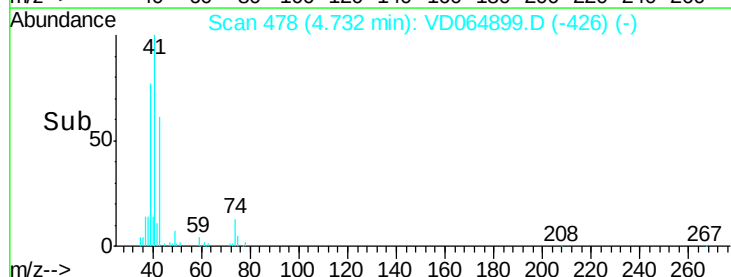
30000

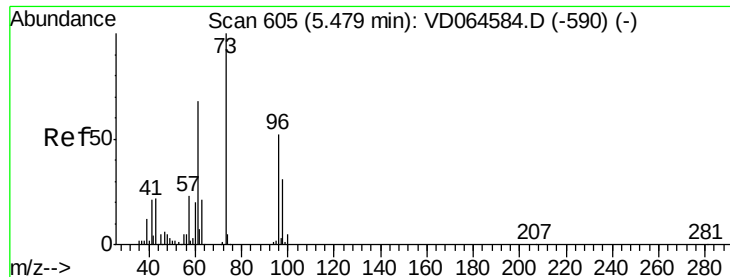
20000

10000

0

Time-->





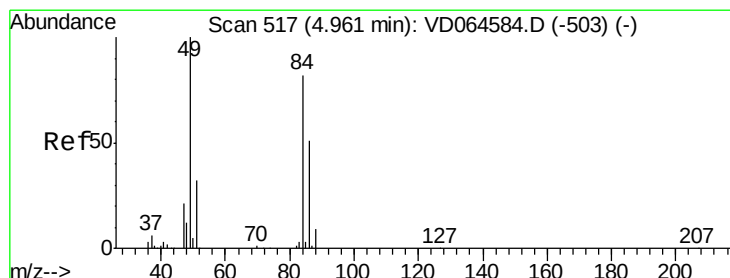
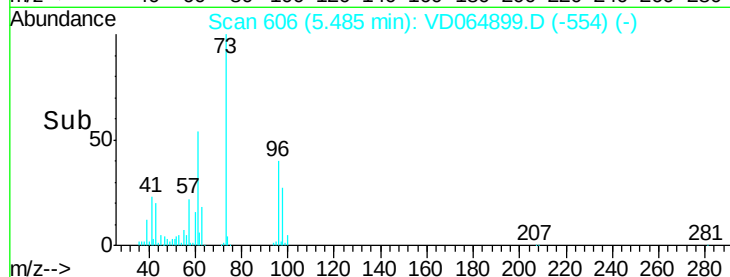
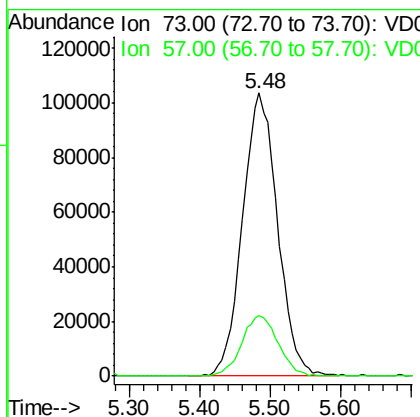
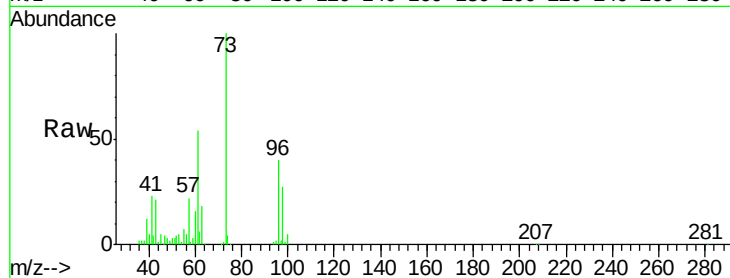
#19
Methyl tert-butyl Ether
Concen: 61.836 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 358027
Ion Ratio Lower Upper
73 100
57 21.6 18.6 27.8

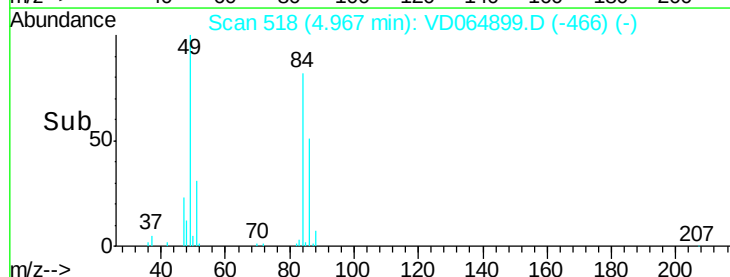
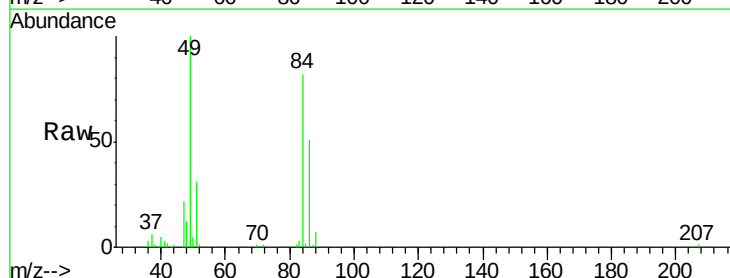
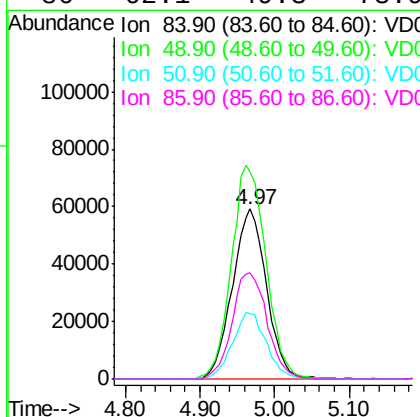
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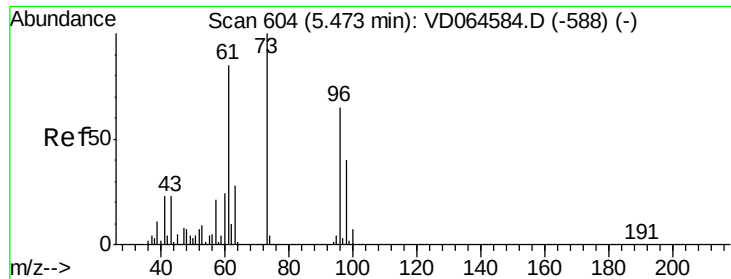
MMDadoda
1/21/2020 9:23:32 AM



#20
Methylene Chloride
Concen: 72.644 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion: 84 Resp: 188193
Ion Ratio Lower Upper
84 100
49 121.9 97.2 145.8
51 38.2 31.4 47.0
86 62.1 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 53.109 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 157663

Ion Ratio Lower Upper

96 100

61 130.4 104.7 157.1

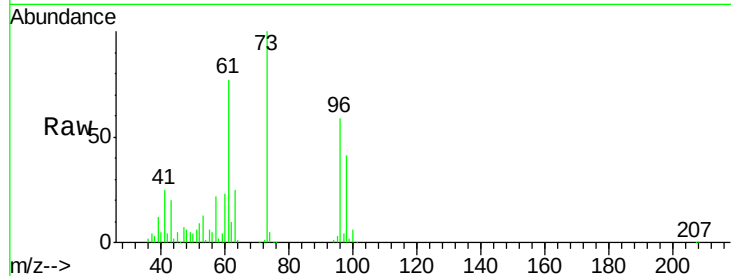
98 69.9 49.4 74.2

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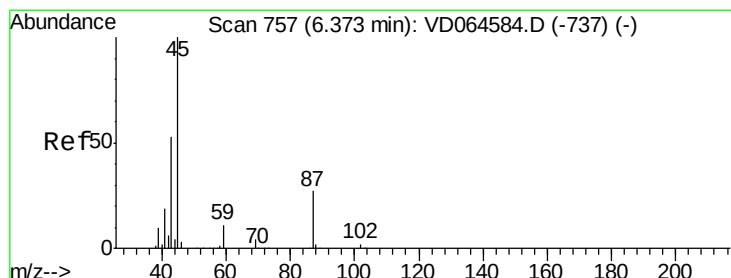
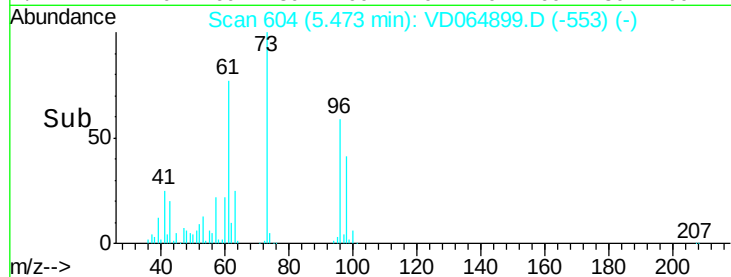
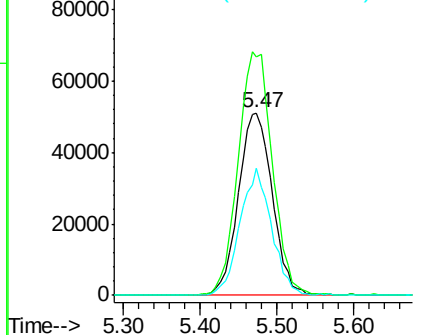
1/21/2020 9:23:32 AM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 63.446 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Tgt Ion: 45 Resp: 514325

Ion Ratio Lower Upper

45 100

43 58.1 43.2 64.8

87 27.8 21.9 32.9

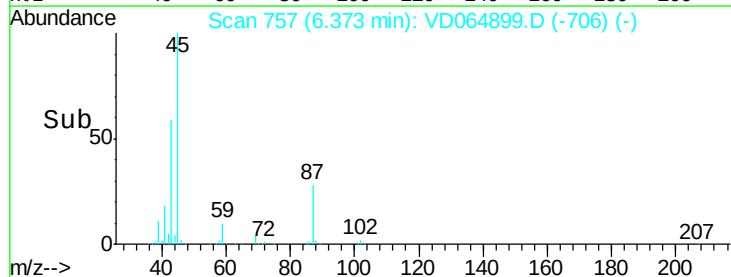
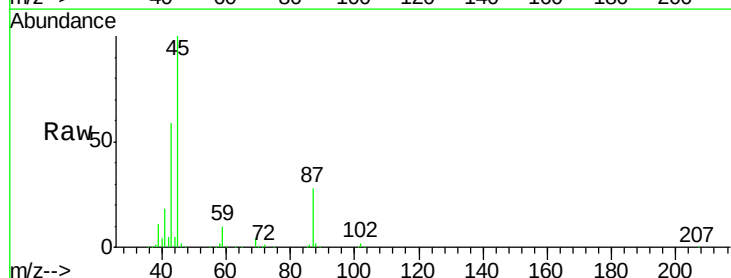
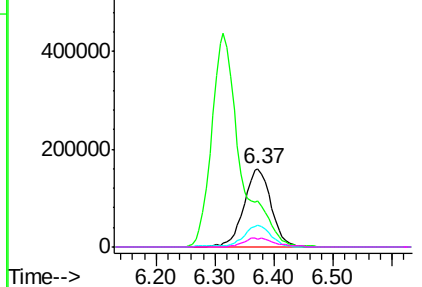
59 10.3 9.0 13.4

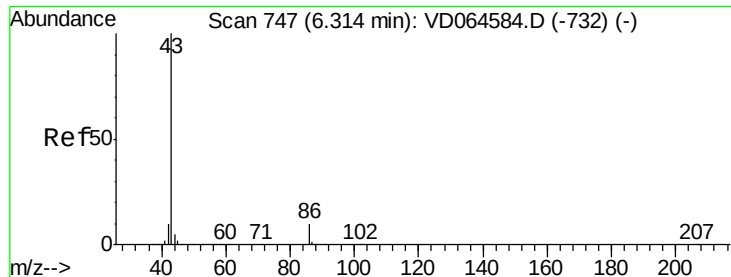
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 319.391 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1468710

Ion Ratio Lower Upper

43 100

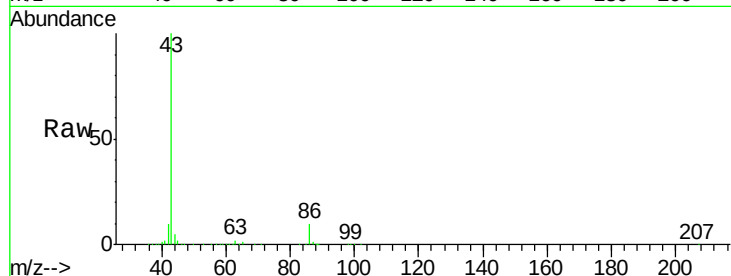
86 10.2 8.3 12.5

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

400000

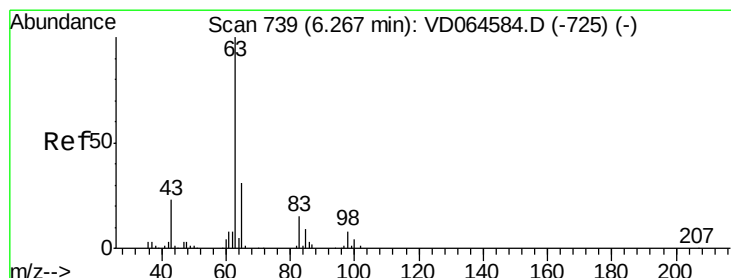
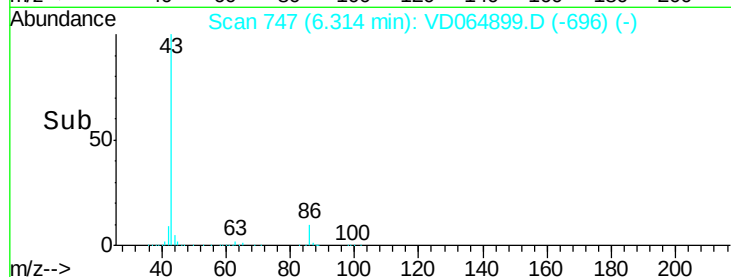
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 60.403 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

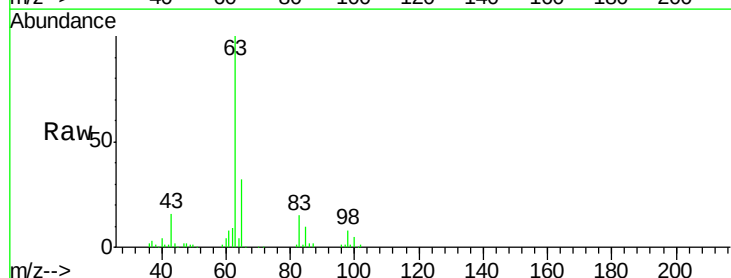
Tgt Ion: 63 Resp: 293953

Ion Ratio Lower Upper

63 100

98 8.4 4.1 12.3

100 5.1 2.2 6.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

120000

100000

80000

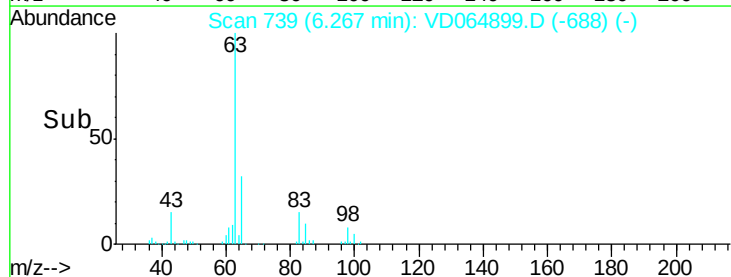
60000

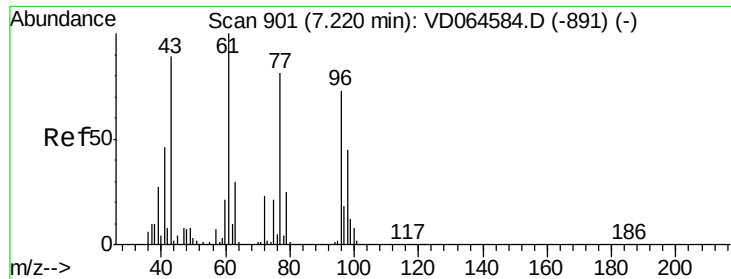
40000

20000

0

Time-->





#25

2-Butanone

Concen: 298.390 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 214292

Ion Ratio Lower Upper

43 100

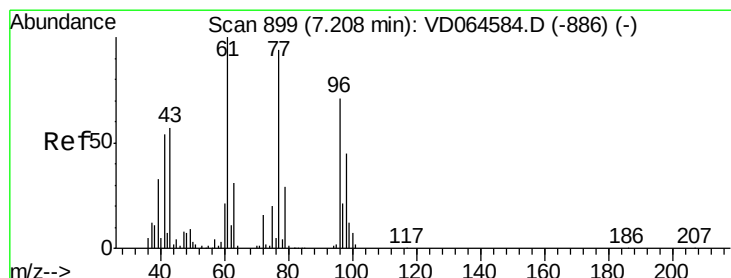
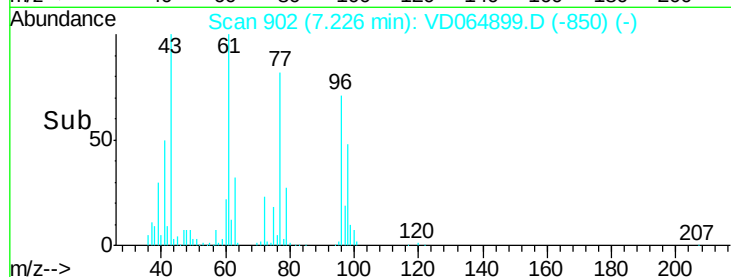
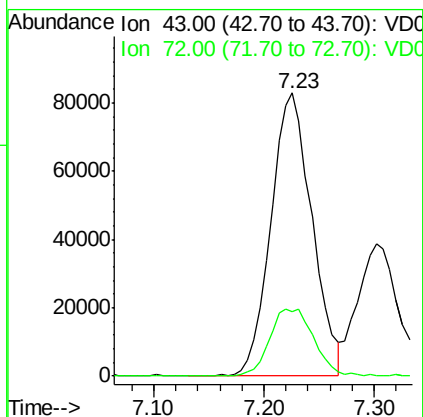
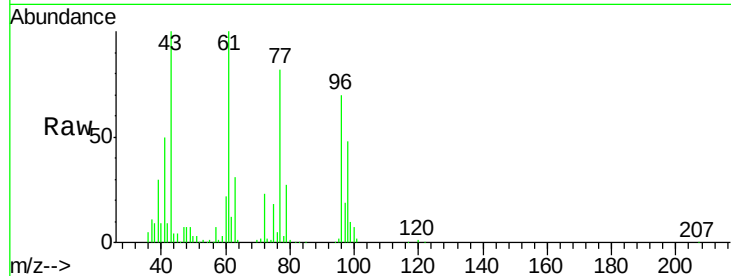
72 22.7 20.7 31.1

Manual Integrations

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MMDadoda

1/21/2020 9:23:32 AM



#26

2,2-Dichloropropane

Concen: 55.478 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064899.D

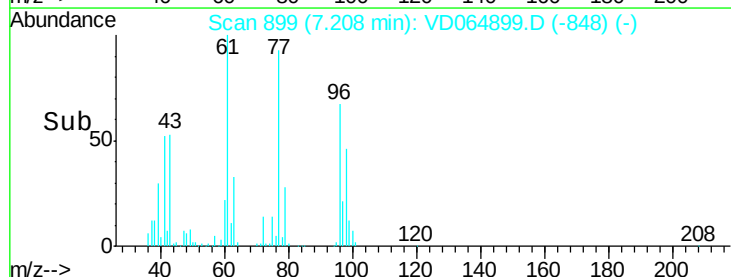
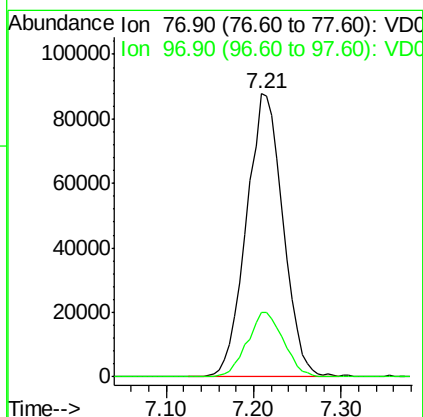
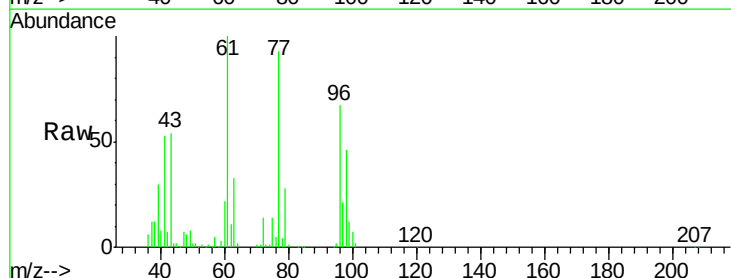
Acq: 20 Jan 2020 19:24

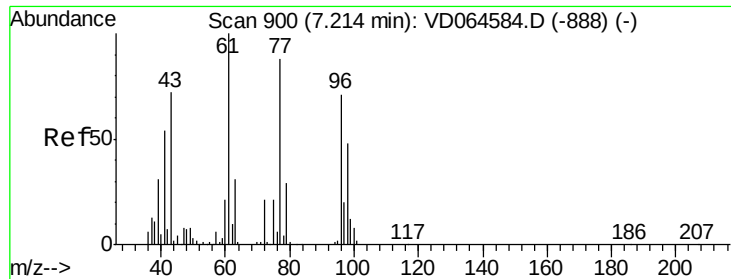
Tgt Ion: 77 Resp: 251020

Ion Ratio Lower Upper

77 100

97 22.6 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 57.708 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

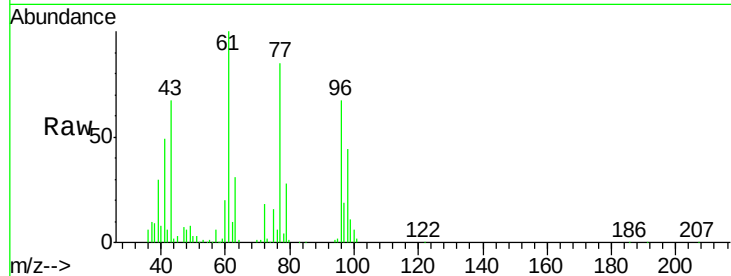
ClientSampleId :

VSTDCCC050EC

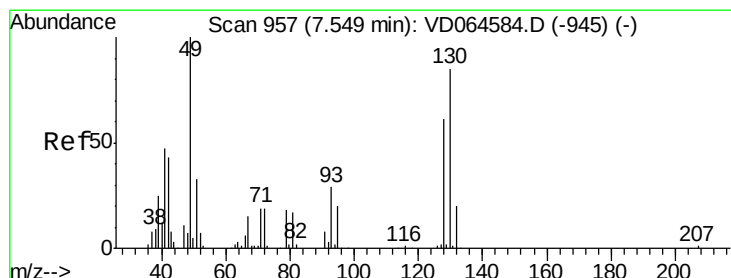
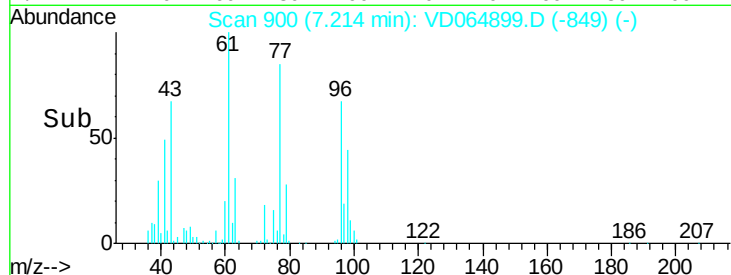
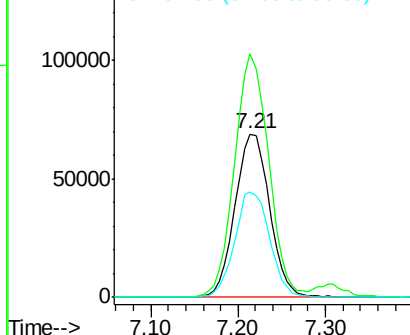
Tot Ion:	96	Resp:	184889
Ion	Ratio	Lower	Upper
96	100		
61	147.2	0.0	282.6
98	65.6	0.0	130.8

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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 63.345 ug/l

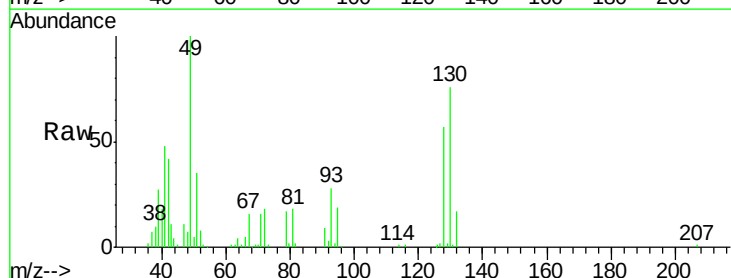
RT: 7.55 min Scan# 957

Delta R.T. 0.00 min

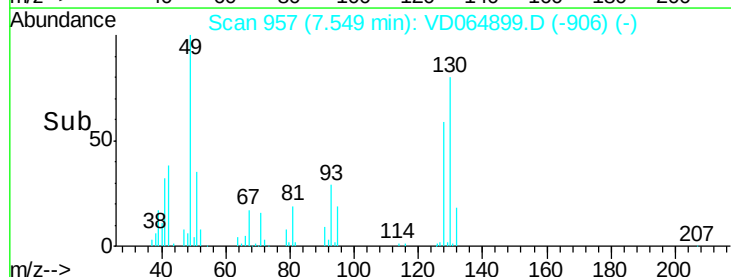
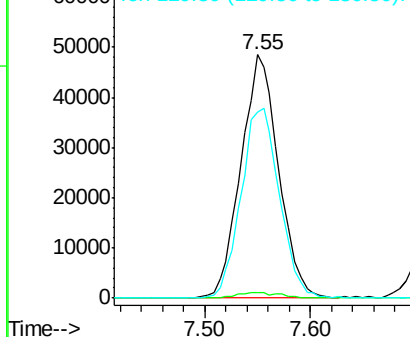
Lab File: VD064899.D

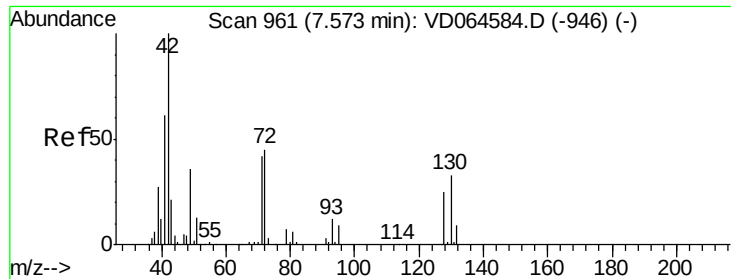
Acq: 20 Jan 2020 19:24

Tgt Ion:	49	Resp:	119835
Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.8
130	79.8	65.0	97.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





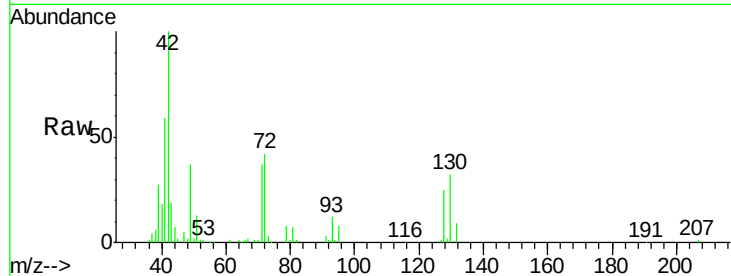
#29
Tetrahydrofuran
Concen: 314.698 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

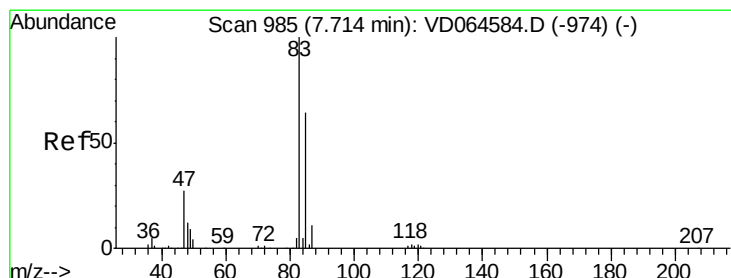
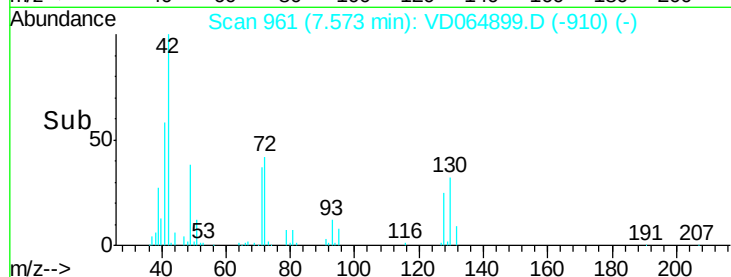
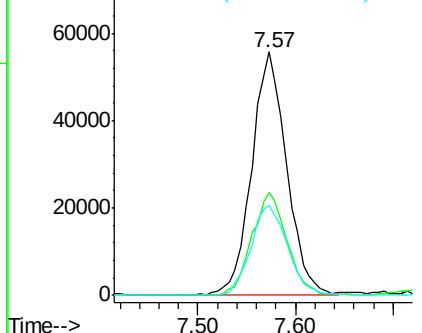
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	35.0	52.4
71	39.0	32.9	49.3

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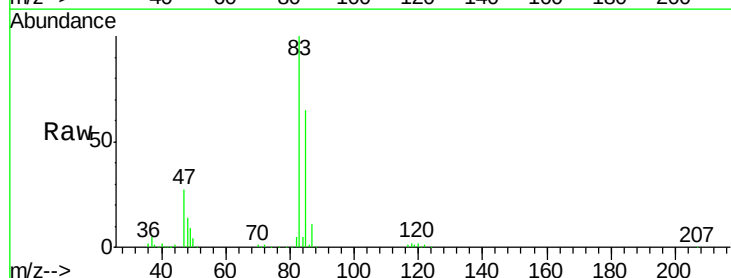


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

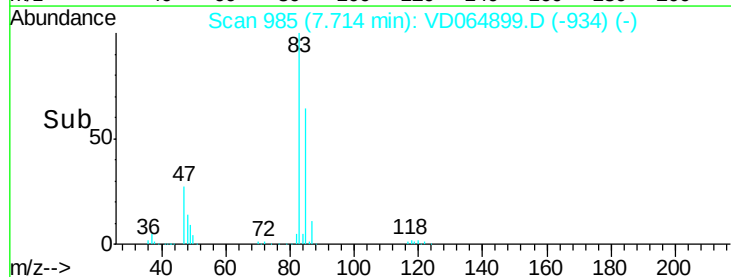
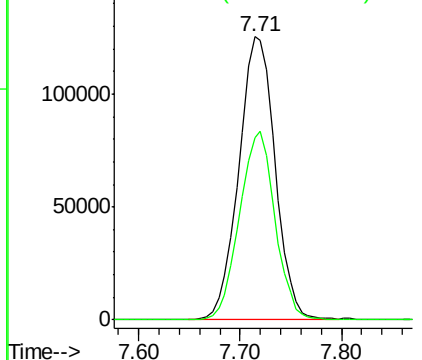


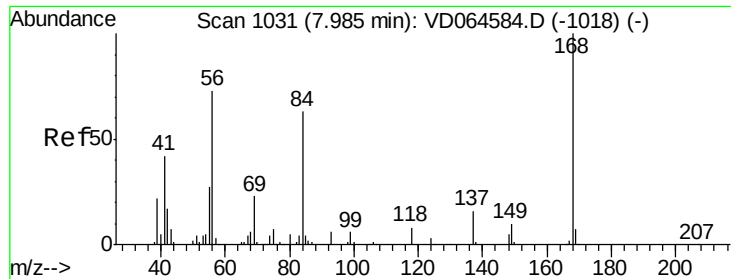
#30
Chloroform
Concen: 61.126 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.1	76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





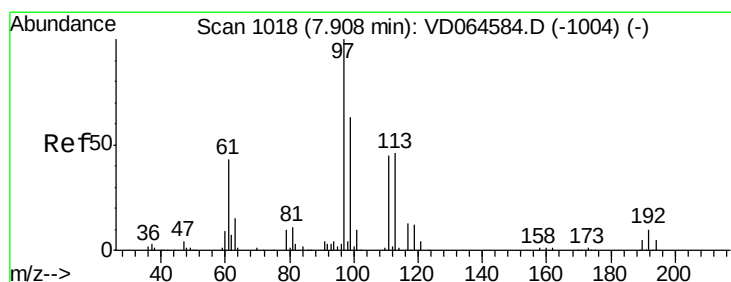
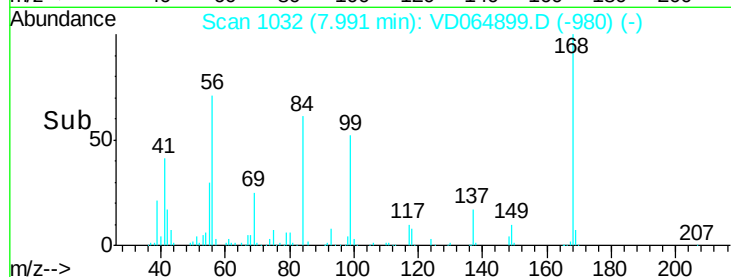
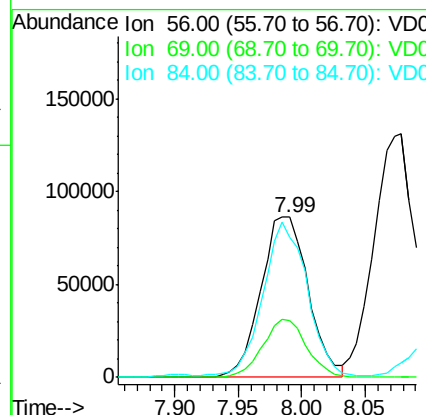
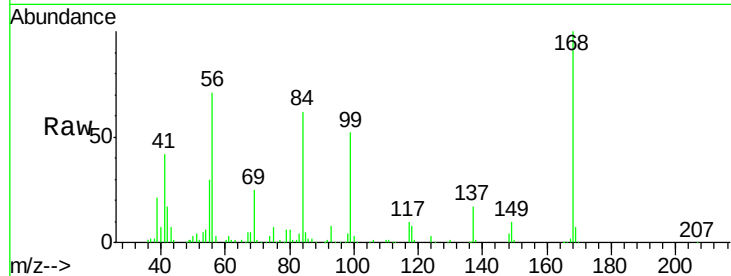
#31
Cyclohexane
Concen: 46.260 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.8	24.7	37.1
84	86.1	69.4	104.2

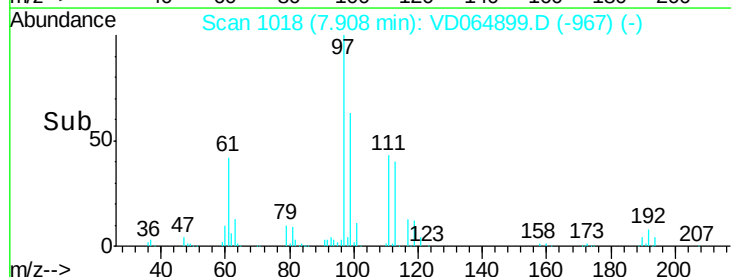
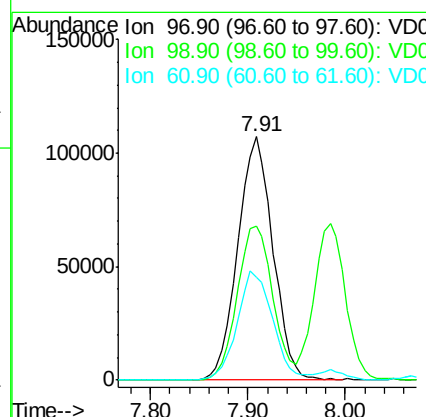
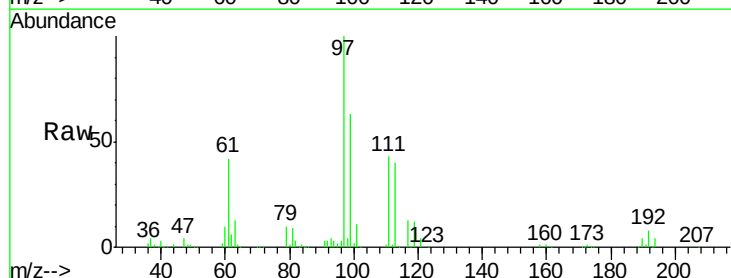
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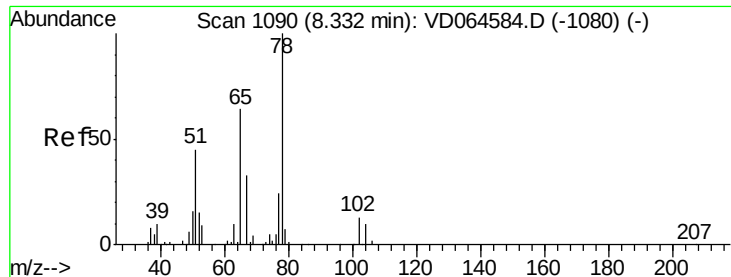
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#32
1,1,1-Trichloroethane
Concen: 55.851 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.0	76.6
61	45.7	35.4	53.0





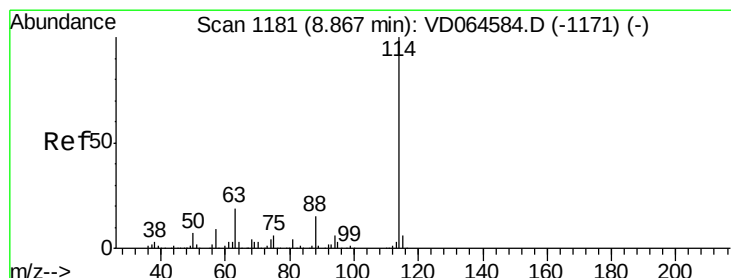
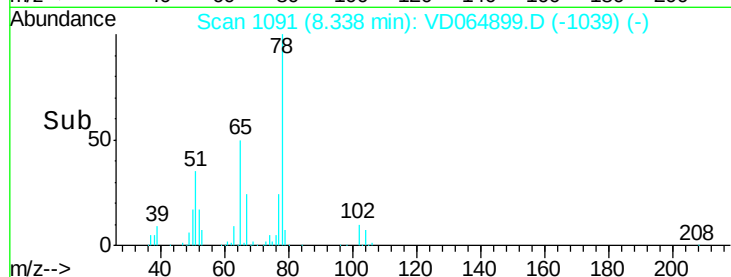
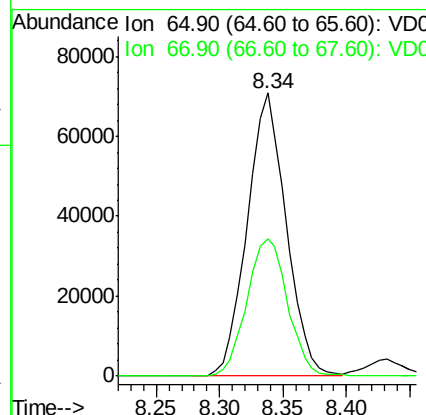
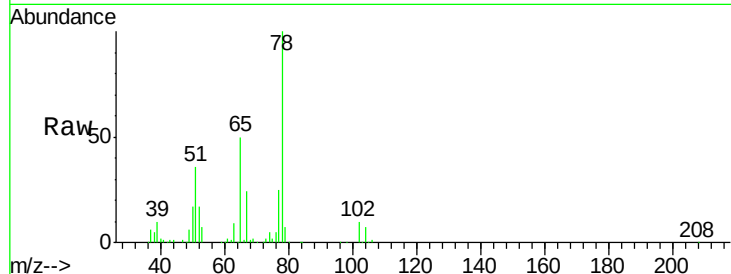
#33
 1,2-Dichloroethane-d4
 Concen: 58.082 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.6		0.0	106.2

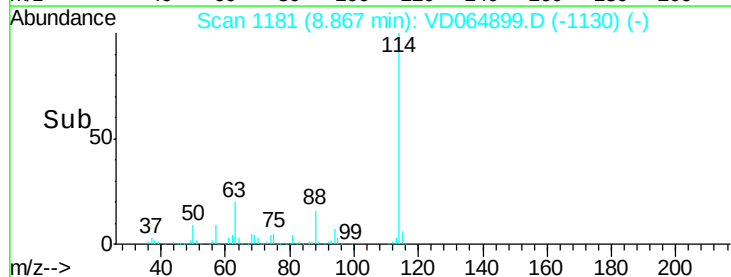
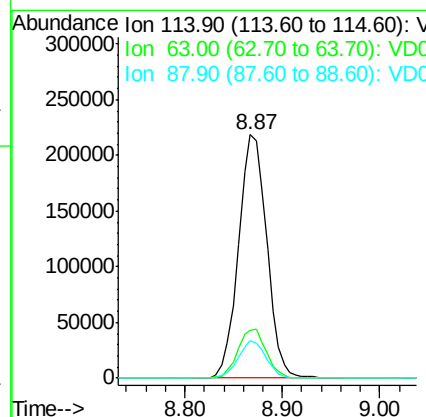
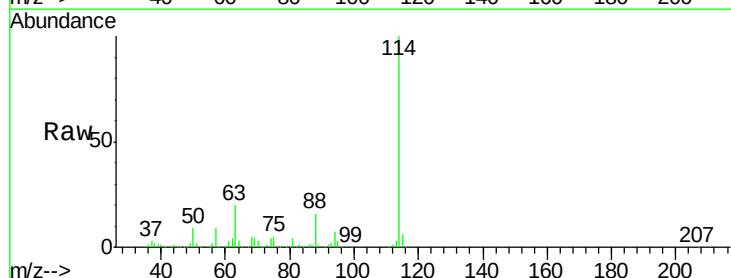
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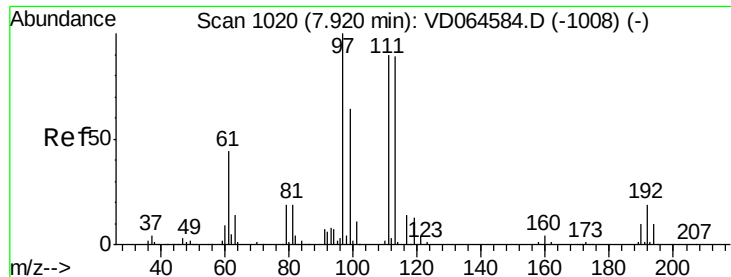
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 1/21/2020 9:23:32 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7		0.0	38.0
88	15.7		0.0	29.2





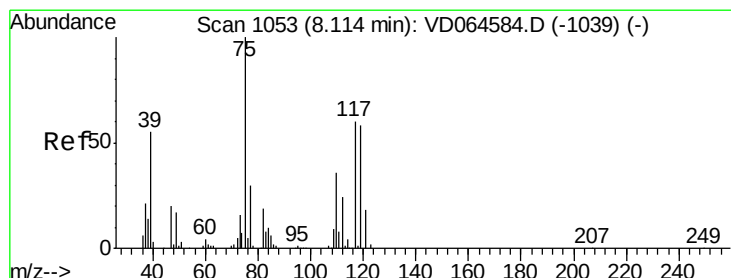
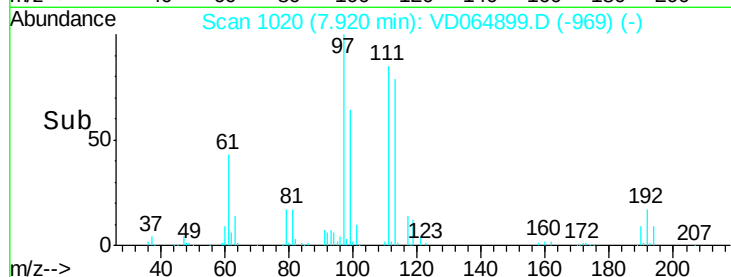
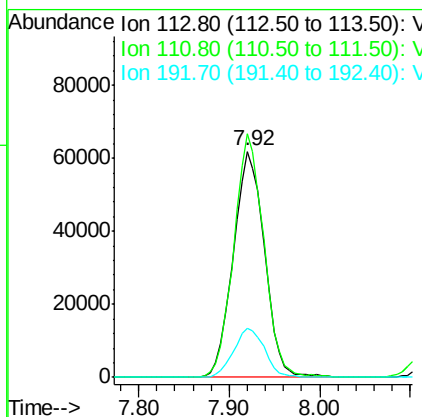
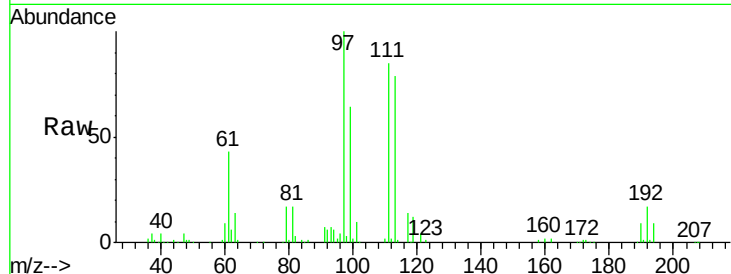
#35
 Dibromofluoromethane
 Concen: 54.688 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	148285		
111	103.9	80.6	121.0	
192	21.6	17.9	26.9	

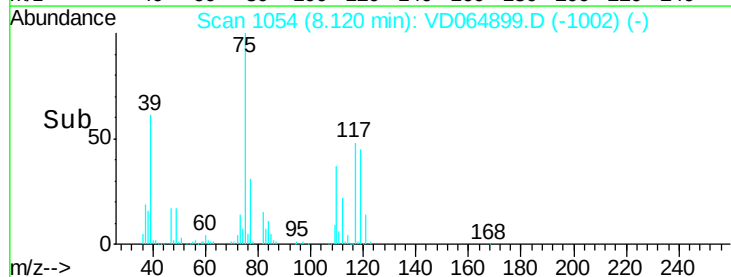
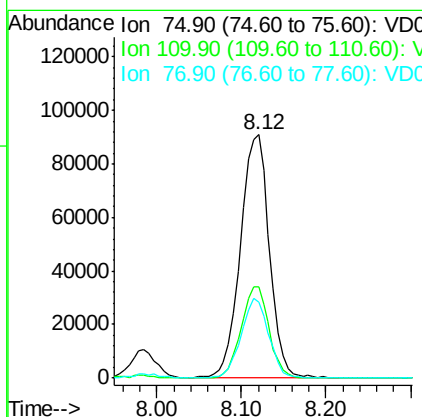
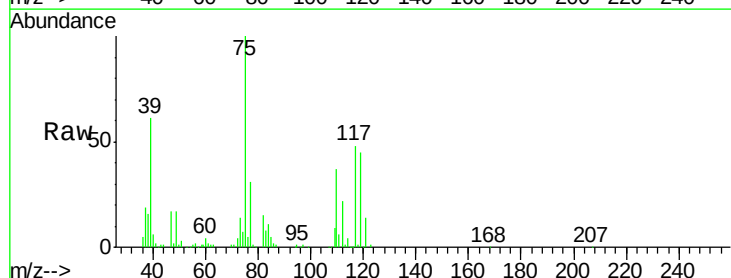
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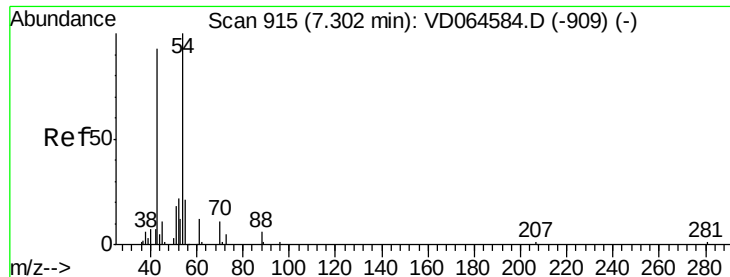
MMDadoda
 1/21/2020 9:23:32 AM



#36
 1,1-Dichloropropene
 Concen: 51.030 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	217072		
110	36.1	18.1	54.1	
77	31.2	24.2	36.4	





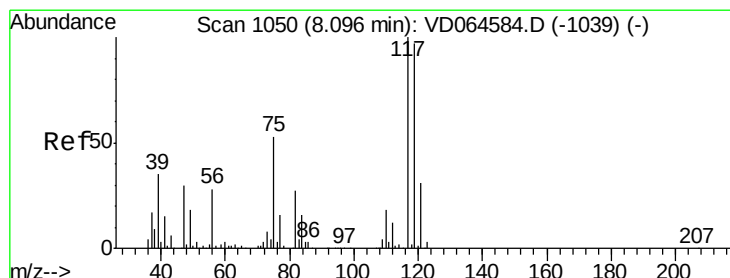
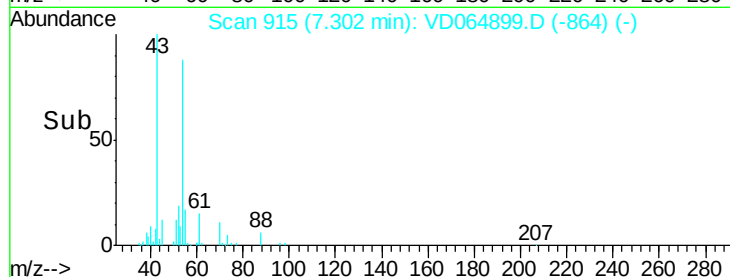
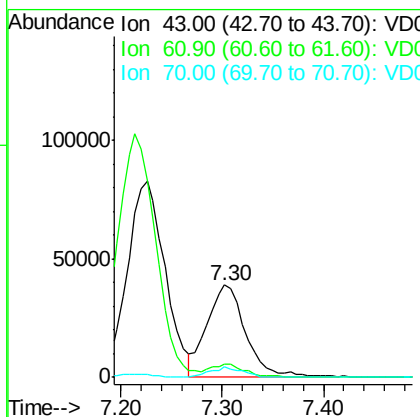
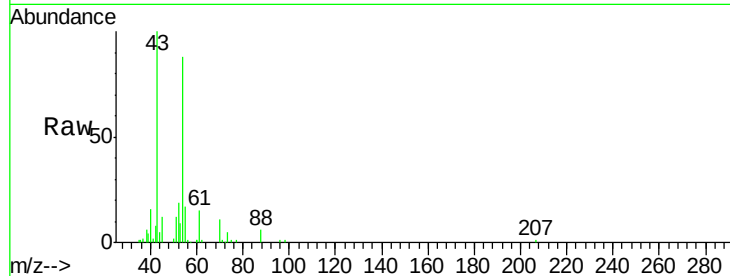
#37
Ethyl Acetate
Concen: 61.204 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	10.3	15.5
70	9.1	7.6	11.4

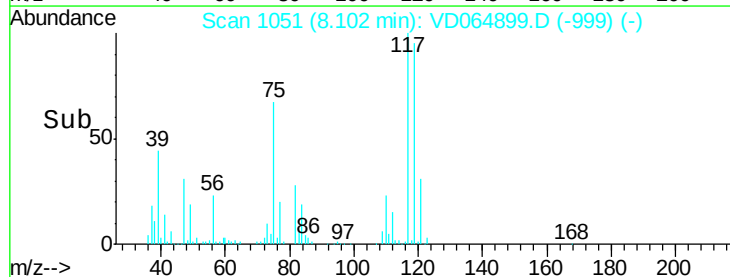
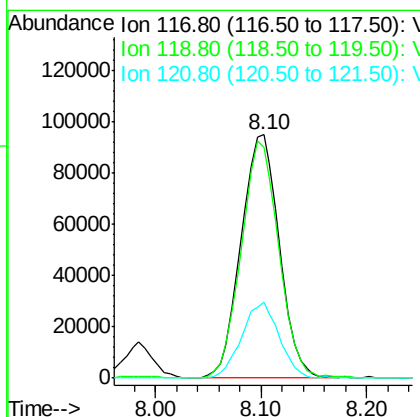
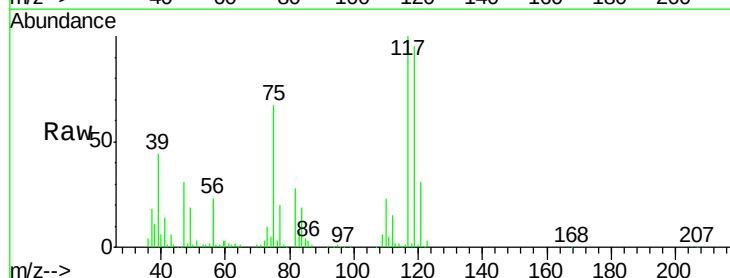
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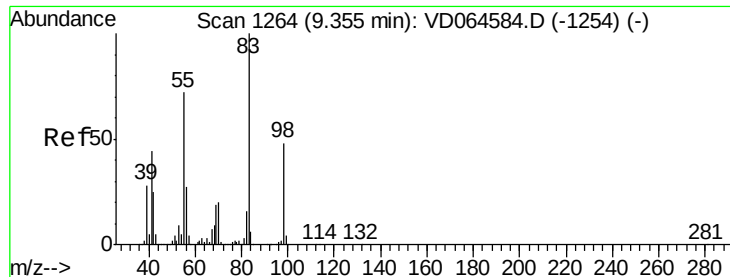
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#38
Carbon Tetrachloride
Concen: 52.574 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.3	115.9
121	31.1	25.0	37.6





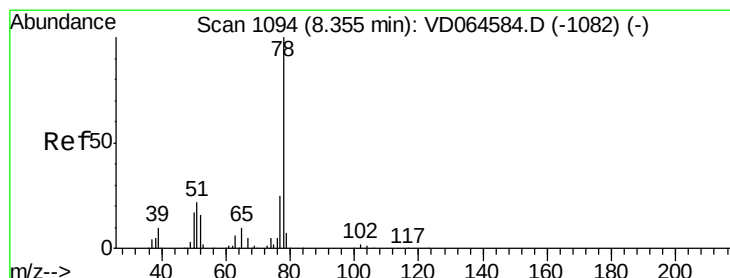
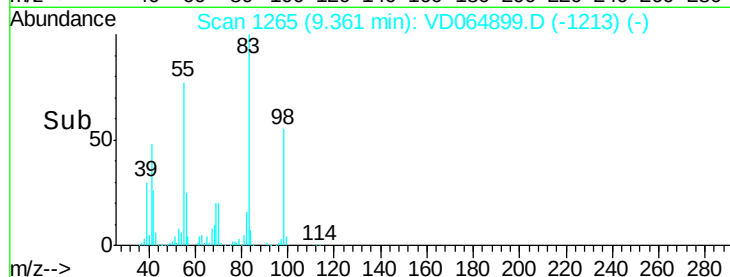
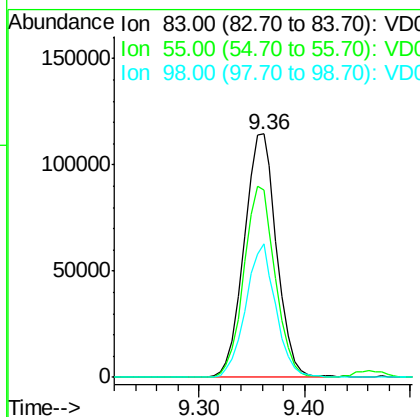
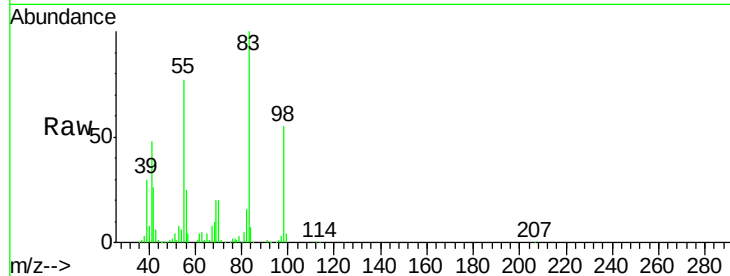
#39
Methylvlcyclohexane
Concen: 47.381 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.2	57.8	86.6
98	54.8	38.7	58.1

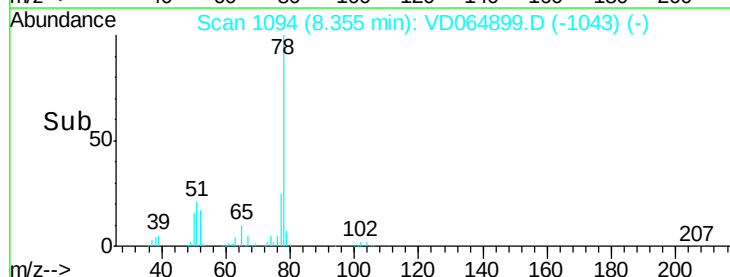
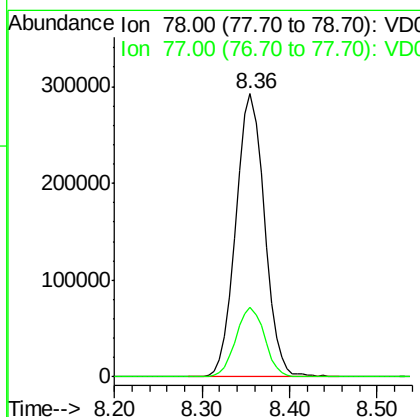
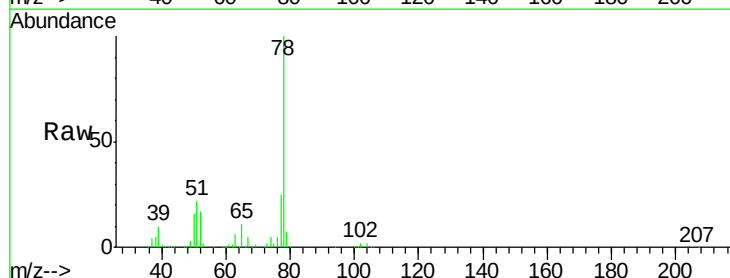
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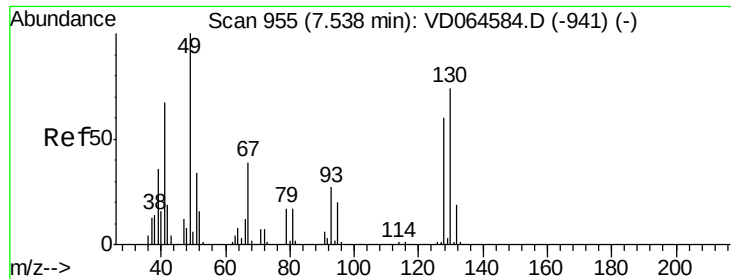
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1/21/2020 9:23:32 AM



#40
Benzene
Concen: 55.899 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.9	29.9





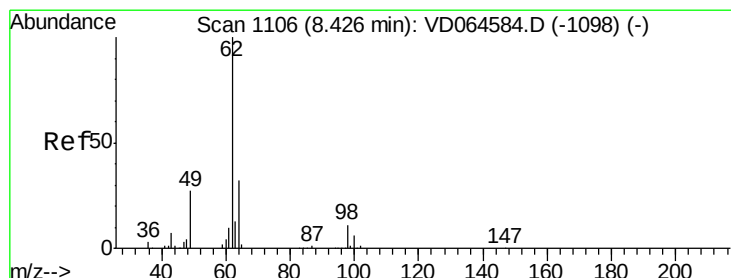
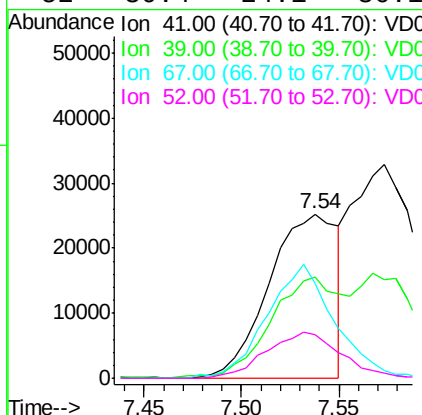
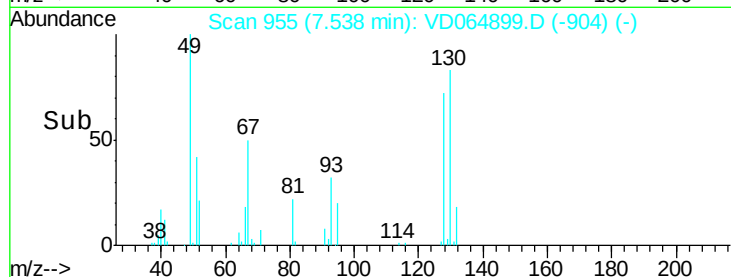
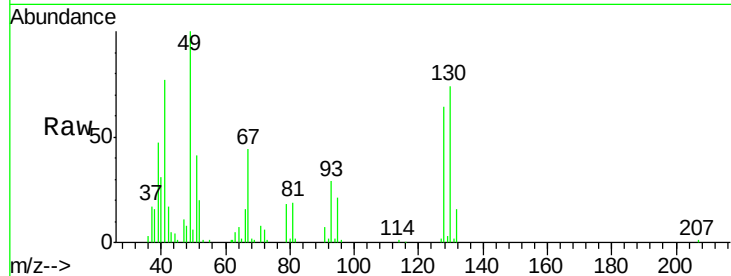
#41
Methacrylonitrile
Concen: 63.732 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	61793
Ion	Ratio	Lower	Upper
41	100		
39	65.8	46.7	70.1
67	68.3	52.5	78.7
52	30.4	24.1	36.1

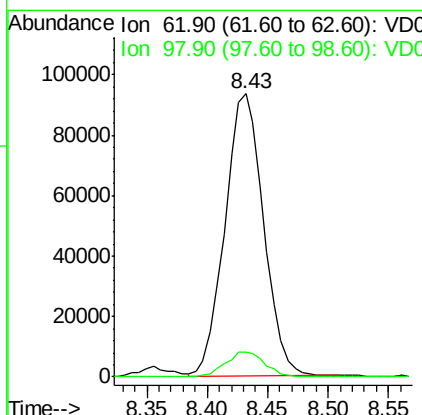
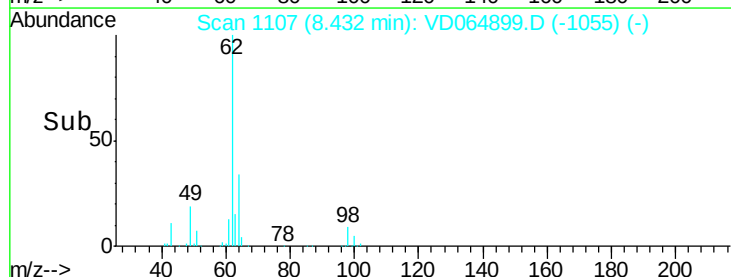
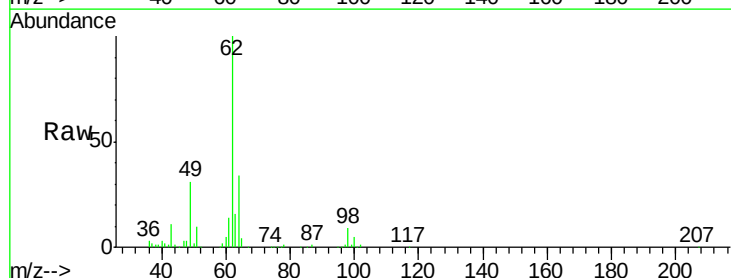
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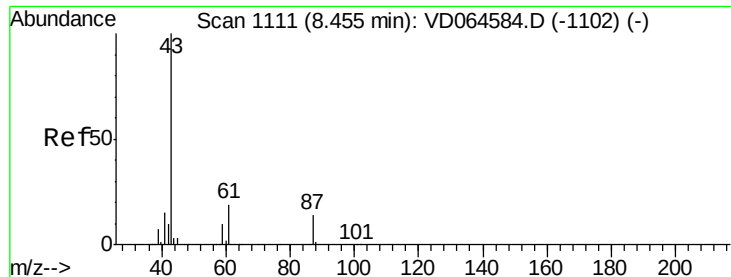
MMDadoda
1/21/2020 9:23:32 AM



#42
1,2-Dichloroethane
Concen: 61.855 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion	62	Resp	207568
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	20.0





#43

Isopropyl Acetate

Concen: 59.923 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

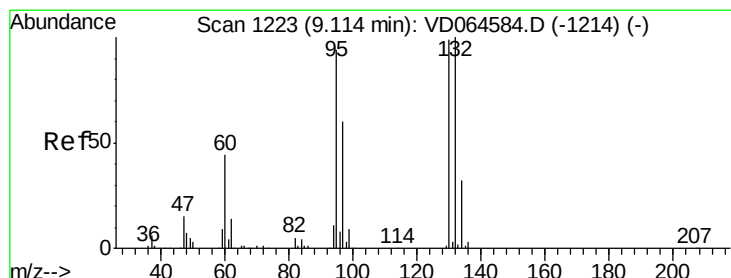
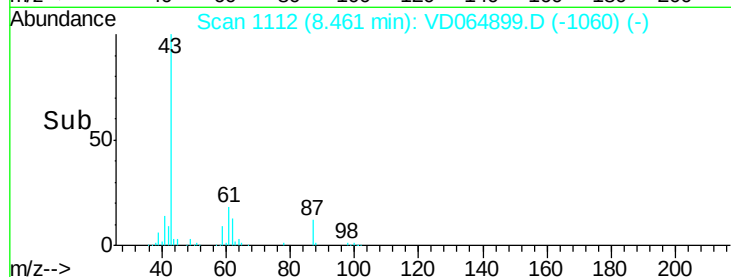
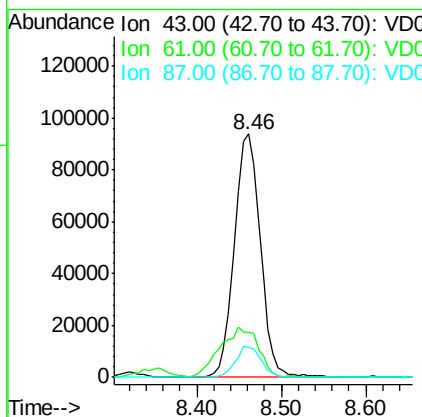
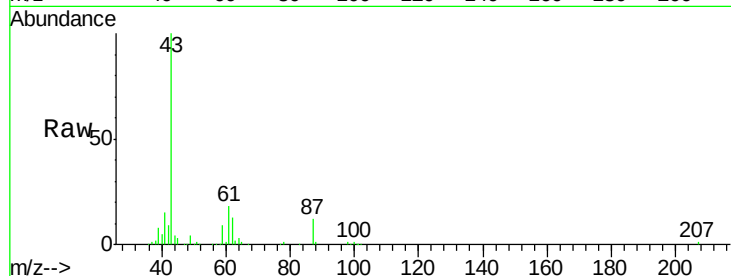
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	199317
Ion	Ratio	Lower	Upper
43	100		
61	30.1	23.7	35.5
87	12.6	10.5	15.7

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#44

Trichloroethene

Concen: 52.772 ug/l

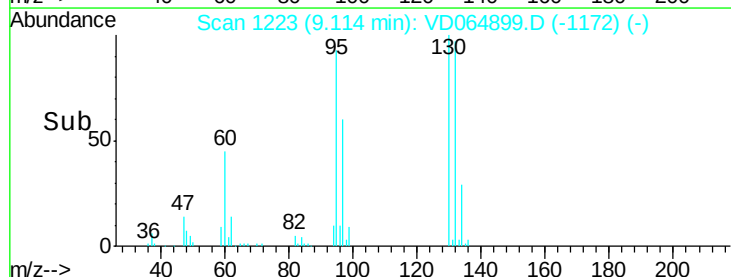
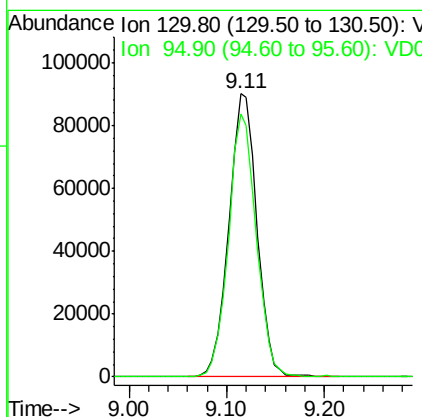
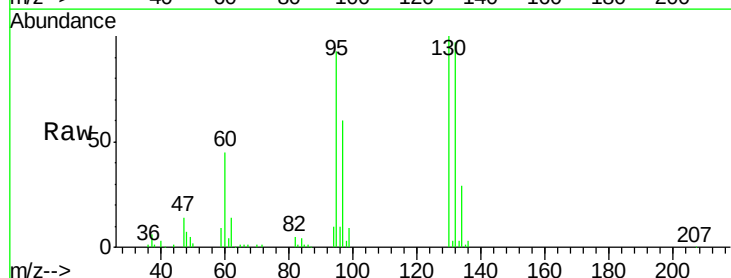
RT: 9.11 min Scan# 1223

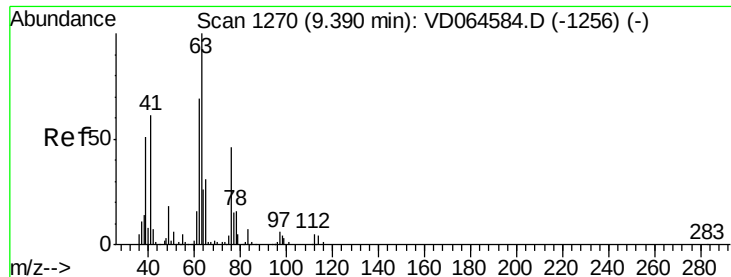
Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Tgt Ion:	130	Resp:	180026
Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	190.2





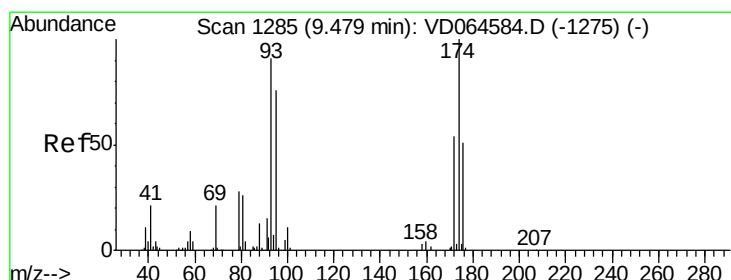
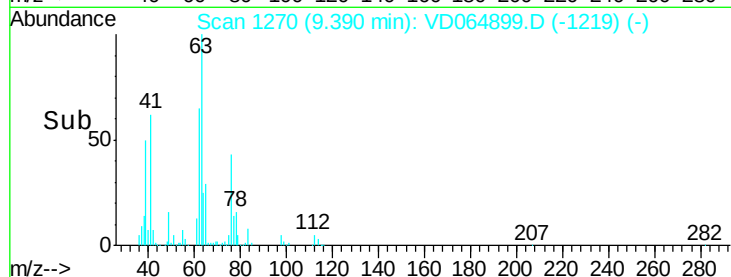
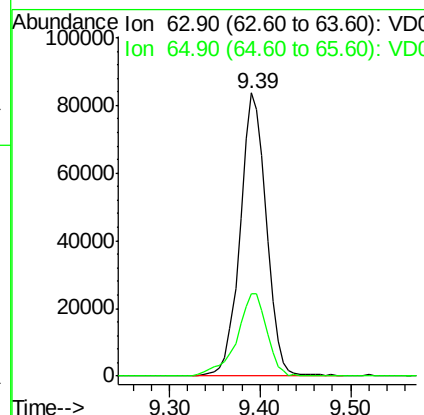
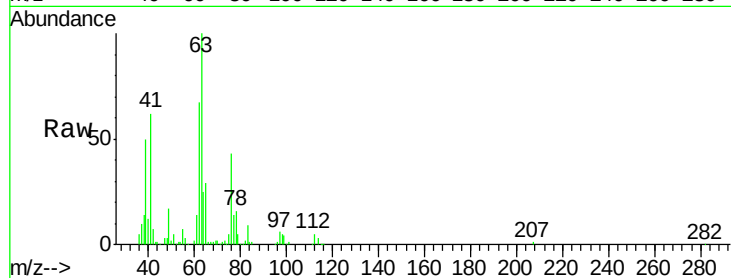
#45
 1,2-Dichloropropane
 Concen: 60.753 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	28.9	25.2	37.8

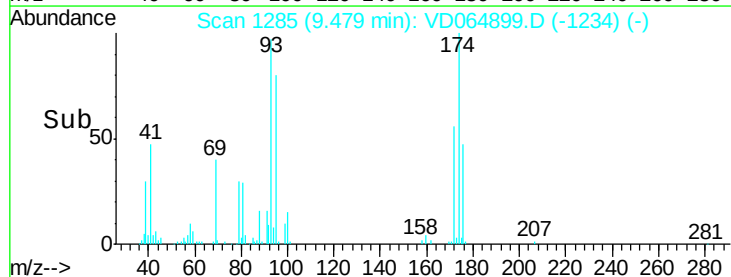
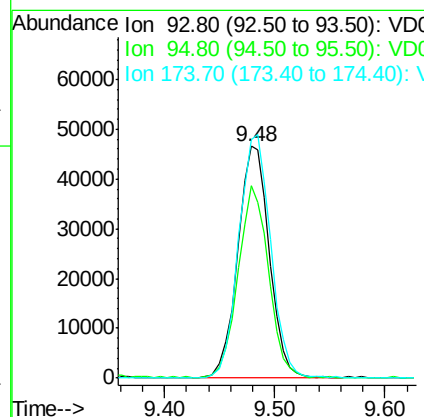
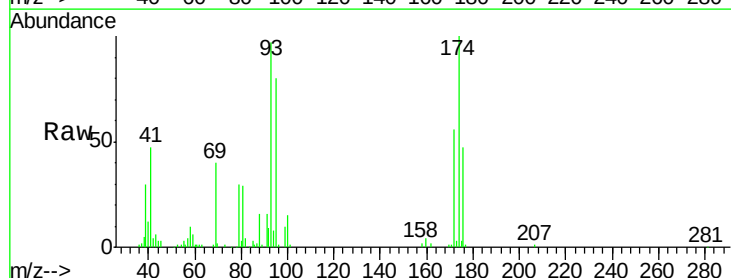
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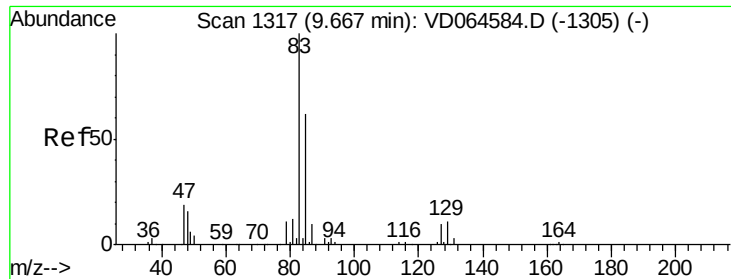
MMDadoda
 1/21/2020 9:23:32 AM



#46
 Dibromomethane
 Concen: 60.711 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.2	64.6	97.0
174	106.1	88.1	132.1





#47

Bromodichloromethane

Concen: 60.519 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

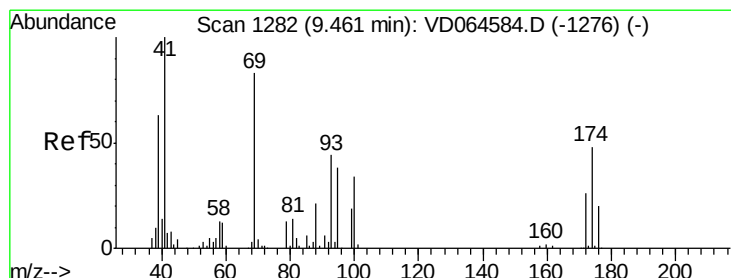
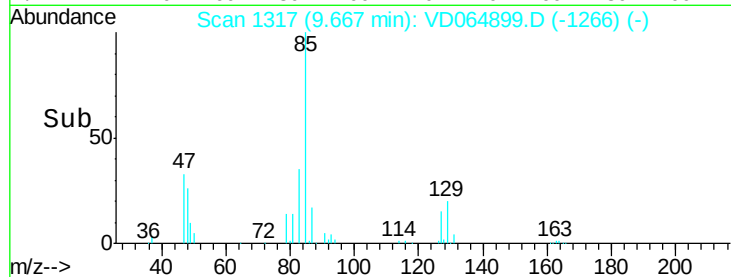
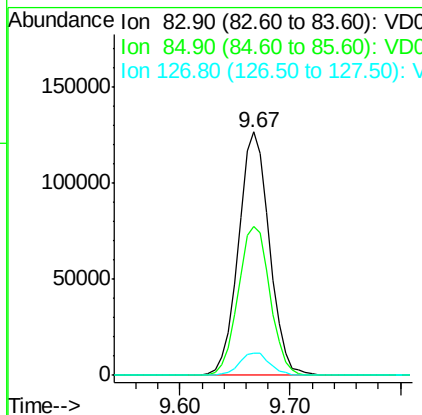
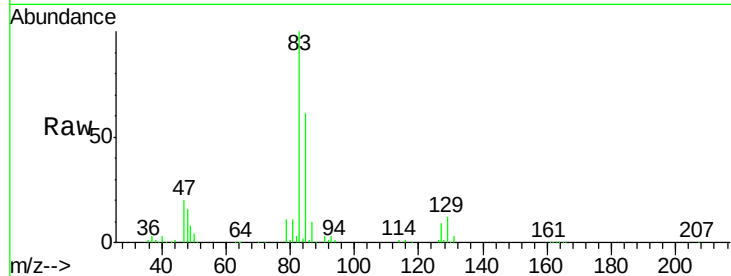
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	248937
Ion	Ratio	Lower	Upper
83	100		
85	61.1	49.5	74.3
127	9.2	7.8	11.6

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#48

Methyl methacrylate

Concen: 58.289 ug/l

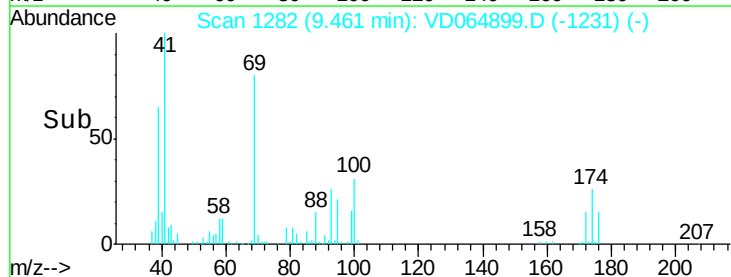
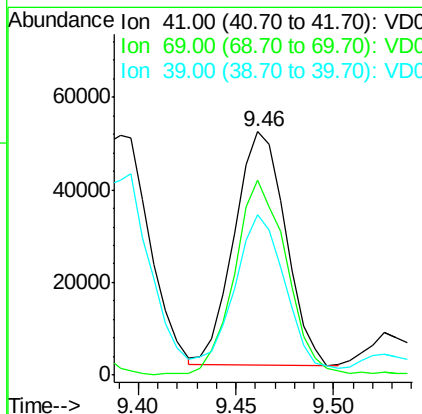
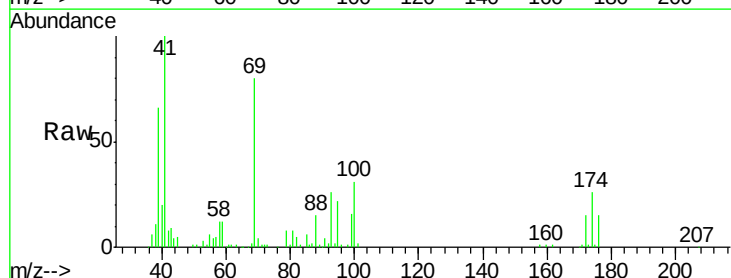
RT: 9.46 min Scan# 1282

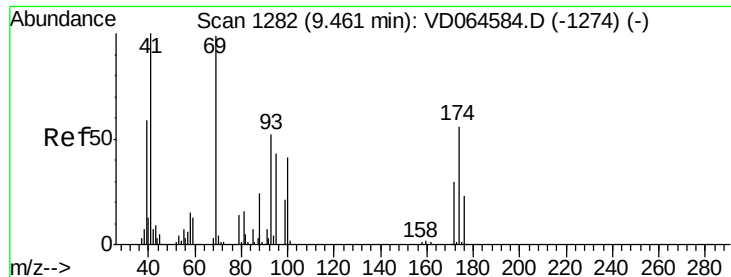
Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Tgt Ion:	41	Resp:	91290
Ion	Ratio	Lower	Upper
41	100		
69	85.8	63.0	94.6
39	70.3	47.4	71.2





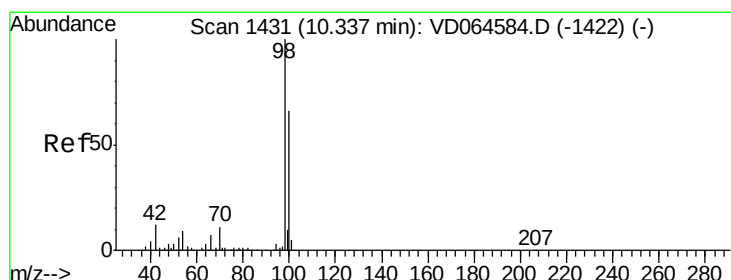
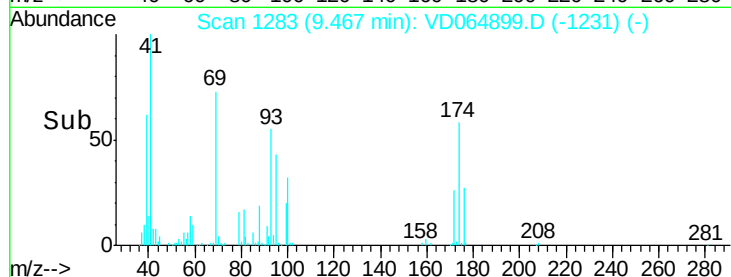
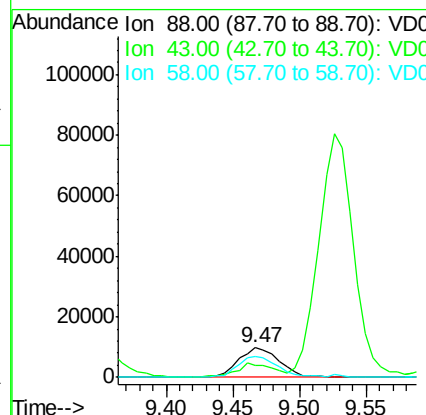
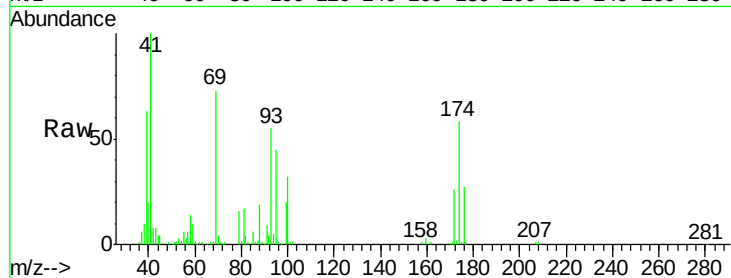
#49
1,4-Dioxane
Concen: 1168.563 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	20829
Ion Ratio	Lower	Upper	
88	100		
43	43.3	27.7	41.5#
58	70.6	53.8	80.6

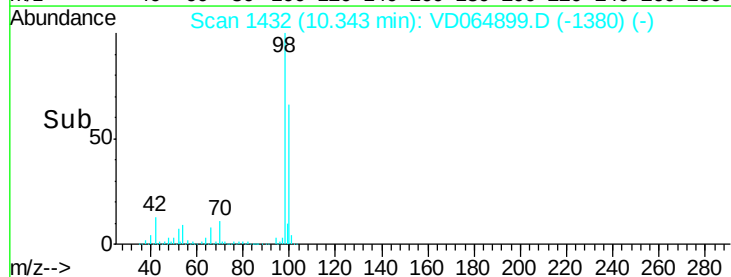
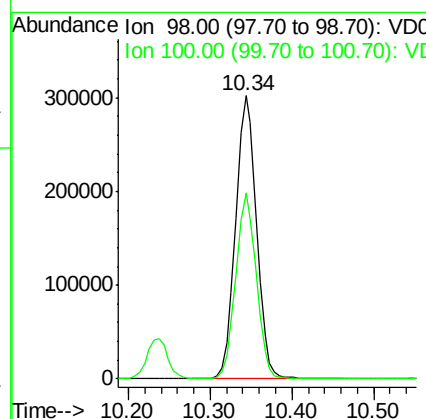
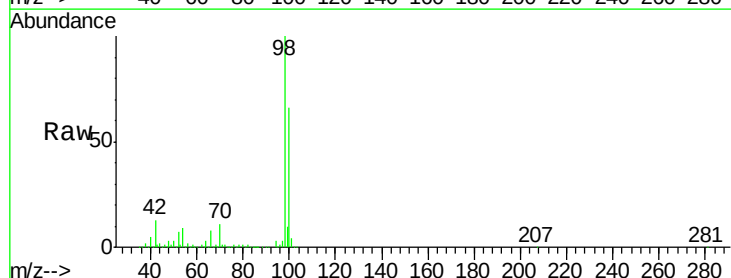
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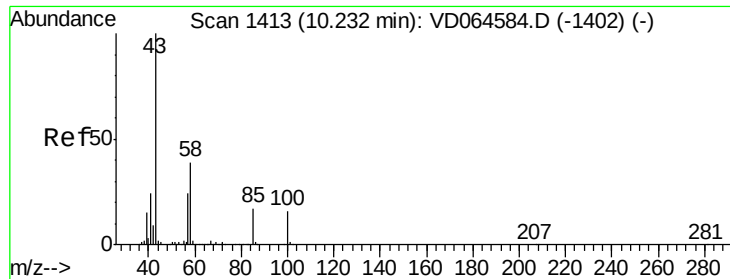
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#50
Toluene-d8
Concen: 52.032 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion	98	Resp	540337
Ion Ratio	Lower	Upper	
98	100		
100	64.8	51.7	77.5





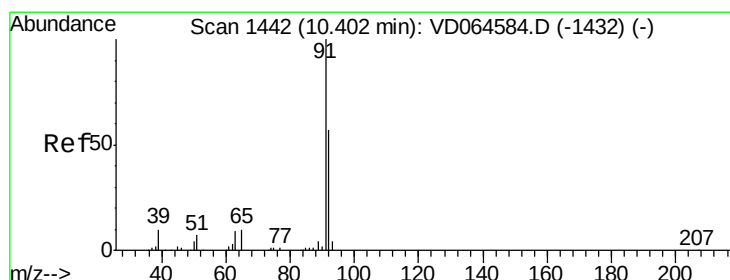
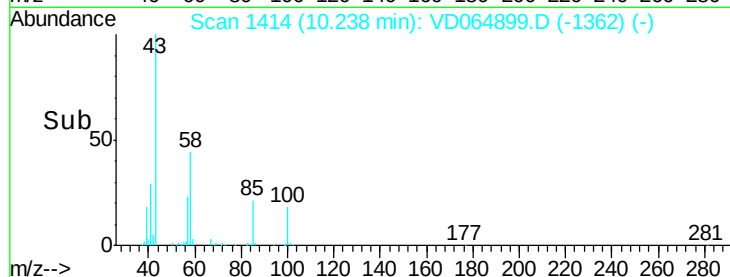
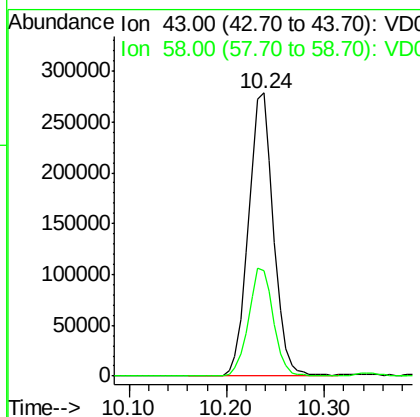
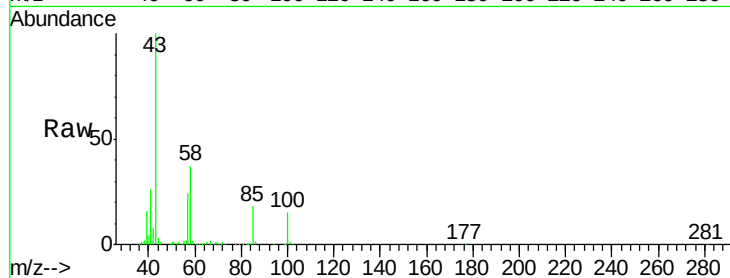
#51
4-Methyl-2-Pentanone
Concen: 305.992 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 503073
Ion Ratio Lower Upper
43 100
58 38.0 30.2 45.2

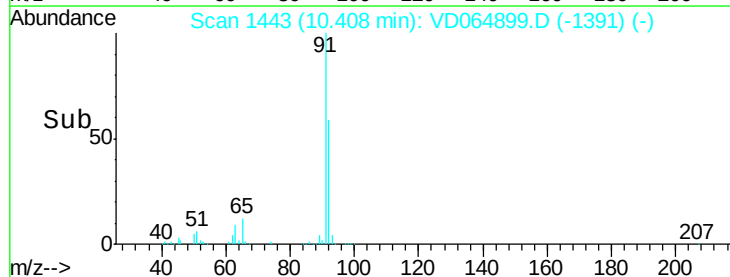
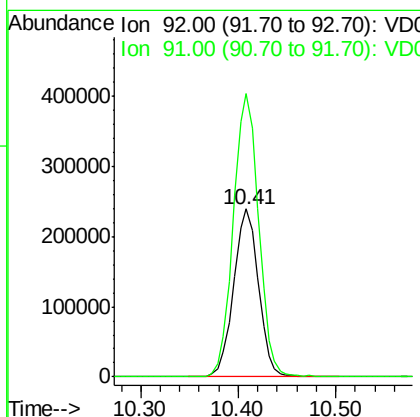
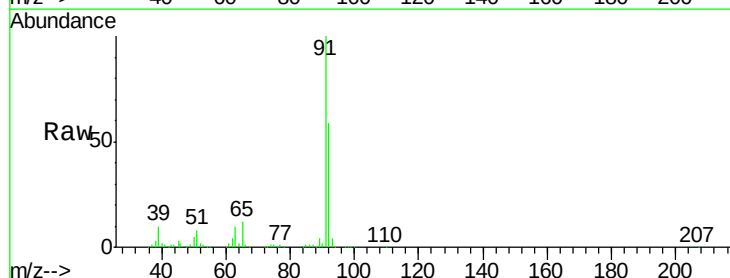
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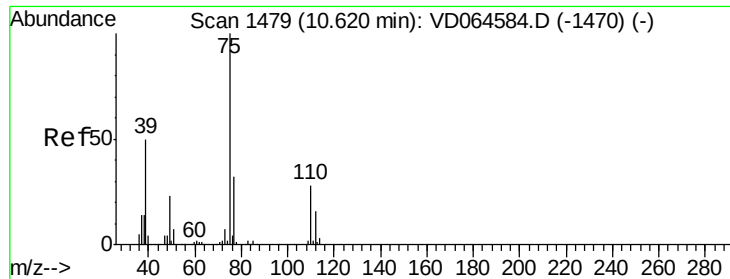
MMDadoda
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#52
Toluene
Concen: 55.515 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion: 92 Resp: 422950
Ion Ratio Lower Upper
92 100
91 172.2 138.7 208.1





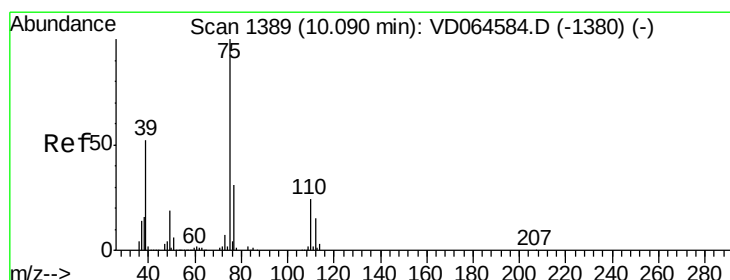
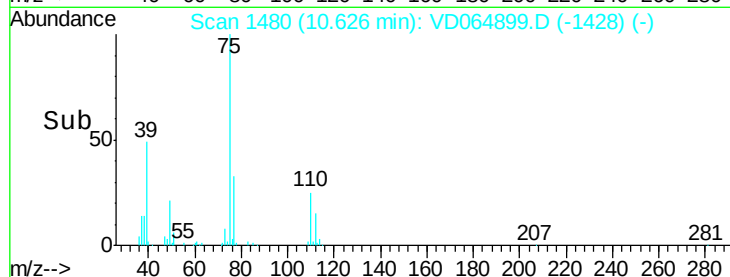
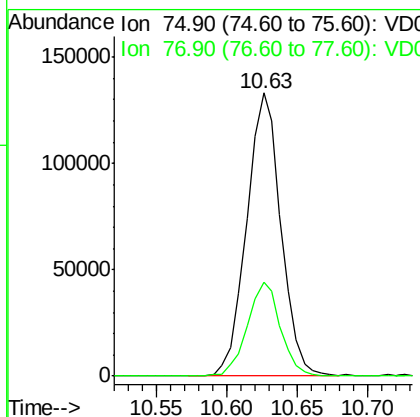
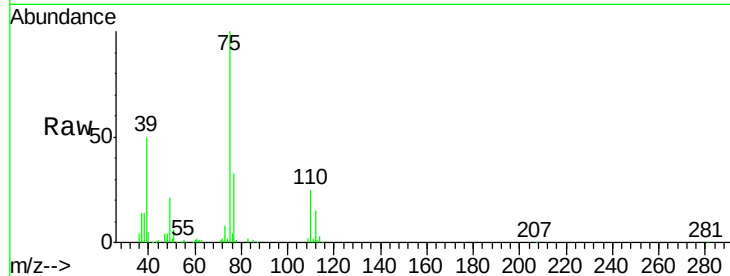
#53
t-1,3-Dichloropropene
Concen: 59.139 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.2

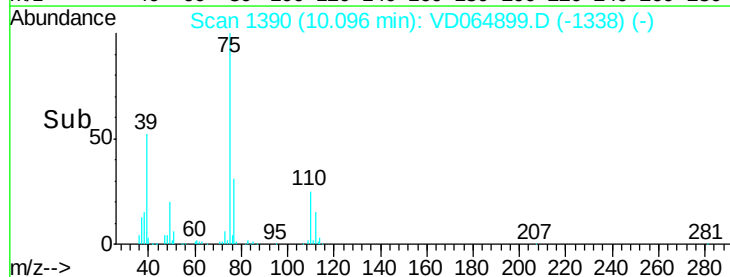
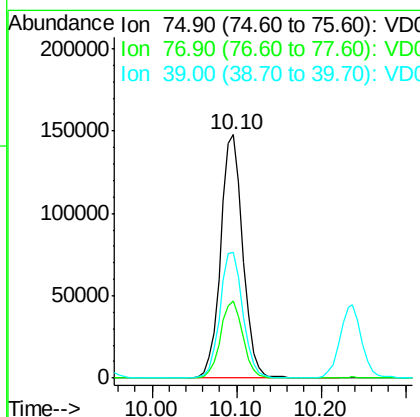
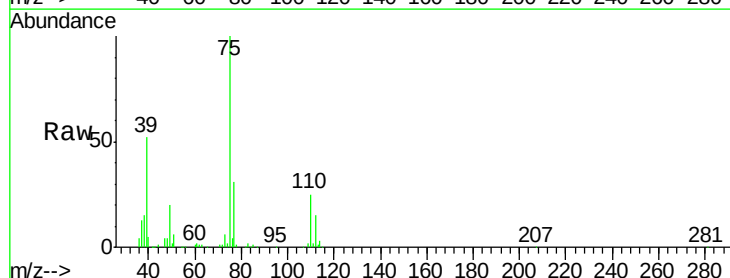
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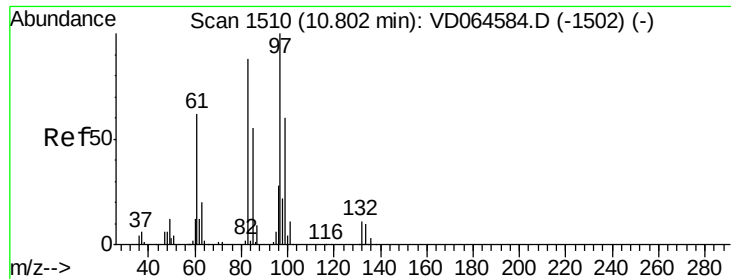
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 59.451 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.6	36.8
39	51.5	41.4	62.2





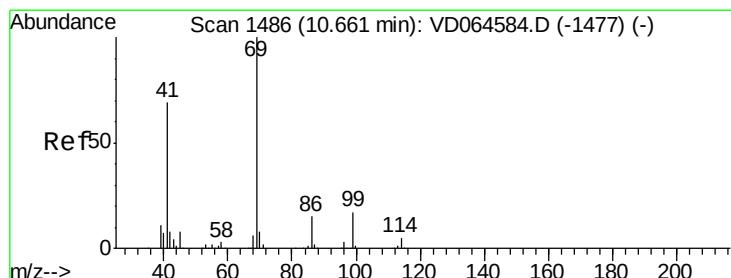
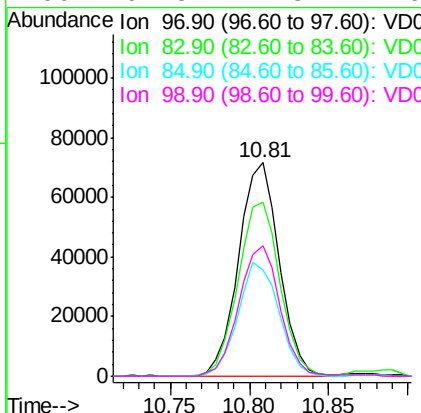
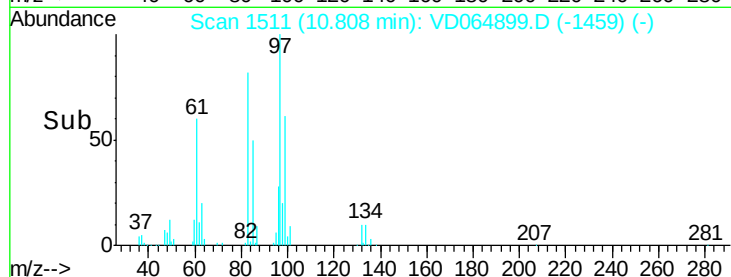
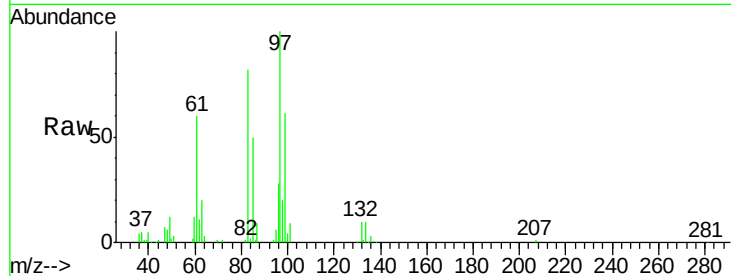
#55
 1,1,2-Trichloroethane
 Concen: 61.293 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.3	70.2	105.4
85	49.6	44.0	66.0
99	61.3	47.8	71.6

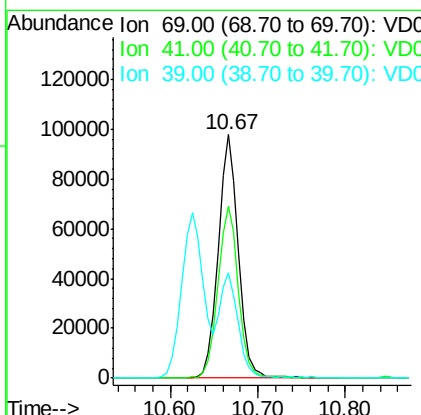
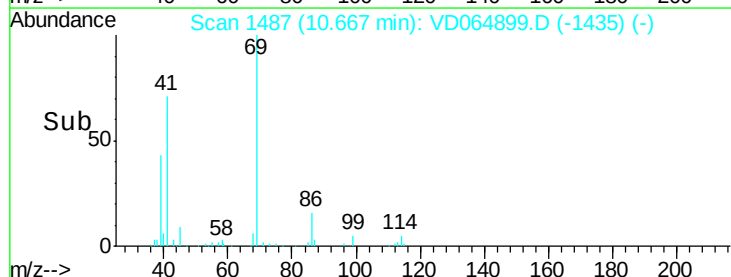
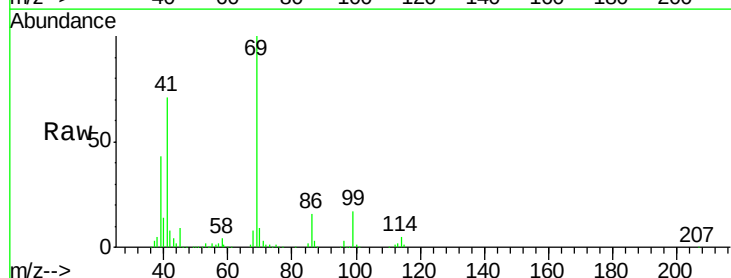
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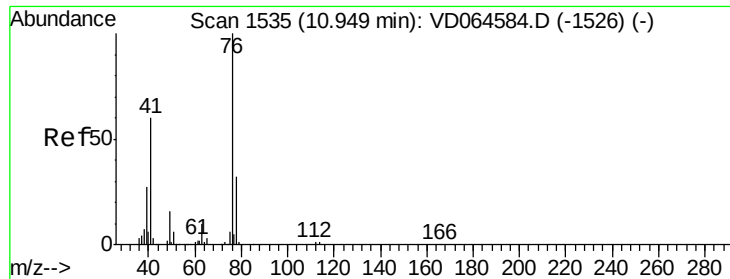
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#56
 Ethyl methacrylate
 Concen: 59.618 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Lower	Upper
69	100		
41	72.7	55.3	82.9
39	39.5	33.8	50.8





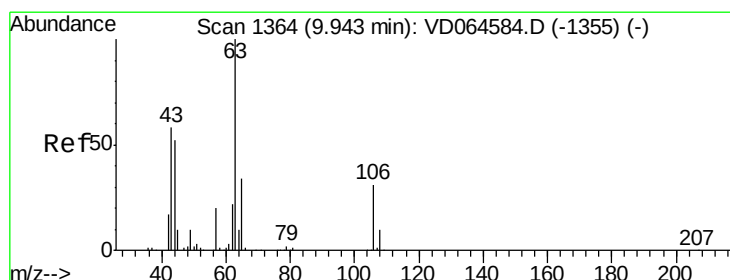
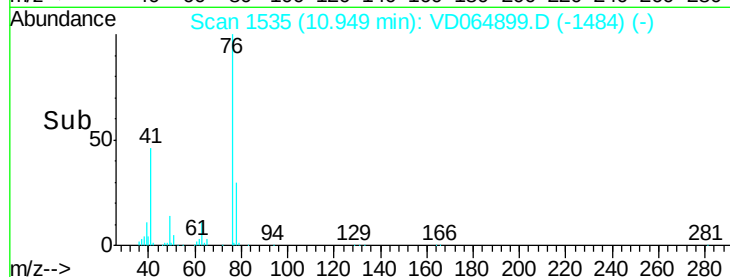
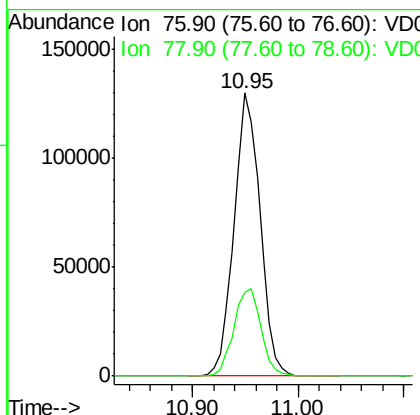
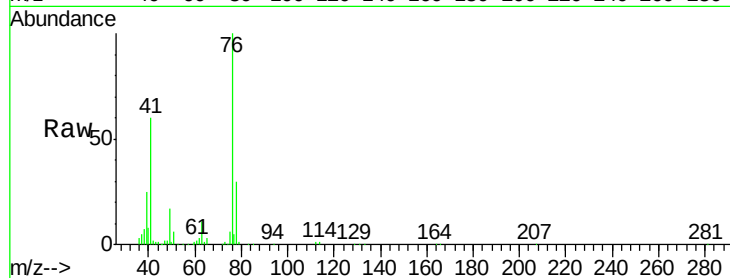
#57
 1,3-Dichloropropane
 Concen: 61.689 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 221276
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.4

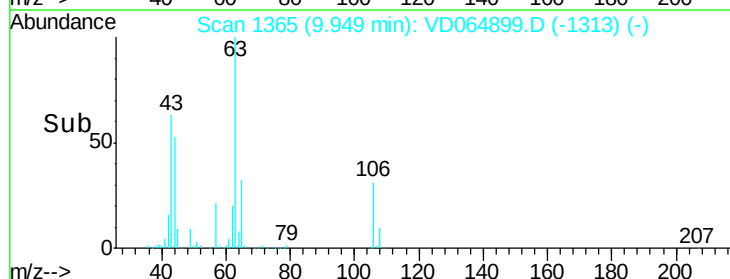
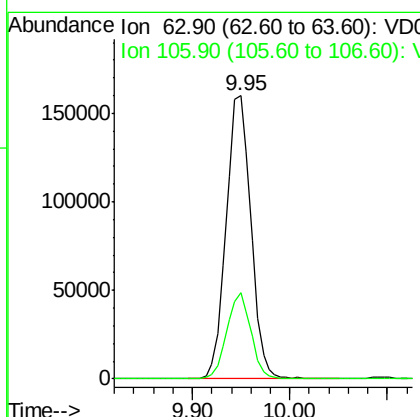
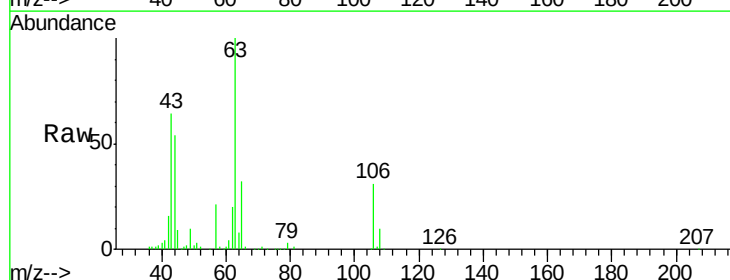
Manual Integrations
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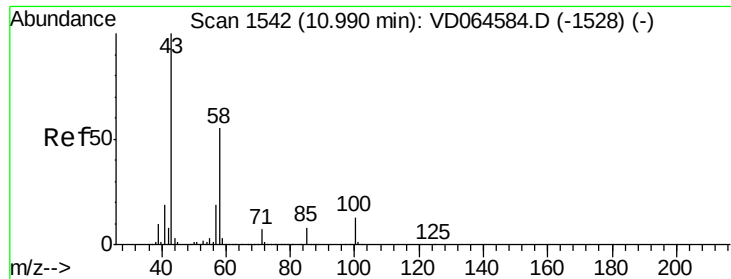
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#58
 2-Chloroethyl Vinyl ether
 Concen: 285.128 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Tgt Ion: 63 Resp: 282630
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.8 35.8





#59

2-Hexanone

Concen: 306.055 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 341517

Ion Ratio Lower Upper

43 100

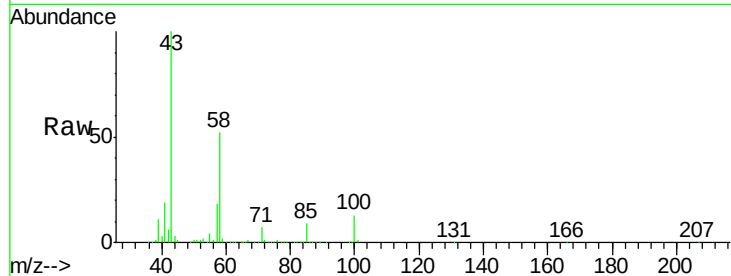
58 53.4 26.4 79.0

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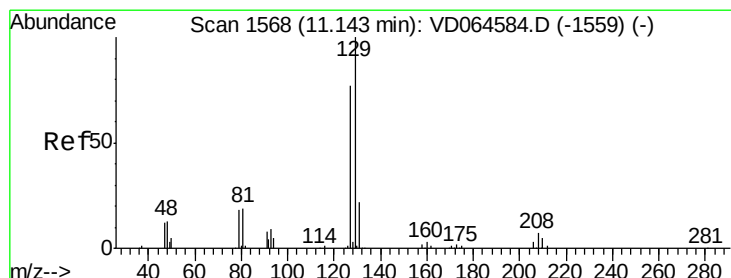
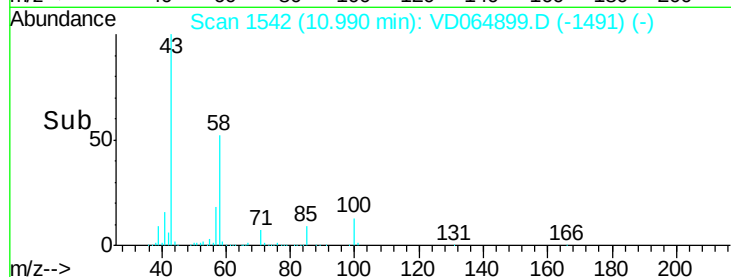
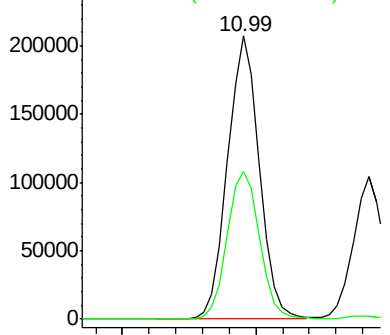
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 60.290 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD064899.D

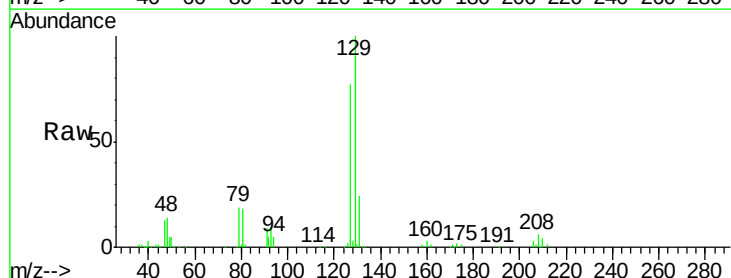
Acq: 20 Jan 2020 19:24

Tgt Ion: 129 Resp: 173689

Ion Ratio Lower Upper

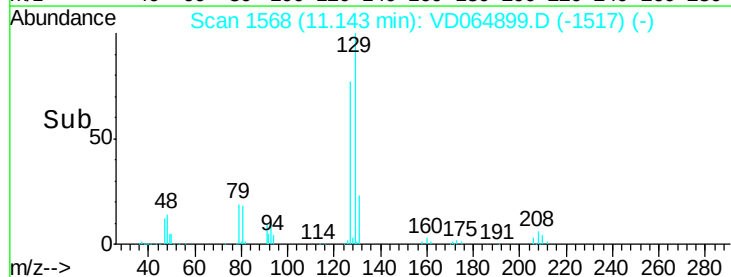
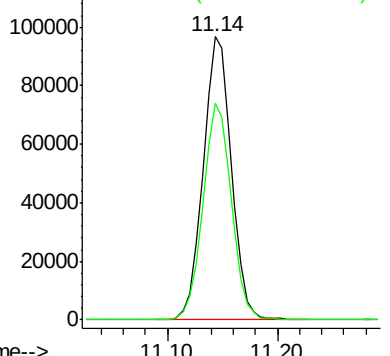
129 100

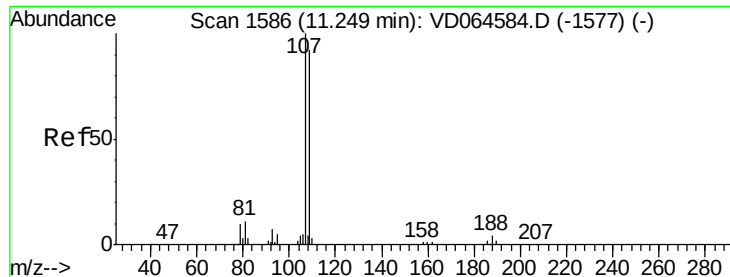
127 77.0 38.4 115.2



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





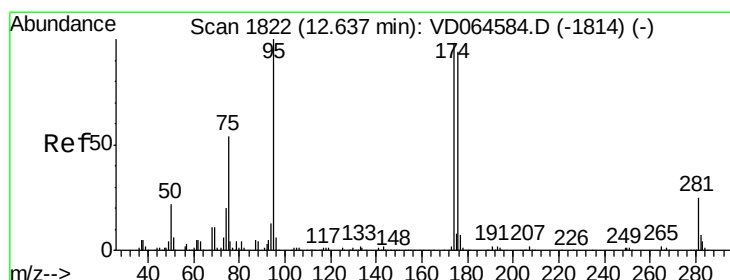
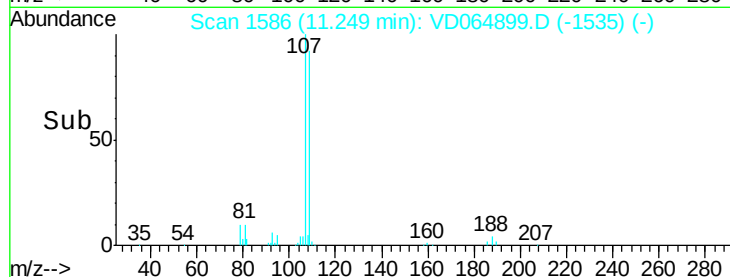
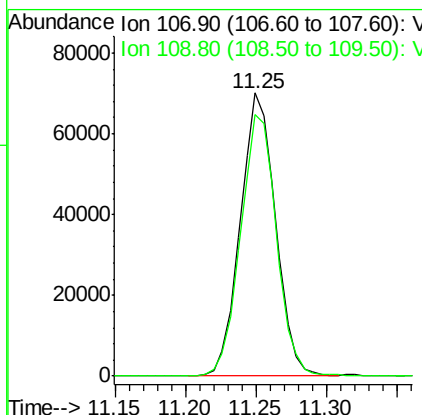
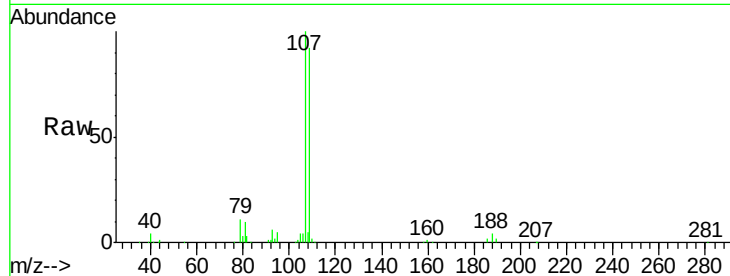
#61
 1,2-Dibromoethane
 Concen: 59.566 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	75.6	113.4

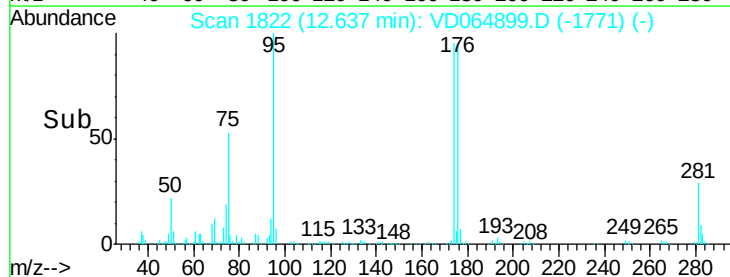
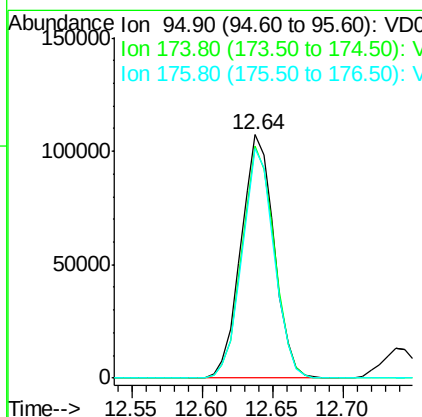
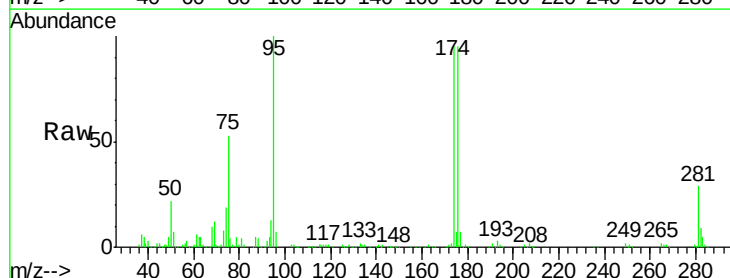
Manual Integrations
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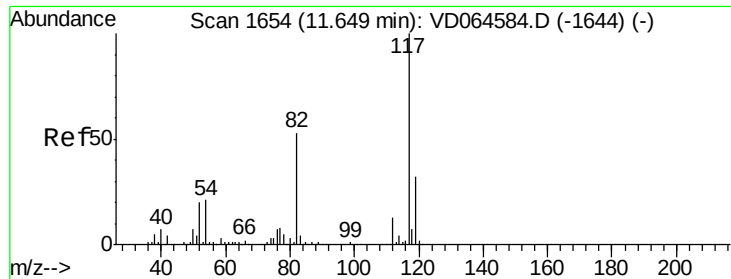
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#62
 4-Bromofluorobenzene
 Concen: 53.566 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.8	0.0	193.2
176	91.3	0.0	184.2





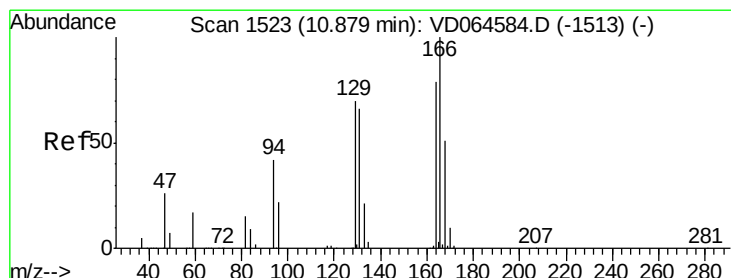
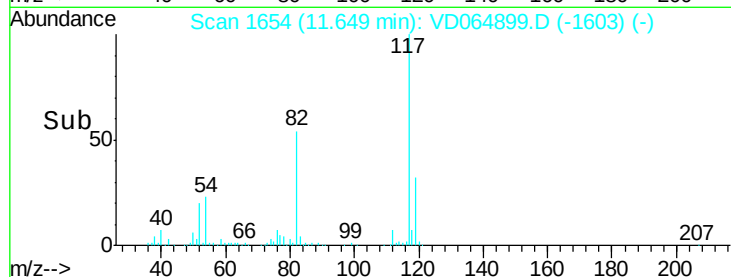
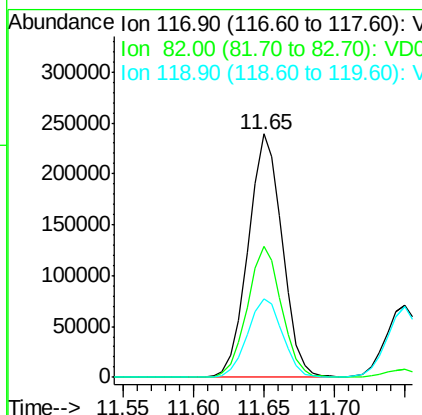
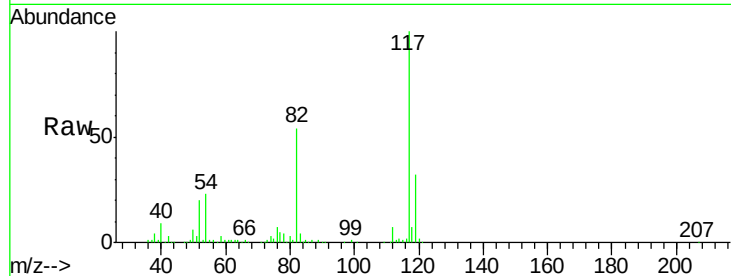
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	42.2	63.4
119	32.1	26.0	39.0

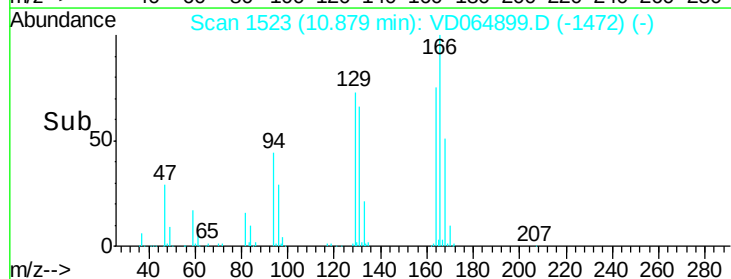
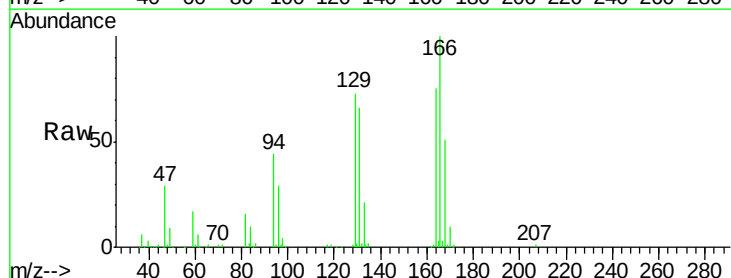
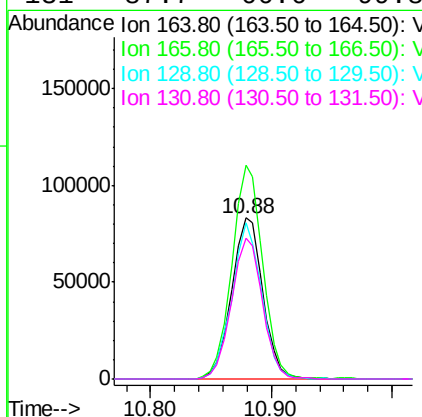
Manual Integrations
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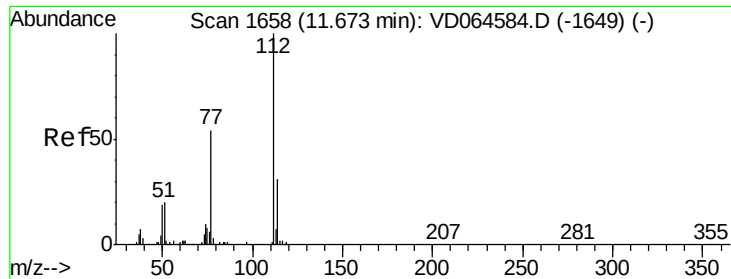
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#64
Tetrachloroethene
Concen: 48.296 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.9	101.3	151.9
129	97.0	70.5	105.7
131	87.7	66.6	99.8





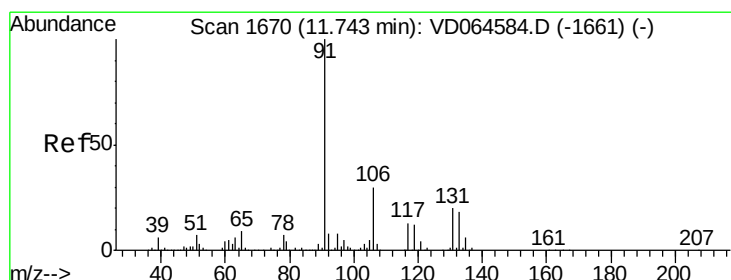
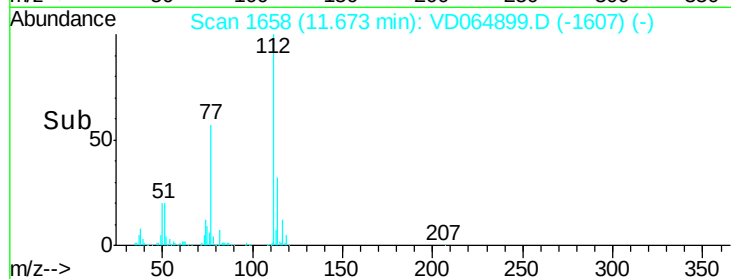
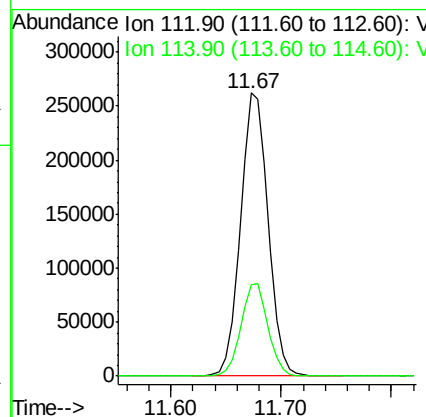
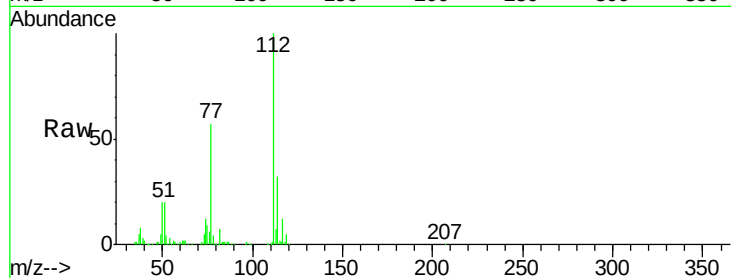
#65
Chlorobenzene
Concen: 54.813 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	24.8	37.2

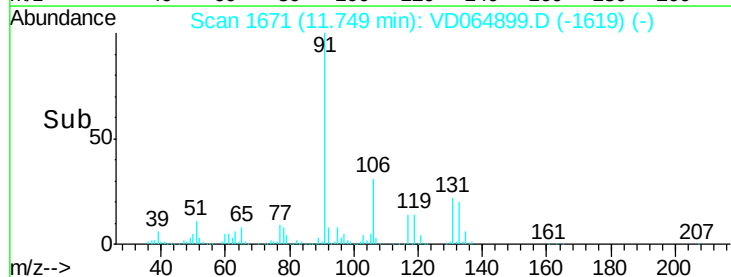
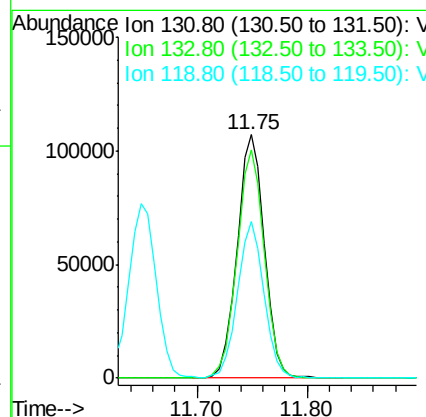
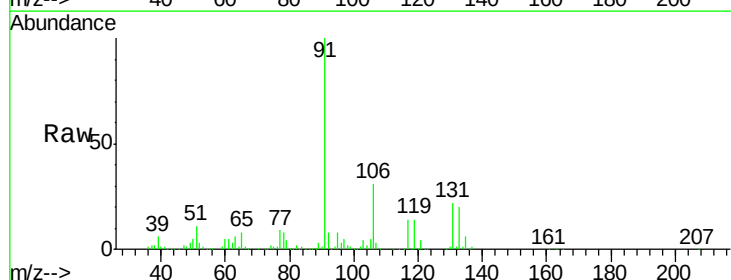
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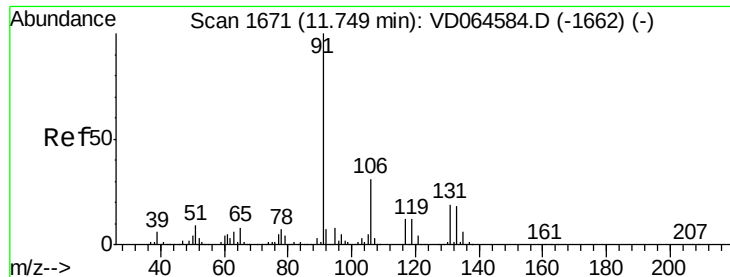
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#66
1,1,1,2-Tetrachloroethane
Concen: 58.494 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.0	48.3	144.8
119	63.0	32.1	96.3





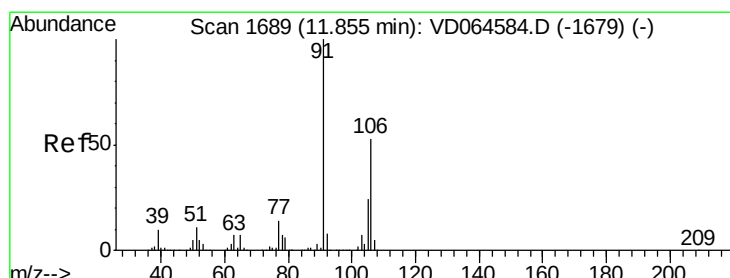
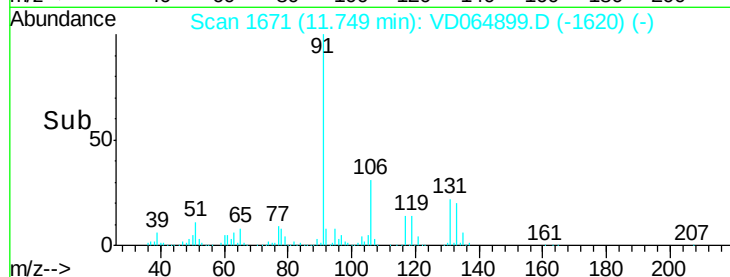
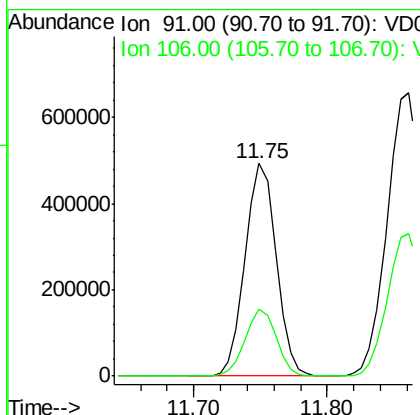
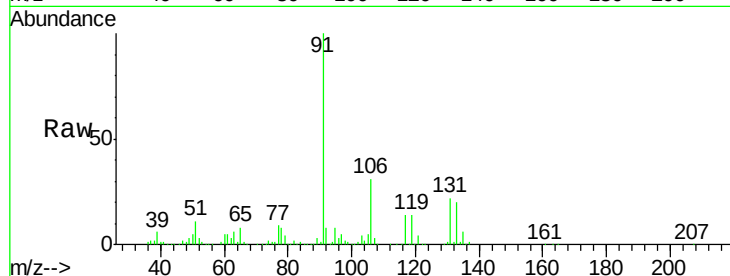
#67
Ethyl Benzene
Concen: 52.329 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 798093
Ion Ratio Lower Upper
91 100
106 31.3 24.6 36.8

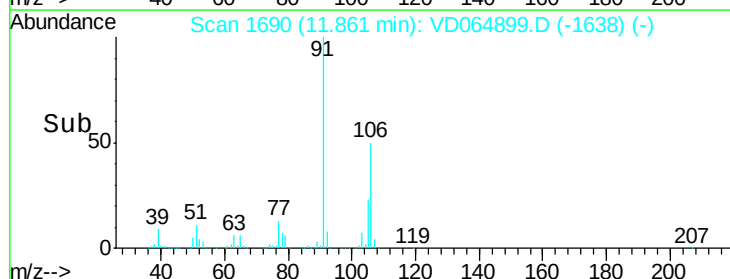
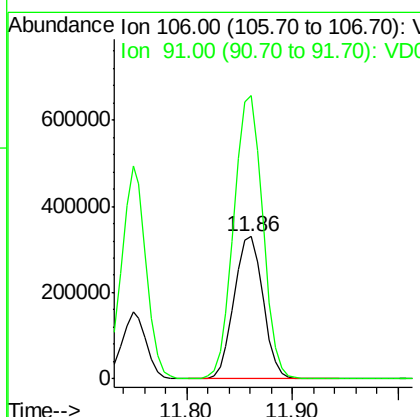
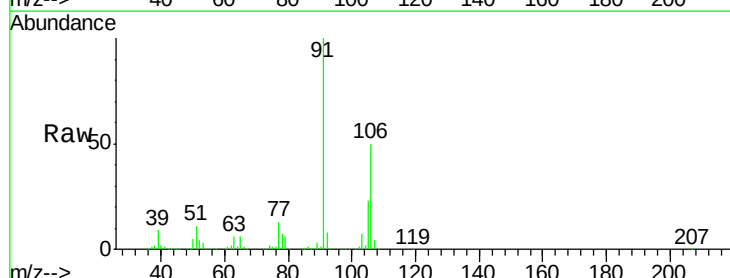
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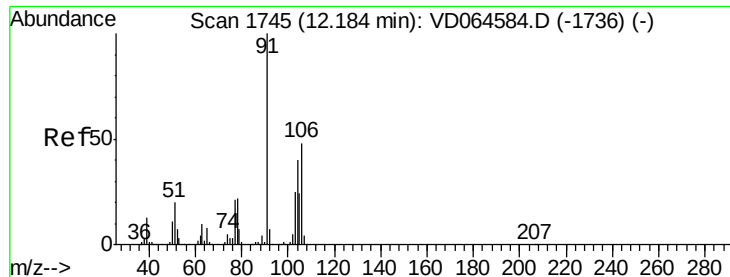
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#68
m/p-Xylenes
Concen: 106.511 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion: 106 Resp: 626997
Ion Ratio Lower Upper
106 100
91 198.9 156.3 234.5





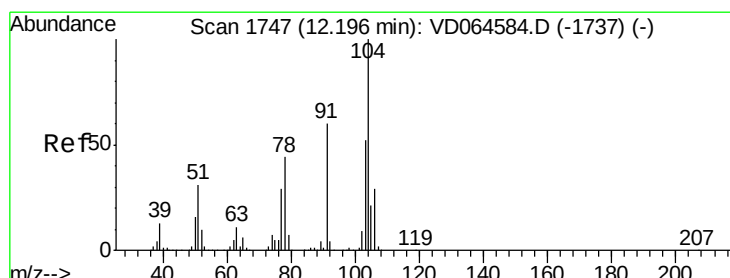
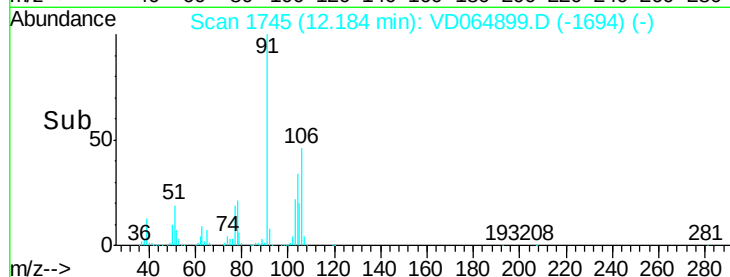
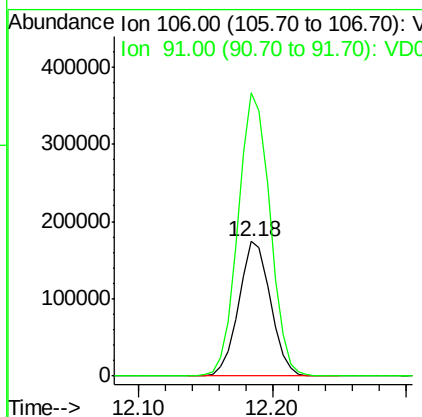
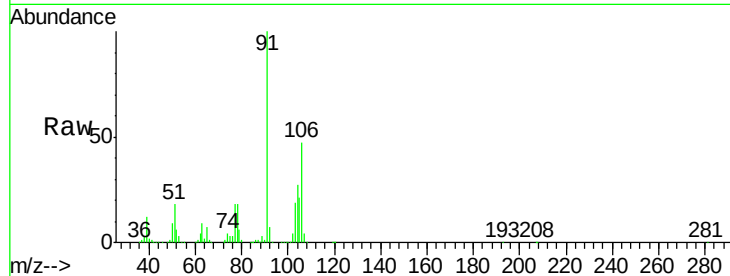
#69
o-Xylene
Concen: 53.981 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.5	104.8	314.4	

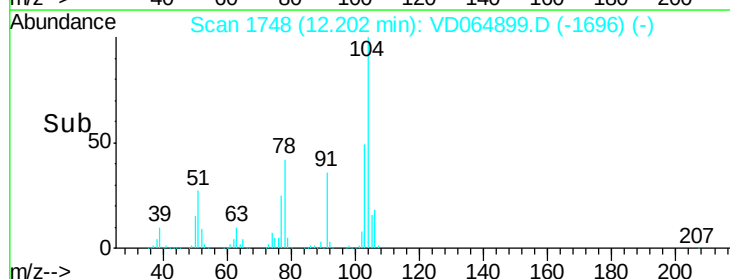
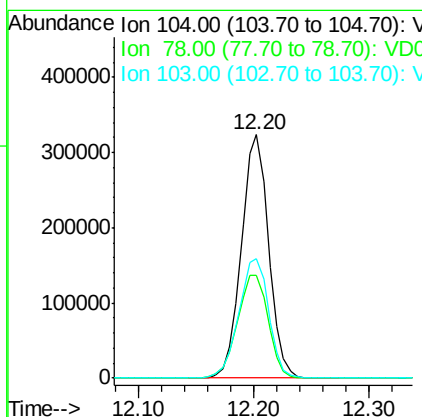
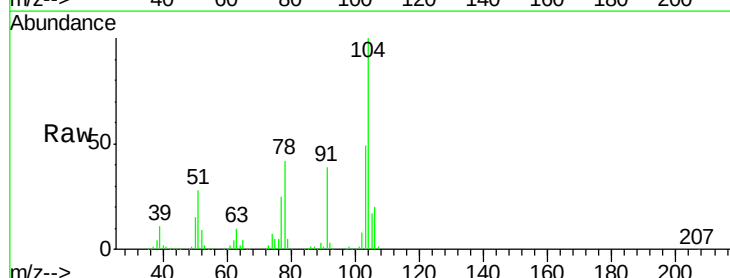
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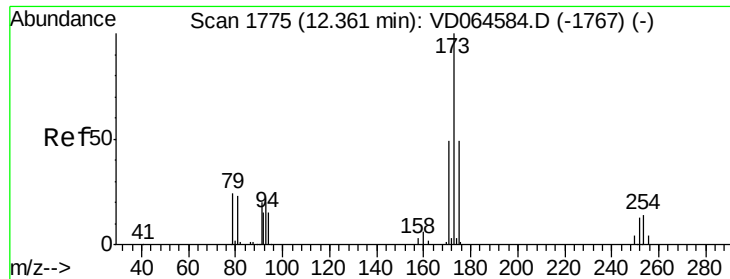
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#70
Styrene
Concen: 56.773 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.9	38.2	57.2	
103	54.2	44.6	67.0	





#71

Bromoform

Concen: 57.046 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

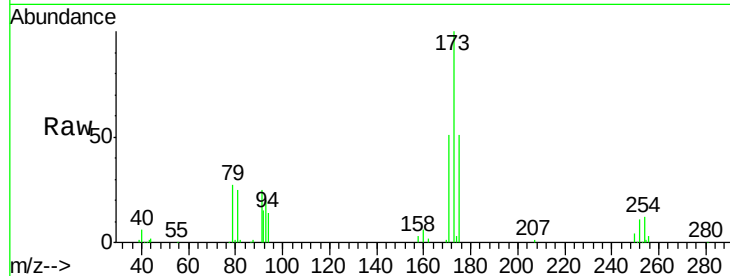
ClientSampleId :

VSTDCCC050EC

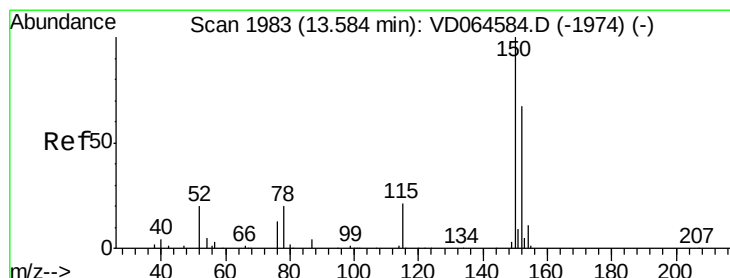
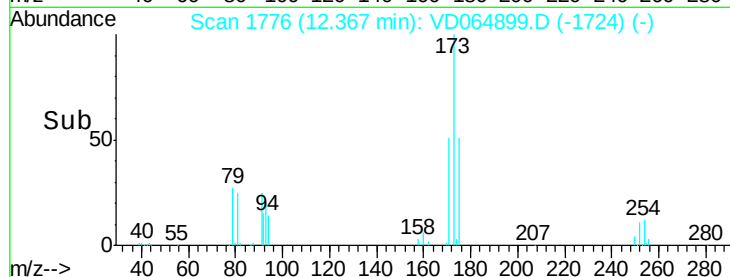
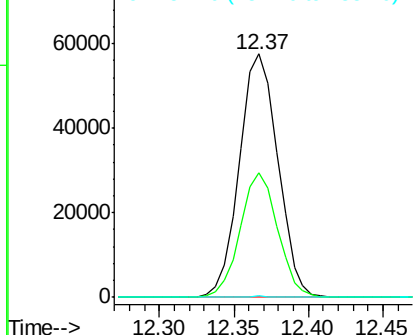
Tot Ion:	173	Resp:	103051
Ion Ratio	Lower	Upper	
173	100		
175	49.9	24.6	73.8
254	0.1	0.1	0.1

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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

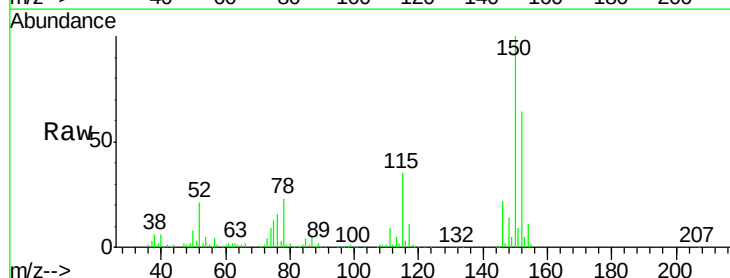
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

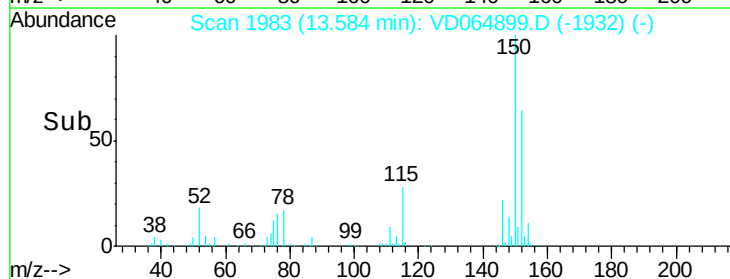
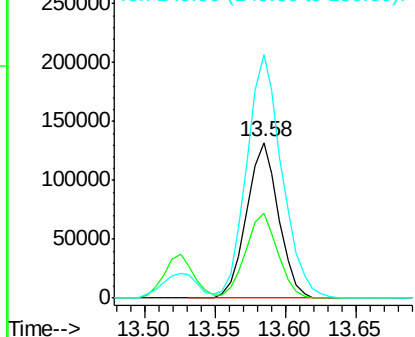
Lab File: VD064899.D

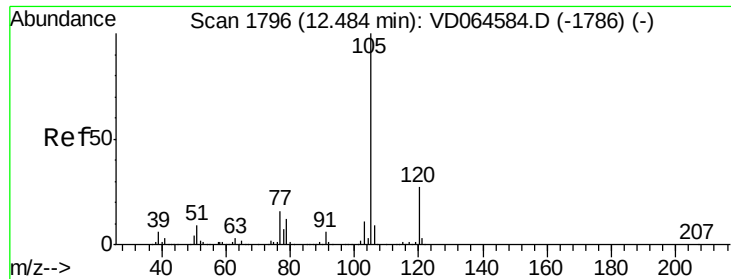
Acq: 20 Jan 2020 19:24

Tgt Ion:	152	Resp:	208825
Ion Ratio	Lower	Upper	
152	100		
115	55.4	27.8	83.4
150	173.2	0.0	351.4



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





#73

Isopropylbenzene

Concen: 51.227 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 764459

Ion Ratio Lower Upper

105 100

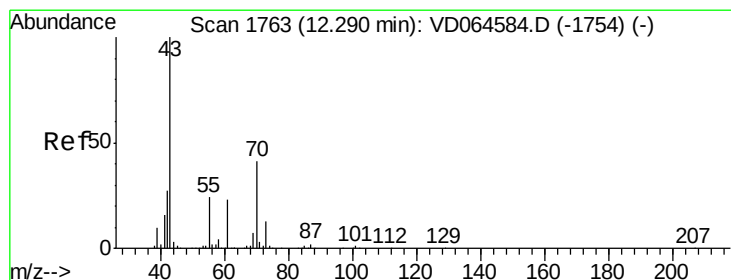
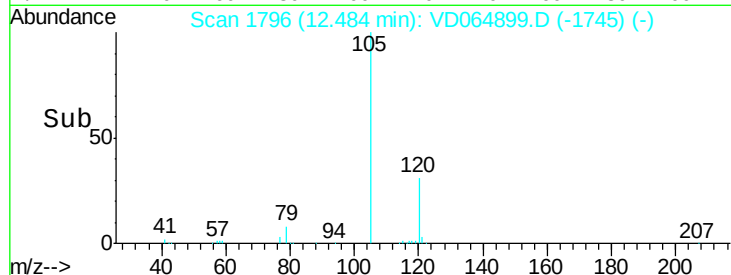
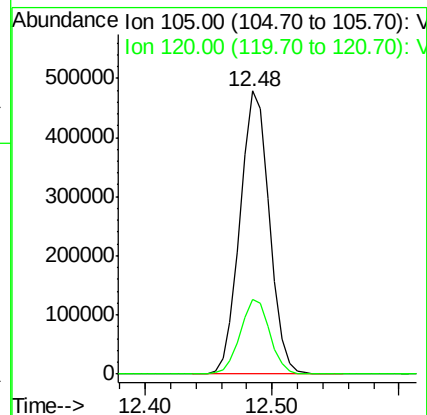
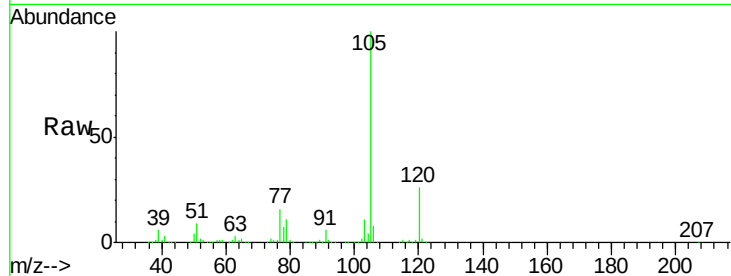
120 26.4 13.5 40.5

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#74

N-ethyl acetate

Concen: 56.097 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Tgt Ion: 43 Resp: 178950

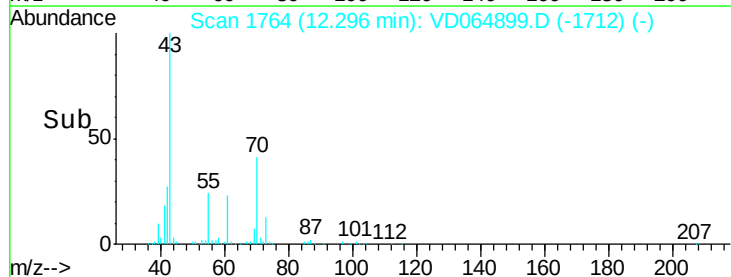
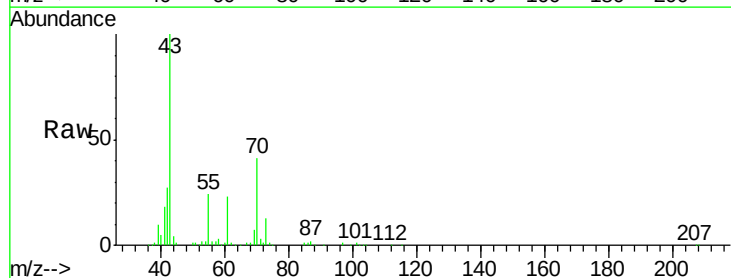
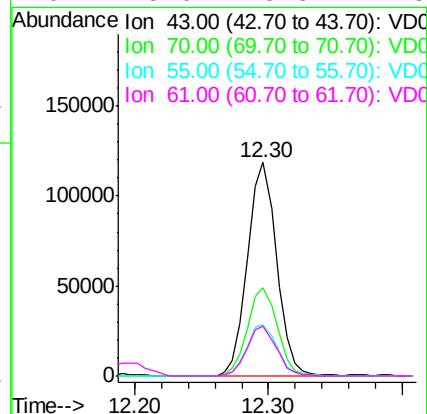
Ion Ratio Lower Upper

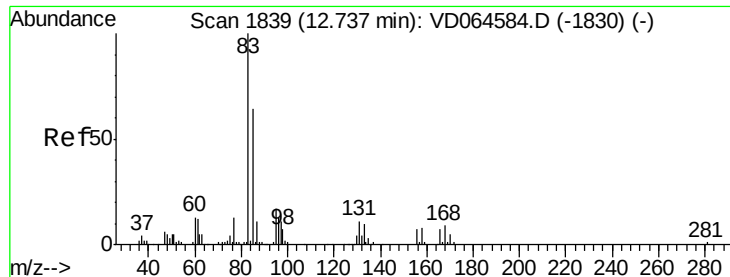
43 100

70 42.1 33.4 50.0

55 25.1 19.4 29.0

61 23.6 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 56.622 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

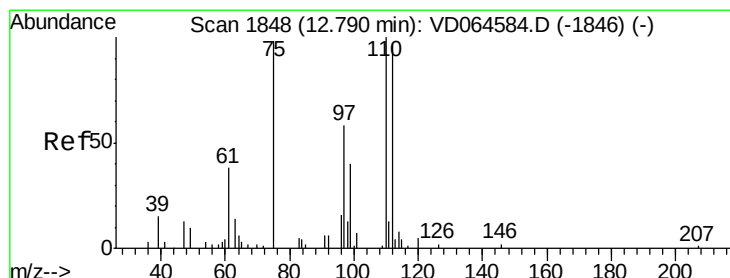
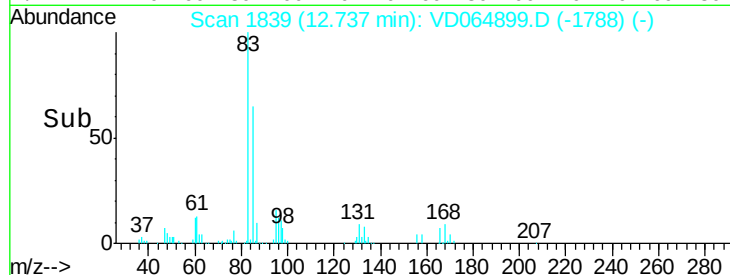
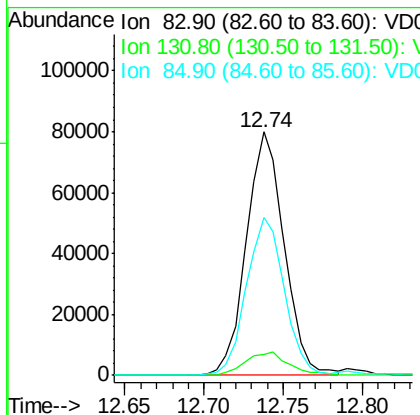
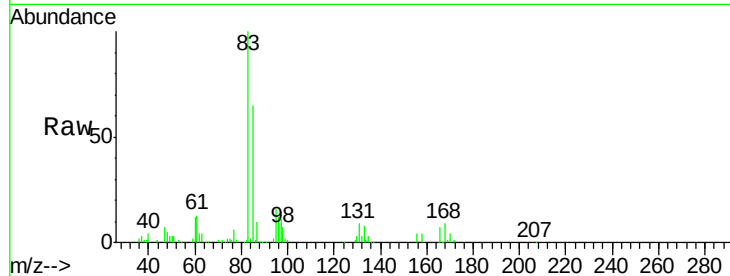
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	132737
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.8	17.4
85	64.9	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 54.512 ug/l m

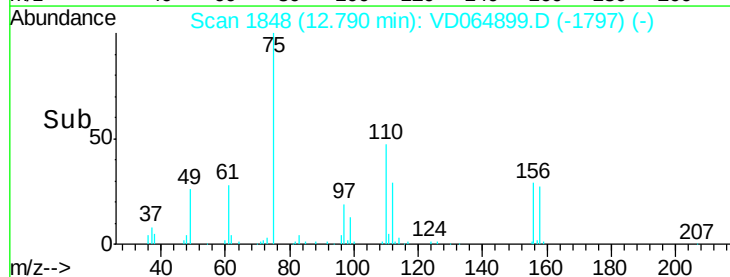
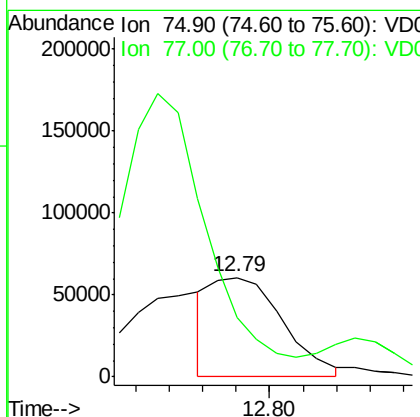
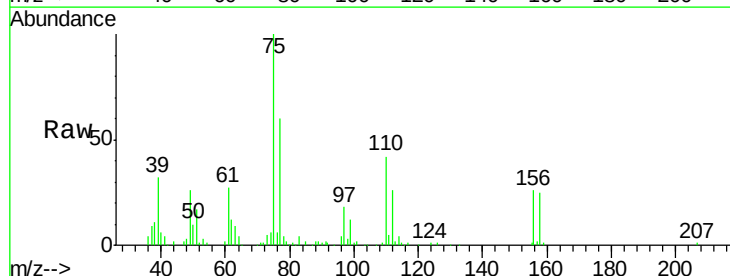
RT: 12.79 min Scan# 1848

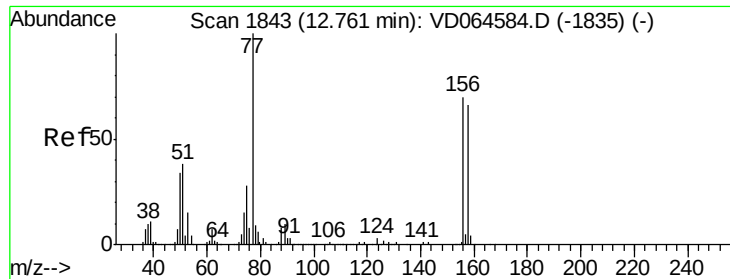
Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Tgt Ion:	75	Resp:	89891
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.189 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

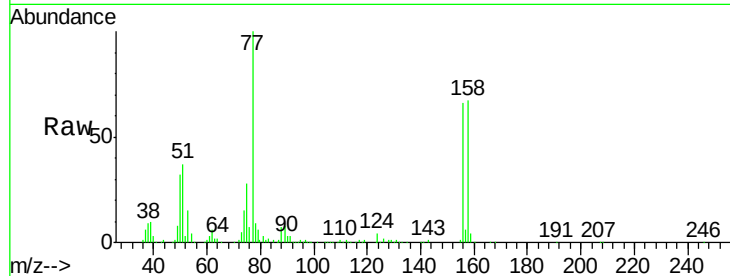
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	165.9	80.9	242.7
158	97.8	48.0	144.2

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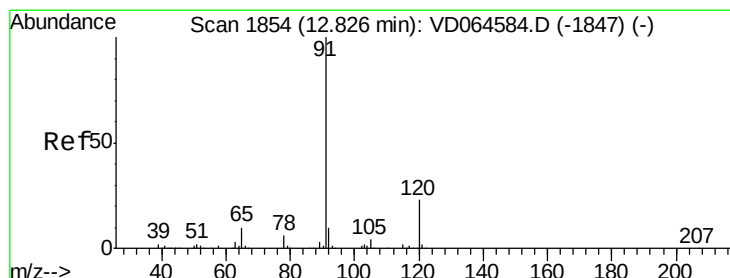
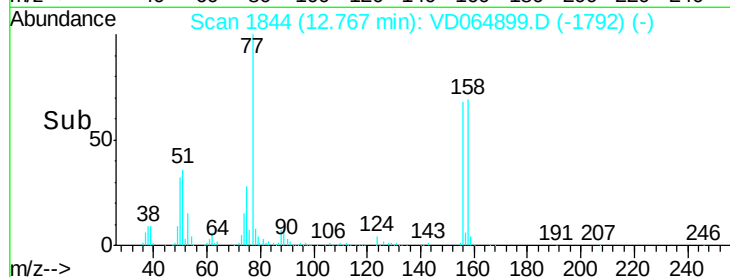
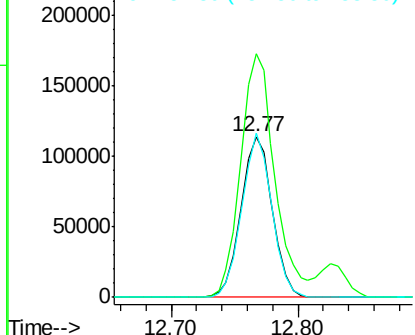
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.138 ug/l

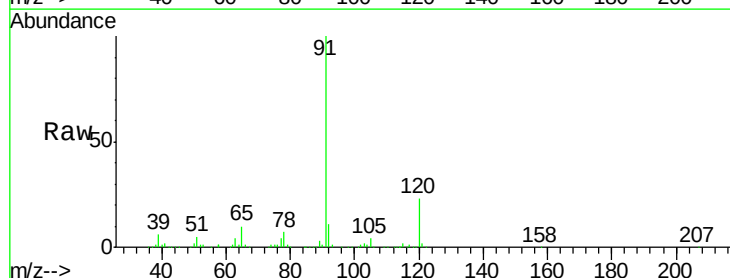
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064899.D

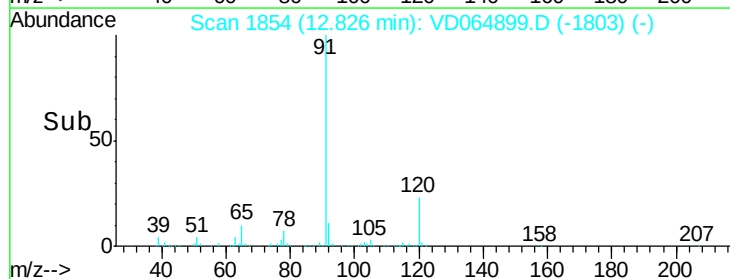
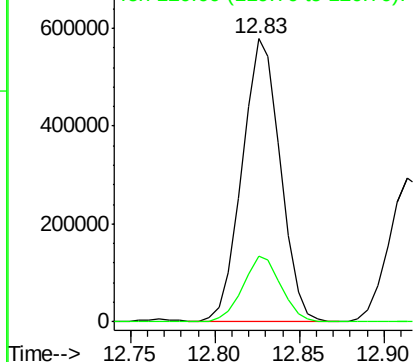
Acq: 20 Jan 2020 19:24

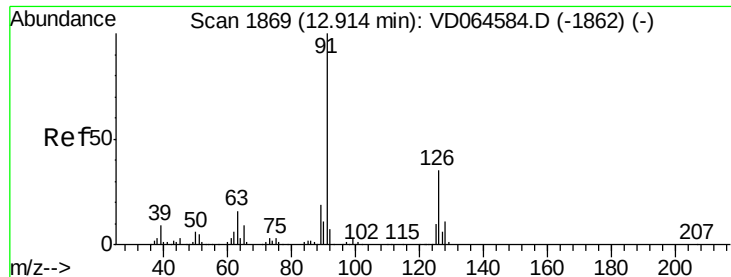
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.495 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 502055

Ion Ratio Lower Upper

91 100

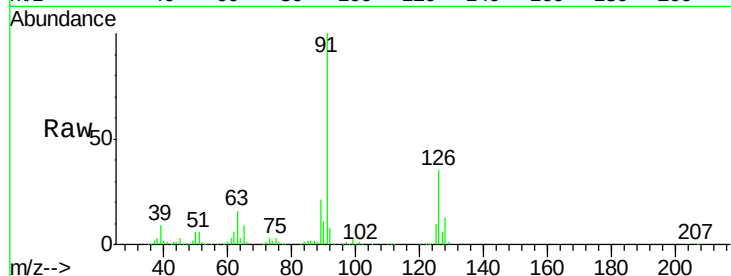
126 35.9 17.8 53.5

Manual Integrations

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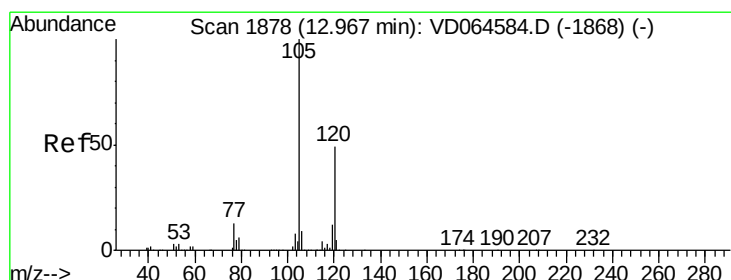
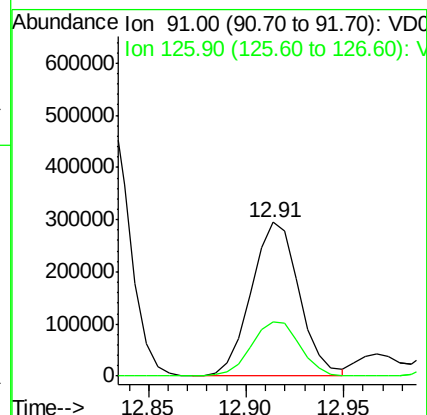
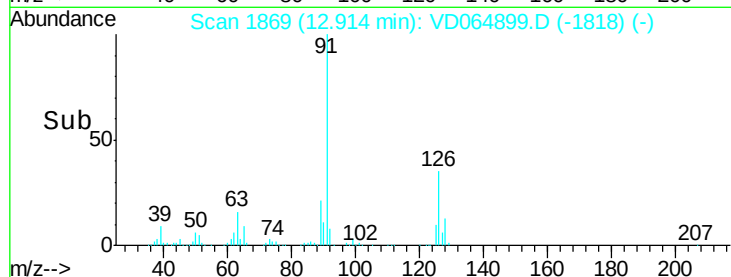
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Abundance Ion 91.00 (90.70 to 91.70): VD064899.D (-1818) (-)

Ion 125.90 (125.60 to 126.60): VD064899.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.167 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064899.D

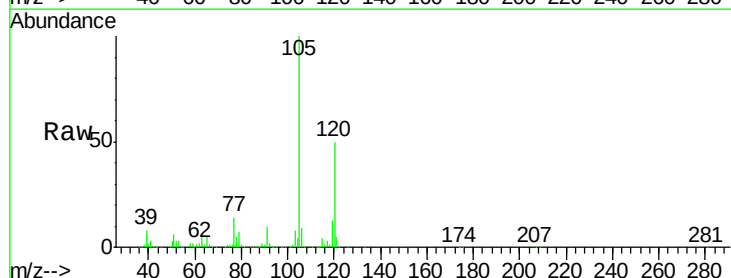
Acq: 20 Jan 2020 19:24

Tgt Ion: 105 Resp: 639493

Ion Ratio Lower Upper

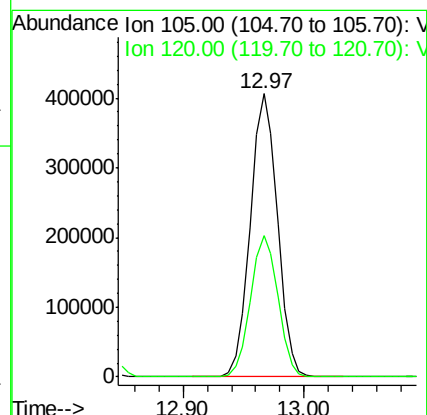
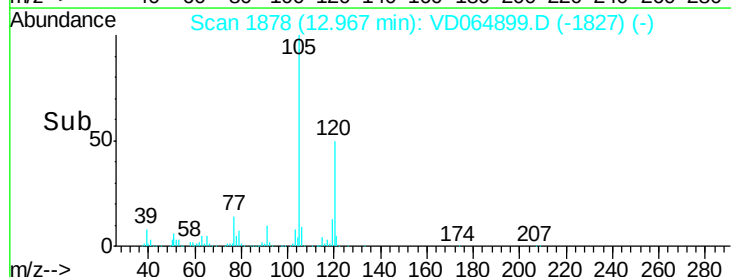
105 100

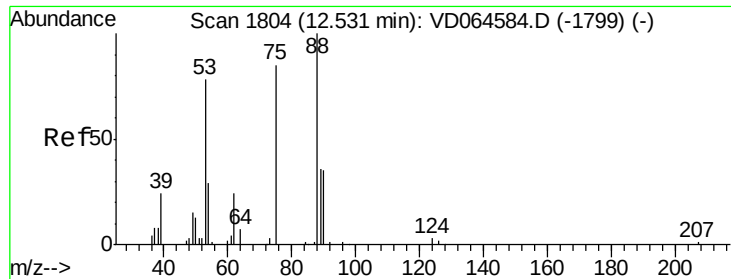
120 50.5 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064899.D (-1827) (-)

Ion 120.00 (119.70 to 120.70): VD064899.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 54.431 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 42916

Ion Ratio Lower Upper

75 100

53 106.0 78.8 118.2

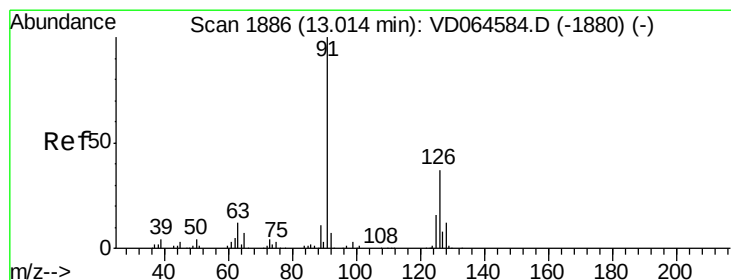
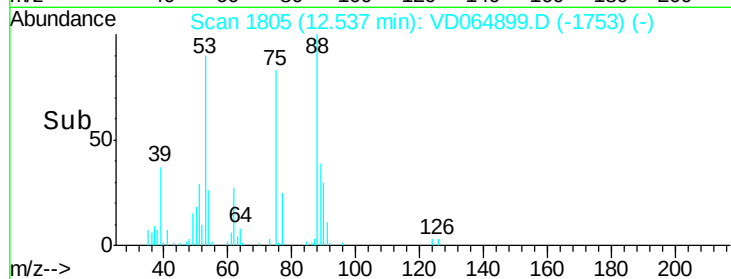
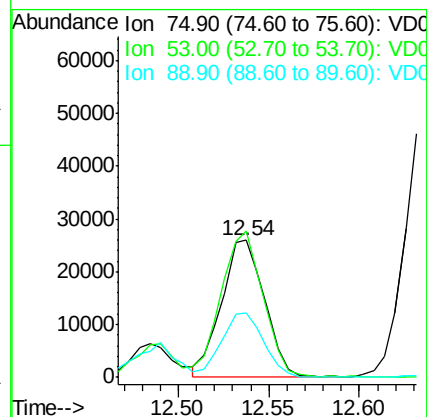
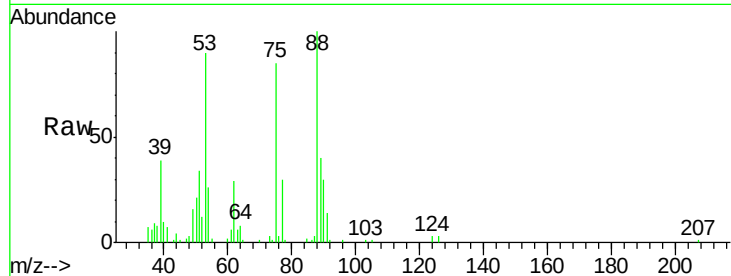
89 46.3 38.3 57.5

Manual Integrations

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#82

4-Chlorotoluene

Concen: 52.663 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064899.D

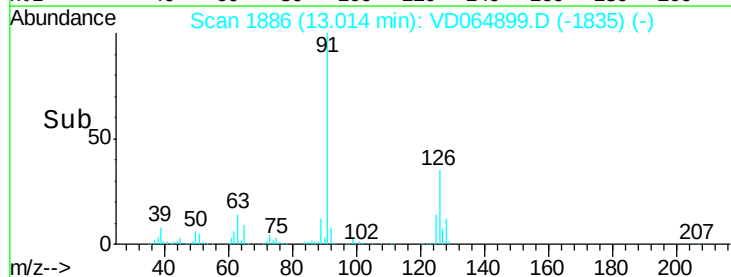
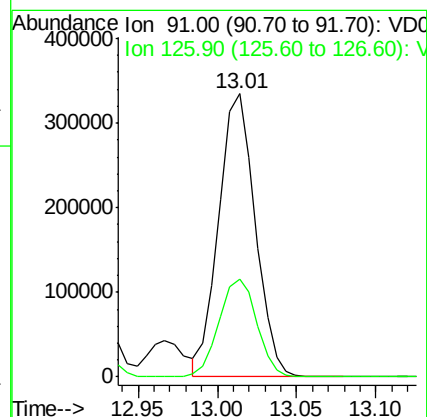
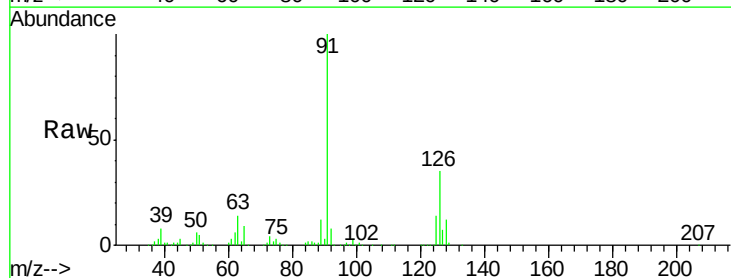
Acq: 20 Jan 2020 19:24

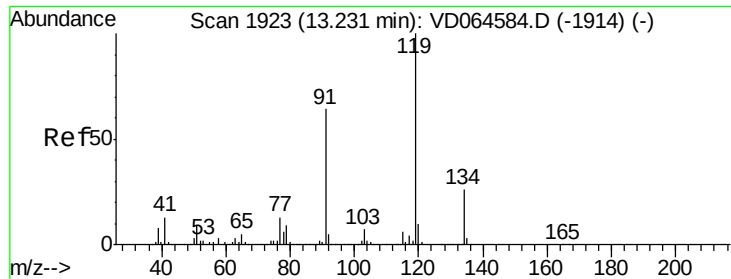
Tgt Ion: 91 Resp: 535990

Ion Ratio Lower Upper

91 100

126 35.9 17.8 53.5





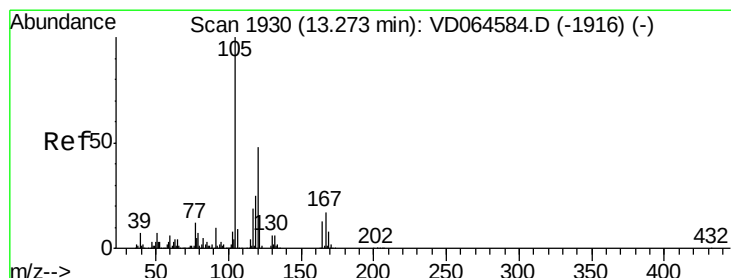
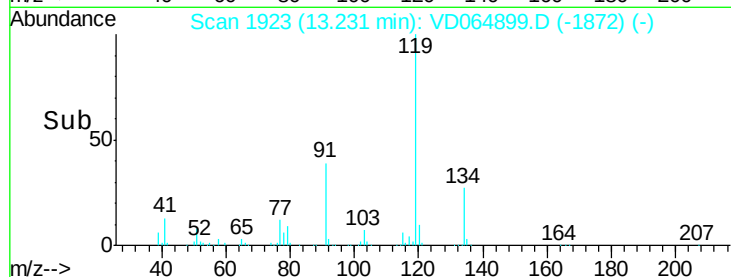
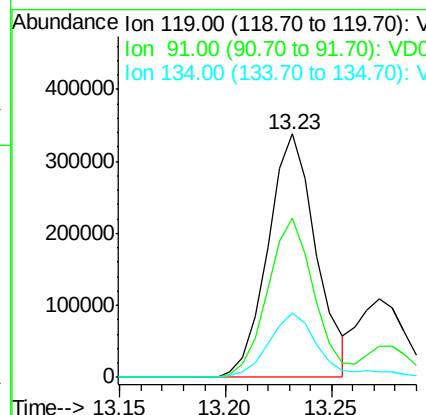
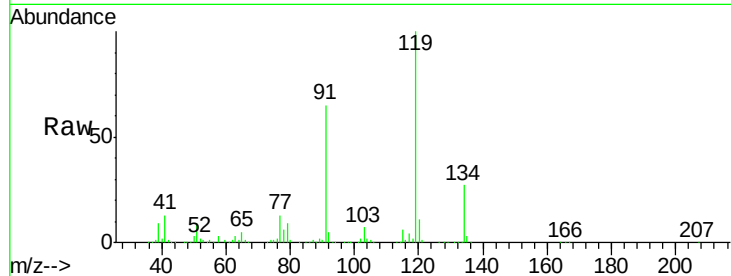
#83
 tert-Butylbenzene
 Concen: 50.368 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	30.8	92.4
134	28.3	12.8	38.3

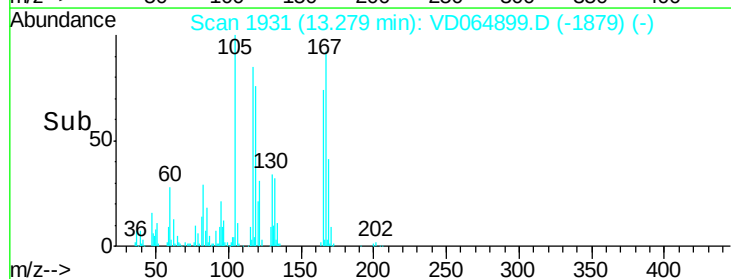
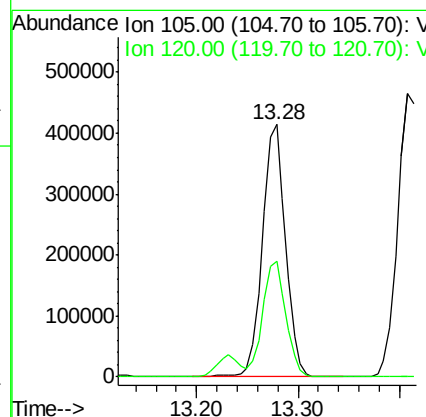
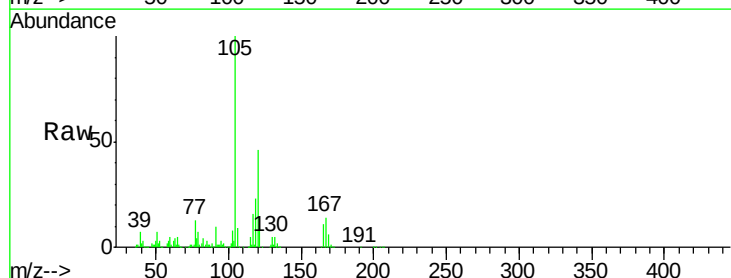
Manual Integrations
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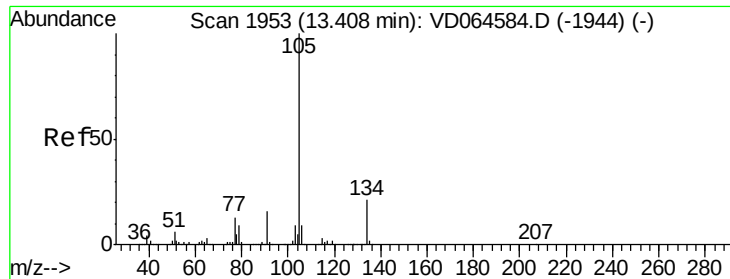
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.412 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	23.8	71.2





#85

sec-Butylbenzene

Concen: 50.818 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 741521

Ion Ratio Lower Upper

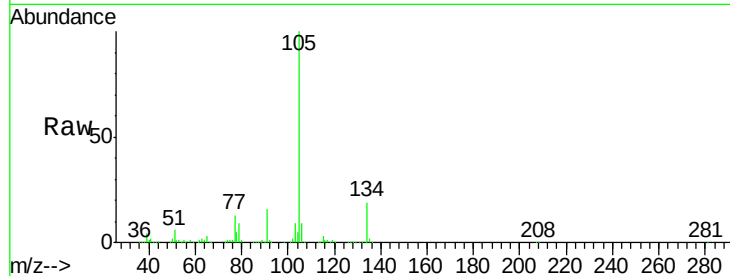
105 100

134 20.4 10.6 31.8

Manual Integrations
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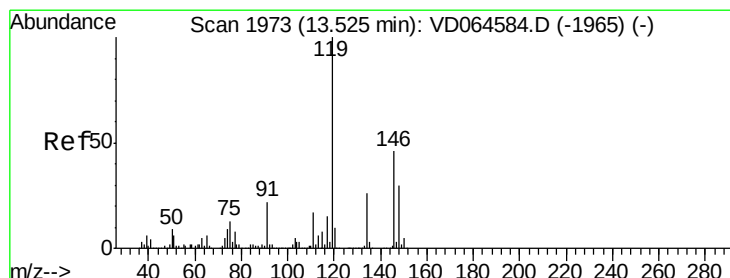
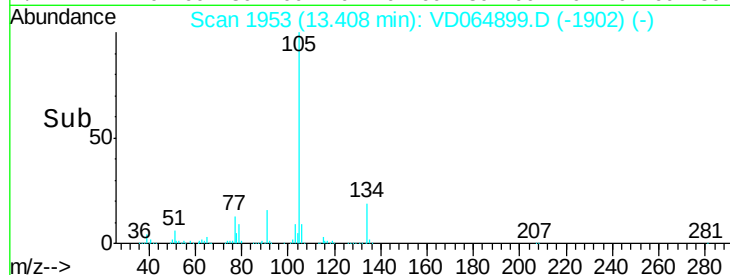
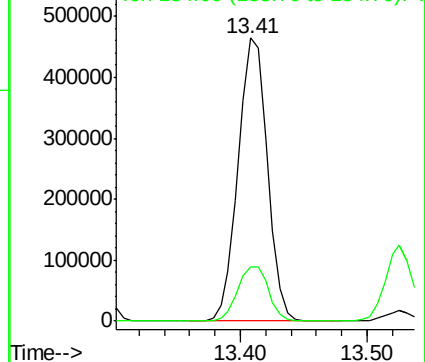
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.844 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

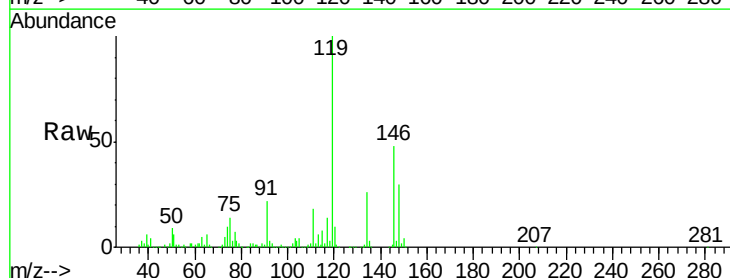
Tgt Ion:119 Resp: 709398

Ion Ratio Lower Upper

119 100

134 25.9 13.4 40.1

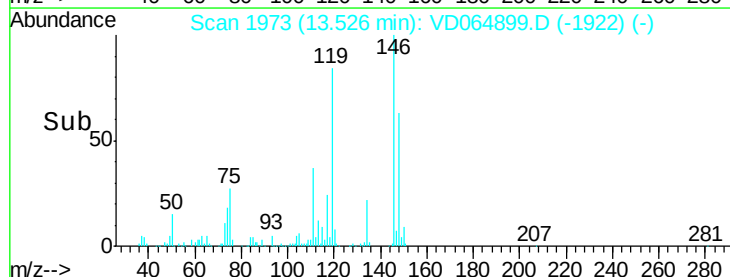
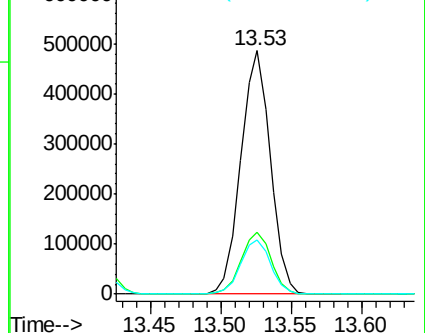
91 22.6 11.2 33.6

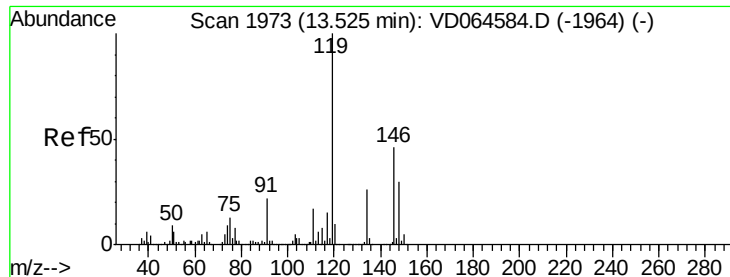


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





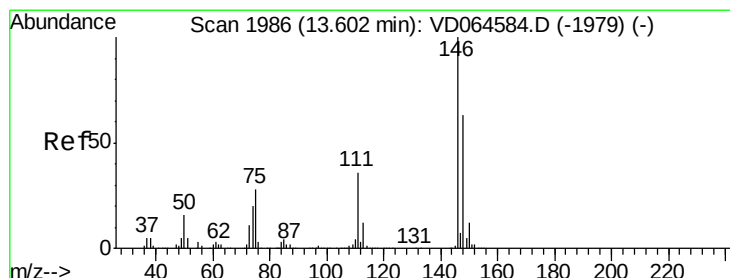
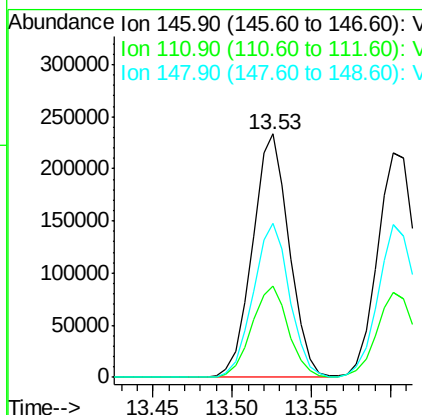
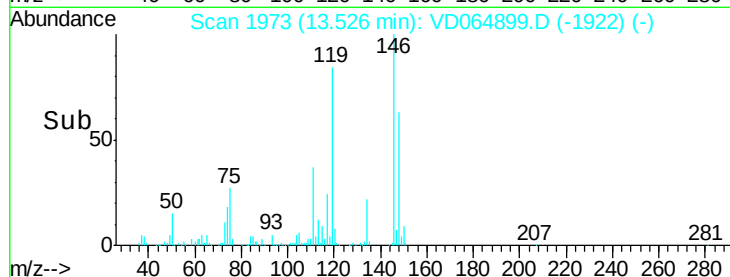
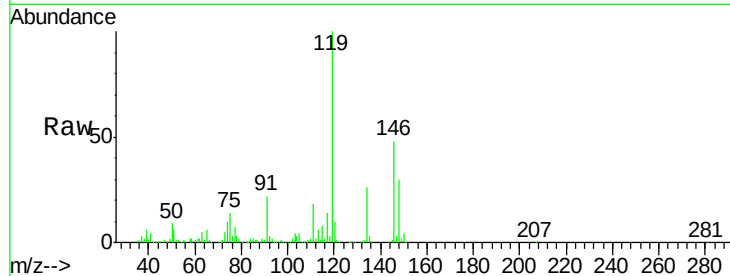
#87
 1,3-Dichlorobenzene
 Concen: 53.718 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.8	56.4
148	62.9	32.5	97.5

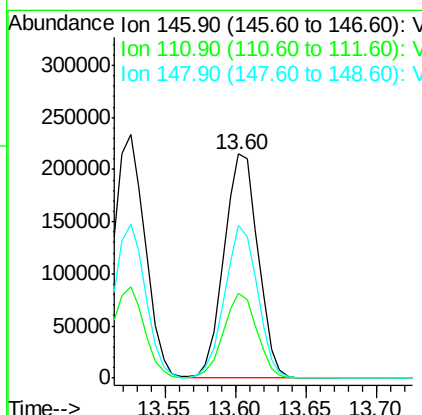
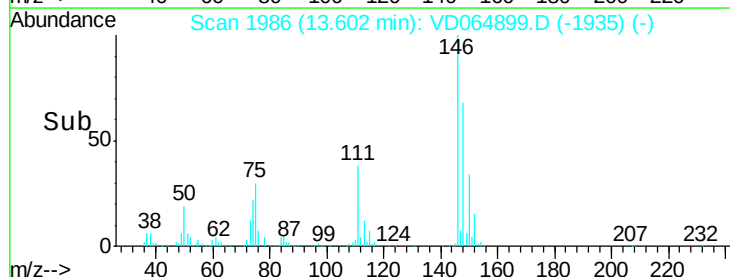
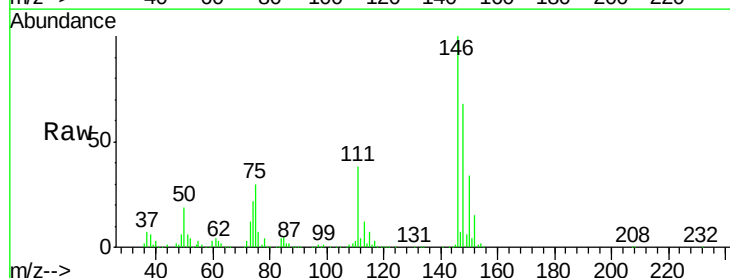
Manual Integrations
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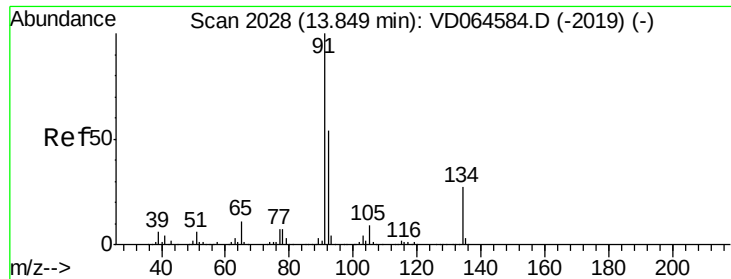
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#88
 1,4-Dichlorobenzene
 Concen: 52.706 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.1	54.1
148	65.6	32.3	96.9





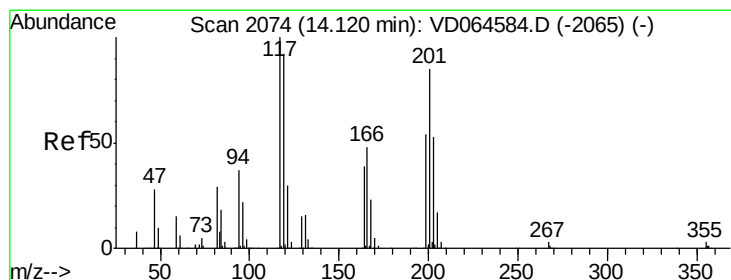
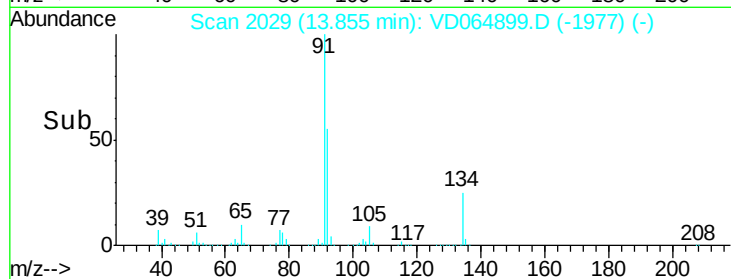
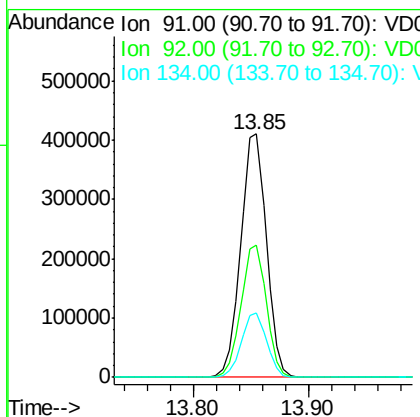
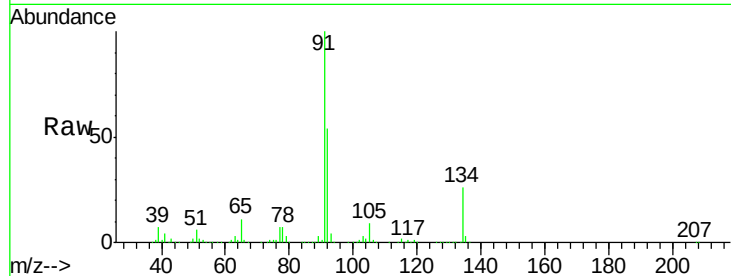
#89
n-Butylbenzene
Concen: 50.299 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	631986		
92	53.6		26.8	80.4
134	26.1		14.0	41.9

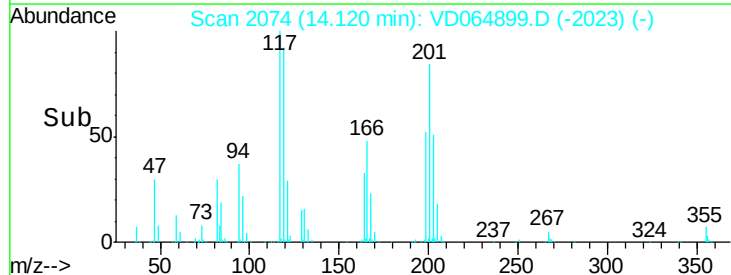
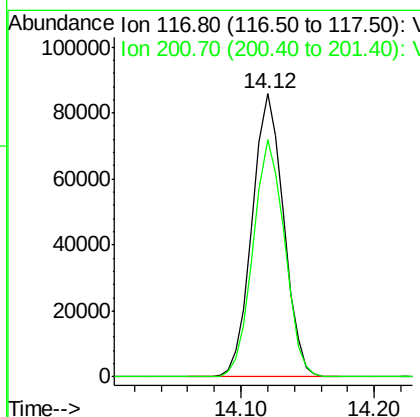
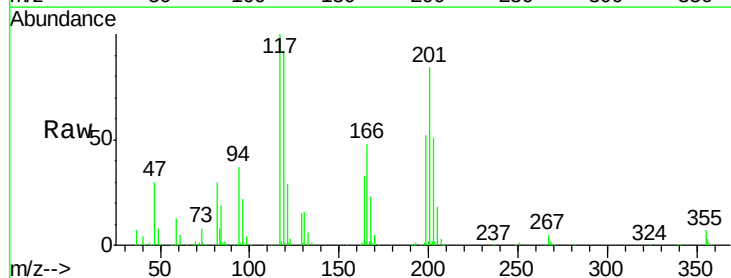
Manual Integrations
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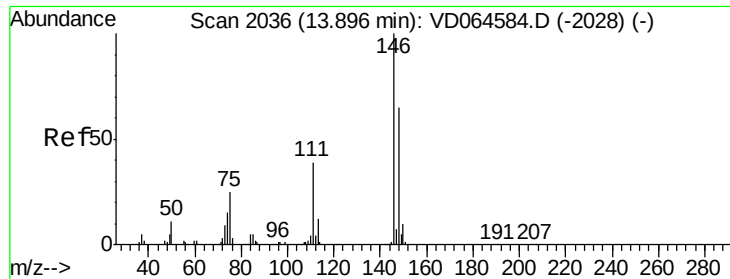
MMDadoda
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#90
Hexachloroethane
Concen: 52.466 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	139833		
201	83.9		44.0	131.8





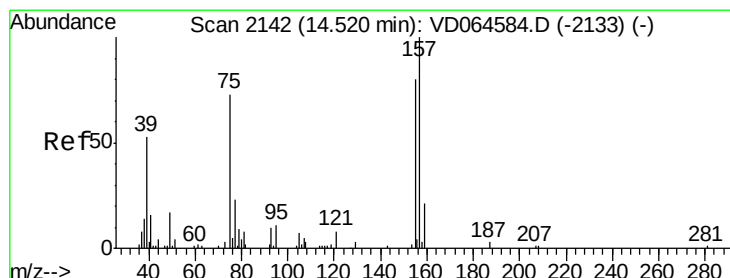
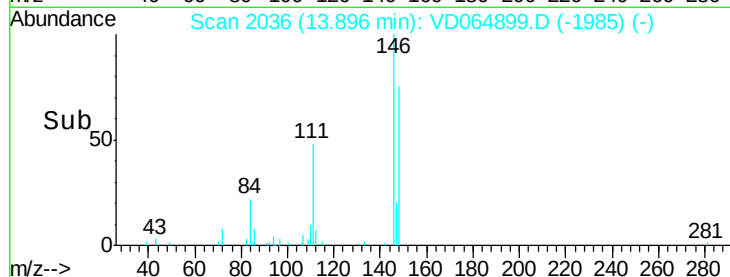
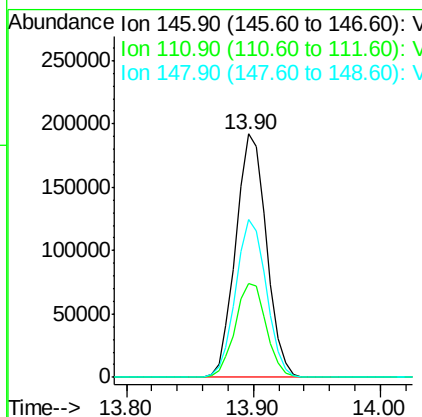
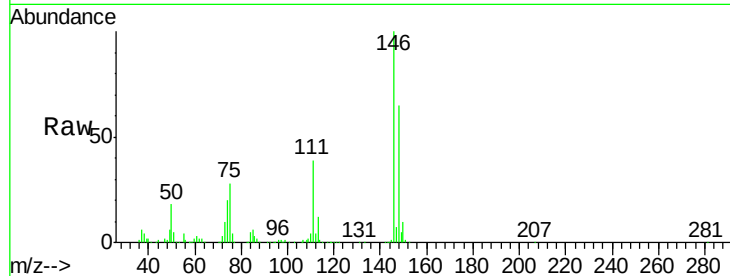
#91
 1,2-Dichlorobenzene
 Concen: 54.106 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	64.8	31.9	95.5

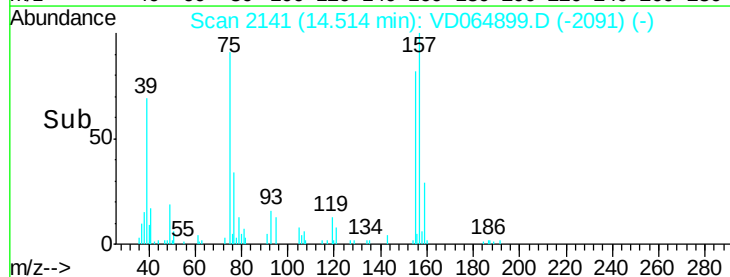
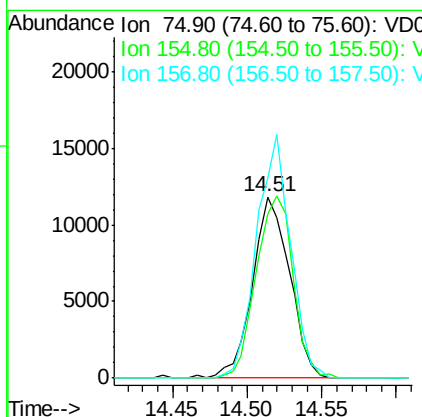
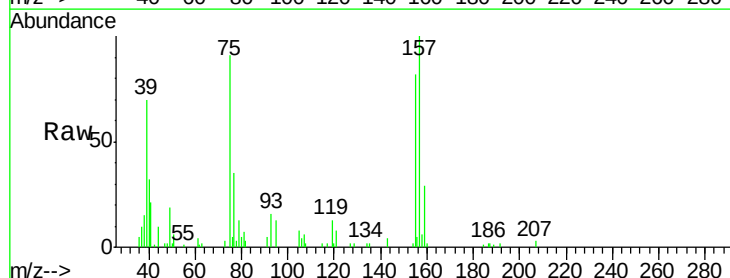
Manual Integrations
 APPROVED

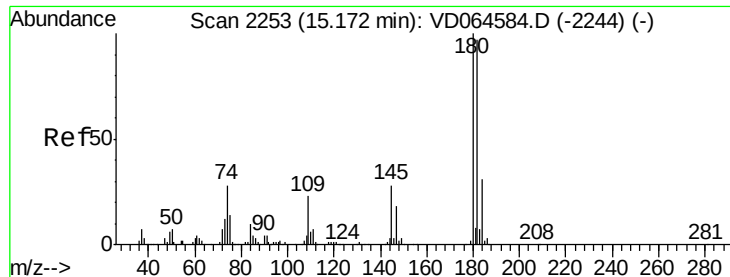
MMDadoda
 1/21/2020 9:23:32 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.508 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064899.D
 Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.0	48.0	144.0
157	122.6	64.1	192.3





#93

1,2,4-Trichlorobenzene

Concen: 51.156 ug/l

RT: 15.17 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

Instrument :

MSVOA_D

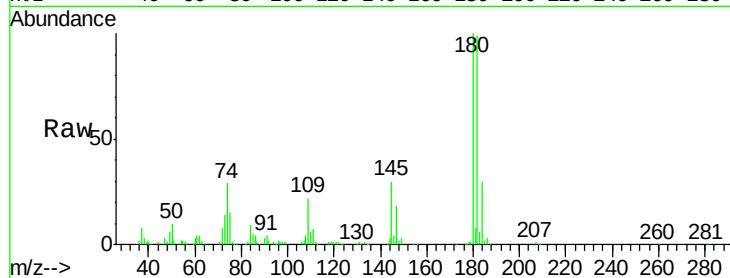
ClientSampleId :

VSTDCCC050EC

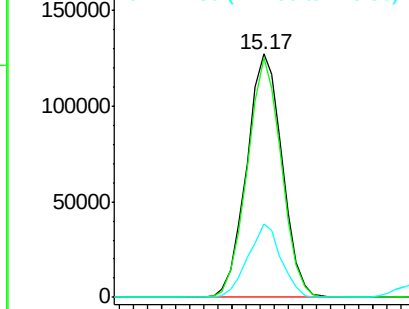
Tot Ion:	180	Resp:	224516
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.0	144.2
145	28.2	13.8	41.4

Manual Integrations
APPROVED

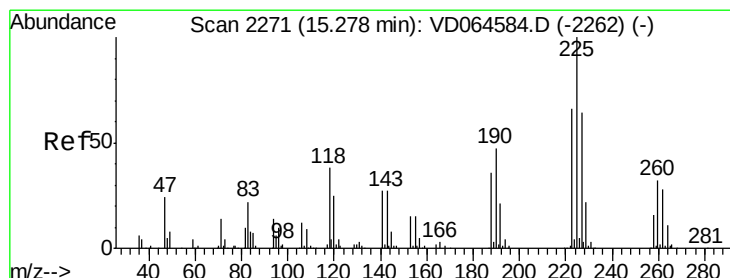
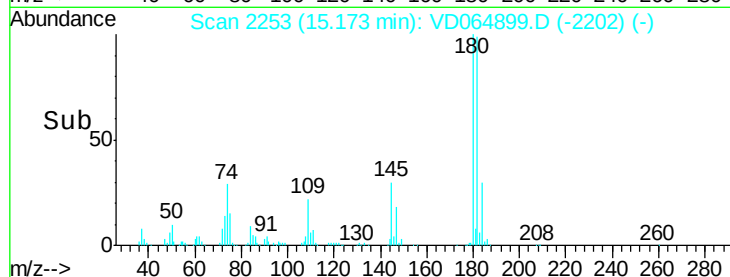
MMDadoda
1/21/2020 9:23:32 AM



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



Time-->



#94

Hexachlorobutadiene

Concen: 48.310 ug/l

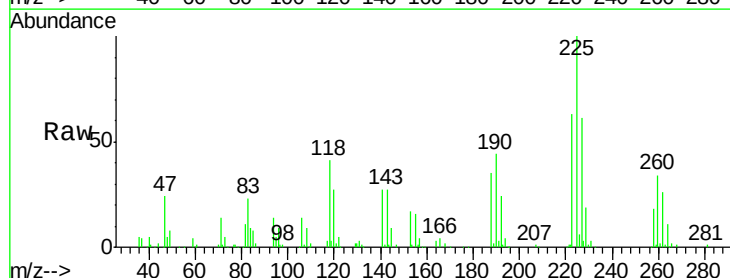
RT: 15.28 min Scan# 2271

Delta R.T. 0.00 min

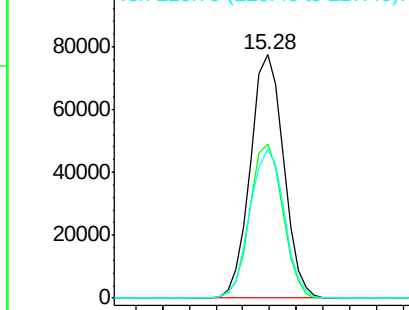
Lab File: VD064899.D

Acq: 20 Jan 2020 19:24

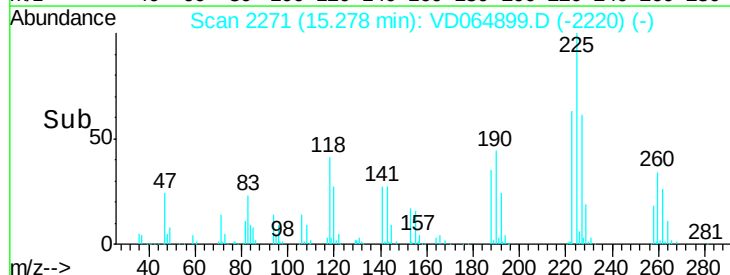
Tgt Ion:	225	Resp:	133420
Ion Ratio	Lower	Upper	
225	100		
223	62.9	31.1	93.2
227	62.9	30.9	92.7

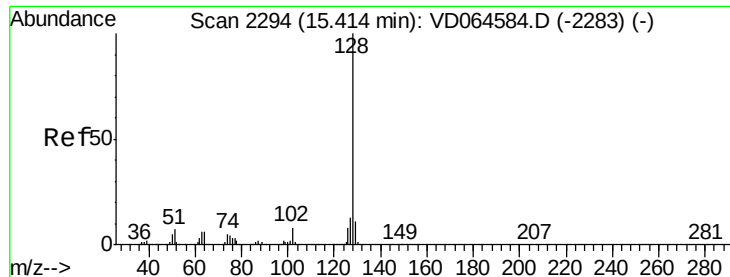


Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



Time-->





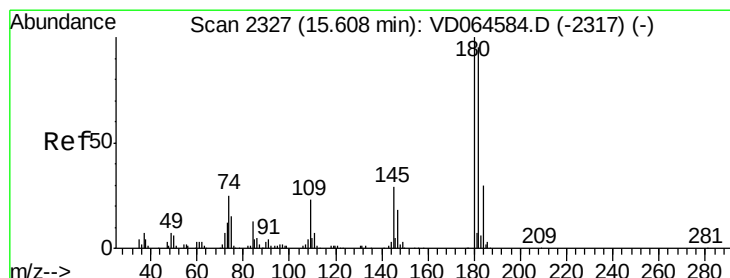
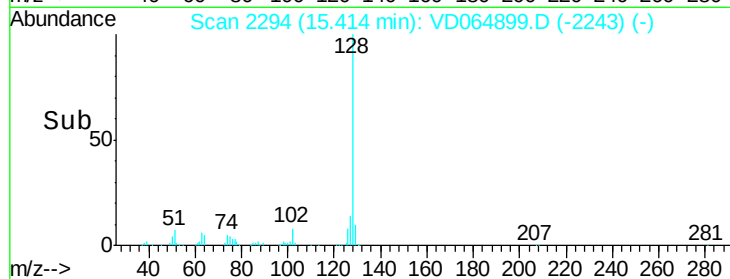
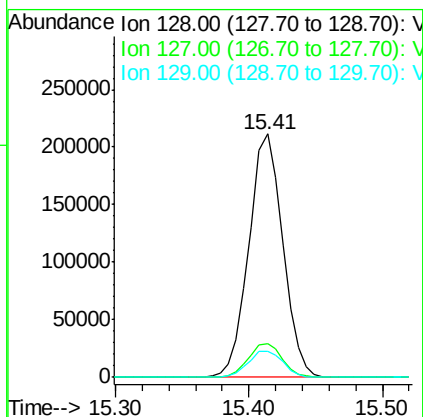
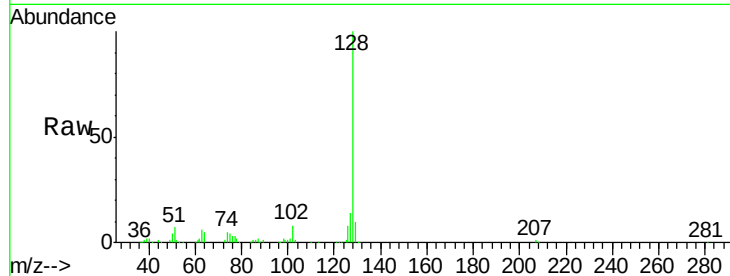
#95
Naphthalene
Concen: 53.522 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	11.0	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/21/2020 9:23:32 AM



#96
1,2,3-Trichlorobenzene
Concen: 52.857 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064899.D
Acq: 20 Jan 2020 19:24

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.9	143.7
145	29.1	14.9	44.7

