

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\
 Data File : VD064955.D
 Acq On : 24 Jan 2020 20:59
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/27/2020 12:03:19 PM

Quant Time: Jan 25 03:39:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	426649	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	648586	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	579871	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	286680	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	214993	52.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.06%	
35) Dibromofluoromethane	7.92	113	205162	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.34	98	789938	50.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.44%	
62) 4-Bromofluorobenzene	12.64	95	248703	51.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	155362	48.337	ug/l	99
3) Chloromethane	2.21	50	240834	51.124	ug/l	100
4) Vinyl Chloride	2.35	62	266403	49.238	ug/l	100
5) Bromomethane	2.77	94	183365	50.381	ug/l	96
6) Chloroethane	2.92	64	178278	49.980	ug/l	98
7) Trichlorofluoromethane	3.27	101	408286	48.861	ug/l	99
8) Diethyl Ether	3.71	74	93588	49.613	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	184661	47.500	ug/l	99
10) Methyl Iodide	4.29	142	214705	52.030	ug/l	99
11) Tert butyl alcohol	5.25	59	53044	234.549	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	180351	48.561	ug/l	98
13) Acrolein	3.93	56	72883	257.076	ug/l	91
14) Allyl chloride	4.71	41	308576	52.095	ug/l	99
15) Acrylonitrile	5.43	53	213639	261.533	ug/l	99
16) Acetone	4.17	43	164711	164.541	ug/l	100
17) Carbon Disulfide	4.40	76	597502	48.884	ug/l	99
18) Methyl Acetate	4.73	43	98900	51.599	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	448817	54.085	ug/l	97
20) Methylene Chloride	4.96	84	207744	52.525	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	213892	49.988	ug/l	100
22) Diisopropyl ether	6.37	45	629434	53.321	ug/l	99
23) Vinyl Acetate	6.31	43	1873834	271.120	ug/l	99
24) 1,1-Dichloroethane	6.27	63	373284	51.503	ug/l	98
25) 2-Butanone	7.22	43	266713	241.229	ug/l	98
26) 2,2-Dichloropropane	7.21	77	309347	47.055	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	239894	52.528	ug/l	97
28) Bromochloromethane	7.55	49	159171	54.913	ug/l	99
29) Tetrahydrofuran	7.57	42	175432	257.162	ug/l	98
30) Chloroform	7.71	83	386719	51.616	ug/l	98
31) Cyclohexane	7.99	56	322154	45.183	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	349516	50.145	ug/l	100
36) 1,1-Dichloropropene	8.11	75	298956	47.801	ug/l	99
37) Ethyl Acetate	7.31	43	129525	50.138	ug/l	98
38) Carbon Tetrachloride	8.10	117	312050	47.206	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	334562	45.756	ug/l	97
40) Benzene	8.36	78	847622	49.209	ug/l	99
41) Methacrylonitrile	7.54	41	83352m	59.895	ug/l	
42) 1,2-Dichloroethane	8.43	62	252678	49.245	ug/l	98
43) Isopropyl Acetate	8.46	43	251230	51.197	ug/l	99
44) Trichloroethene	9.11	130	237636	49.294	ug/l	100
45) 1,2-Dichloropropane	9.39	63	209985	50.287	ug/l	98
46) Dibromomethane	9.48	93	113176	49.644	ug/l	100
47) Bromodichloromethane	9.67	83	302912	51.062	ug/l	99
48) Methyl methacrylate	9.46	41	117660	52.103	ug/l	98
49) 1,4-Dioxane	9.47	88	25428	961.712	ug/l #	91
51) 4-Methyl-2-Pentanone	10.23	43	630287	256.698	ug/l	99
52) Toluene	10.41	92	551668	49.676	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	281659	49.845	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	336521	50.865	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	152971	49.814	ug/l	98
56) Ethyl methacrylate	10.67	69	195085	53.125	ug/l	99
57) 1,3-Dichloropropane	10.95	76	268972	51.067	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	309486	253.679	ug/l	99
59) 2-Hexanone	10.99	43	424942	250.905	ug/l	98
60) Dibromochloromethane	11.14	129	208221	50.732	ug/l	100
61) 1,2-Dibromoethane	11.25	107	150853	51.017	ug/l	97
64) Tetrachloroethene	10.88	164	196760	46.956	ug/l	98
65) Chlorobenzene	11.67	112	585111	49.697	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	220991	49.910	ug/l	99
67) Ethyl Benzene	11.75	91	1029797	49.268	ug/l	99
68) m/p-Xylenes	11.86	106	803470	99.838	ug/l	99
69) o-Xylene	12.18	106	360404	50.459	ug/l	100
70) Styrene	12.20	104	655085	51.487	ug/l	99
71) Bromoform	12.37	173	124590	50.619	ug/l #	100
73) Isopropylbenzene	12.48	105	959142	48.950	ug/l	100
74) N-amyl acetate	12.30	43	223979	51.083	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	162529	49.352	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	108031m	45.401	ug/l	
77) Bromobenzene	12.77	156	238892	49.829	ug/l	99
78) n-propylbenzene	12.83	91	1122946	48.190	ug/l	99
79) 2-Chlorotoluene	12.91	91	625639	48.942	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	790904	49.255	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	55174	49.511	ug/l	97
82) 4-Chlorotoluene	13.01	91	664675	49.029	ug/l	99
83) tert-Butylbenzene	13.23	119	659055	48.365	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	801832	49.294	ug/l	100
85) sec-Butylbenzene	13.41	105	913947	47.369	ug/l	99
86) p-Isopropyltoluene	13.53	119	870035	48.189	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	451442	49.077	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	440489	48.247	ug/l	99
89) n-Butylbenzene	13.86	91	784846	47.633	ug/l	100
90) Hexachloroethane	14.12	117	162460	46.661	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	384204	49.198	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	24501	46.490	ug/l	94

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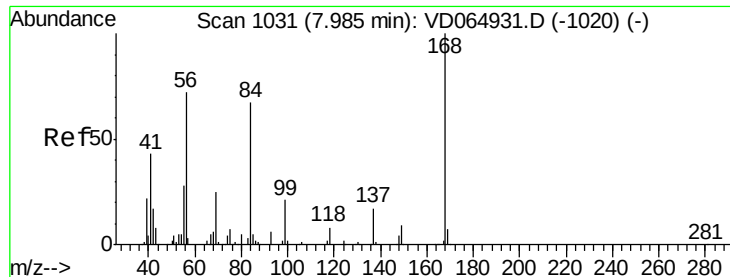
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	260384	48.196	ug/l	99
94) Hexachlorobutadiene	15.28	225	152297	44.566	ug/l	98
95) Naphthalene	15.41	128	450209	51.634	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	228616	48.804	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 426649

Ion Ratio Lower Upper

168 100

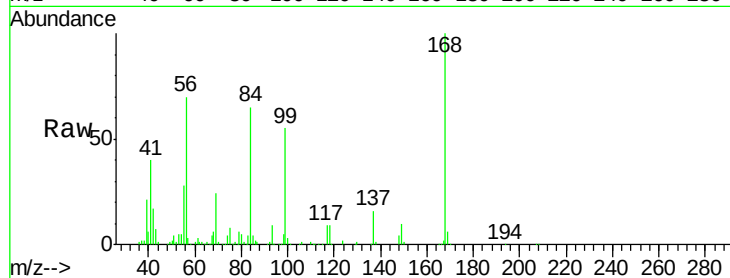
99 54.4 43.3 64.9

Manual Integrations

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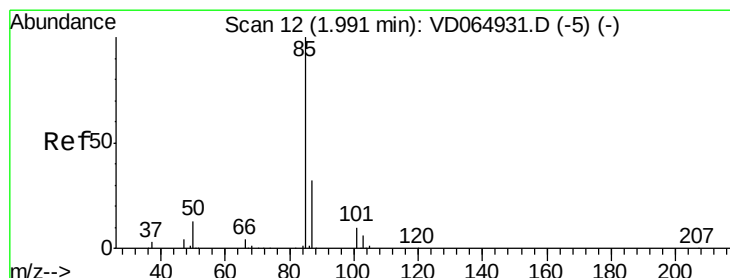
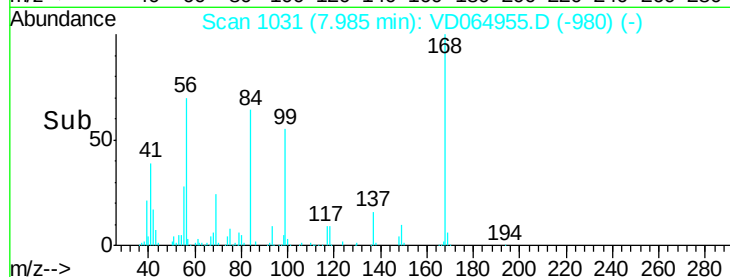
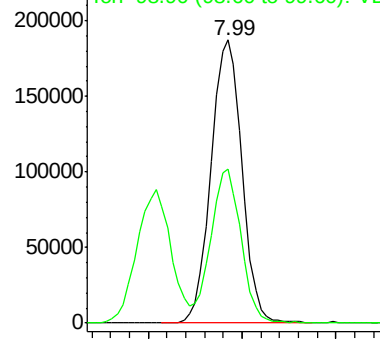
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 48.337 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064955.D

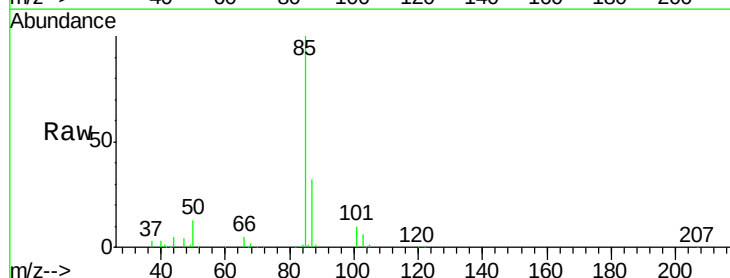
Acq: 24 Jan 2020 20:59

Tgt Ion: 85 Resp: 155362

Ion Ratio Lower Upper

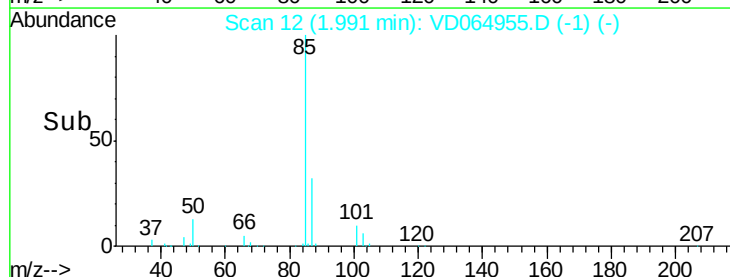
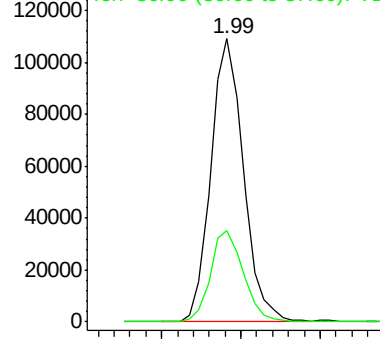
85 100

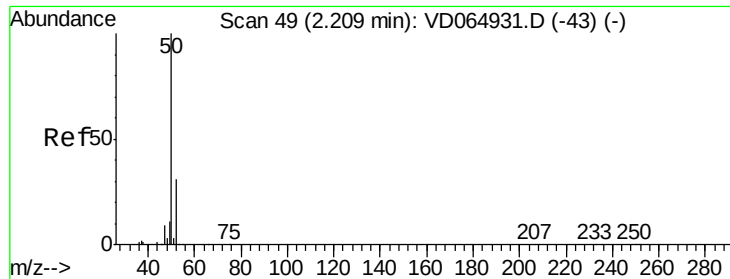
87 32.2 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 51.124 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 240834

Ion Ratio Lower Upper

50 100

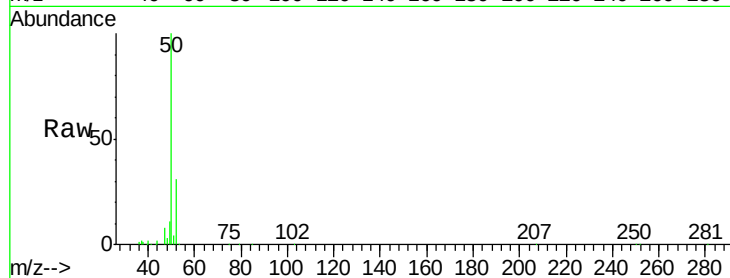
52 30.8 24.6 36.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

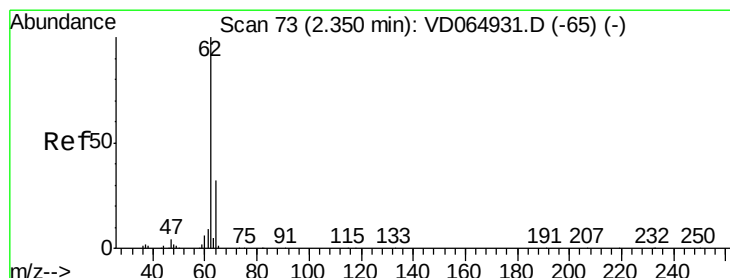
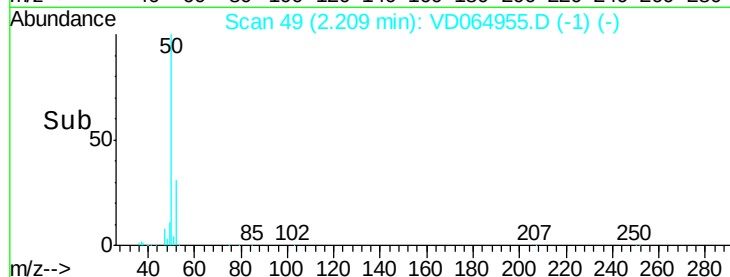
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.238 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064955.D

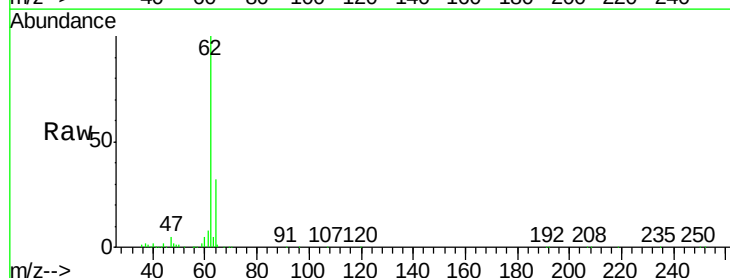
Acq: 24 Jan 2020 20:59

Tgt Ion: 62 Resp: 266403

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

200000

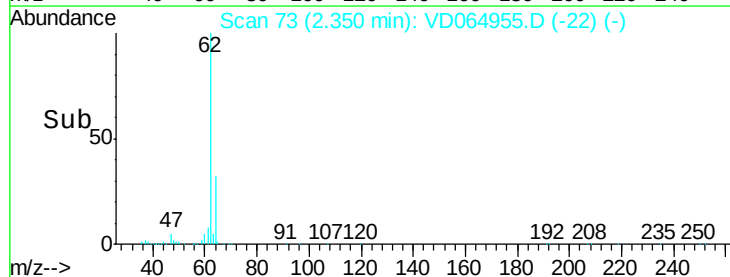
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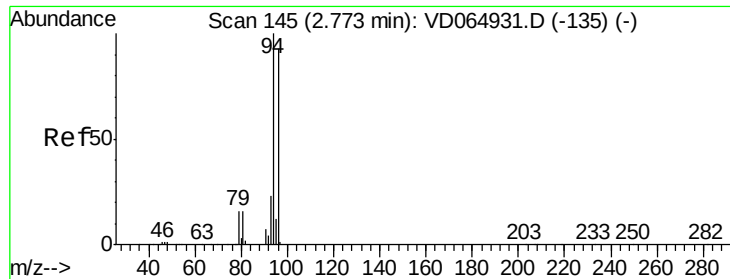
100000

50000

0

Time-->





#5

Bromomethane

Concen: 50.381 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 183365

Ion Ratio Lower Upper

94 100

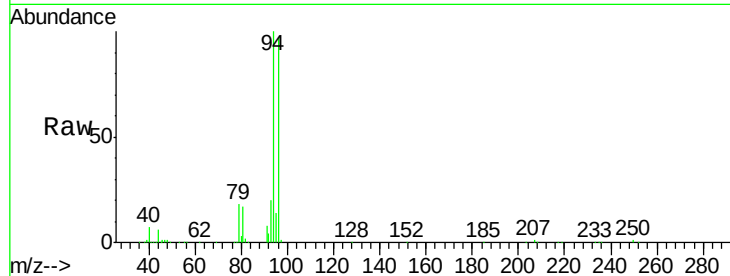
96 96.6 74.6 111.8

Manual Integrations

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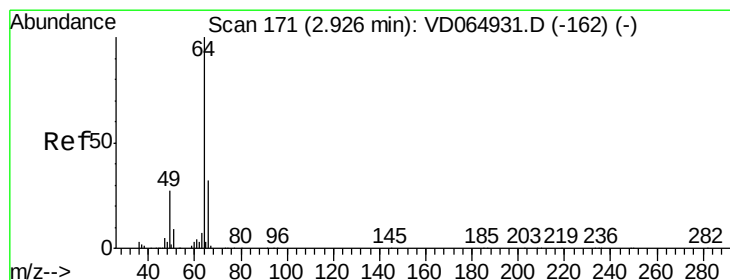
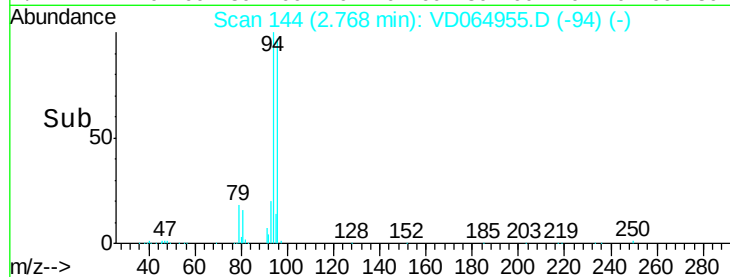
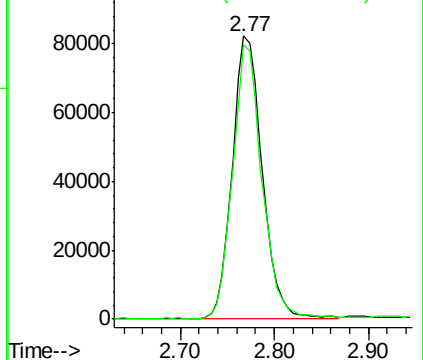
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.980 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064955.D

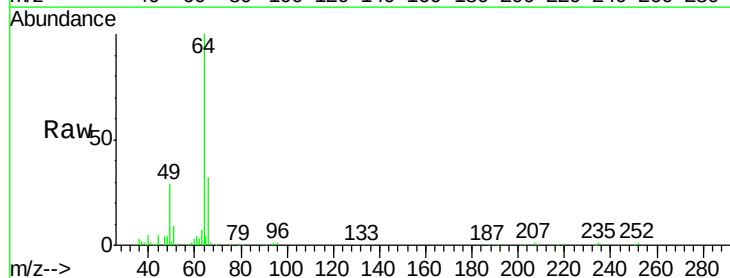
Acq: 24 Jan 2020 20:59

Tgt Ion: 64 Resp: 178278

Ion Ratio Lower Upper

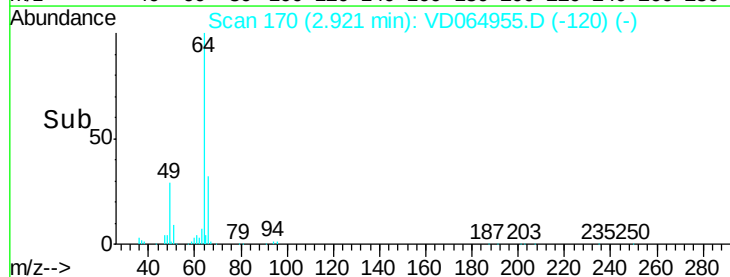
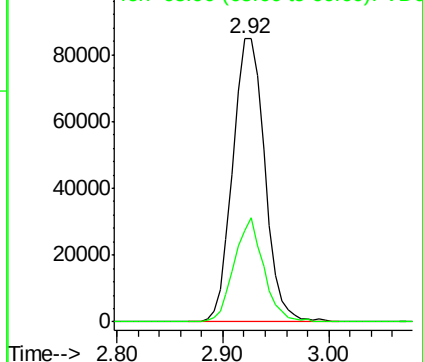
64 100

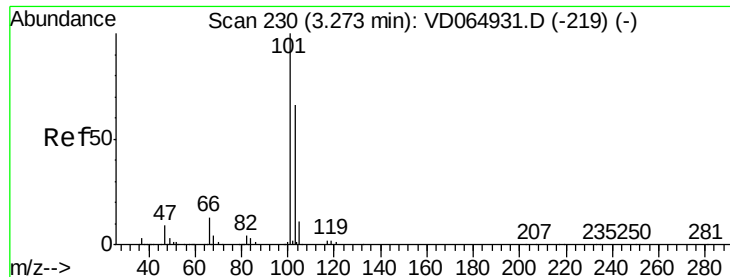
66 32.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

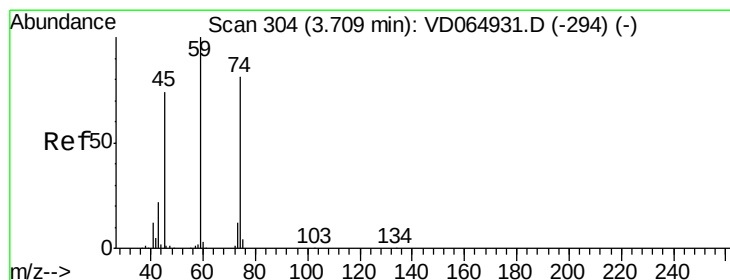
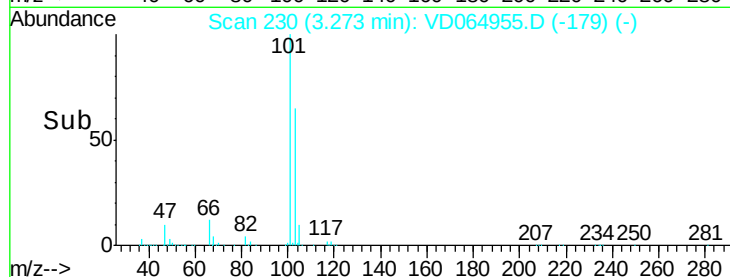
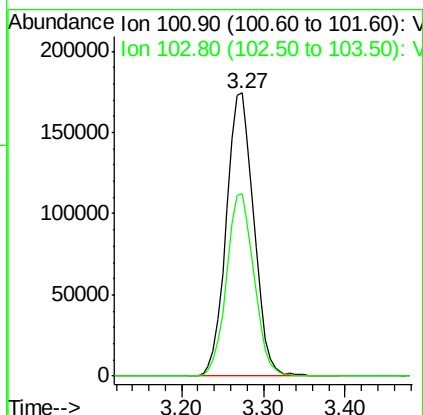
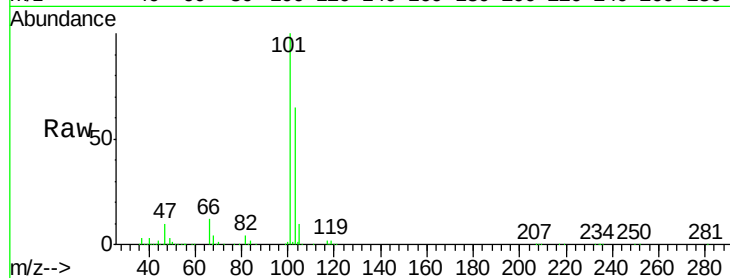
Trichlorofluoromethane
Concen: 48.861 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	52.5	78.7

Manual Integrations
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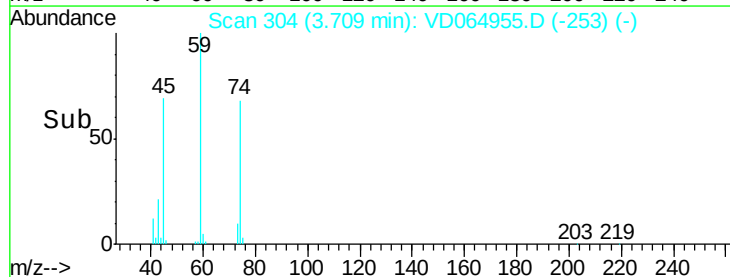
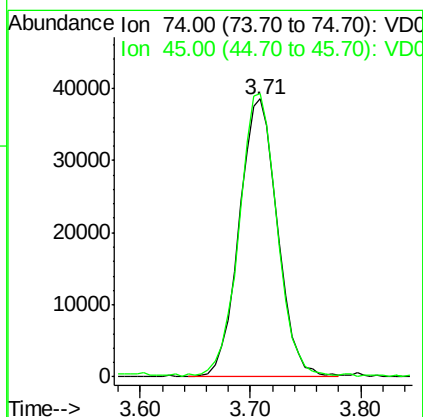
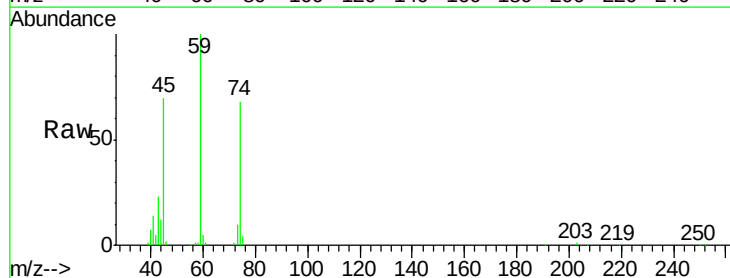
MMDadoda
1/27/2020 12:03:19 PM

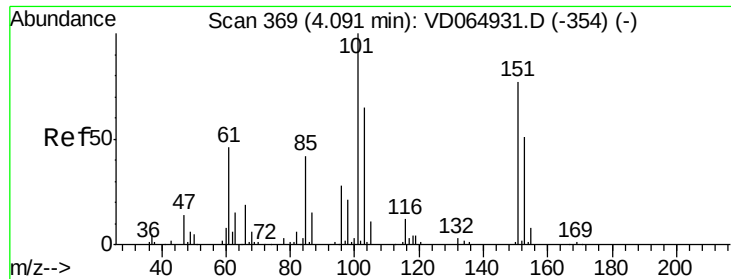


#8

Diethyl Ether
Concen: 49.613 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.6	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.500 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

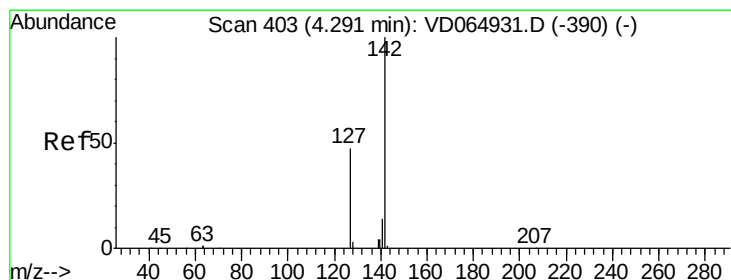
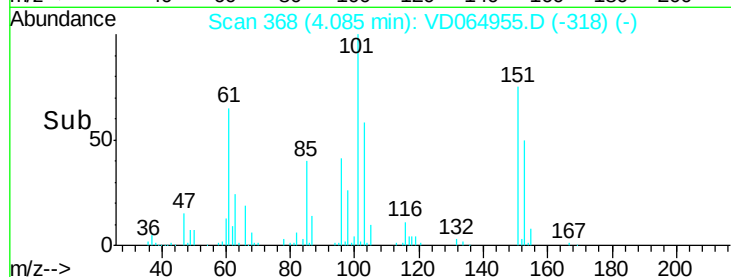
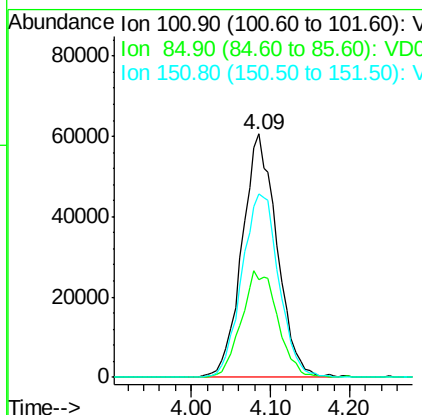
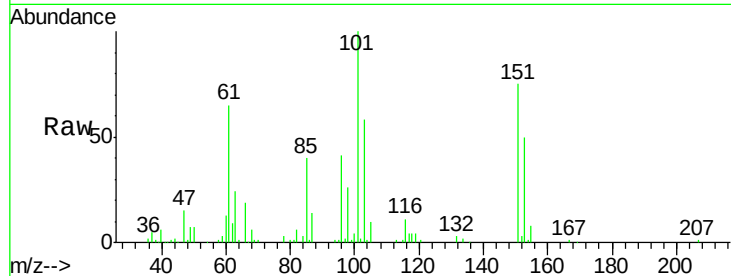
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	184661
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.0	52.4
151	80.0	64.6	96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 52.030 ug/l

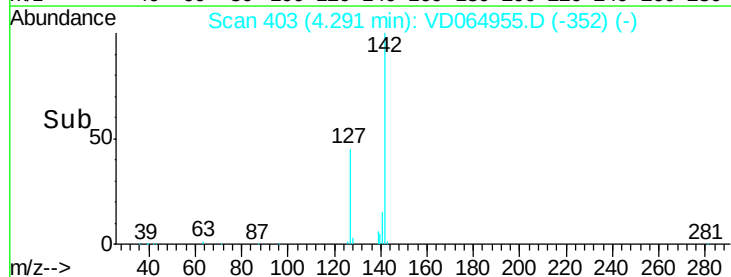
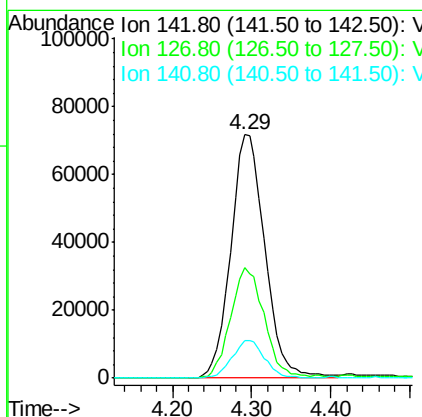
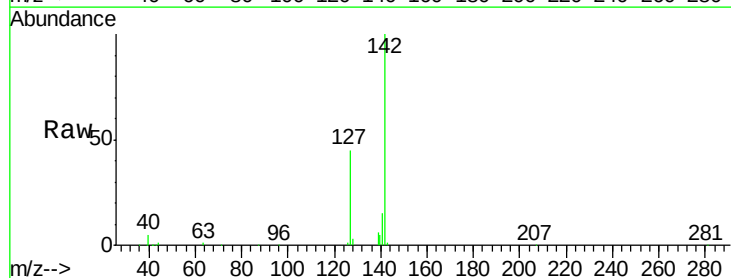
RT: 4.29 min Scan# 403

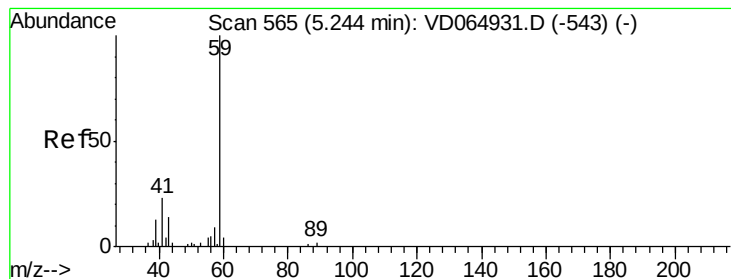
Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Tgt Ion:	142	Resp:	214705
Ion Ratio	Lower	Upper	
142	100		
127	44.5	36.2	54.2
141	14.9	11.6	17.4





#11

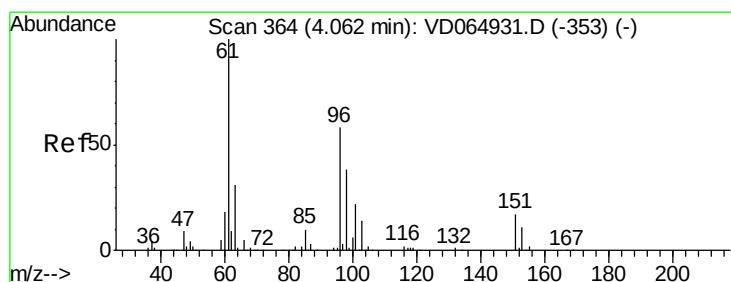
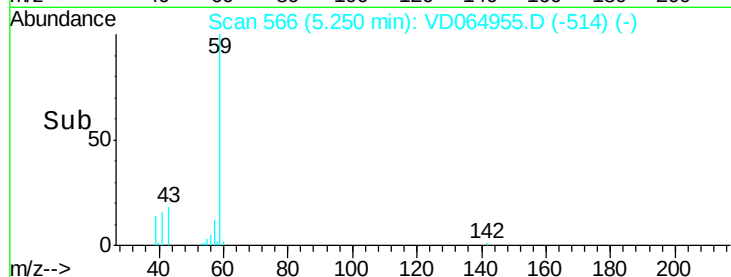
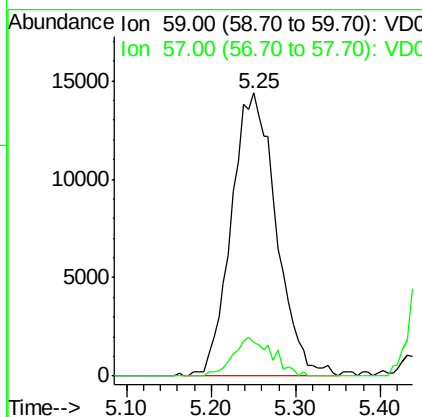
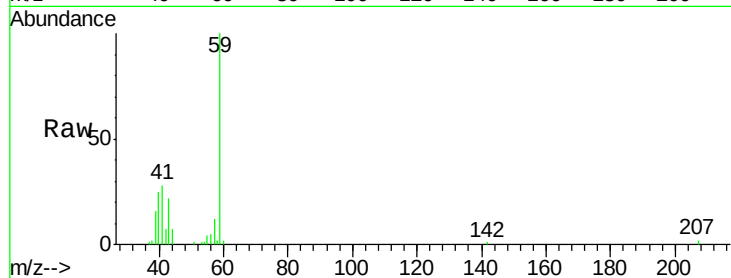
Tert butyl alcohol
 Concen: 234.549 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 59 Resp: 53044
 Ion Ratio Lower Upper
 59 100
 57 11.9 7.7 11.5#

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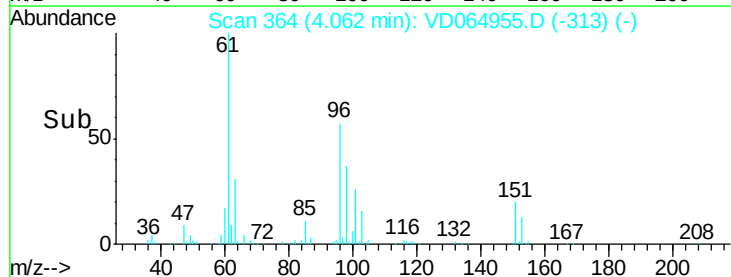
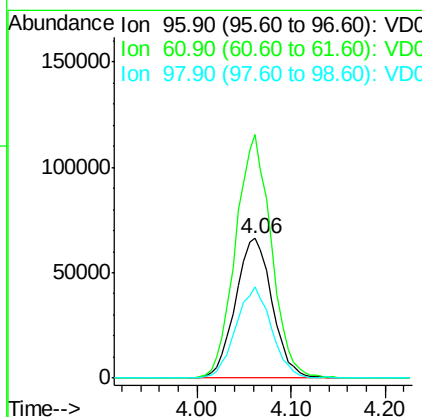
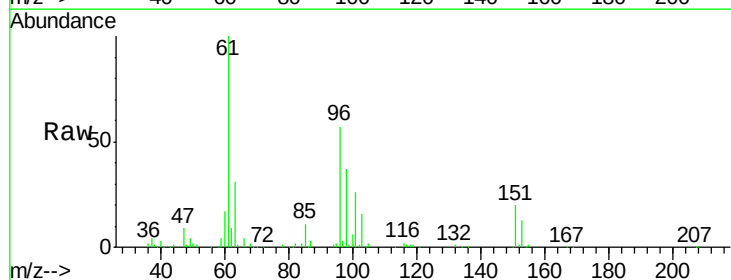
MMDadoda
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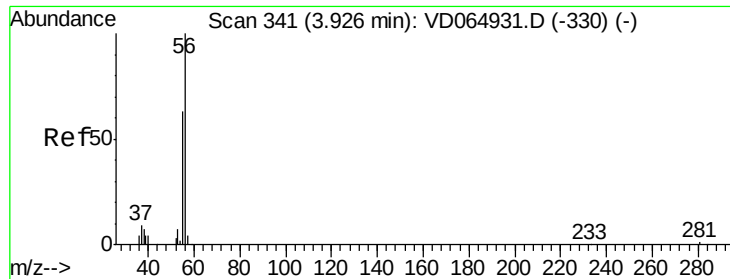


#12

1,1-Dichloroethene
 Concen: 48.561 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Tgt Ion: 96 Resp: 180351
 Ion Ratio Lower Upper
 96 100
 61 174.2 137.0 205.4
 98 65.0 52.1 78.1





#13

Acrolein

Concen: 257.076 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 72883

Ion Ratio Lower Upper

56 100

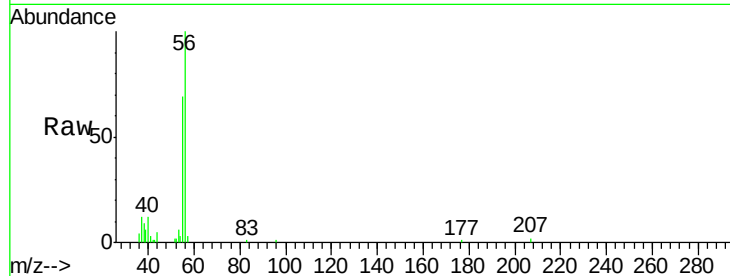
55 67.3 59.7 89.5

Manual Integrations

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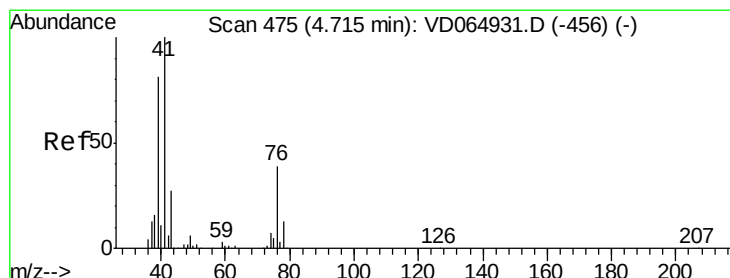
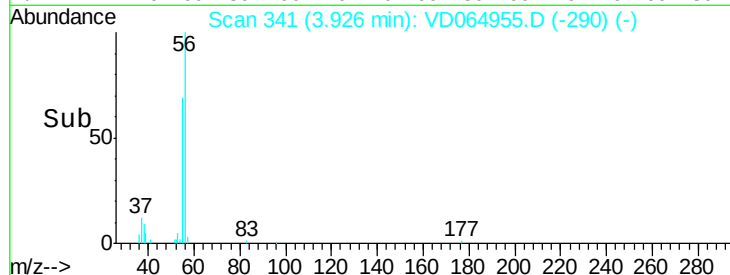
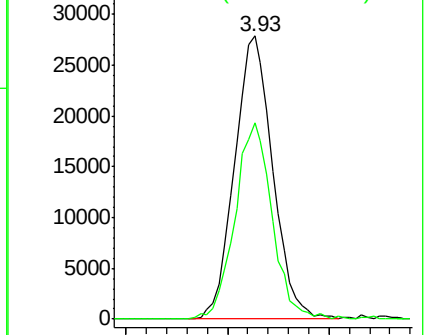
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 52.095 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

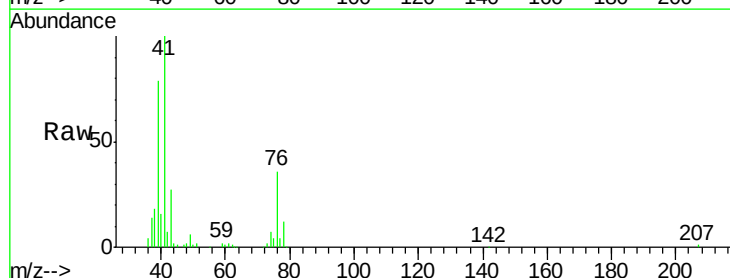
Tgt Ion: 41 Resp: 308576

Ion Ratio Lower Upper

41 100

39 76.9 62.0 93.0

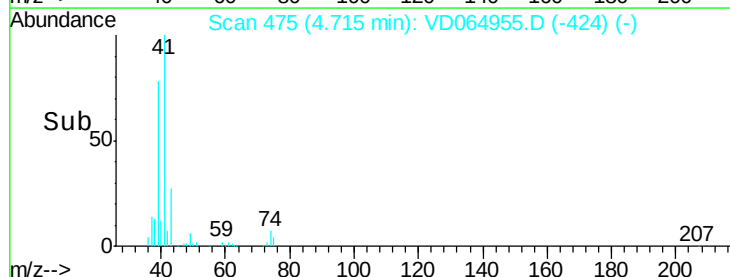
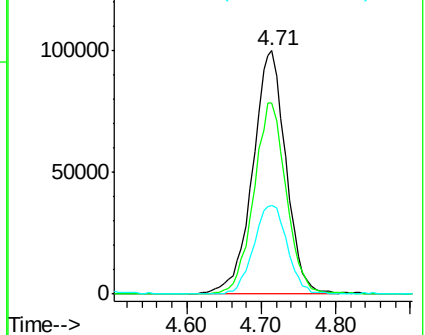
76 36.9 29.3 43.9

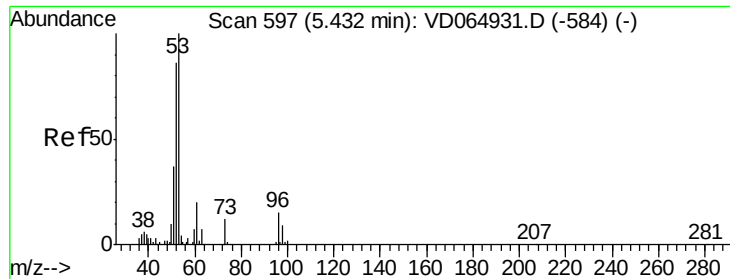


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 261.533 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

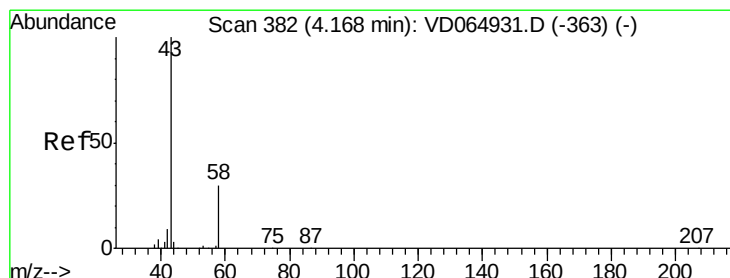
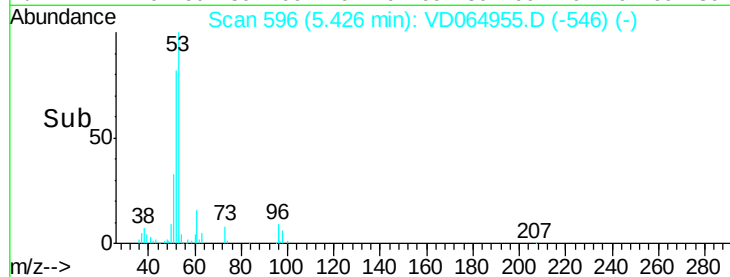
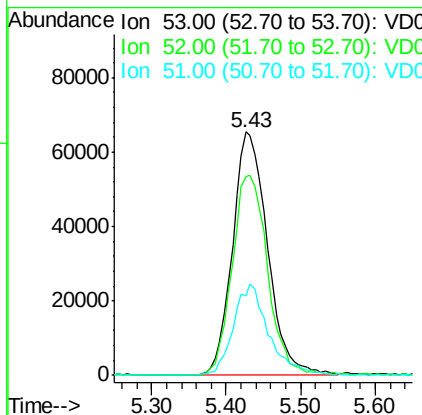
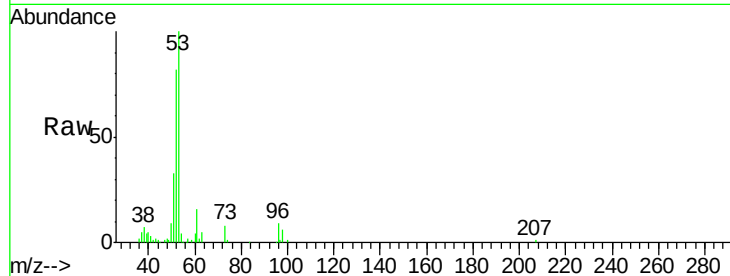
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	213639
Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.7	100.1
51	37.9	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 164.541 ug/l

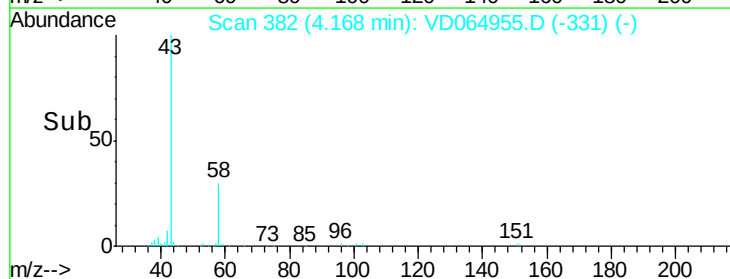
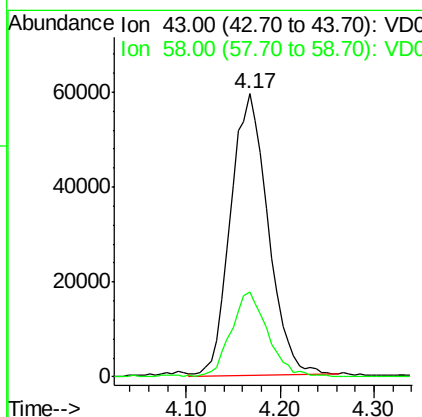
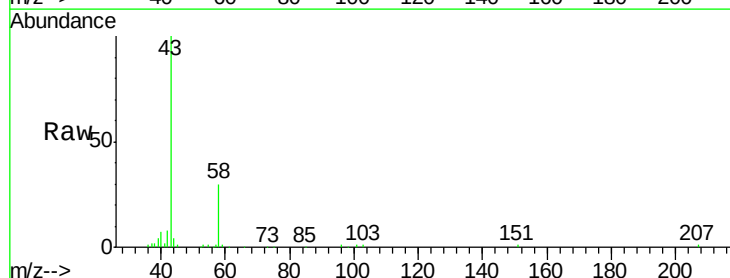
RT: 4.17 min Scan# 382

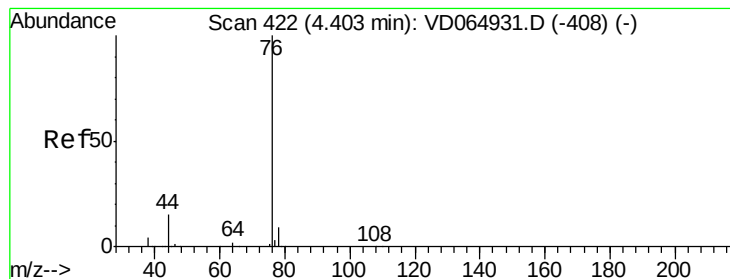
Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Tgt Ion:	43	Resp:	164711
Ion	Ratio	Lower	Upper
43	100		
58	29.7	23.8	35.8





#17

Carbon Disulfide

Concen: 48.884 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 597502

Ion Ratio Lower Upper

76 100

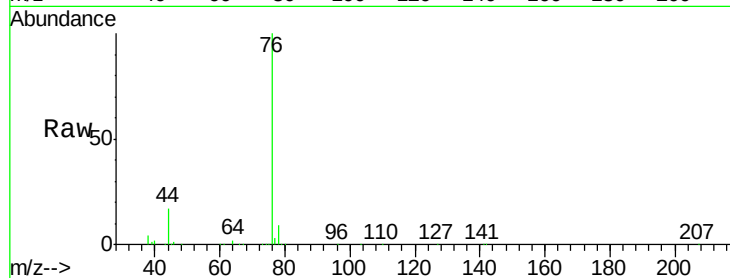
78 9.3 7.1 10.7

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

250000

200000

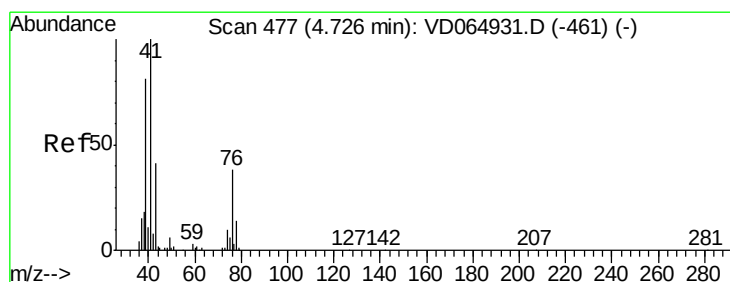
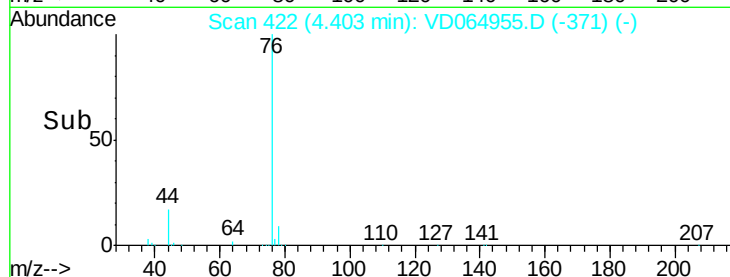
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50 4.60



#18

Methyl Acetate

Concen: 51.599 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064955.D

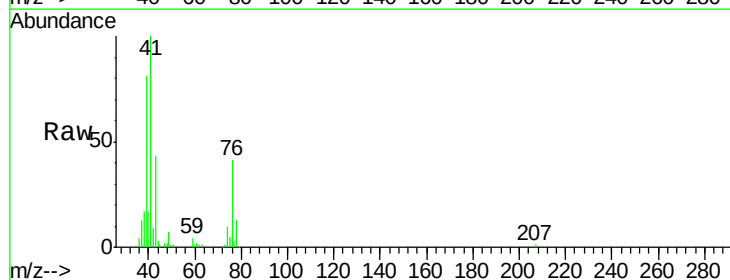
Acq: 24 Jan 2020 20:59

Tgt Ion: 43 Resp: 98900

Ion Ratio Lower Upper

43 100

74 23.8 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

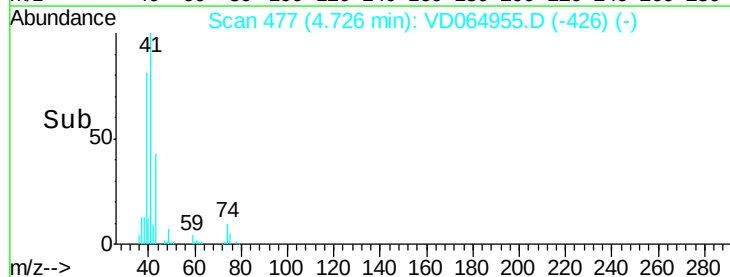
30000

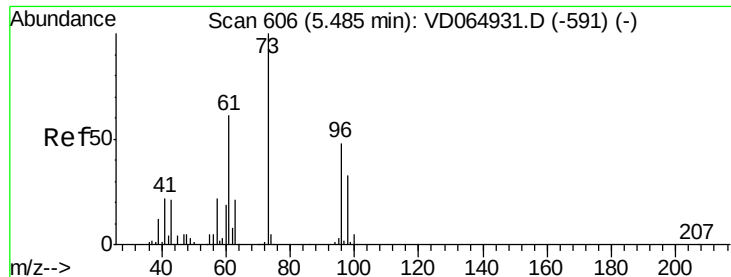
20000

10000

0

Time--> 4.60 4.70 4.80





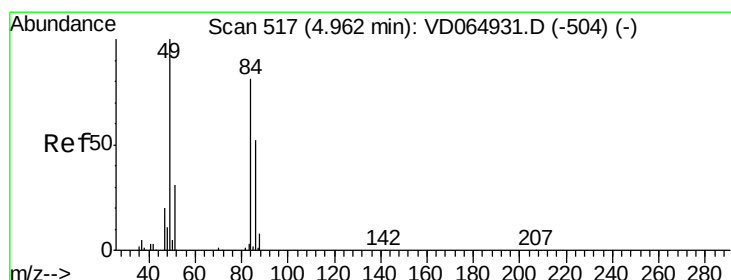
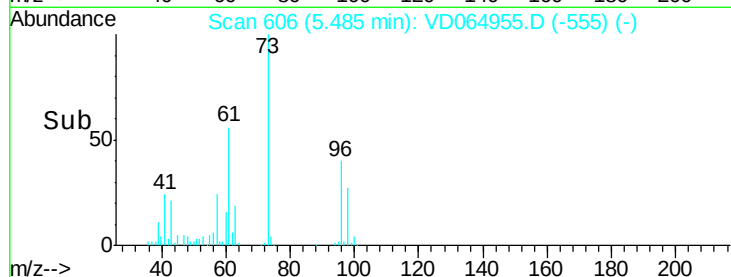
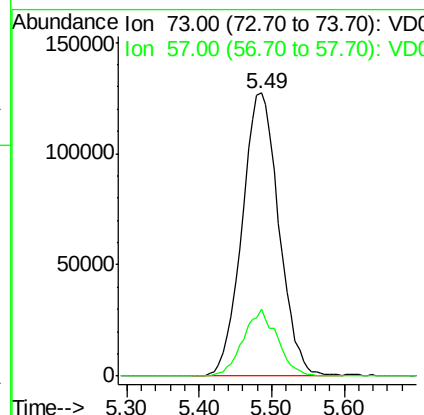
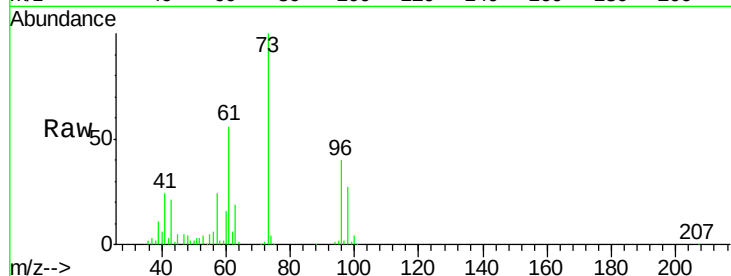
#19
Methyl tert-butyl Ether
Concen: 54.085 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 448817
Ion Ratio Lower Upper
73 100
57 23.7 17.9 26.9

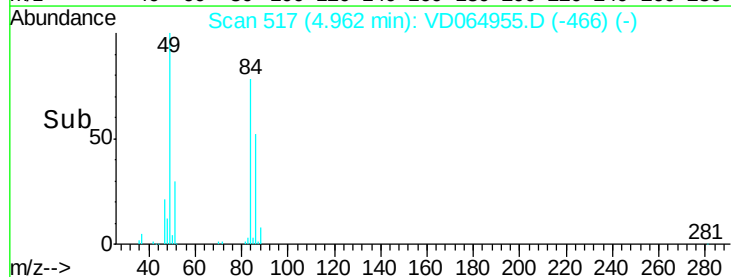
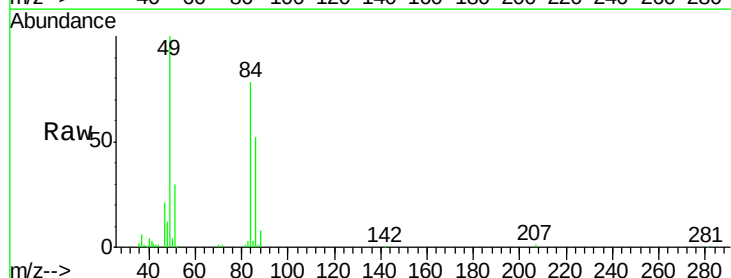
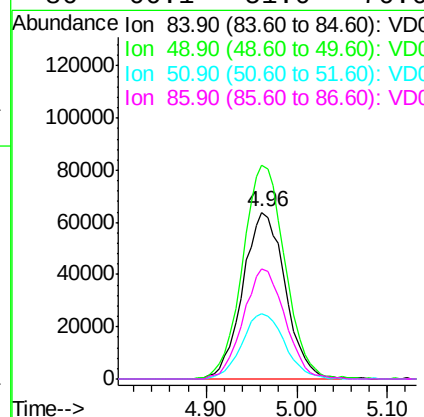
Manual Integrations
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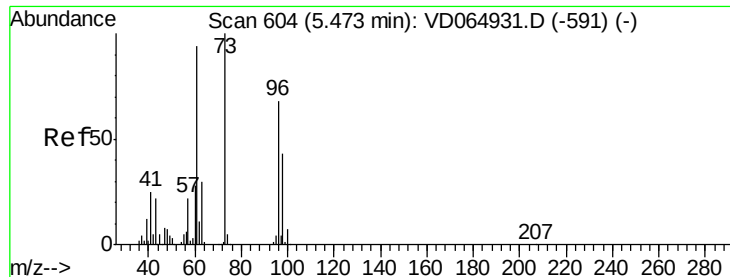
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#20
Methylene Chloride
Concen: 52.525 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion: 84 Resp: 207744
Ion Ratio Lower Upper
84 100
49 128.2 98.4 147.6
51 38.9 30.8 46.2
86 66.1 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.988 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

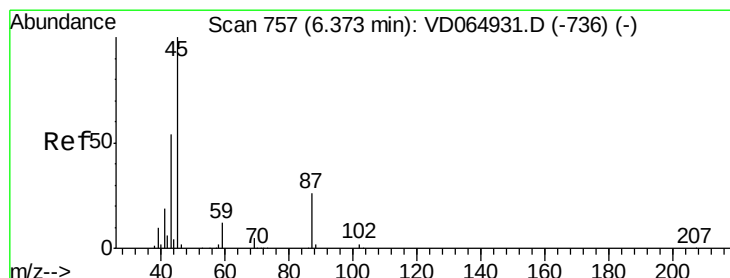
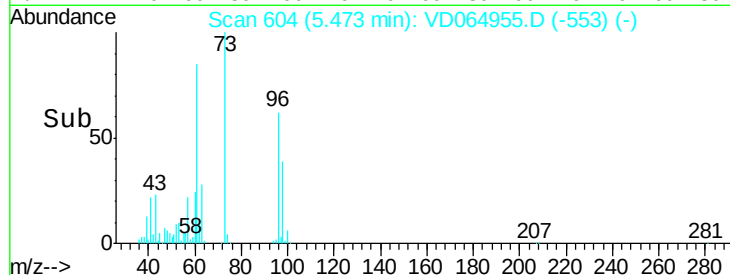
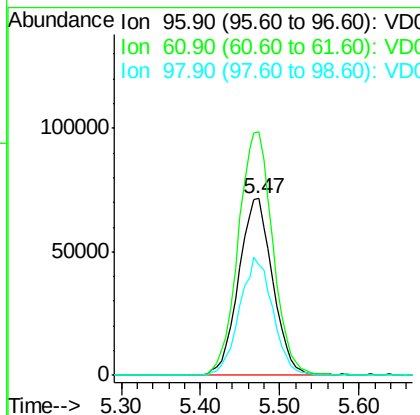
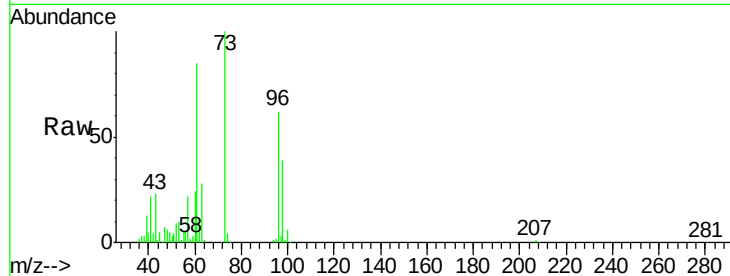
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	213892
Ion	Ratio	Lower	Upper
96	100		
61	137.8	110.4	165.6
98	62.7	50.5	75.7

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#22

Diisopropyl ether

Concen: 53.321 ug/l

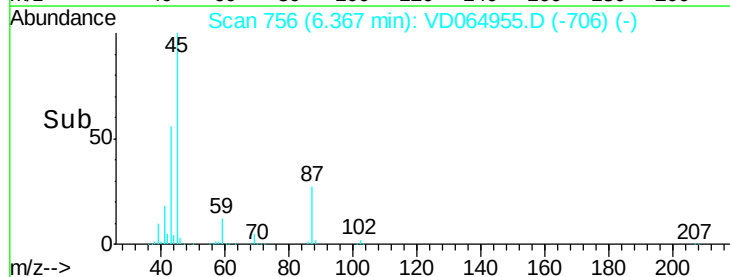
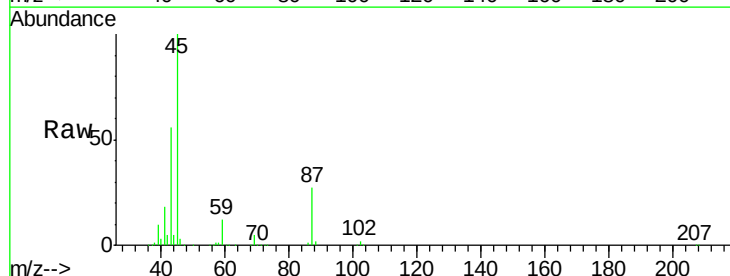
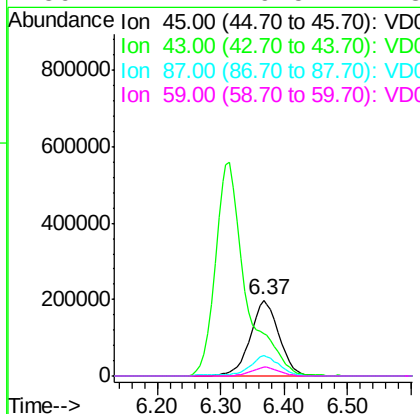
RT: 6.37 min Scan# 756

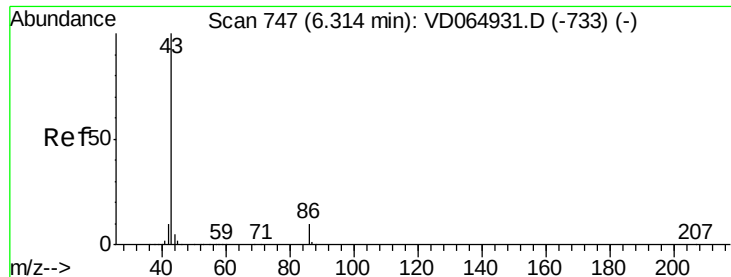
Delta R.T. -0.01 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Tgt Ion:	45	Resp:	629434
Ion	Ratio	Lower	Upper
45	100		
43	55.3	43.1	64.7
87	26.4	21.4	32.2
59	12.4	9.5	14.3





#23

Vinyl Acetate

Concen: 271.120 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1873834

Ion Ratio Lower Upper

43 100

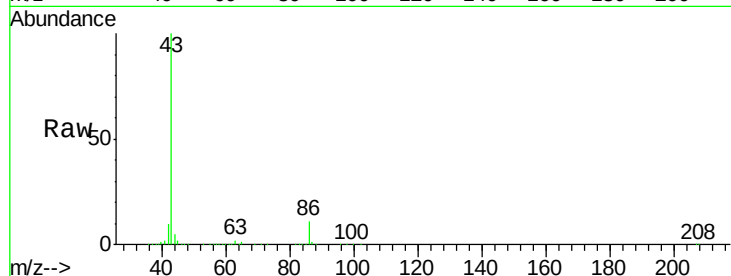
86 10.8 8.3 12.5

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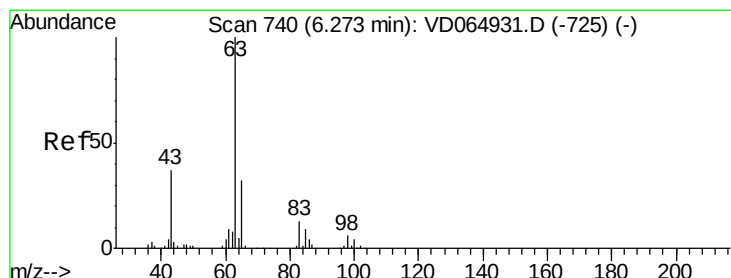
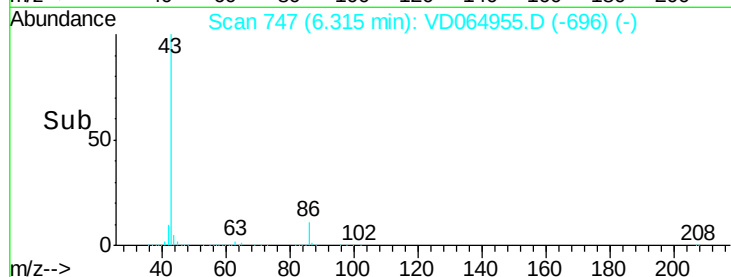
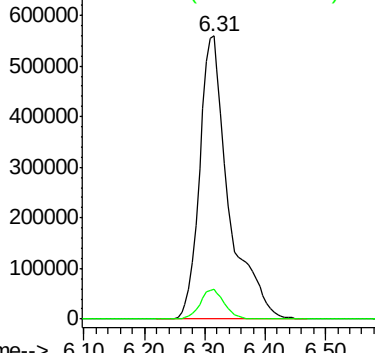
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.503 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

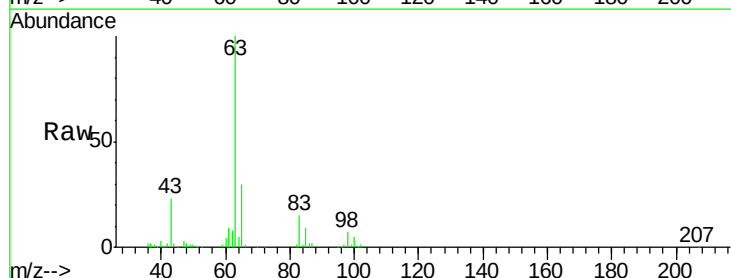
Tgt Ion: 63 Resp: 373284

Ion Ratio Lower Upper

63 100

98 7.3 3.1 9.3

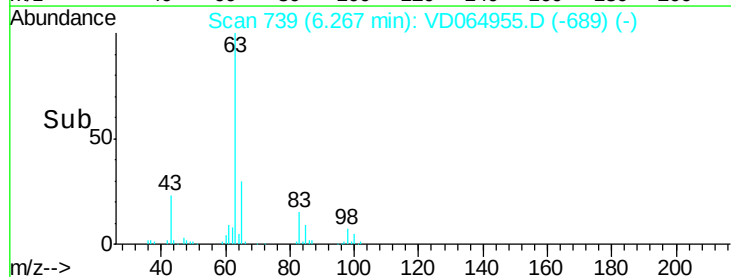
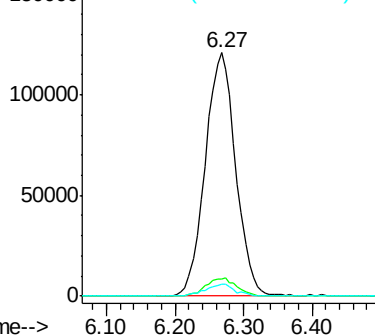
100 4.9 2.3 6.8

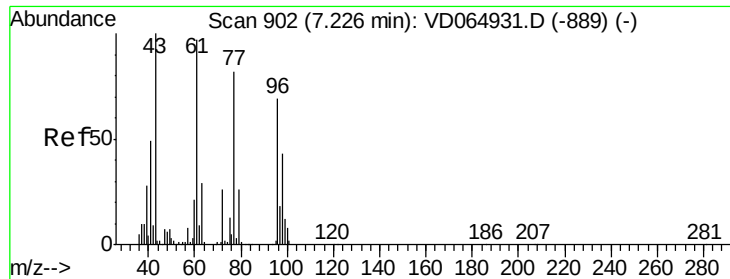


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





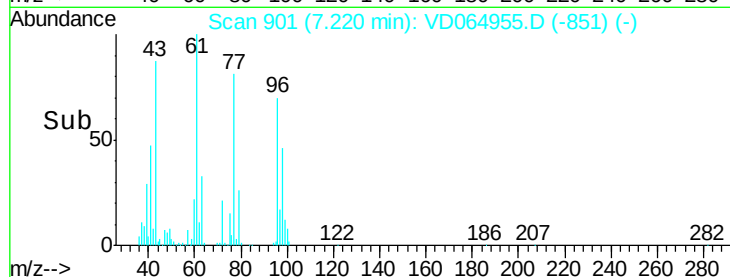
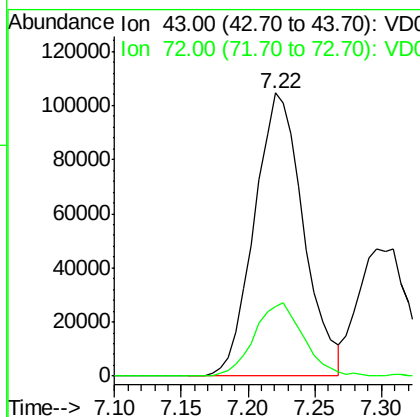
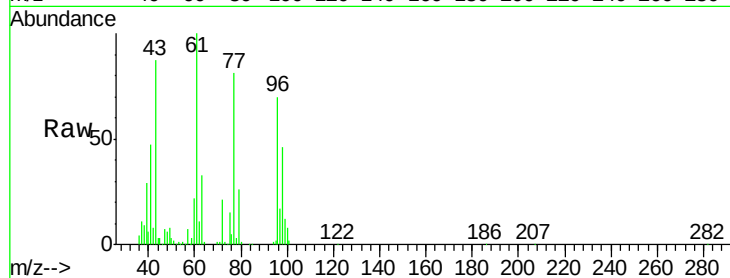
#25
2-Butanone
Concen: 241.229 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 266713
Ion Ratio Lower Upper
43 100
72 24.6 20.6 31.0

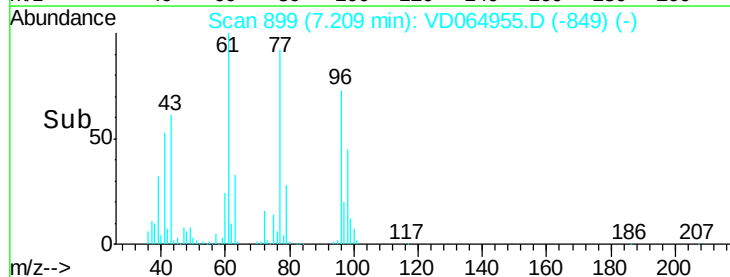
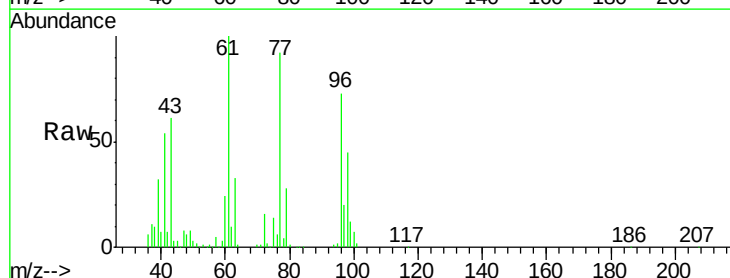
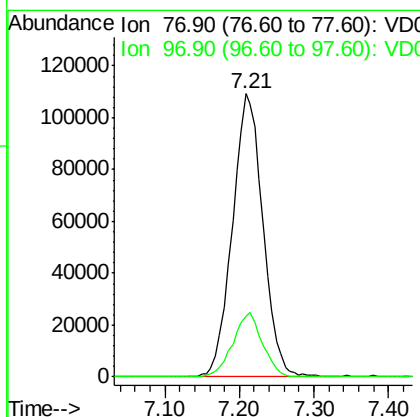
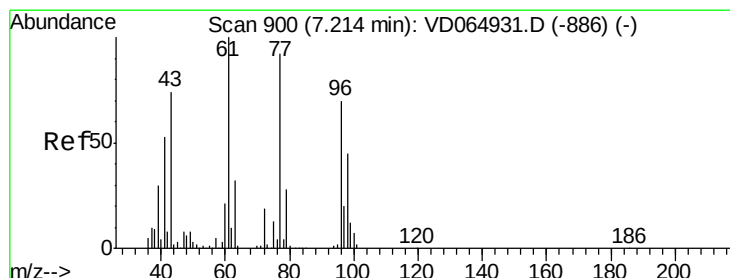
Manual Integrations
APPROVED

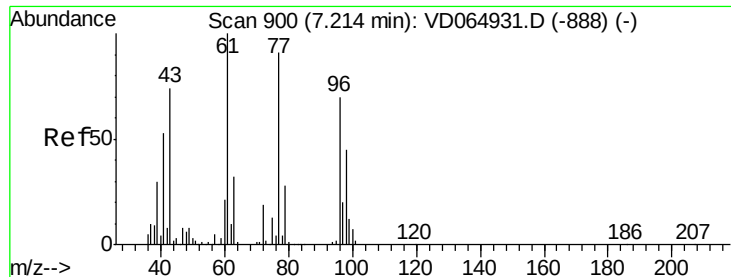
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#26
2,2-Dichloropropane
Concen: 47.055 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion: 77 Resp: 309347
Ion Ratio Lower Upper
77 100
97 22.0 11.4 34.2





#27

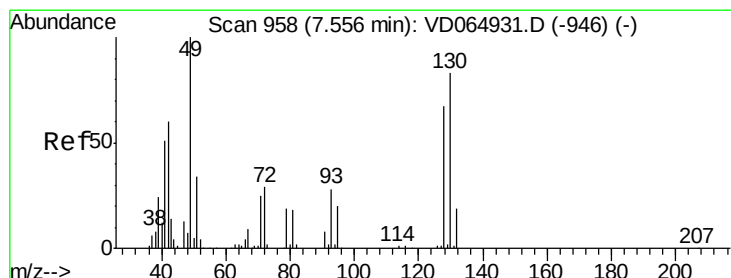
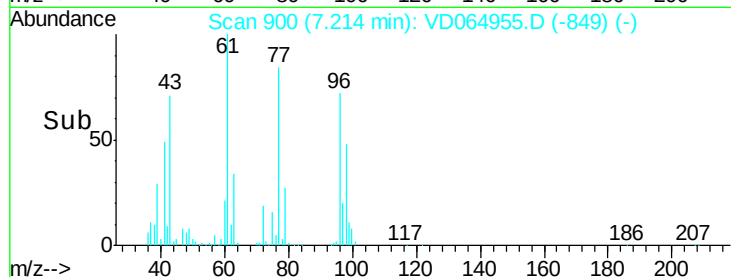
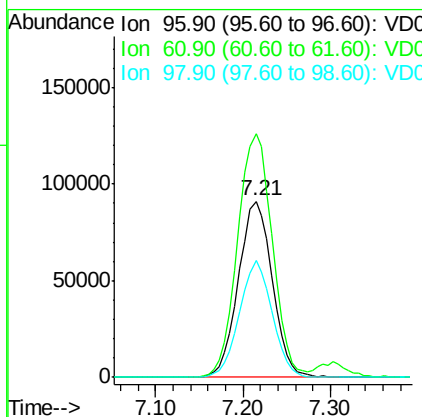
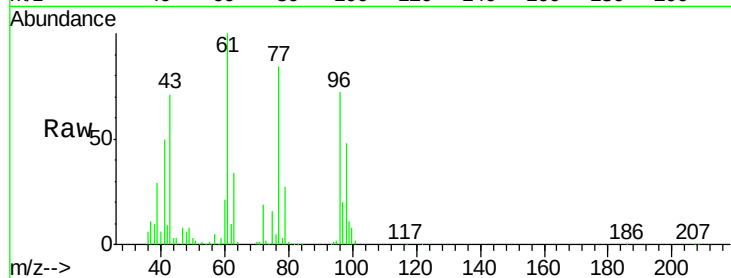
cis-1,2-Dichloroethene
 Concen: 52.528 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	239894		
61	141.5	0.0	292.8	
98	63.8	0.0	130.0	

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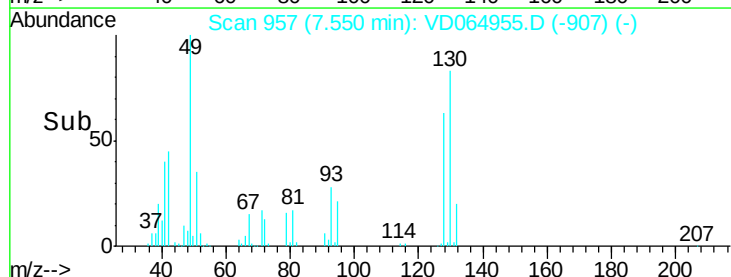
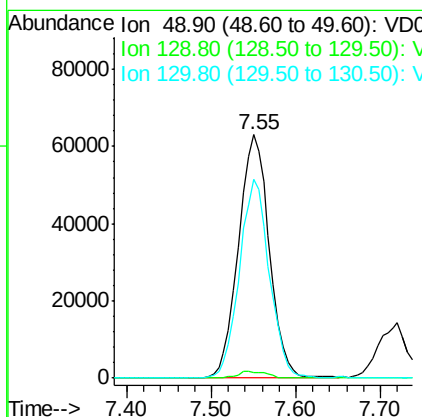
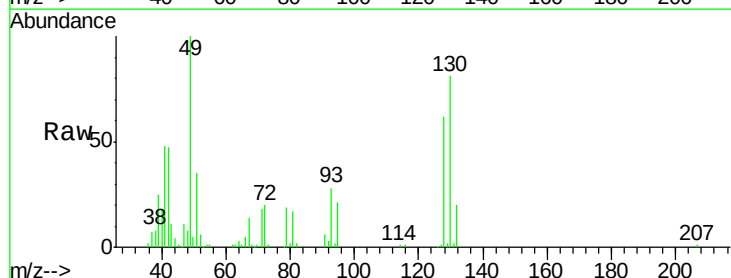
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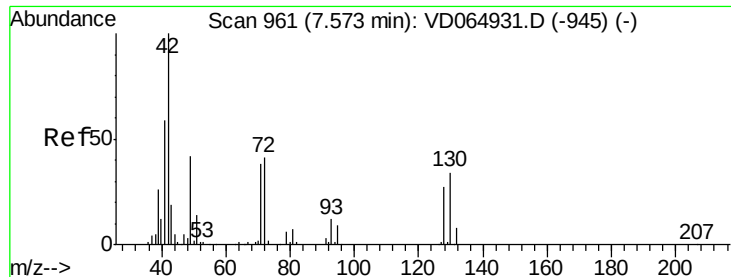


#28

Bromochloromethane
 Concen: 54.913 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	159171		
129	2.5	0.0	4.4	
130	79.2	63.8	95.8	





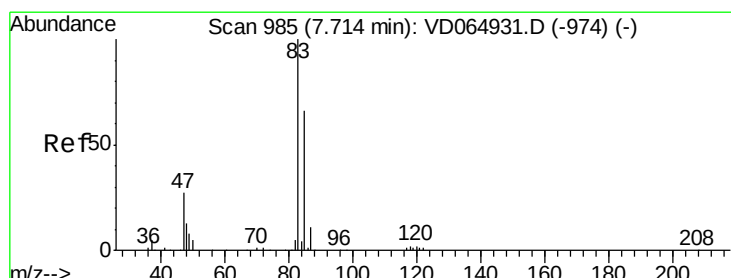
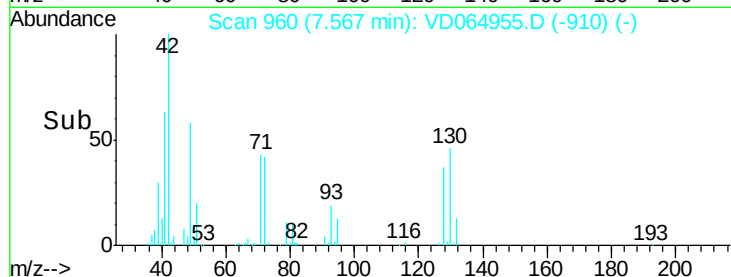
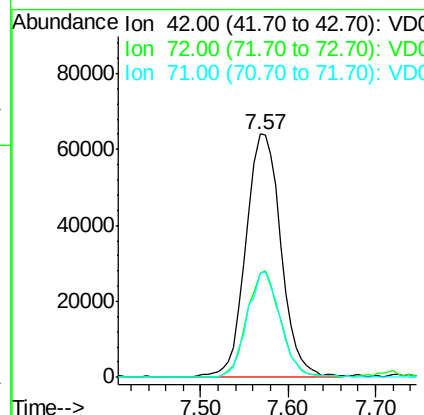
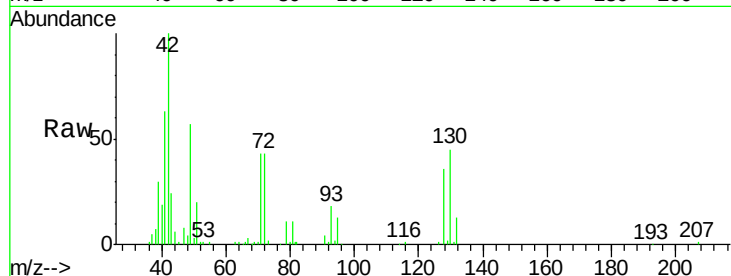
#29
Tetrahydrofuran
Concen: 257.162 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	34.0	51.0
71	41.1	31.5	47.3

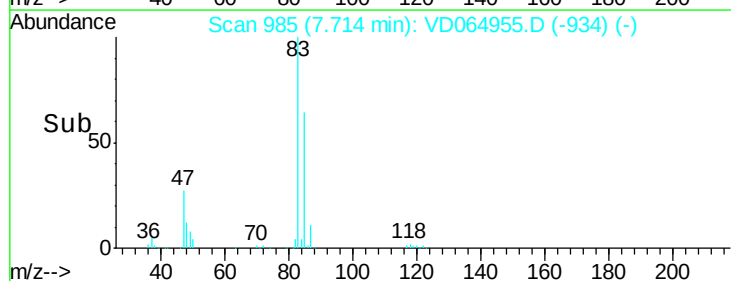
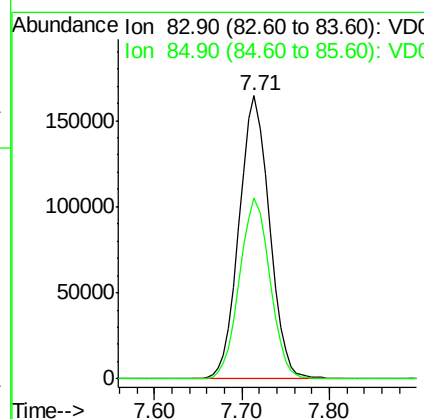
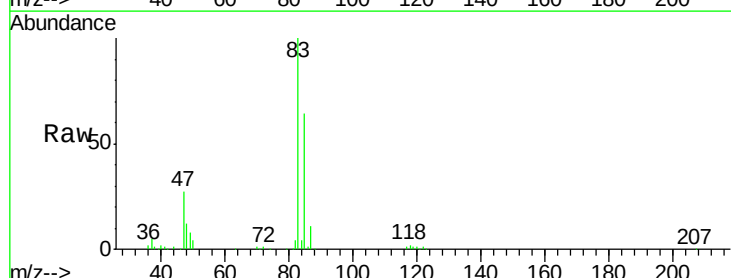
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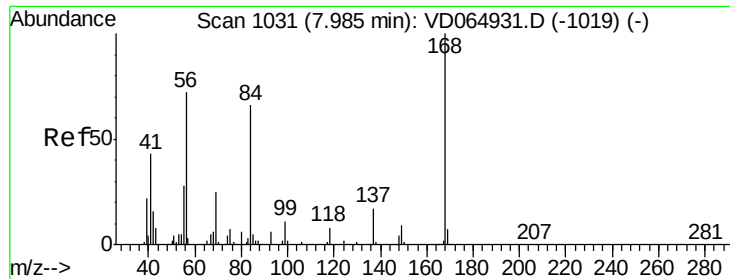
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#30
Chloroform
Concen: 51.616 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.4	78.6





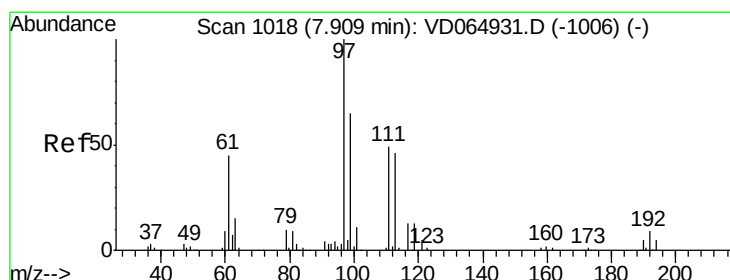
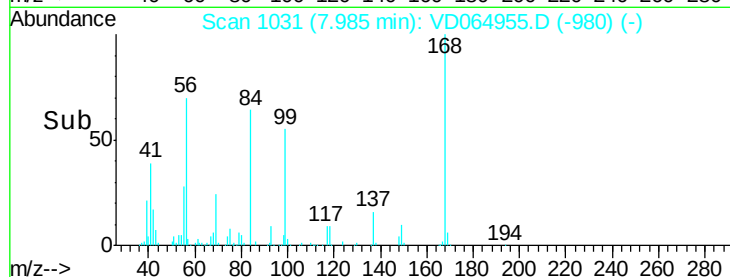
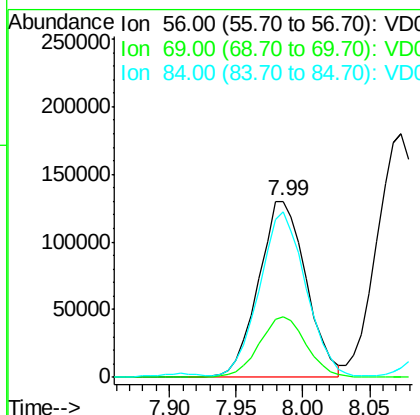
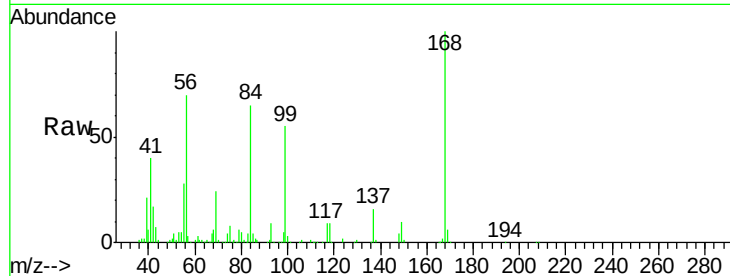
#31
Cyclohexane
Concen: 45.183 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	34.3	27.9	41.9	
84	91.9	72.8	109.2	

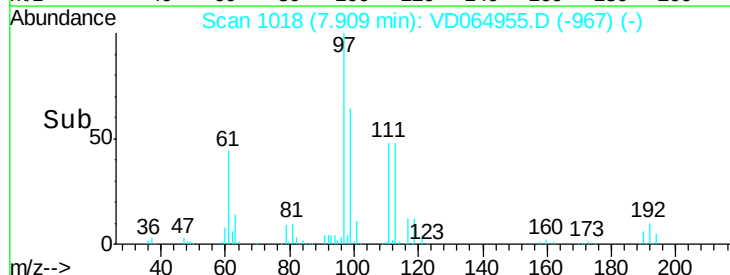
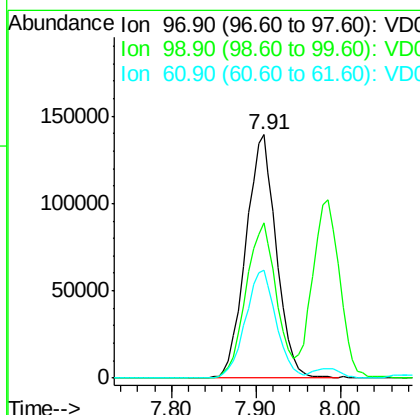
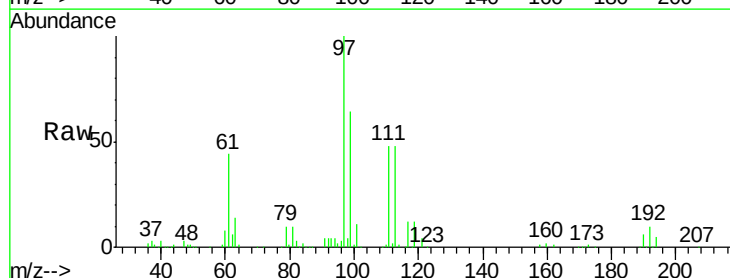
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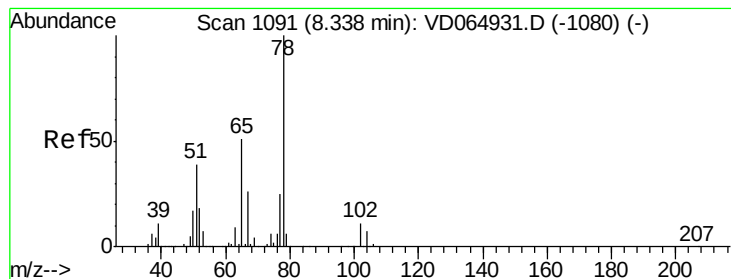
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#32
1,1,1-Trichloroethane
Concen: 50.145 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.7	50.6	76.0	
61	44.7	35.7	53.5	





#33

1,2-Dichloroethane-d4

Concen: 52.534 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 214993

Ion Ratio Lower Upper

65 100

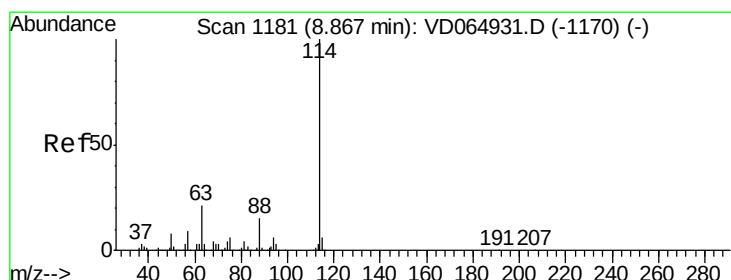
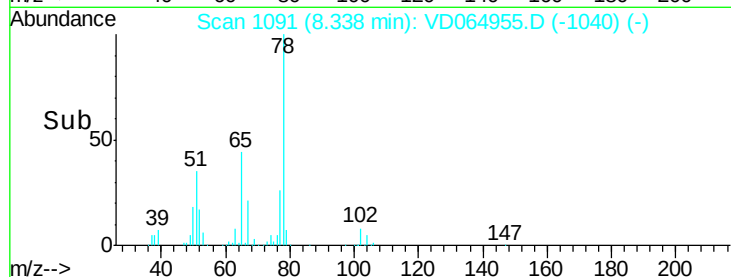
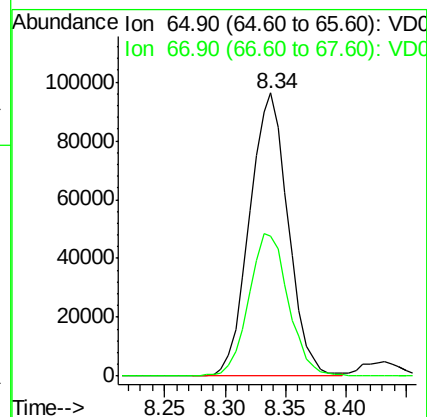
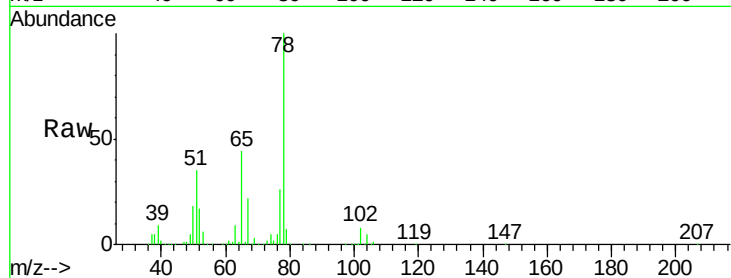
67 51.6 0.0 103.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

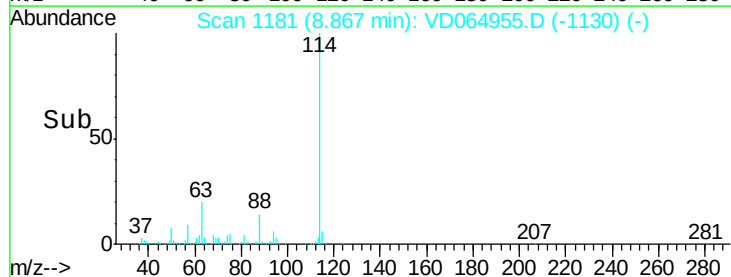
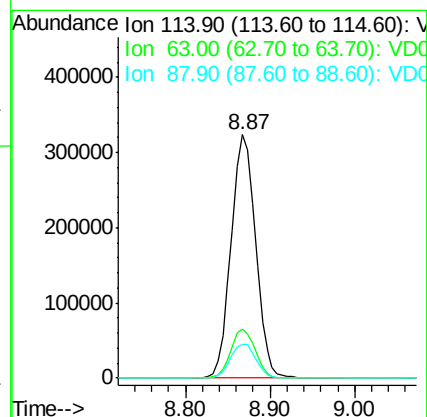
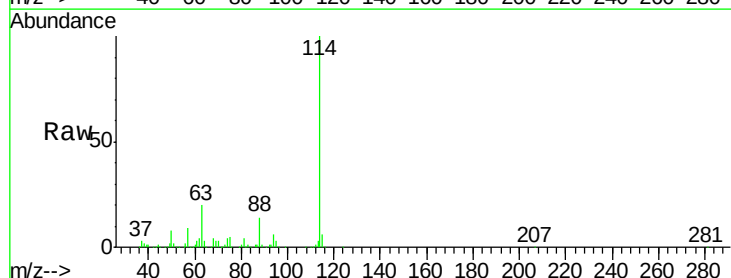
Tgt Ion: 114 Resp: 648586

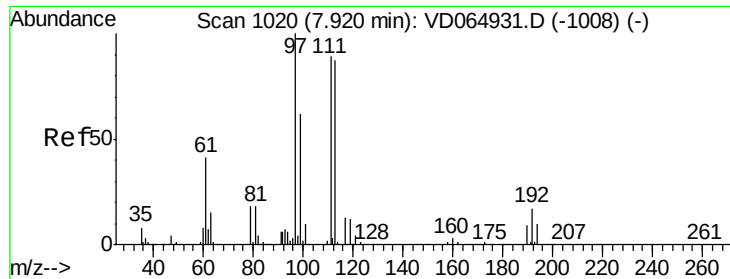
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.0

88 14.0 0.0 29.4





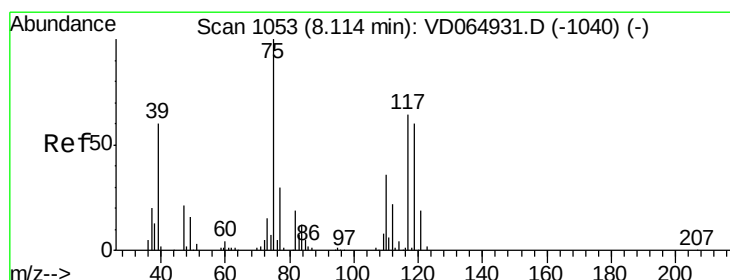
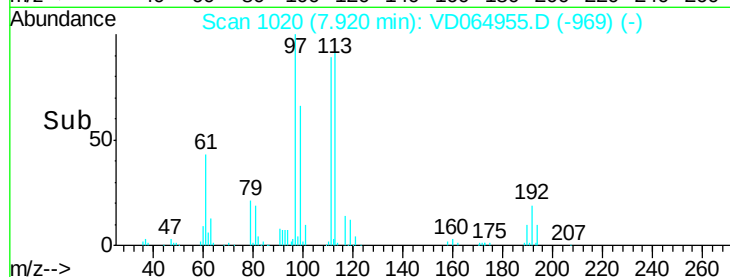
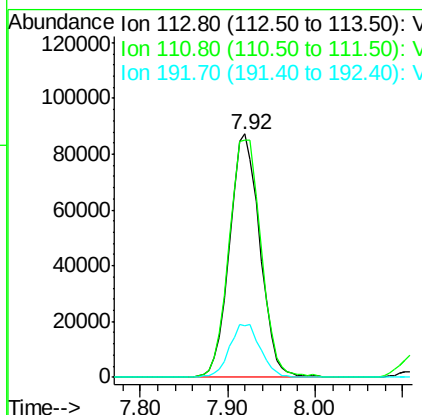
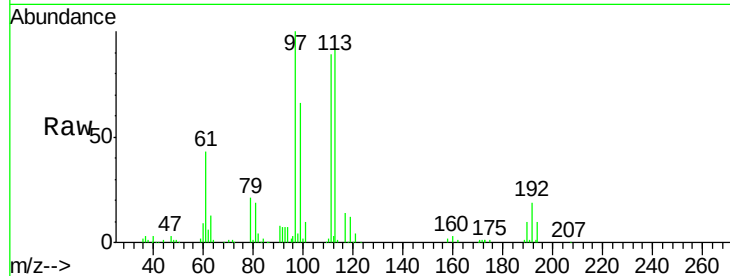
#35
Dibromofluoromethane
Concen: 50.337 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	205162		
111	103.4	82.4	123.6	
192	22.1	16.9	25.3	

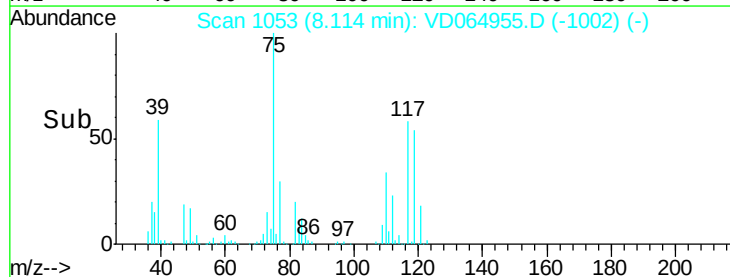
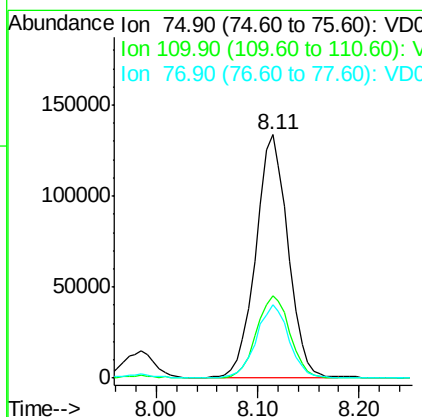
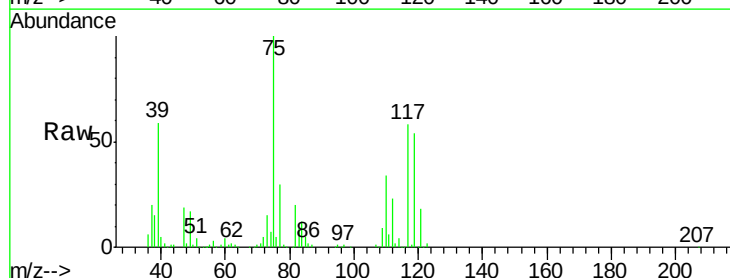
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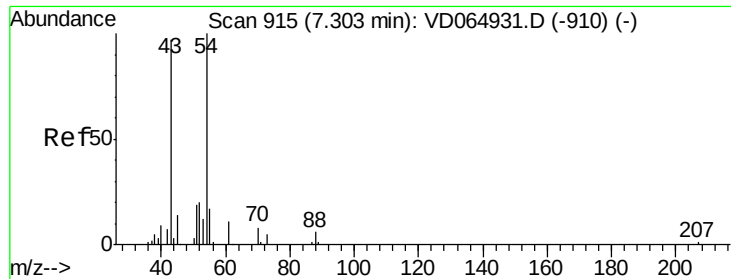
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#36
1,1-Dichloropropene
Concen: 47.801 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	298956		
110	35.0	17.3	52.0	
77	30.6	24.7	37.1	





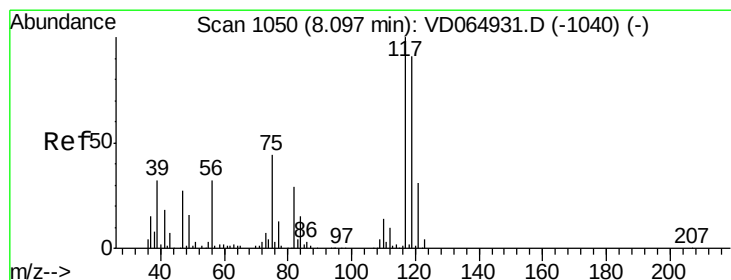
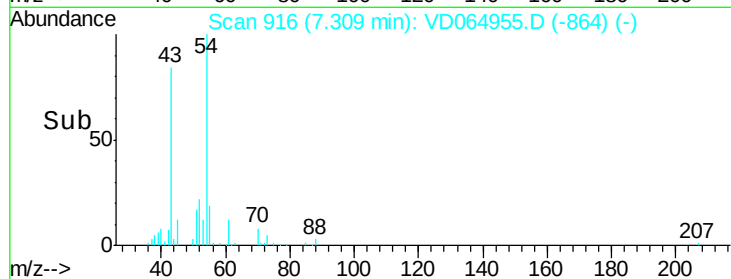
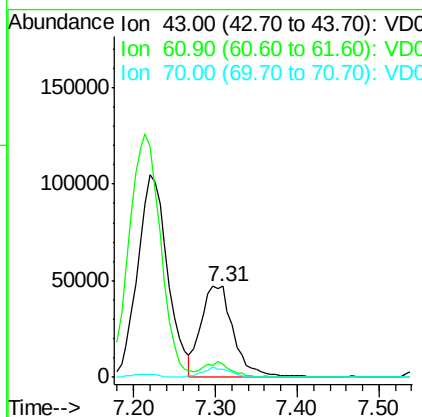
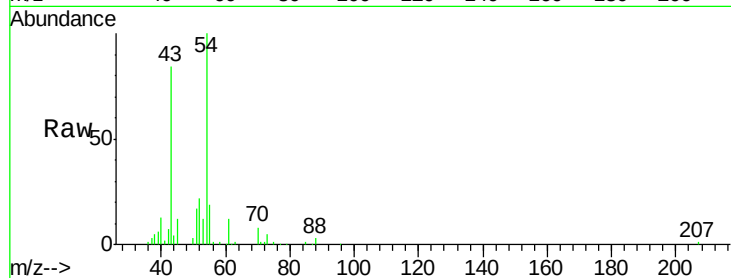
#37
Ethyl Acetate
Concen: 50.138 ug/l
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.0	11.0	16.4
70	9.9	7.5	11.3

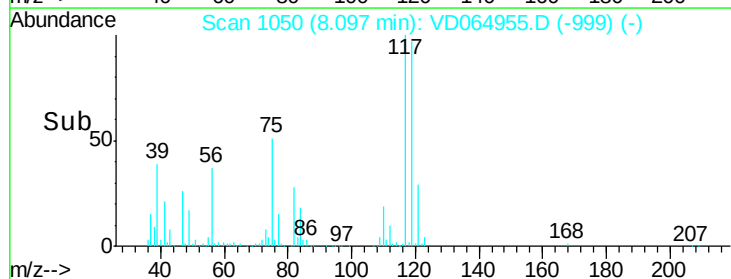
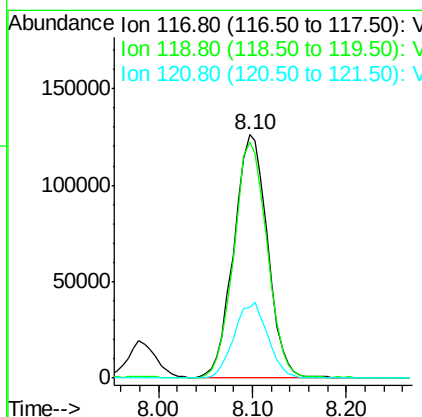
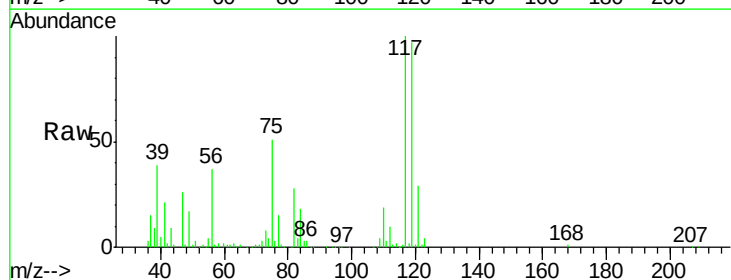
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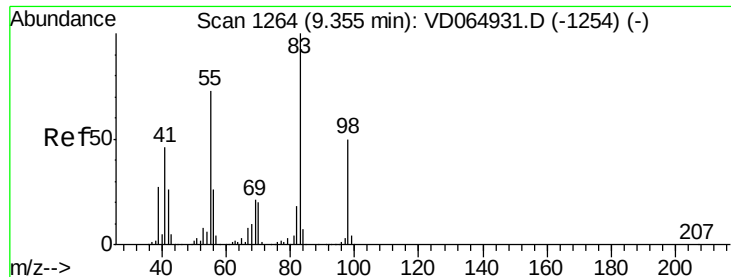
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#38
Carbon Tetrachloride
Concen: 47.206 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.8	73.2	109.8
121	29.3	24.4	36.6





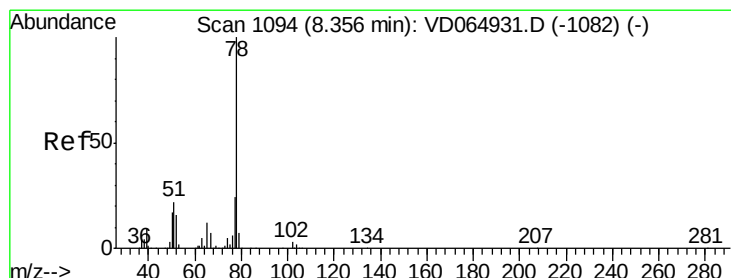
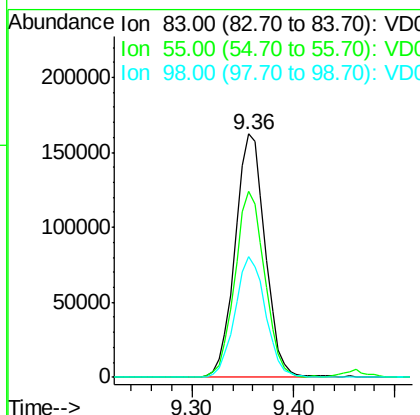
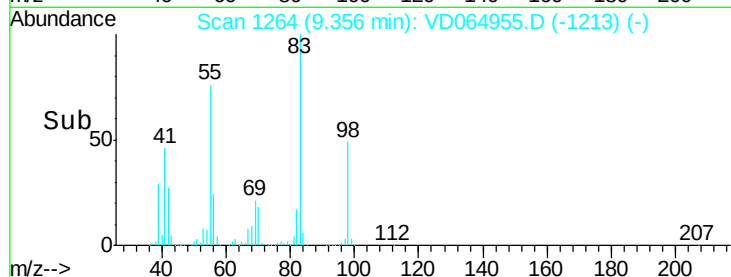
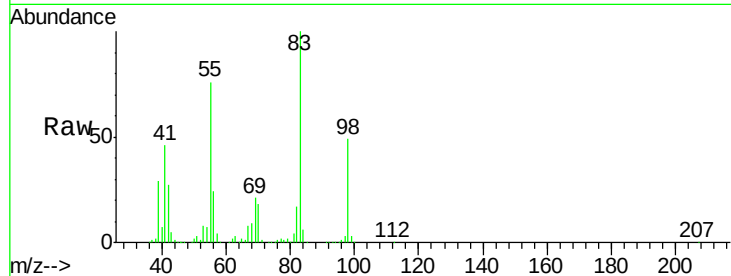
#39
Methylvlcyclohexane
Concen: 45.756 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.4	58.7	88.1
98	49.4	40.2	60.2

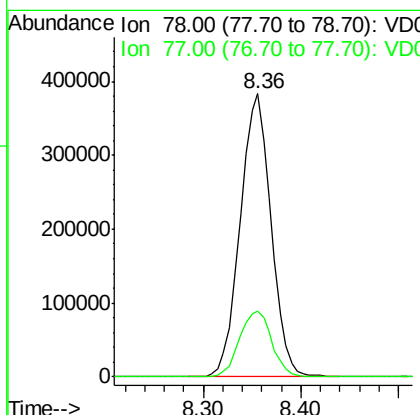
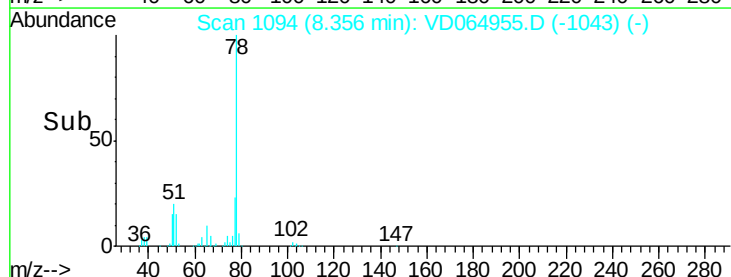
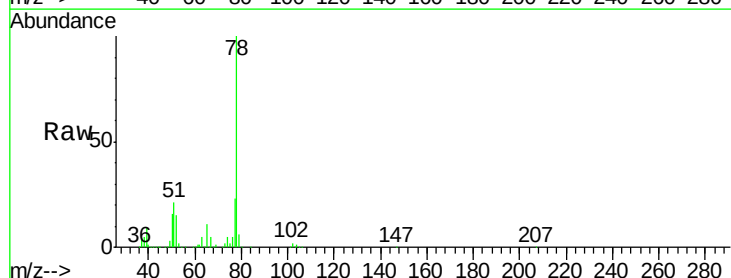
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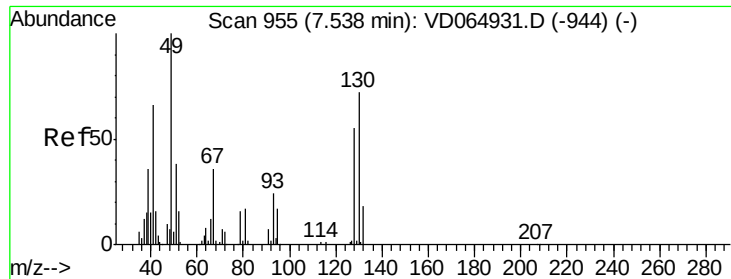
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#40
Benzene
Concen: 49.209 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





#41

Methacrylonitrile

Concen: 59.895 ug/l m

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 83352

Ion Ratio Lower Upper

41 100

39 0.0 49.3 73.9#

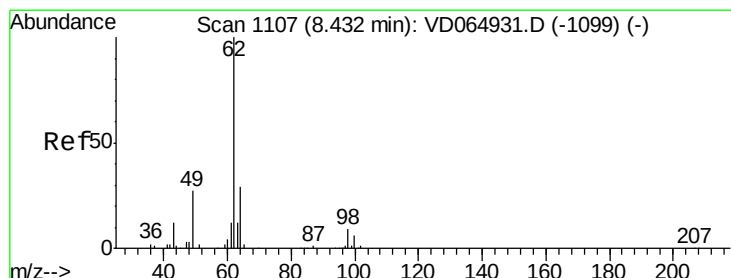
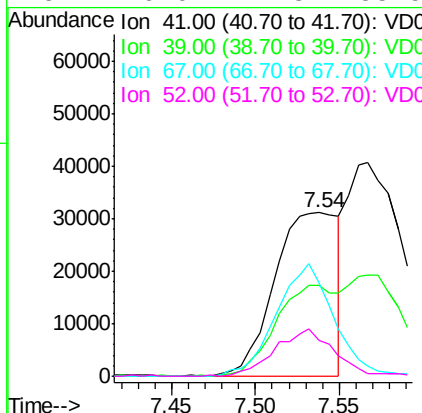
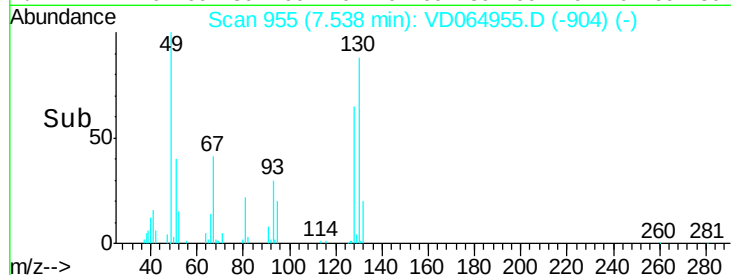
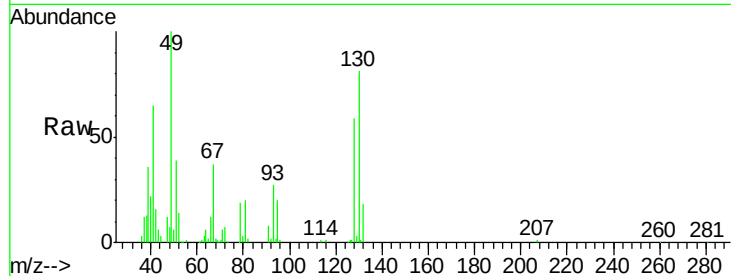
67 0.0 51.0 76.6#

52 0.0 22.3 33.5#

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#42

1,2-Dichloroethane

Concen: 49.245 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD064955.D

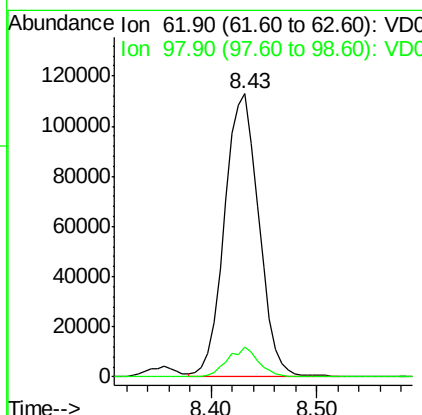
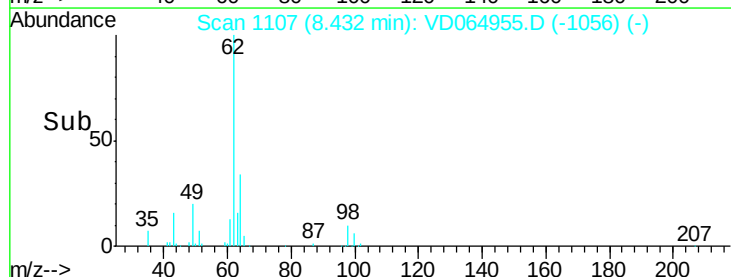
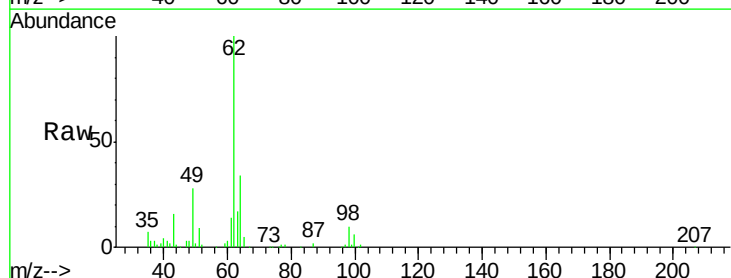
Acq: 24 Jan 2020 20:59

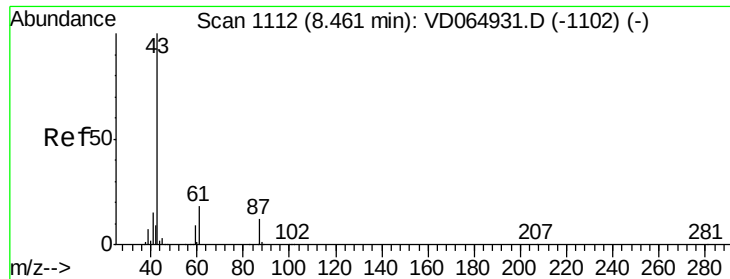
Tgt Ion: 62 Resp: 252678

Ion Ratio Lower Upper

62 100

98 9.5 0.0 17.8





#43

Isopropyl Acetate

Concen: 51.197 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

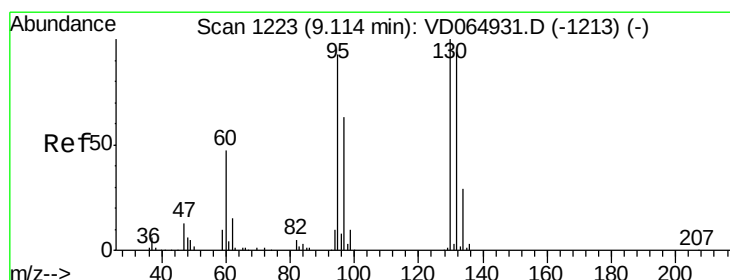
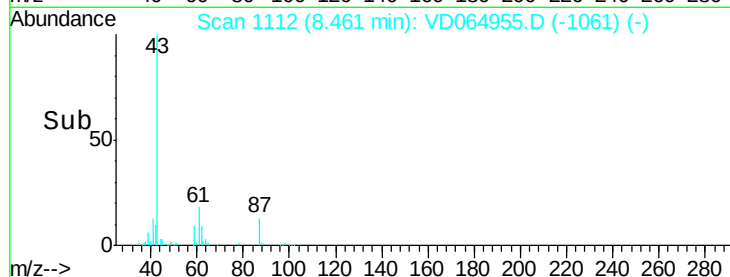
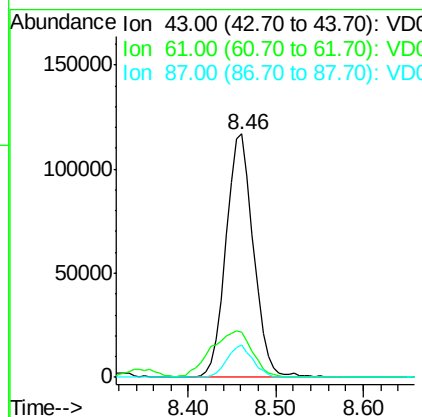
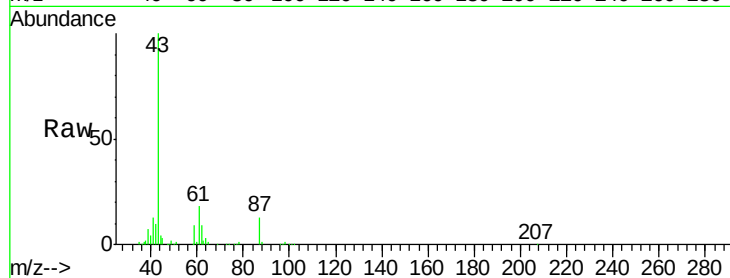
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	251230
Ion	Ratio	Lower	Upper
43	100		
61	28.9	23.8	35.6
87	12.6	10.3	15.5

Manual Integrations
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#44

Trichloroethene

Concen: 49.294 ug/l

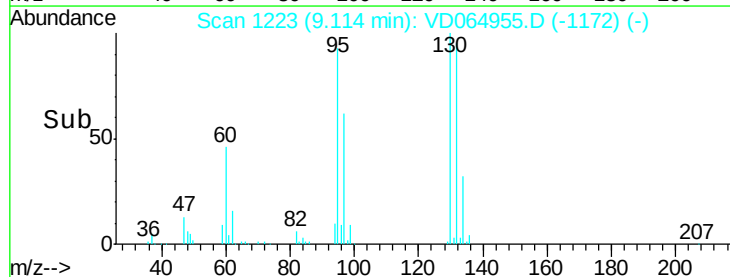
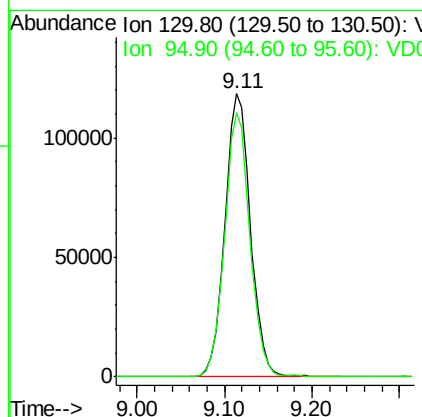
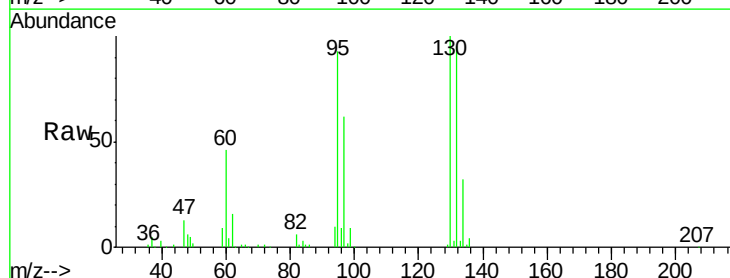
RT: 9.11 min Scan# 1223

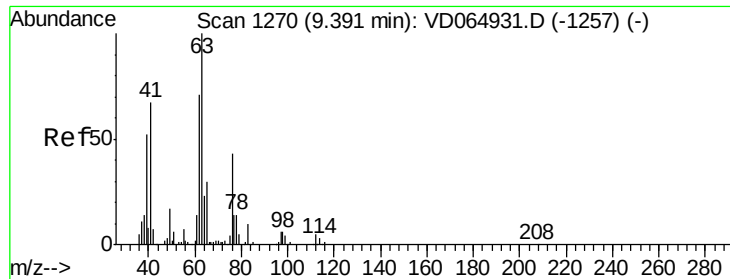
Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Tgt Ion:	130	Resp:	237636
Ion	Ratio	Lower	Upper
130	100		
95	93.2	0.0	185.8





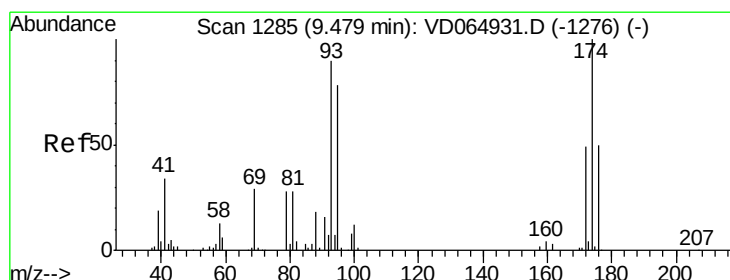
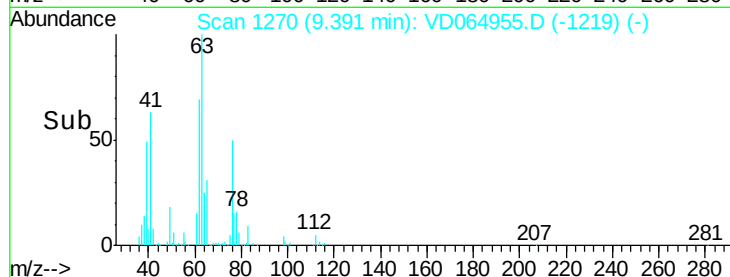
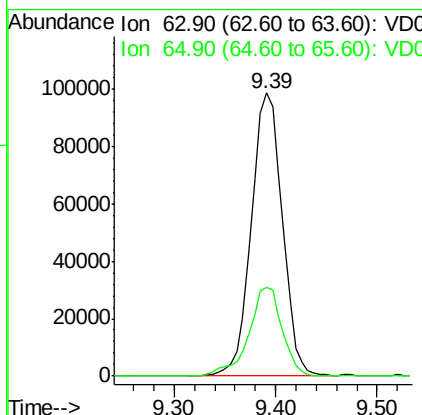
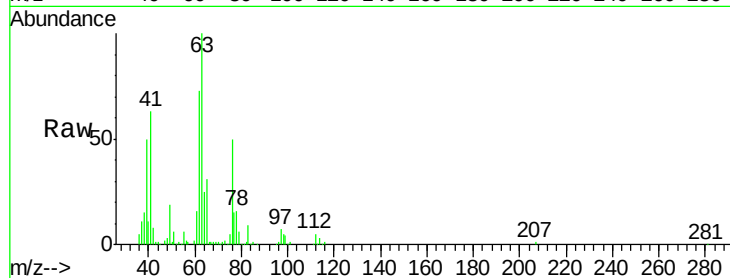
#45
 1,2-Dichloropropane
 Concen: 50.287 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.3	36.5

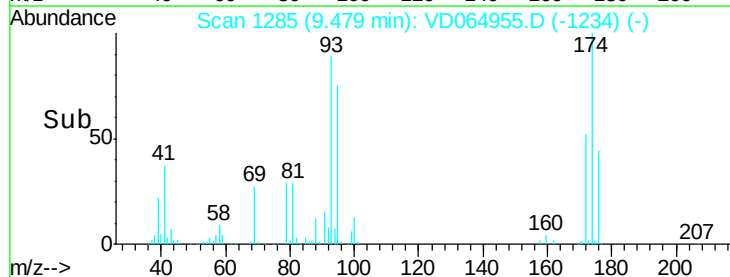
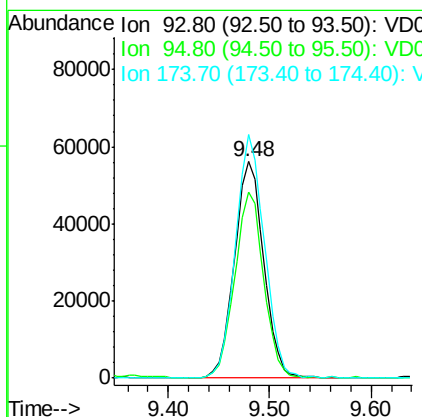
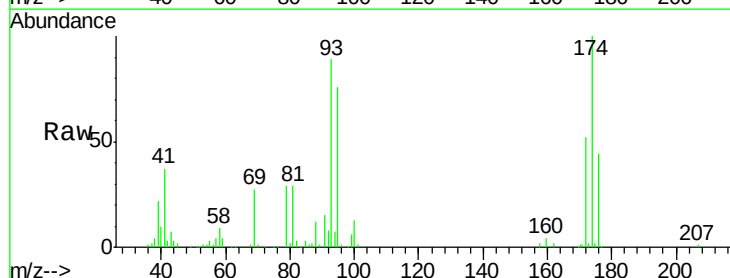
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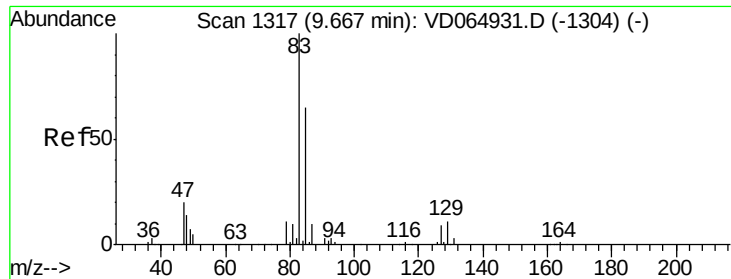
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#46
 Dibromomethane
 Concen: 49.644 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.2	67.5	101.3
174	110.3	88.4	132.6





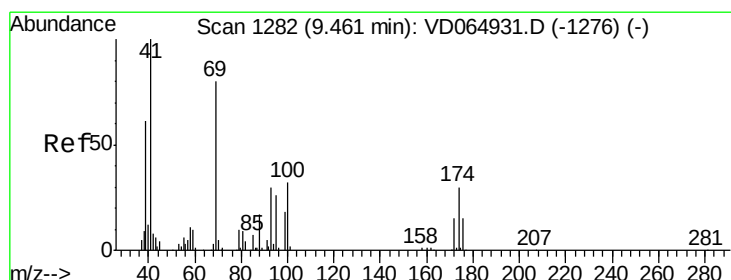
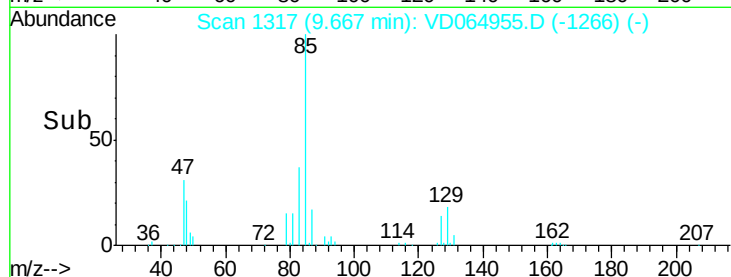
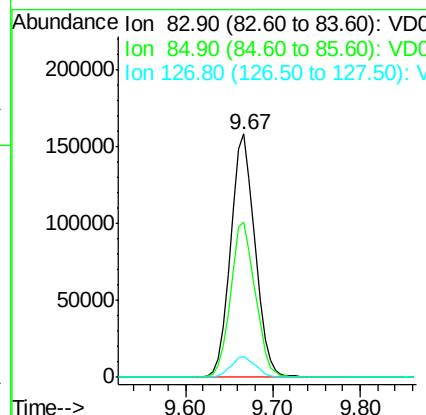
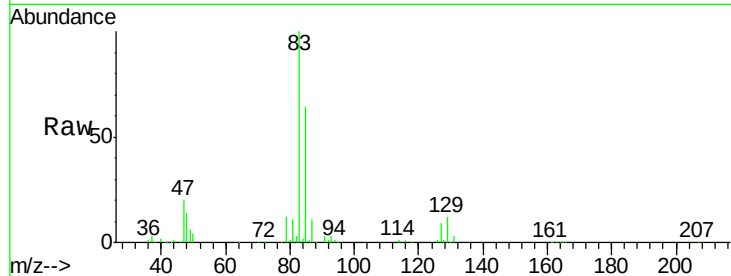
#47
Bromodichloromethane
Concen: 51.062 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
83	100	302912		
85	63.8	52.0	78.0	
127	8.7	7.3	10.9	

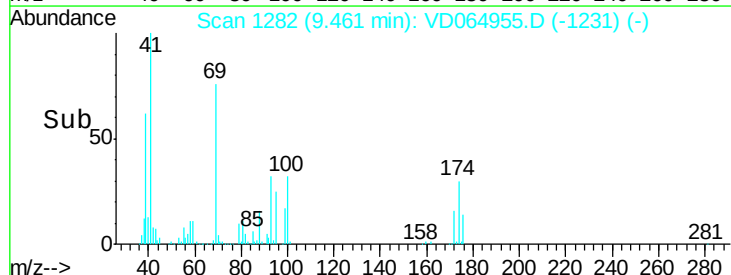
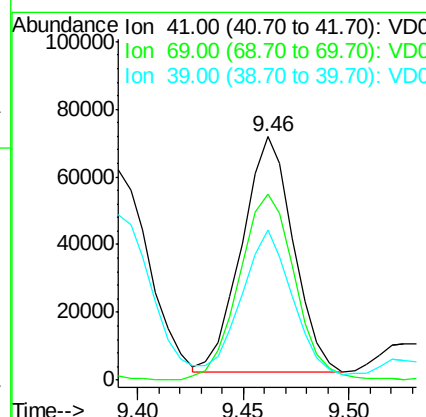
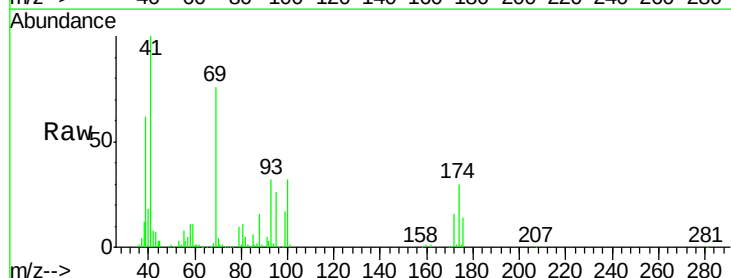
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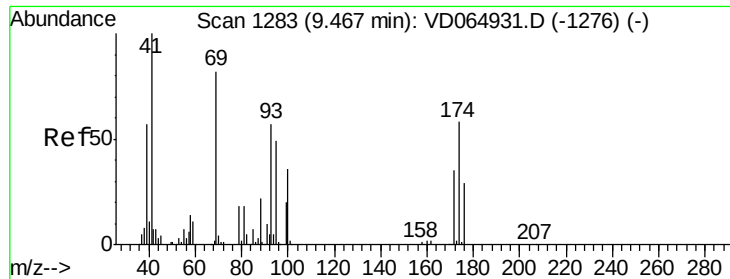
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#48
Methyl methacrylate
Concen: 52.103 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	117660		
69	84.6	65.8	98.8	
39	59.9	49.4	74.0	





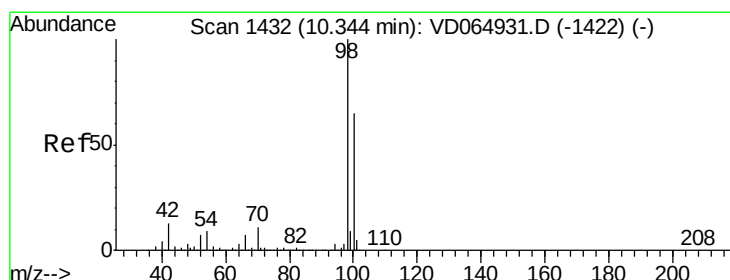
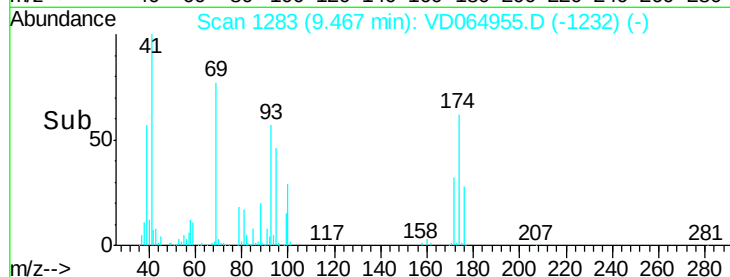
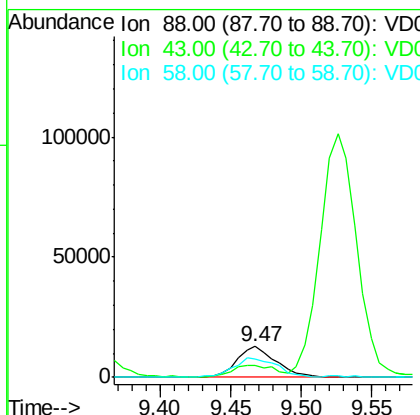
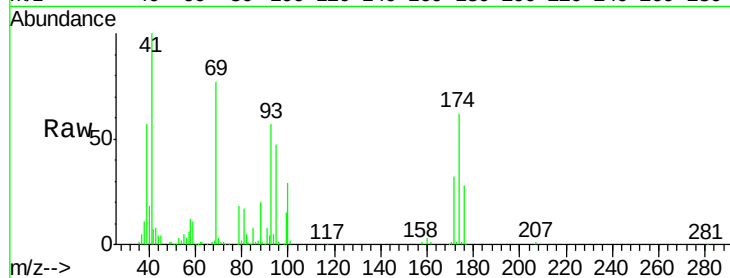
#49
1,4-Dioxane
Concen: 961.712 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	25428
Ion Ratio	Lower	Upper	
88	100		
43	40.2	26.2	39.4#
58	68.3	50.3	75.5

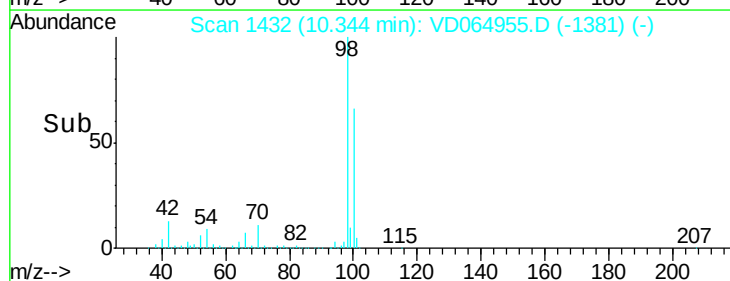
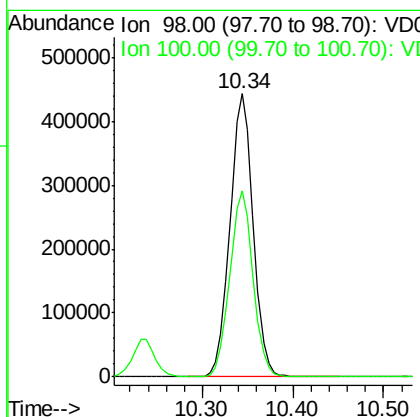
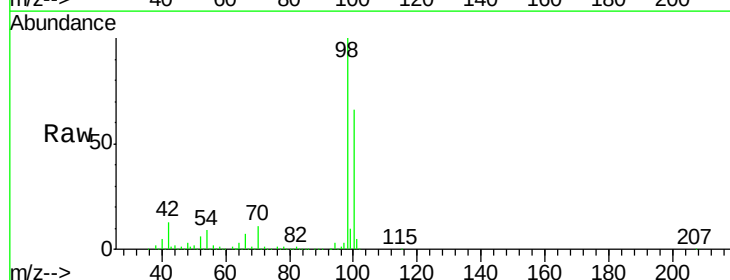
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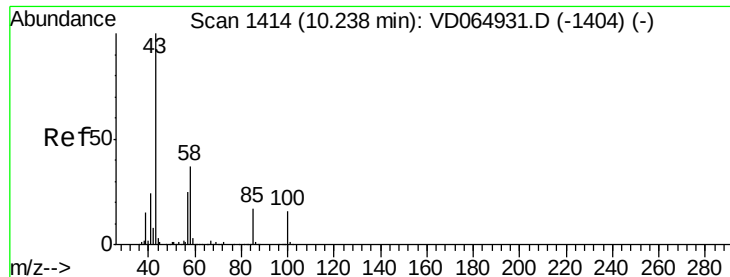
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#50
Toluene-d8
Concen: 50.215 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion	98	Resp	789938
Ion Ratio	Lower	Upper	
98	100		
100	65.7	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 256.698 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 630287

Ion Ratio Lower Upper

43 100

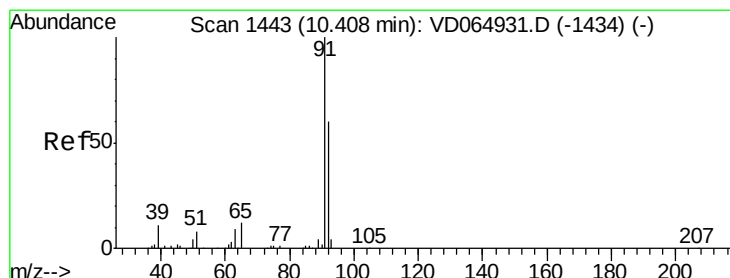
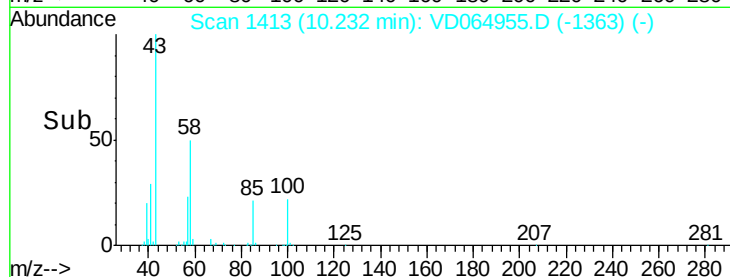
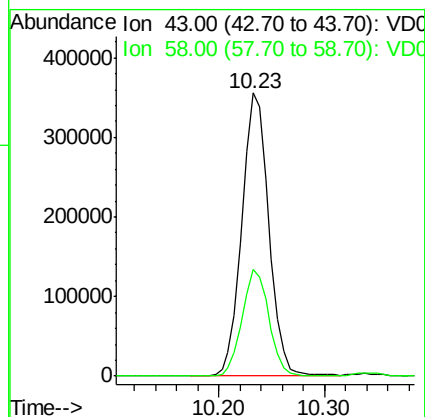
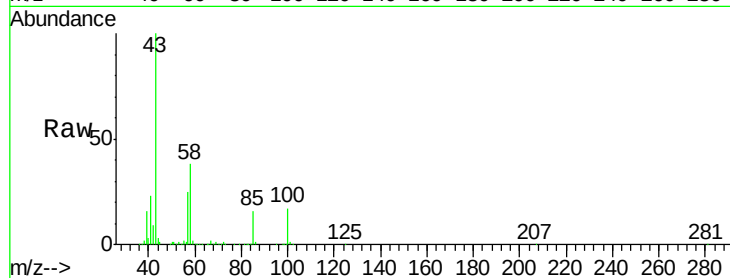
58 37.5 30.4 45.6

Manual Integrations

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#52

Toluene

Concen: 49.676 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064955.D

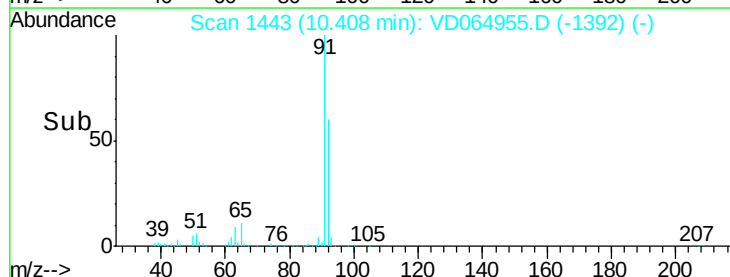
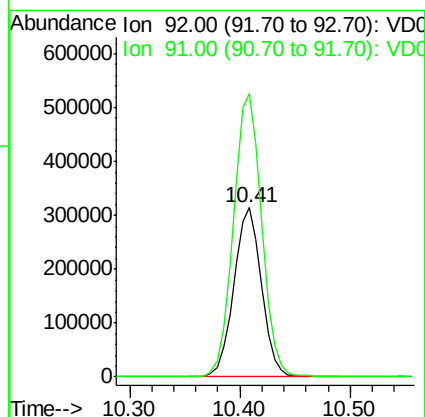
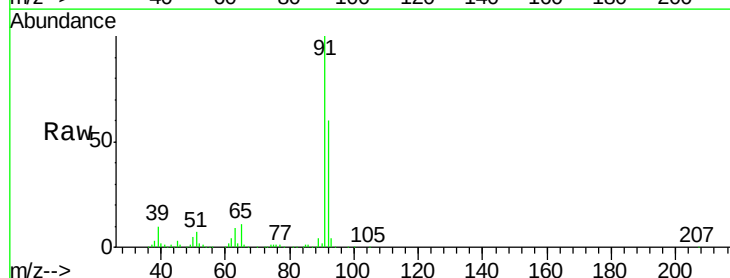
Acq: 24 Jan 2020 20:59

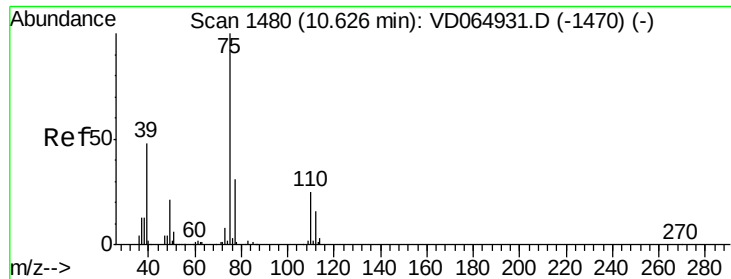
Tgt Ion: 92 Resp: 551668

Ion Ratio Lower Upper

92 100

91 171.7 136.8 205.2





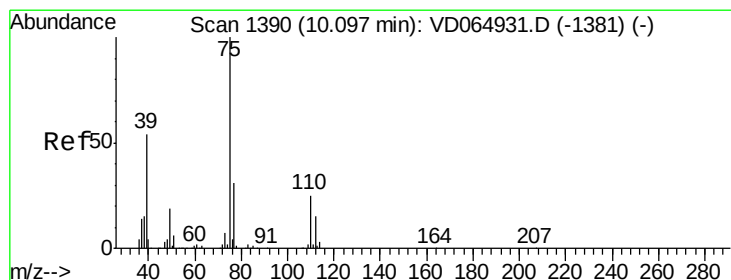
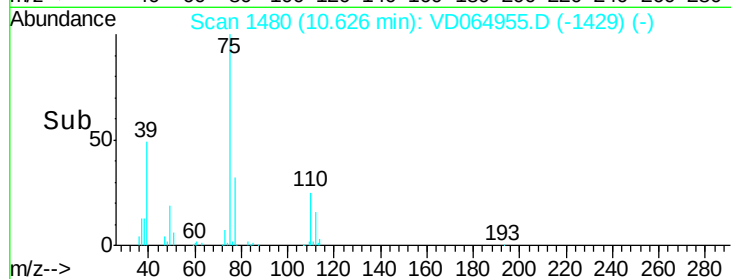
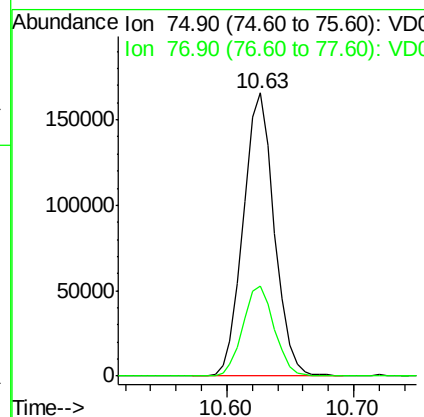
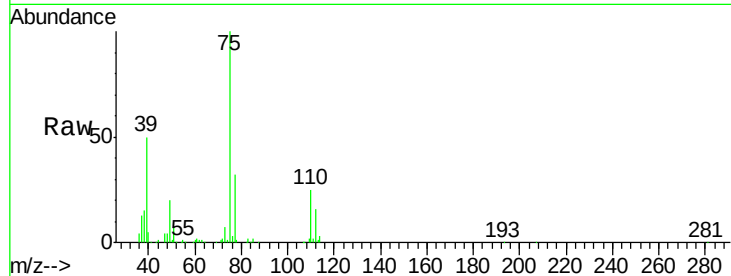
#53
t-1,3-Dichloropropene
Concen: 49.845 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	25.0	37.6

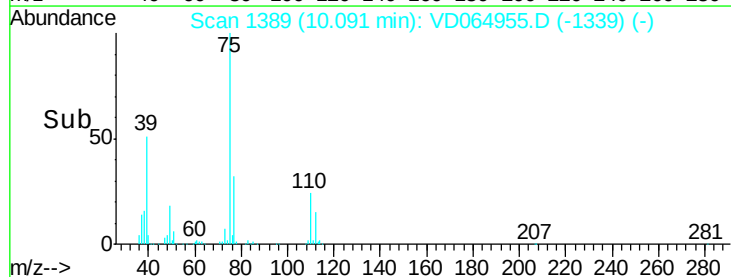
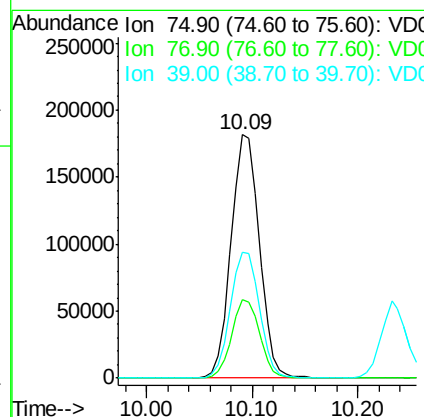
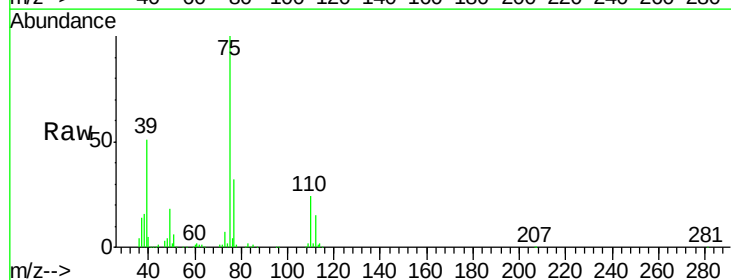
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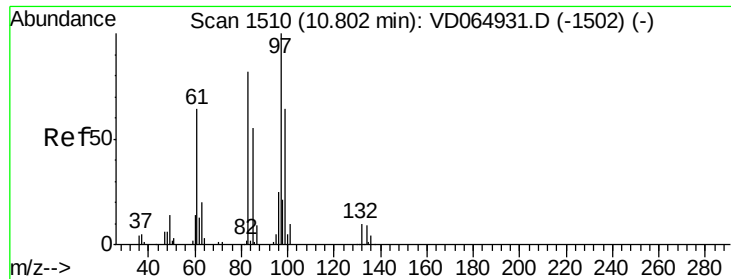
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#54
cis-1,3-Dichloropropene
Concen: 50.865 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.1	37.7
39	51.3	43.0	64.6





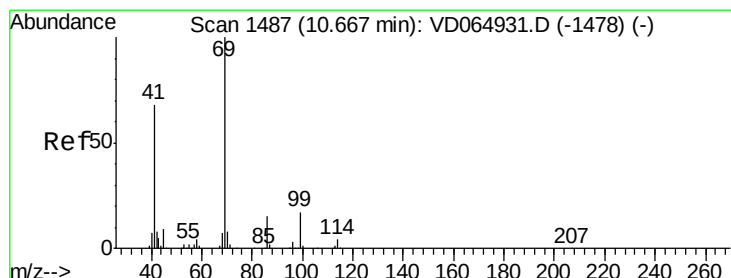
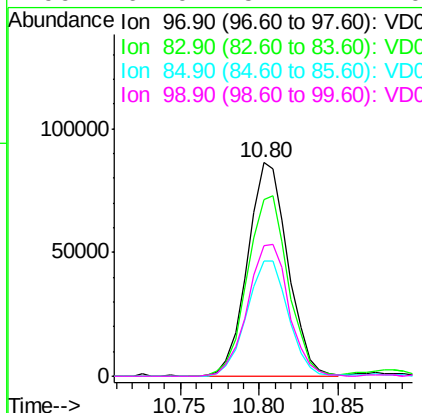
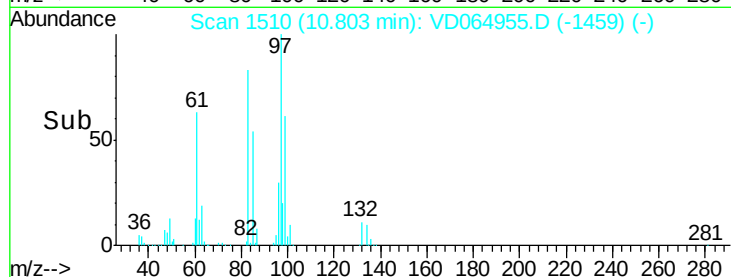
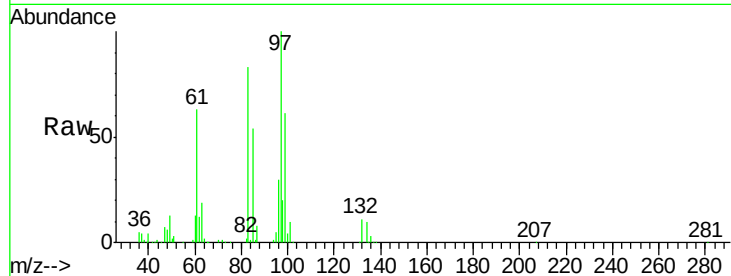
#55
 1,1,2-Trichloroethane
 Concen: 49.814 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.8	66.0	99.0
85	54.2	44.4	66.6
99	61.0	51.4	77.0

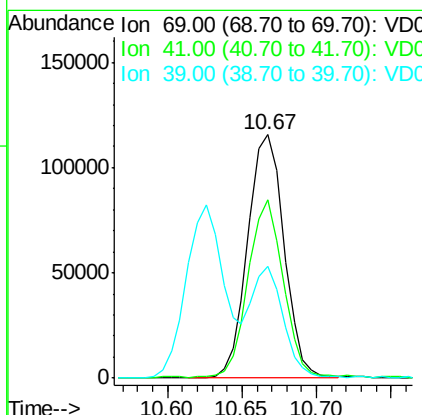
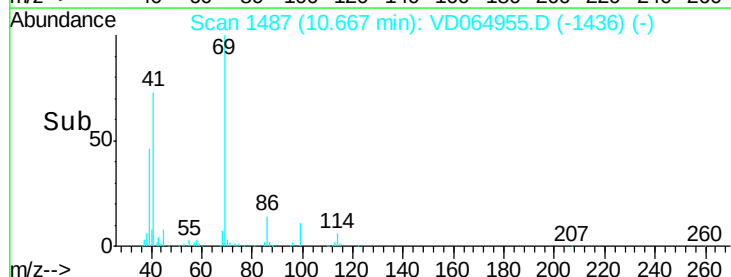
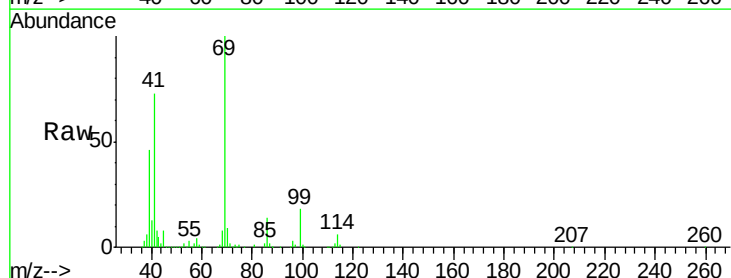
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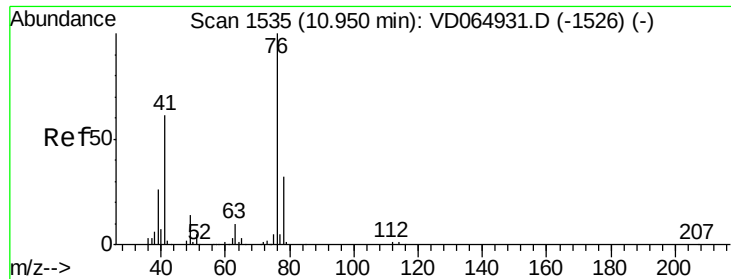
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#56
 Ethyl methacrylate
 Concen: 53.125 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.3	56.4	84.6
39	39.5	30.6	46.0





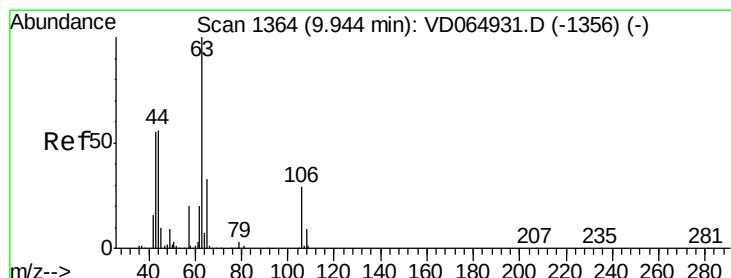
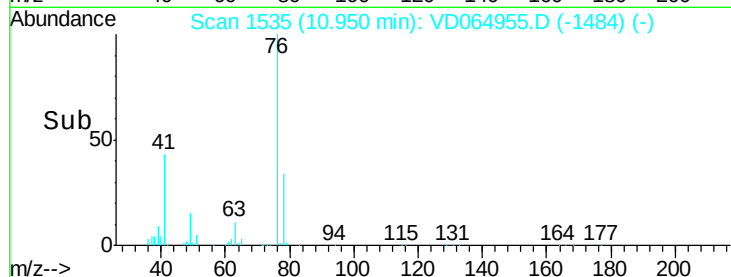
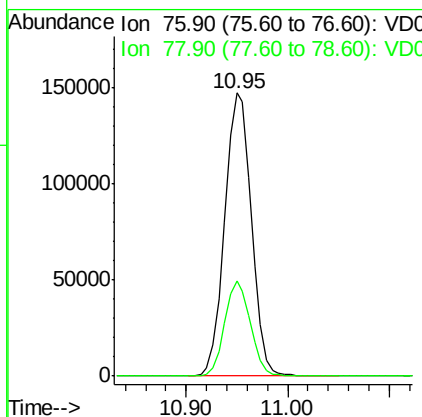
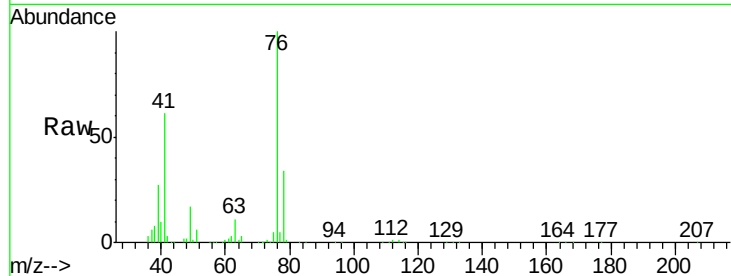
#57
 1,3-Dichloropropane
 Concen: 51.067 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 268972
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.7 38.5

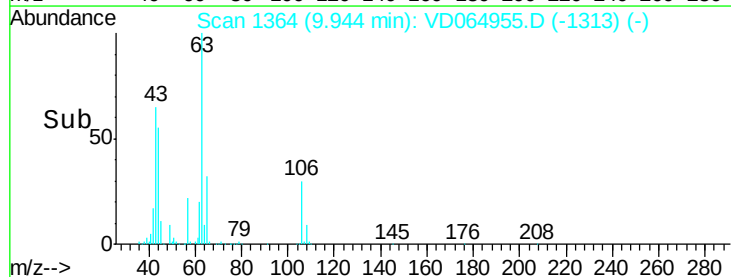
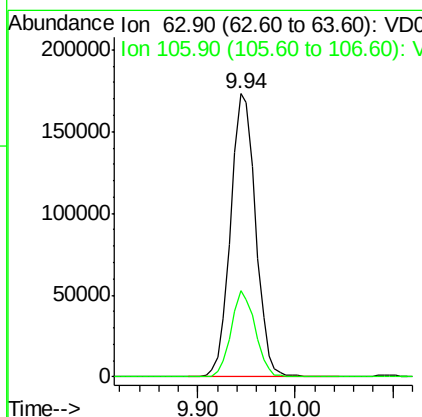
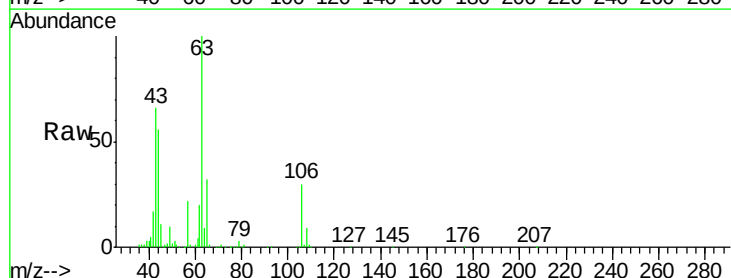
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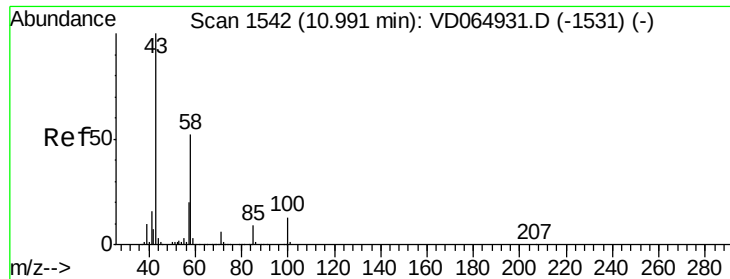
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#58
 2-Chloroethyl Vinyl ether
 Concen: 253.679 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Tgt Ion: 63 Resp: 309486
 Ion Ratio Lower Upper
 63 100
 106 29.3 23.0 34.4





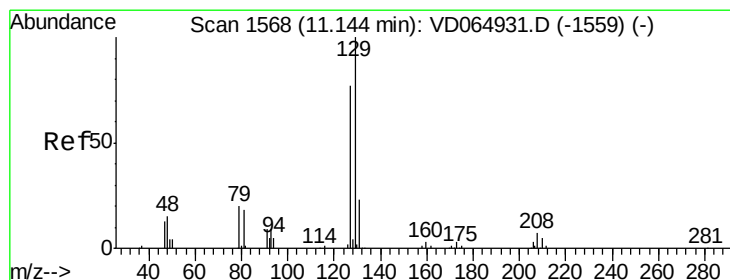
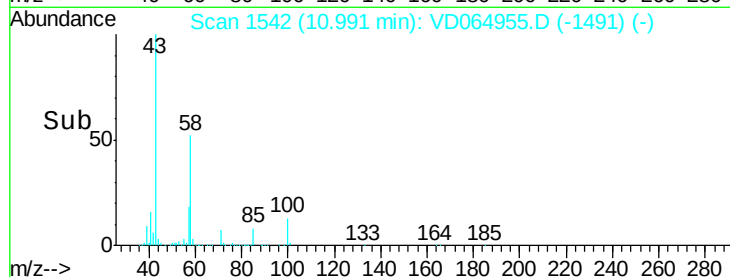
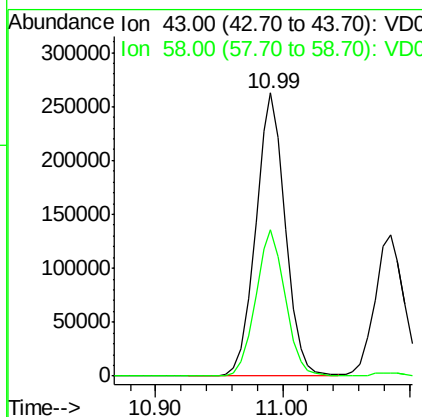
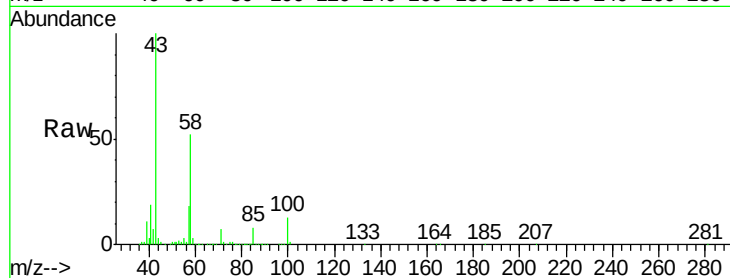
#59
2-Hexanone
Concen: 250.905 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 424942
Ion Ratio Lower Upper
43 100
58 51.8 26.5 79.4

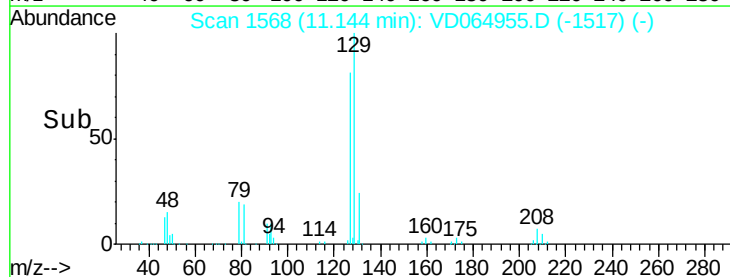
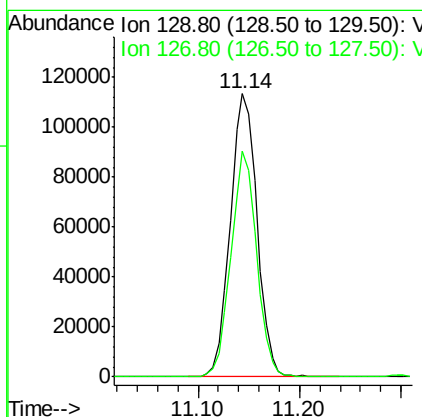
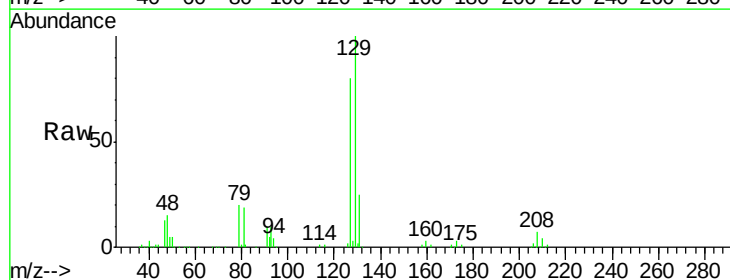
Manual Integrations
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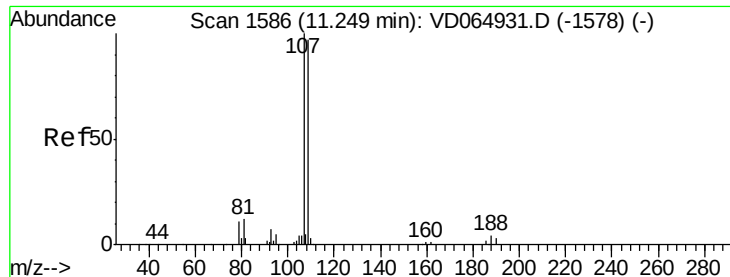
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#60
Dibromochloromethane
Concen: 50.732 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion: 129 Resp: 208221
Ion Ratio Lower Upper
129 100
127 76.4 38.2 114.6





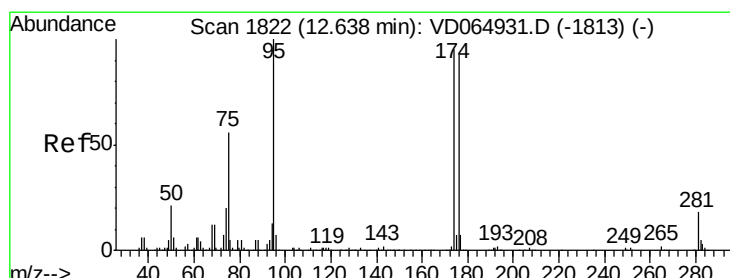
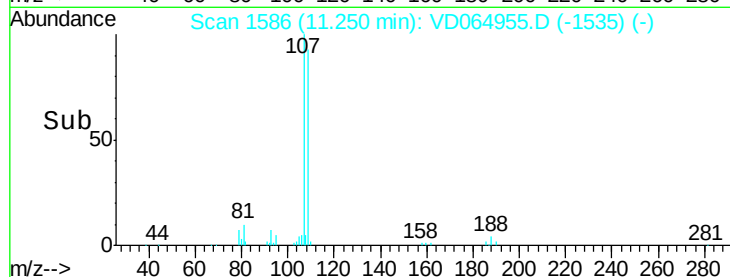
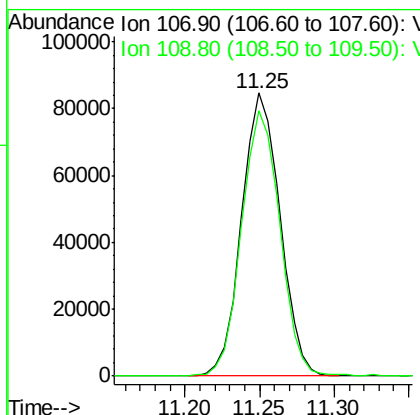
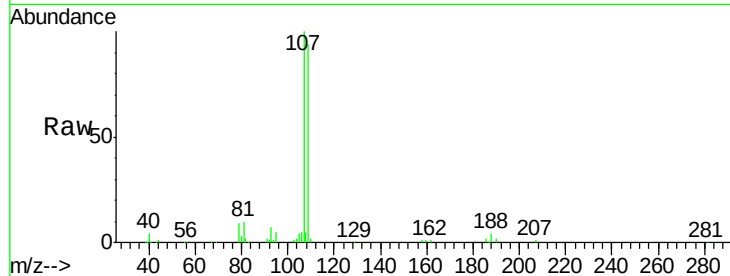
#61
 1,2-Dibromoethane
 Concen: 51.017 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.7	77.1	115.7

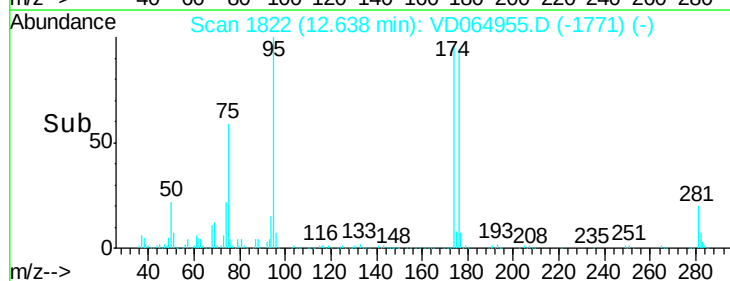
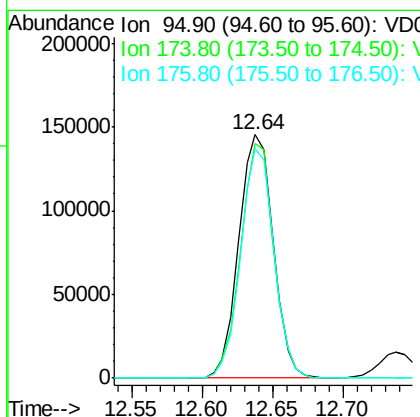
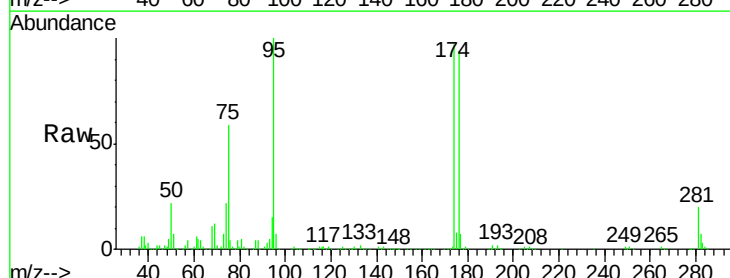
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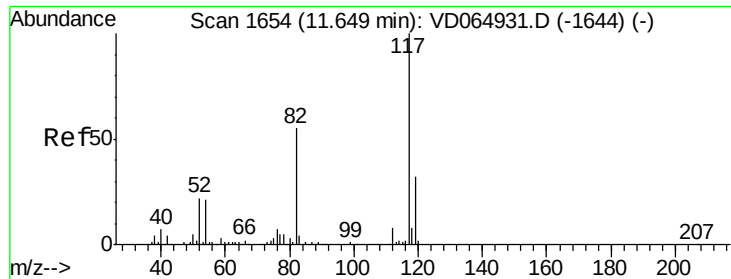
MMDadoda
 1/27/2020 12:03:19 PM



#62
 4-Bromofluorobenzene
 Concen: 51.662 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.9	0.0	186.8
176	90.9	0.0	183.4





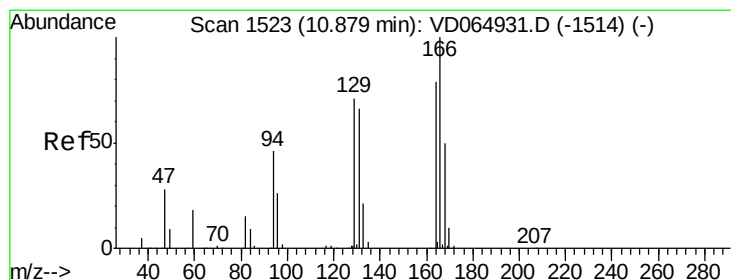
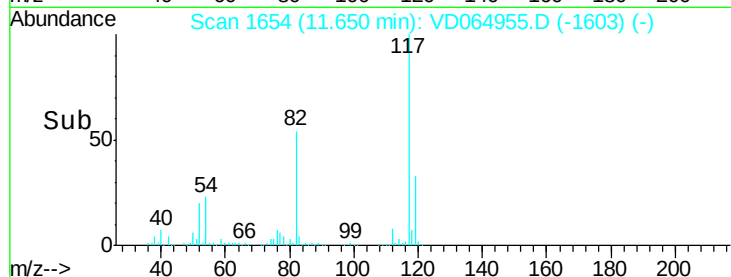
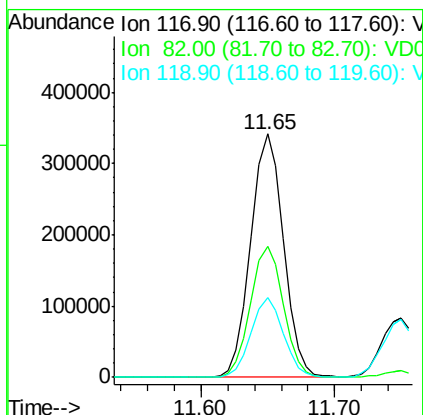
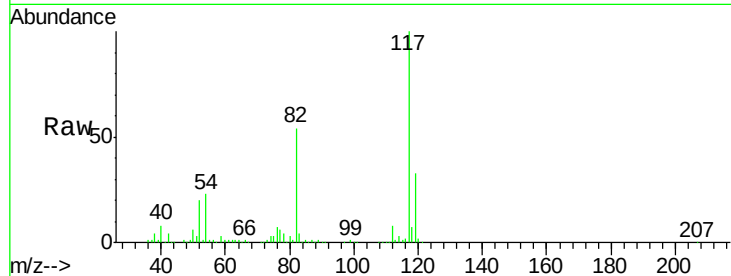
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.6	65.4
119	32.8	25.2	37.8

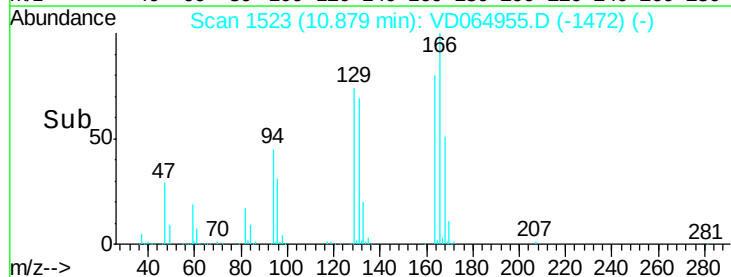
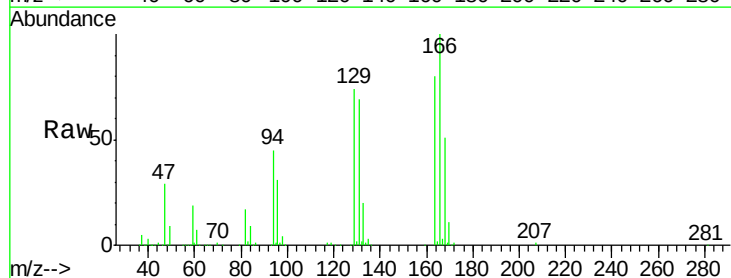
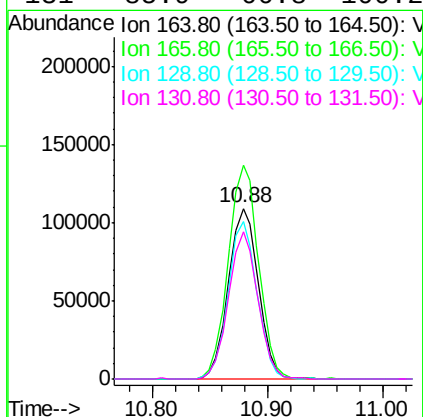
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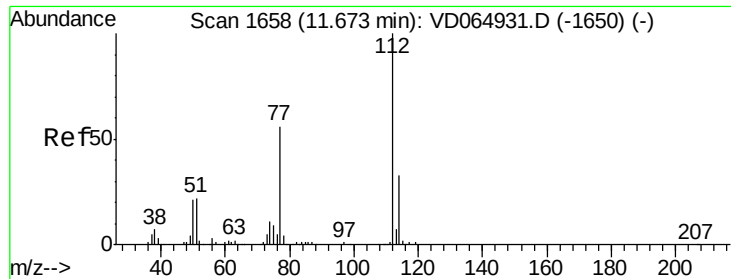
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#64
Tetrachloroethene
Concen: 46.956 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	101.4	152.2
129	92.4	71.8	107.8
131	85.9	66.8	100.2





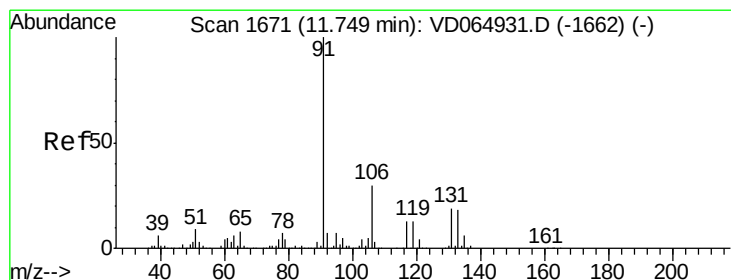
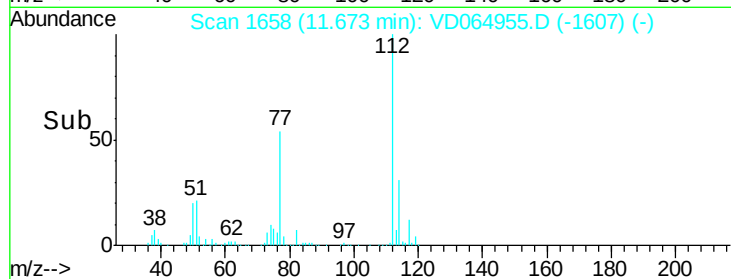
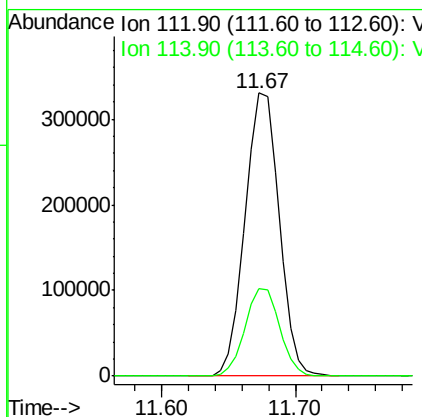
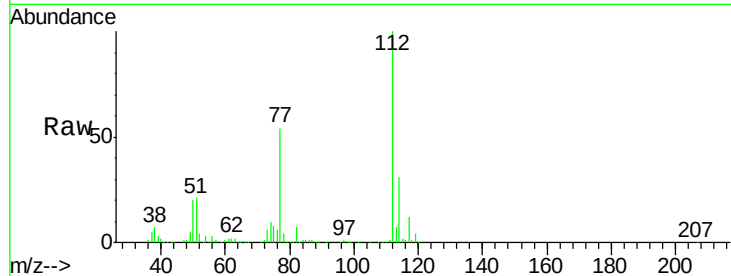
#65
Chlorobenzene
Concen: 49.697 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.8	26.2	39.4

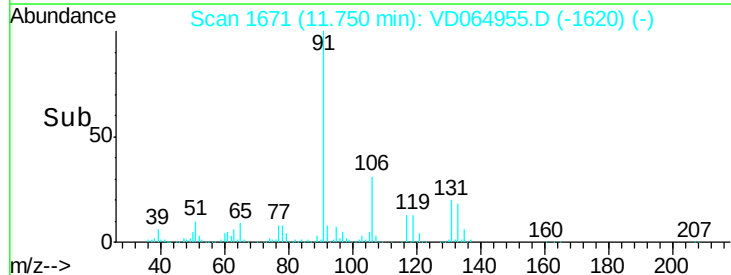
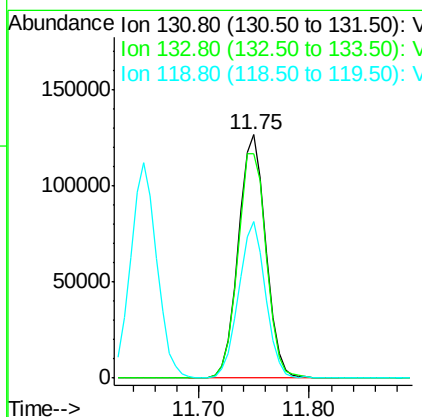
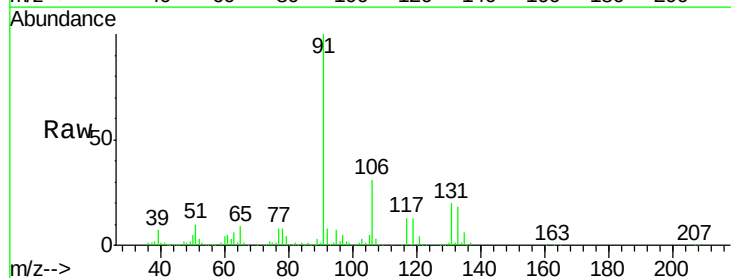
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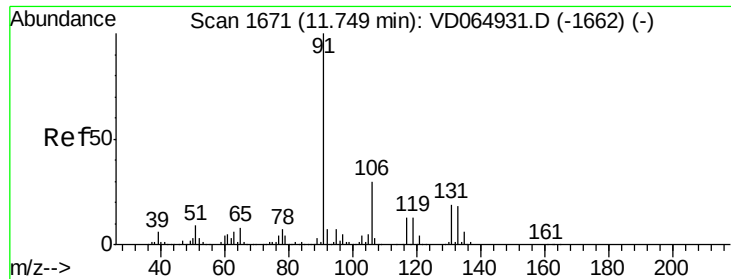
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.910 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.4	47.5	142.5
119	63.2	31.1	93.5





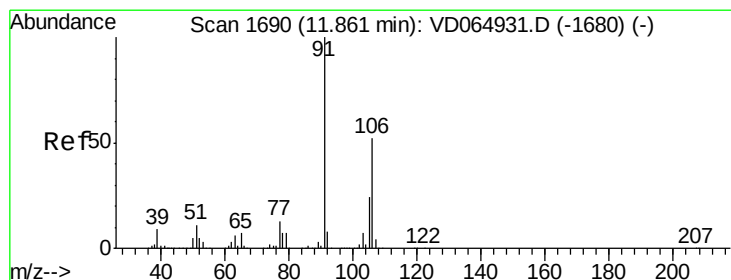
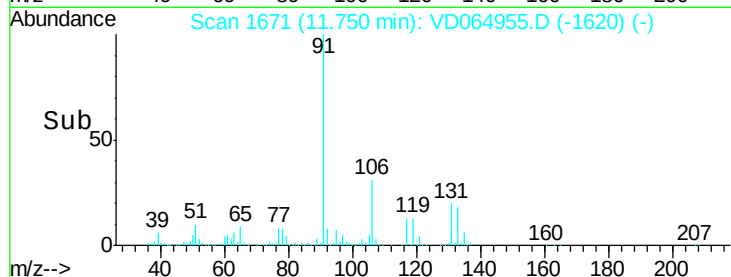
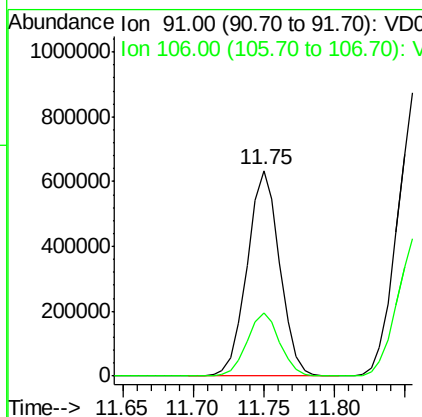
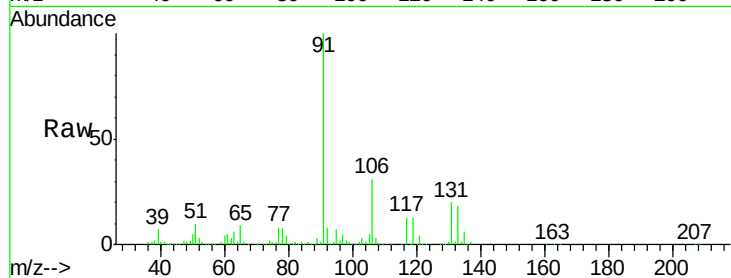
#67
Ethyl Benzene
Concen: 49.268 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1029797
Ion Ratio Lower Upper
91 100
106 30.8 24.3 36.5

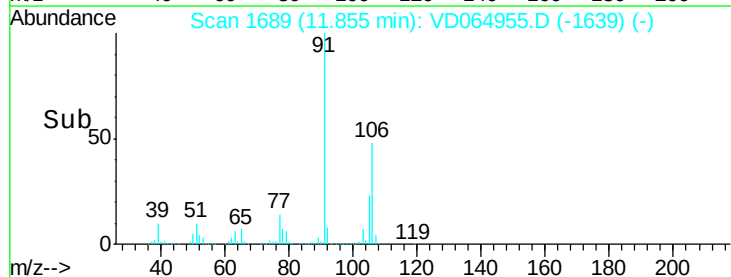
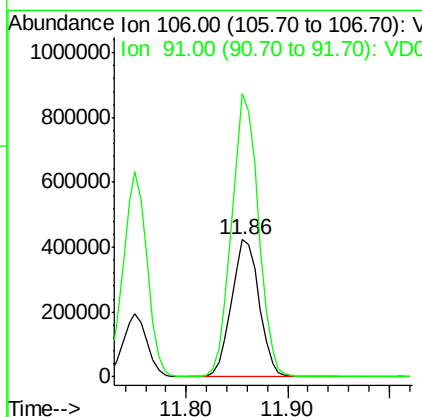
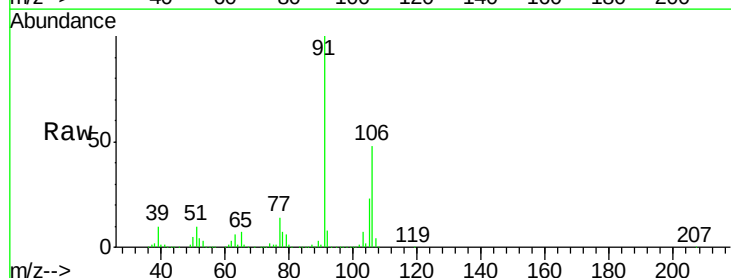
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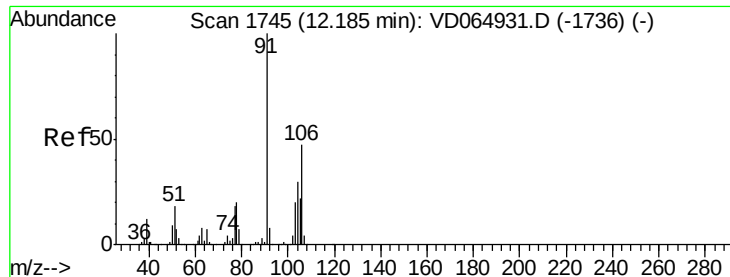
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#68
m/p-Xylenes
Concen: 99.838 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion: 106 Resp: 803470
Ion Ratio Lower Upper
106 100
91 199.7 159.0 238.4





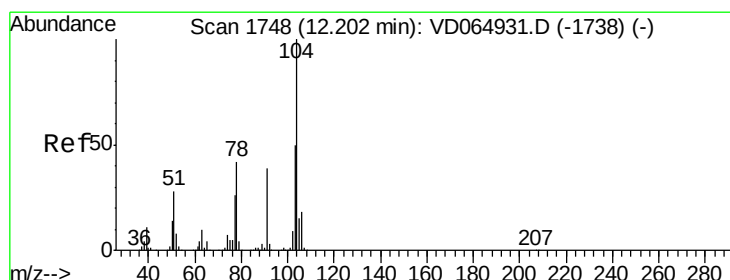
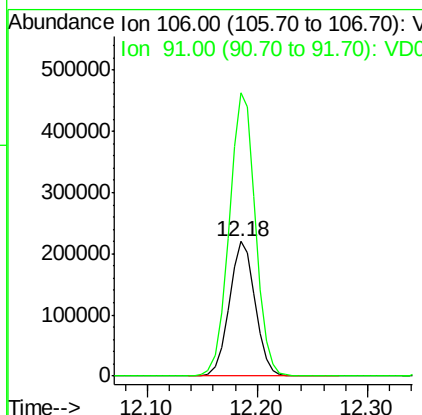
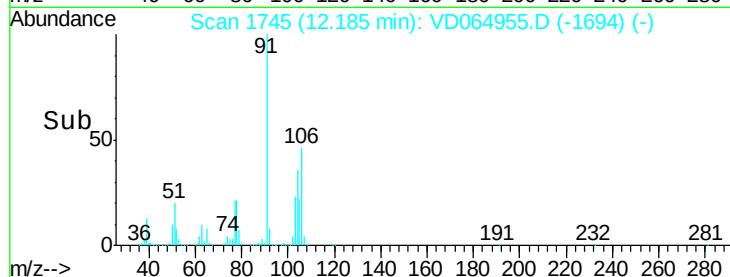
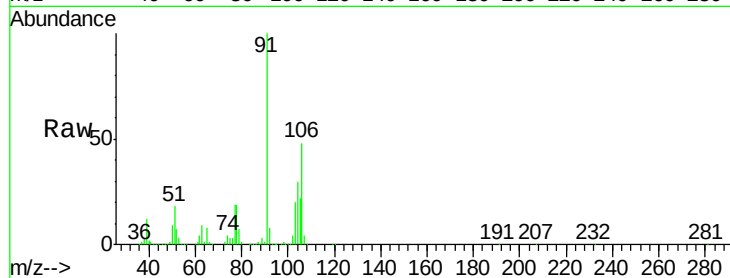
#69
o-Xylene
Concen: 50.459 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 360404
Ion Ratio Lower Upper
106 100
91 212.8 106.7 319.9

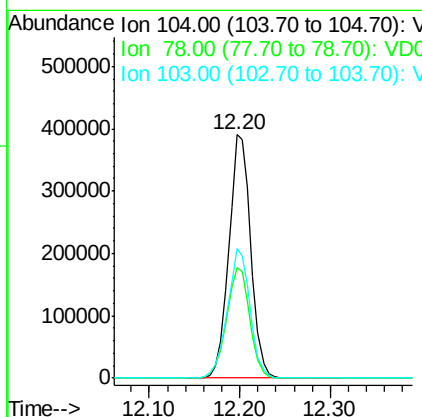
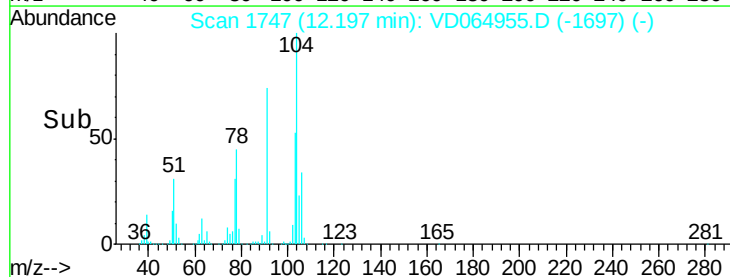
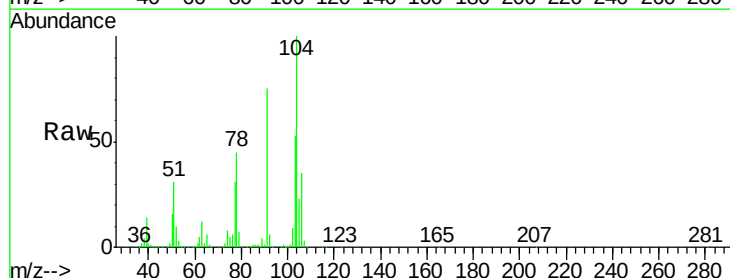
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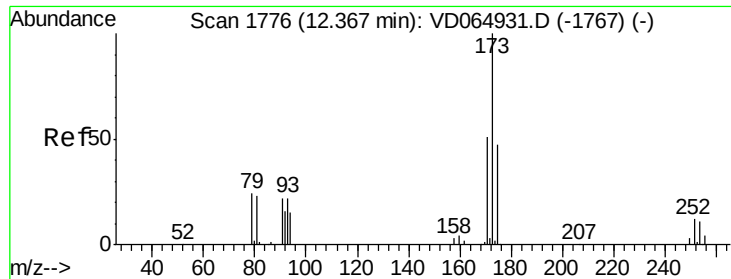
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#70
Styrene
Concen: 51.487 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion:104 Resp: 655085
Ion Ratio Lower Upper
104 100
78 48.2 38.3 57.5
103 54.9 43.5 65.3





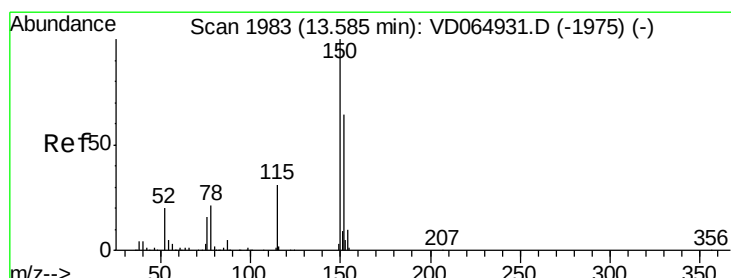
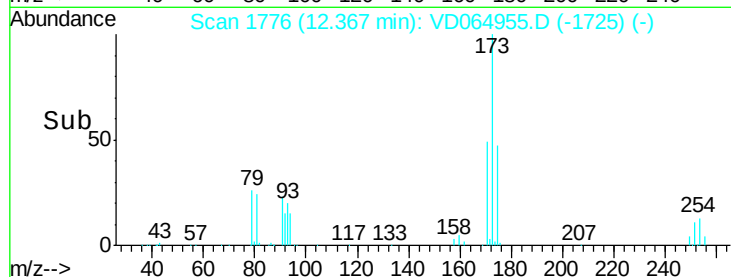
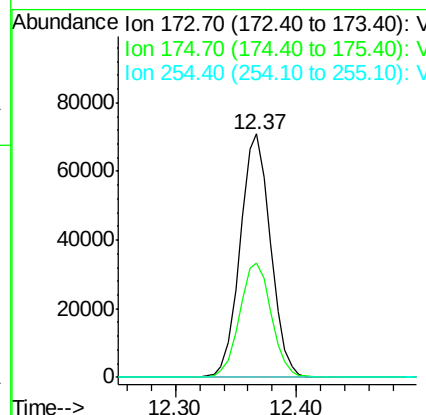
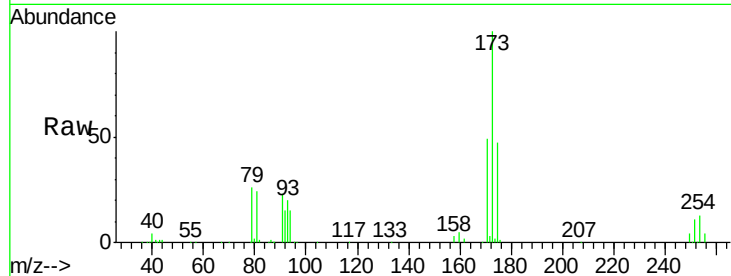
#71
Bromoform
Concen: 50.619 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.6	73.8
254	0.0	0.1	0.1#

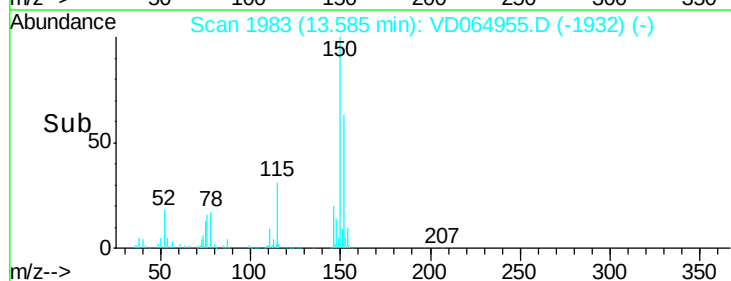
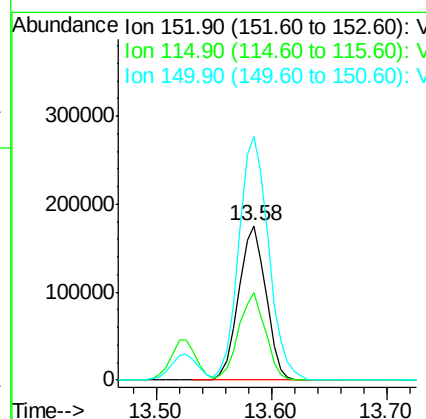
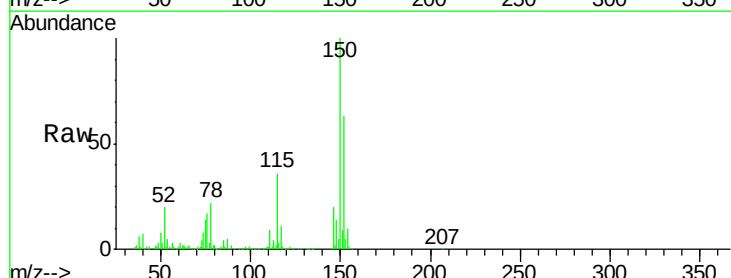
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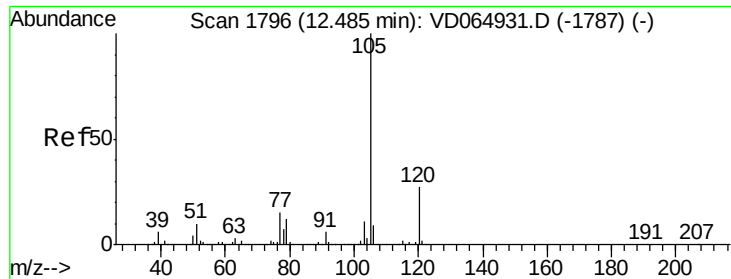
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.1	84.4
150	172.3	0.0	350.4





#73

Isopropylbenzene

Concen: 48.950 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 959142

Ion Ratio Lower Upper

105 100

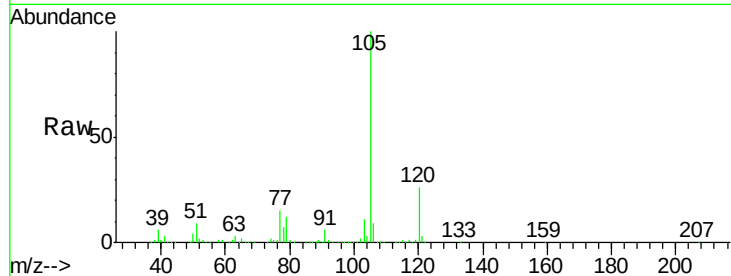
120 26.4 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

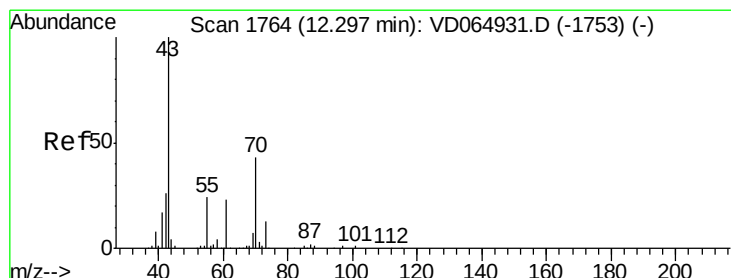
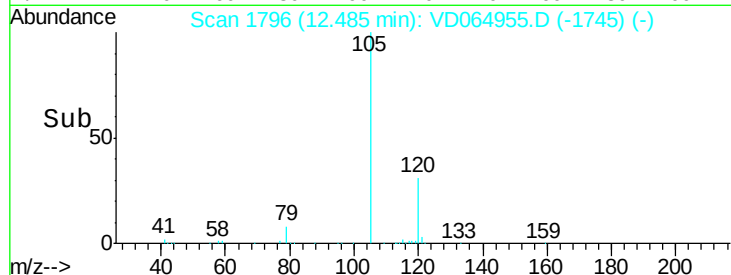
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 51.083 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Tgt Ion: 43 Resp: 223979

Ion Ratio Lower Upper

43 100

70 42.2 32.6 49.0

55 25.2 19.9 29.9

61 23.6 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.30

200000

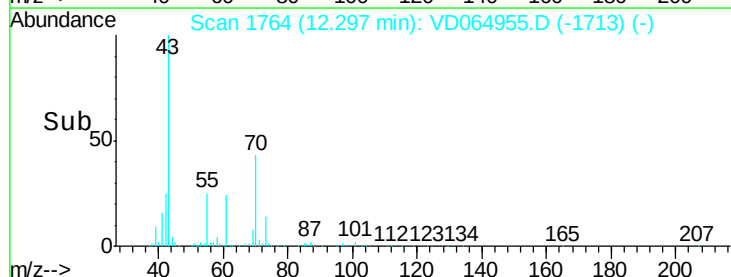
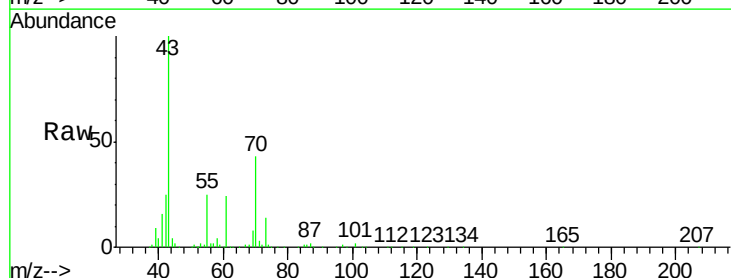
150000

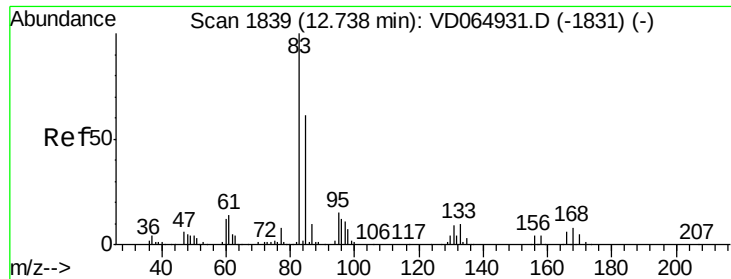
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.352 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

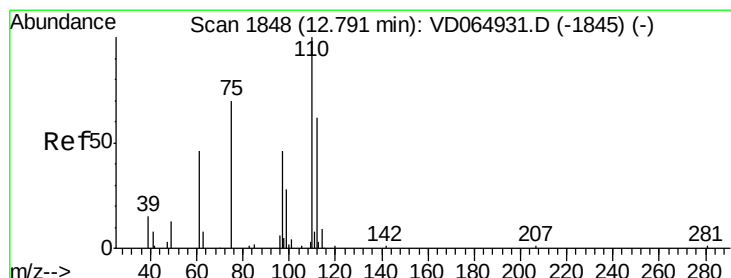
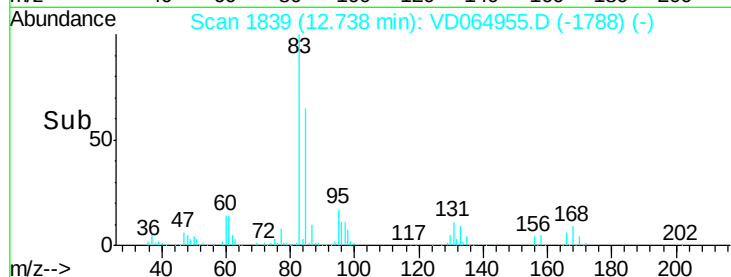
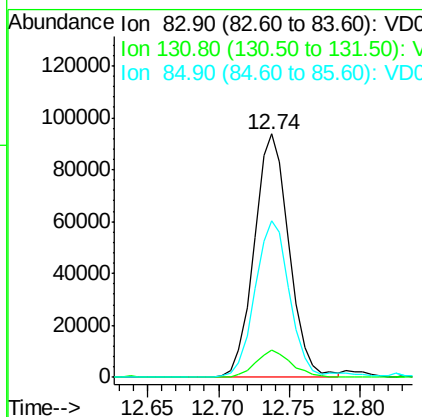
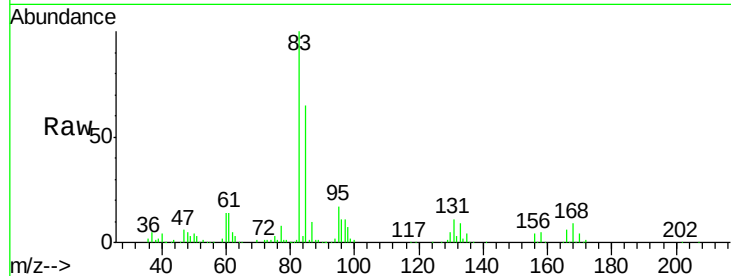
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	162529
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.5	16.4
85	63.6	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 45.401 ug/l m

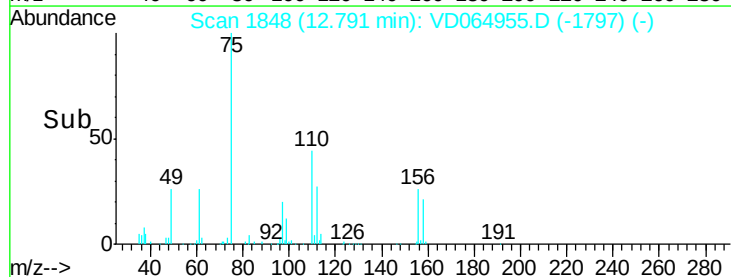
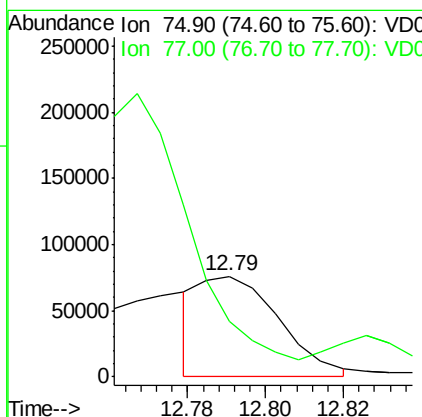
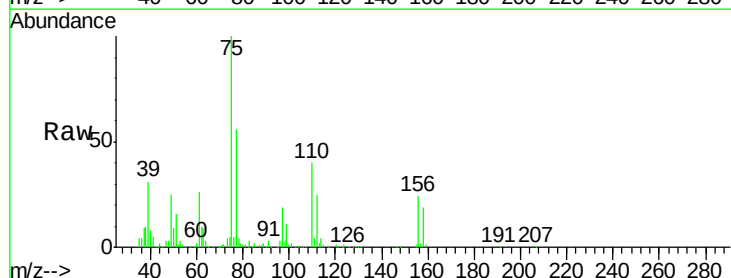
RT: 12.79 min Scan# 1848

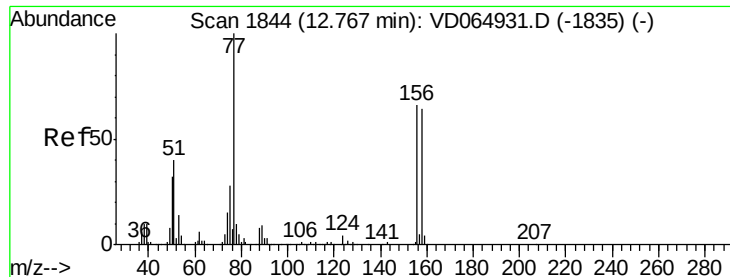
Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Tgt Ion:	75	Resp:	108031
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.829 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

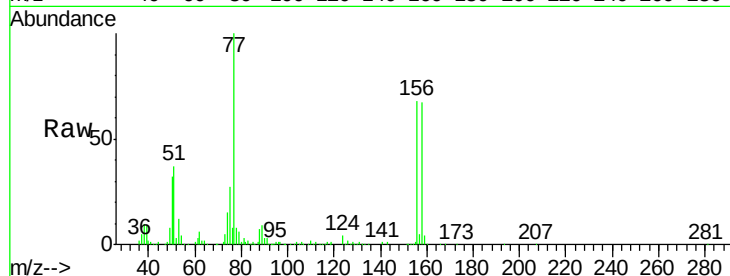
ClientSampleId :

VSTDCCC050EC

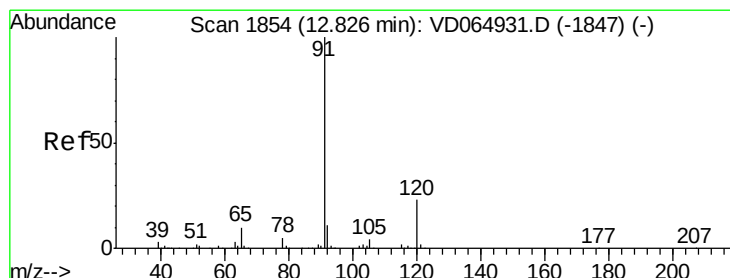
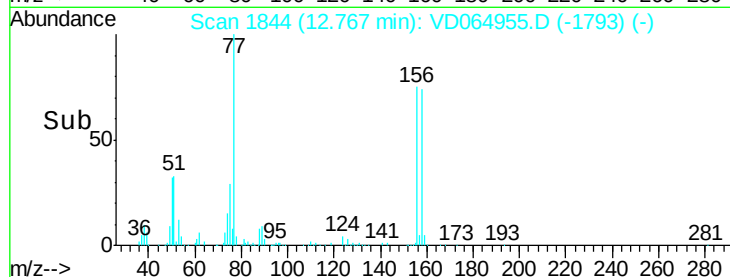
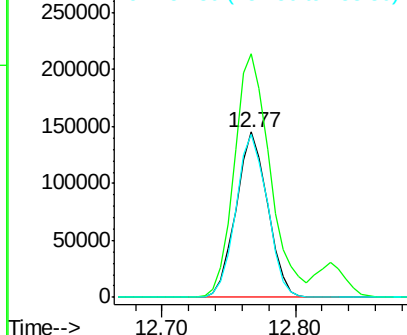
Tot Ion:	156	Resp:	238892
Ion Ratio	Lower	Upper	
156	100		
77	166.8	84.2	252.5
158	97.9	48.1	144.4

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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: 48.190 ug/l

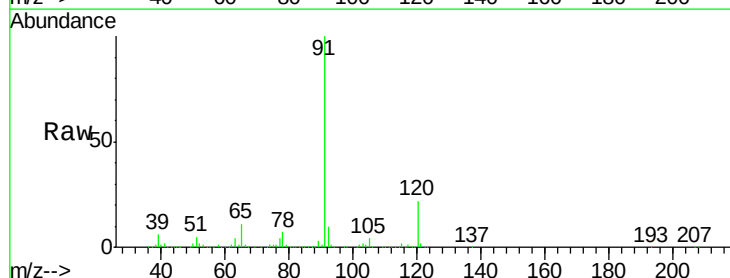
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

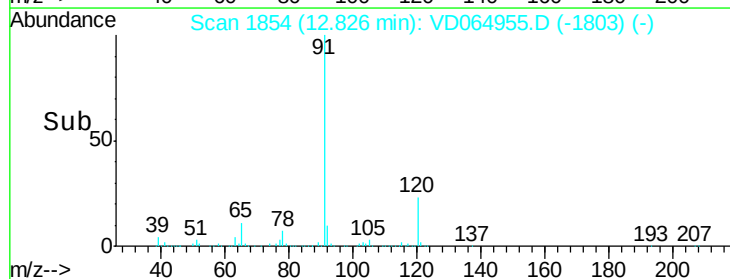
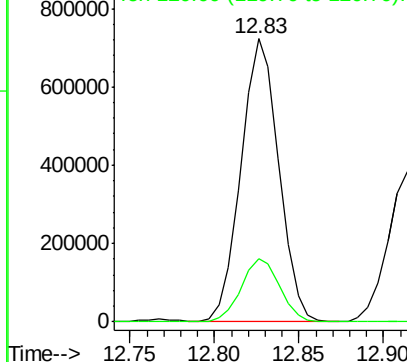
Lab File: VD064955.D

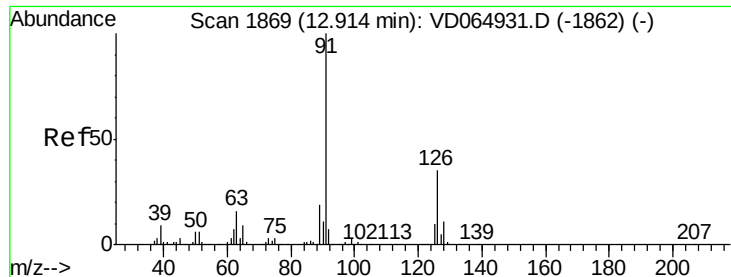
Acq: 24 Jan 2020 20:59

Tgt Ion:	91	Resp:	1122946
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





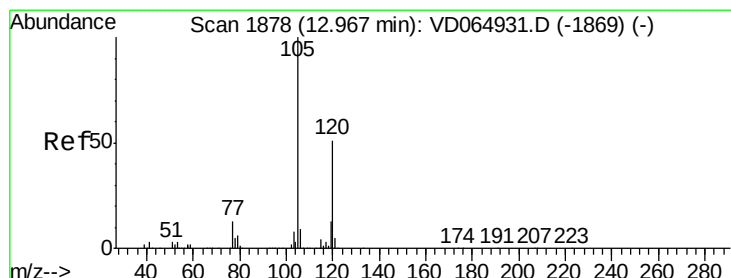
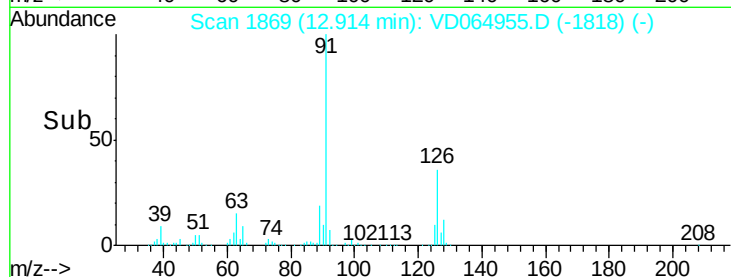
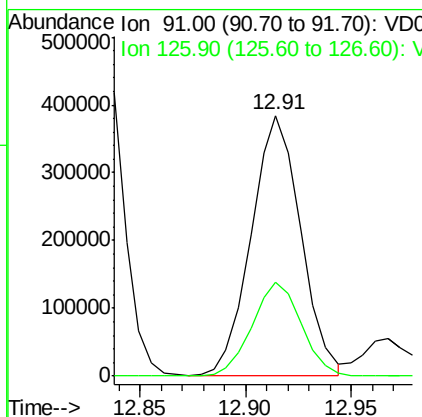
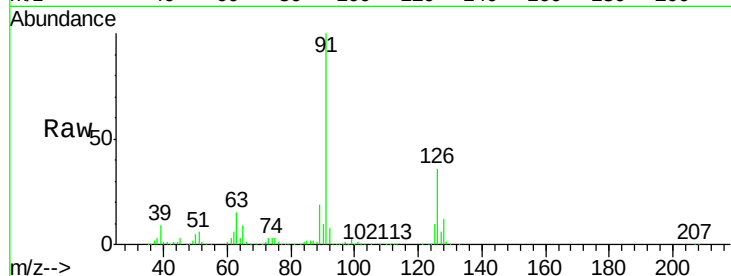
#79
 2-Chlorotoluene
 Concen: 48.942 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 625639
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.9 53.8

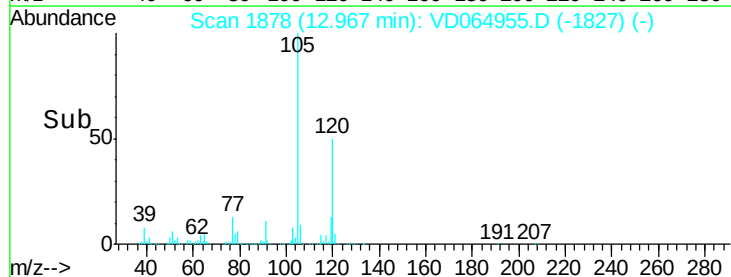
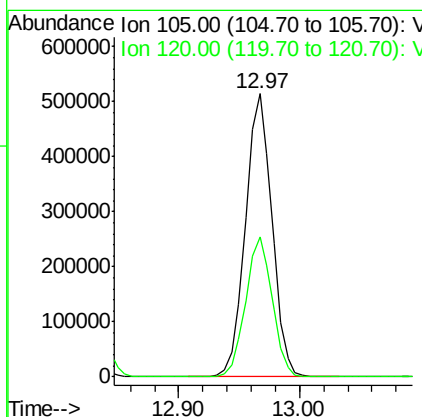
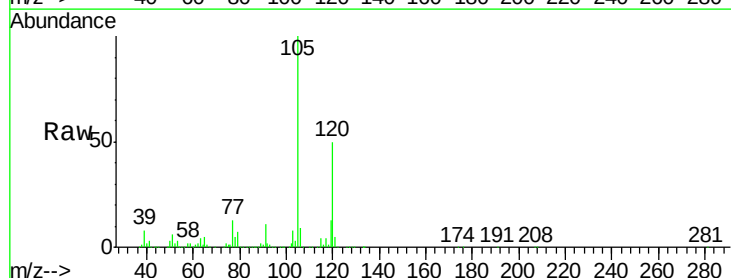
Manual Integrations
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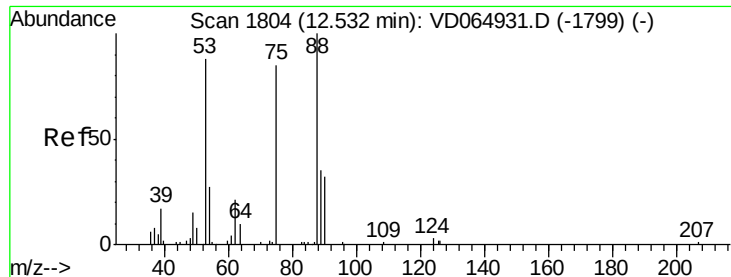
MMDadoda
 1/27/2020 12:03:19 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 49.255 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Tgt Ion: 105 Resp: 790904
 Ion Ratio Lower Upper
 105 100
 120 49.8 25.6 76.8





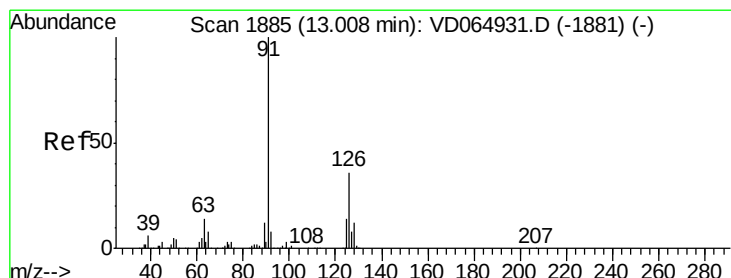
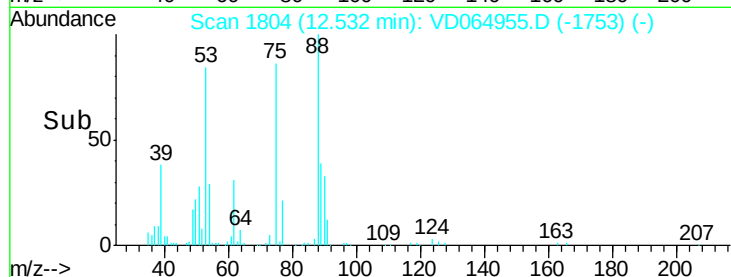
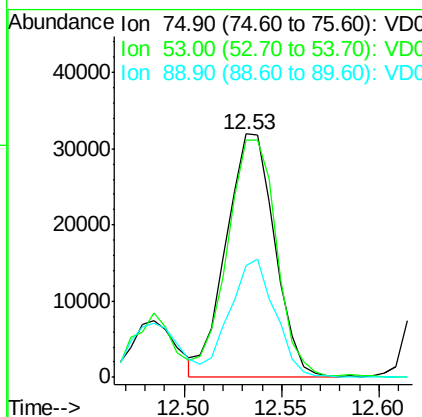
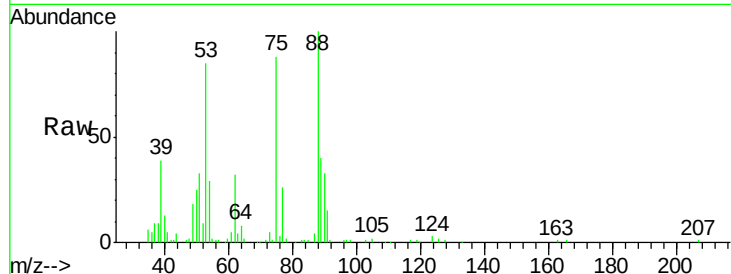
#81
trans-1,4-Dichloro-2-butene
Concen: 49.511 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.3	81.0	121.4
89	45.1	36.2	54.4

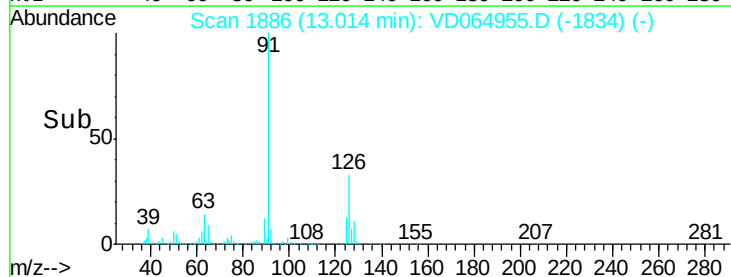
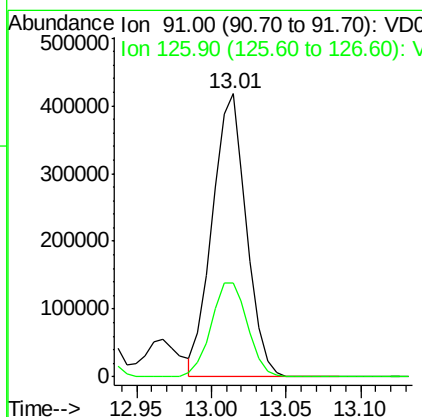
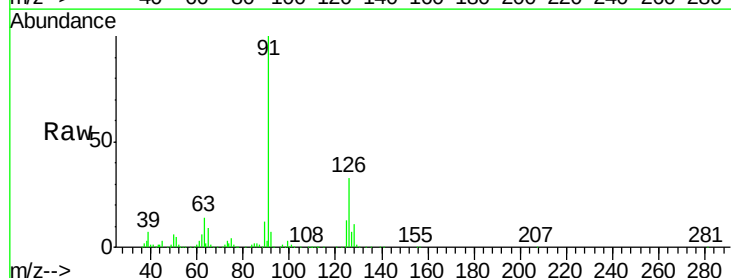
Manual Integrations
APPROVED

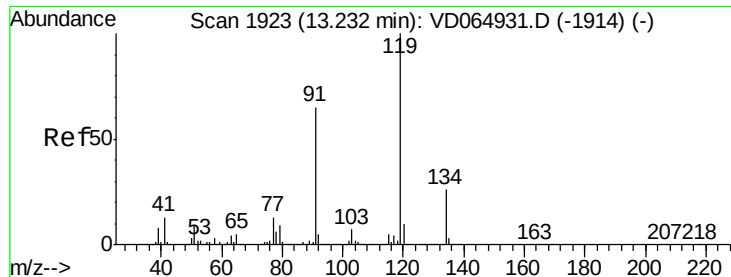
MMDadoda
1/27/2020 12:03:19 PM



#82
4-Chlorotoluene
Concen: 49.029 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	18.0	54.0





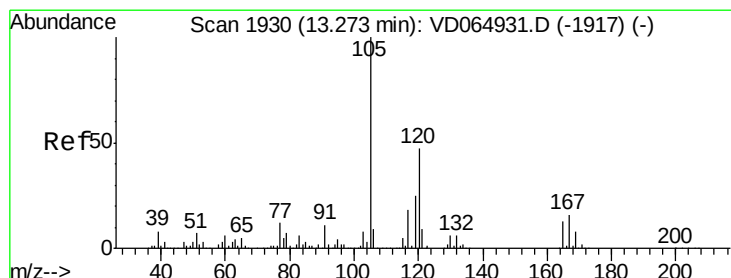
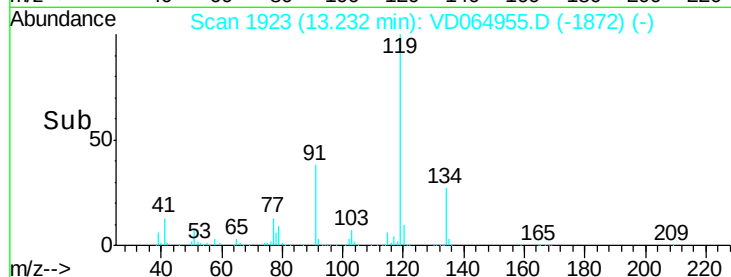
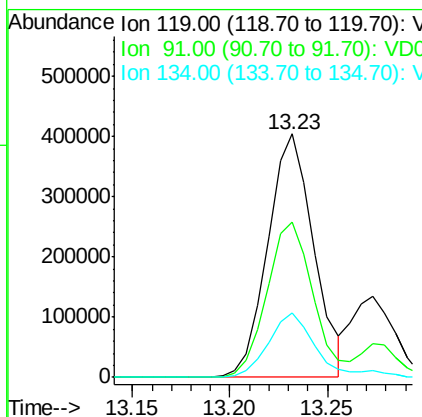
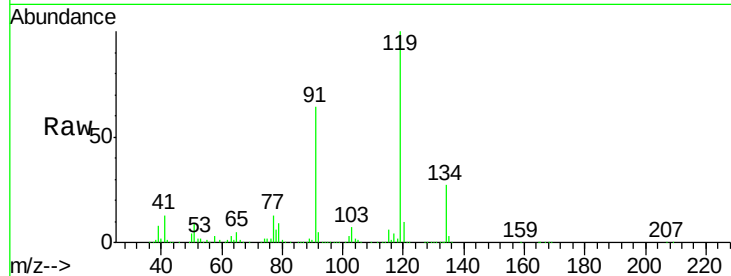
#83
tert-Butylbenzene
Concen: 48.365 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.7	32.0	96.0
134	27.9	13.9	41.6

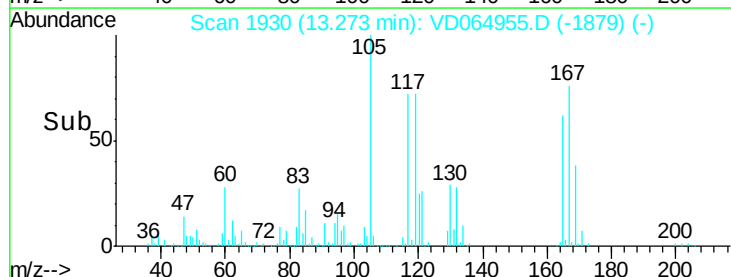
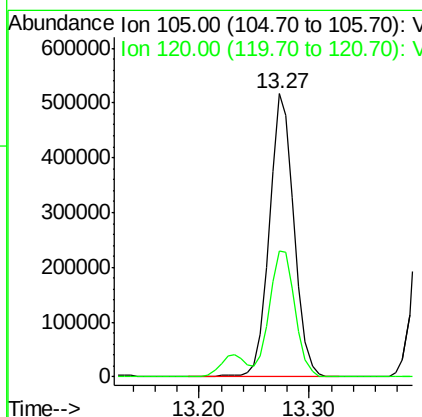
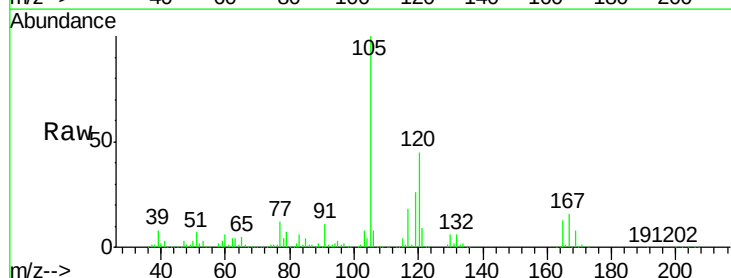
Manual Integrations
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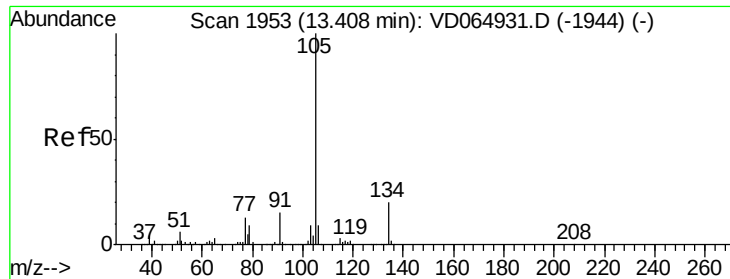
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 49.294 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.3





#85

sec-Butylbenzene

Concen: 47.369 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 913947

Ion Ratio Lower Upper

105 100

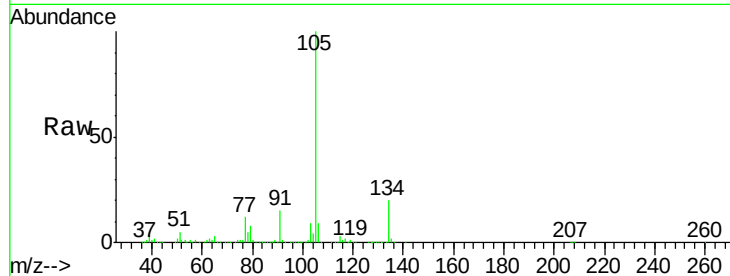
134 20.7 10.4 31.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

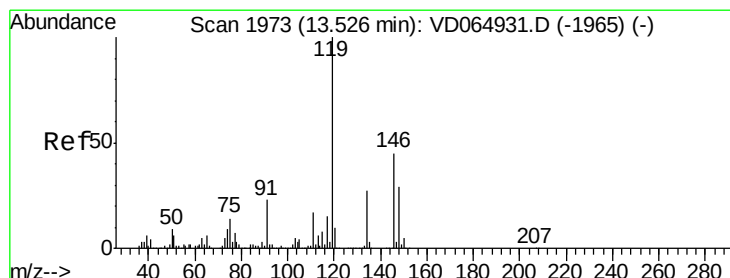
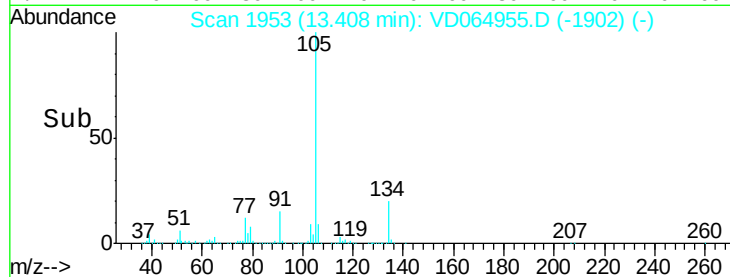
400000

200000

0

13.30 13.40 13.50

Time-->



#86

p-Isopropyltoluene

Concen: 48.189 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064955.D

Acq: 24 Jan 2020 20:59

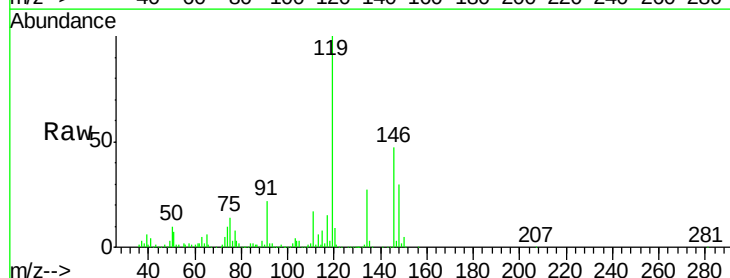
Tgt Ion:119 Resp: 870035

Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 22.3 11.4 34.2



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

800000

600000

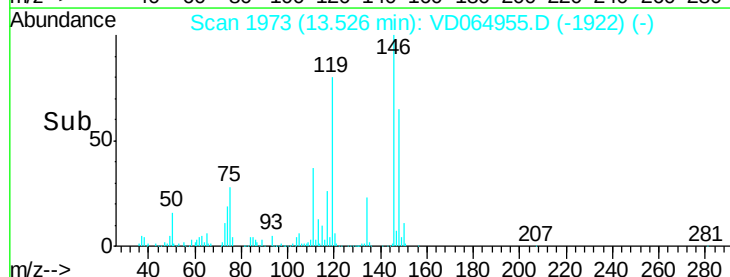
400000

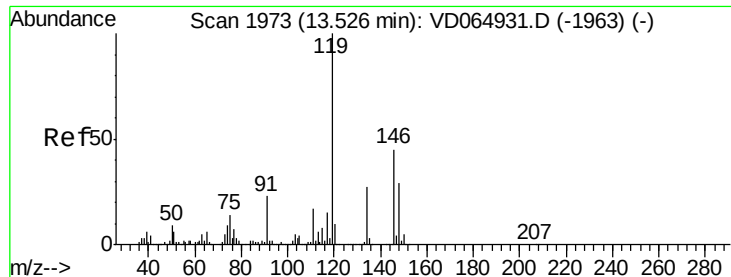
200000

0

13.45 13.50 13.55 13.60

Time-->





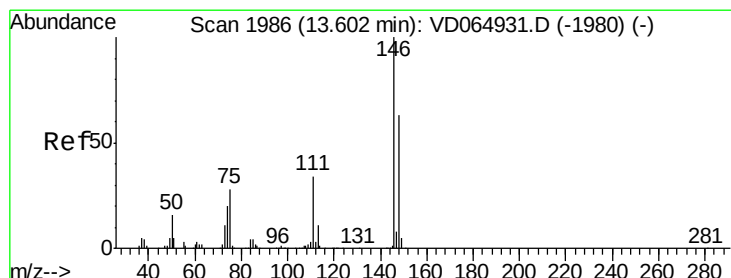
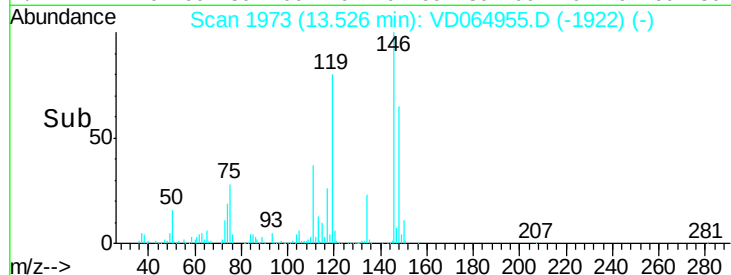
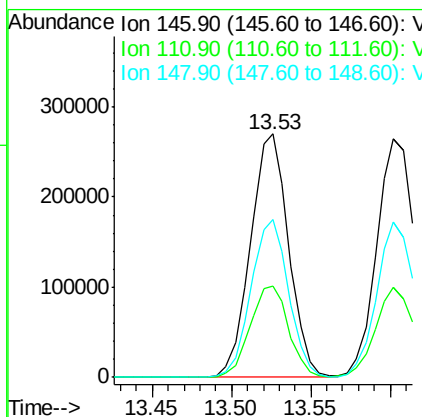
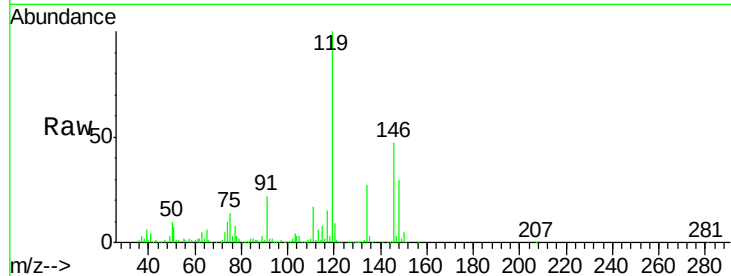
#87
 1,3-Dichlorobenzene
 Concen: 49.077 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.9	56.9
148	64.0	32.6	97.7

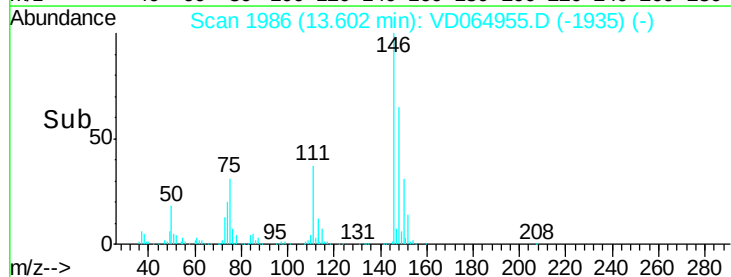
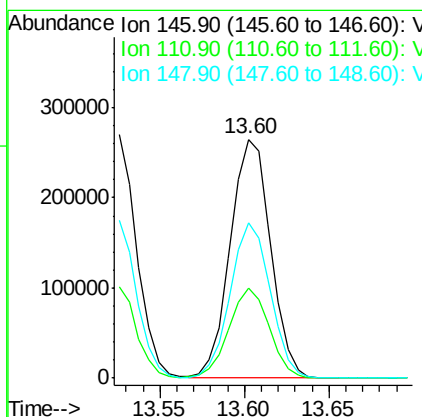
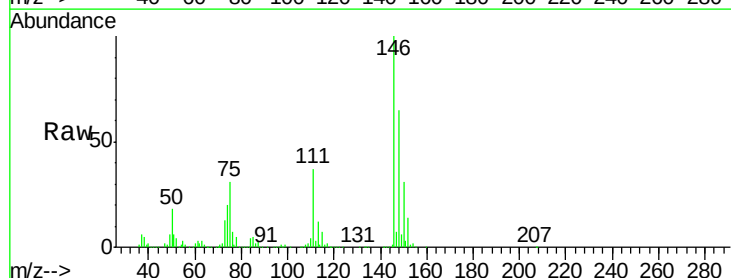
Manual Integrations
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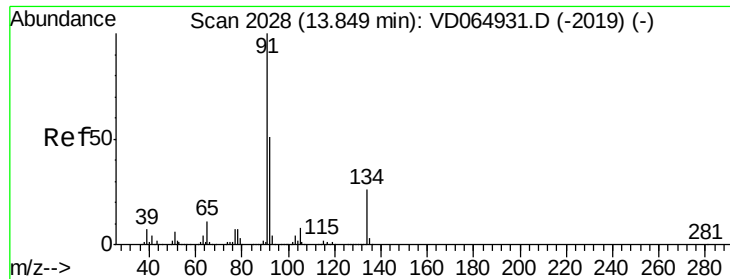
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 48.247 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.2	54.6
148	64.7	32.0	96.0





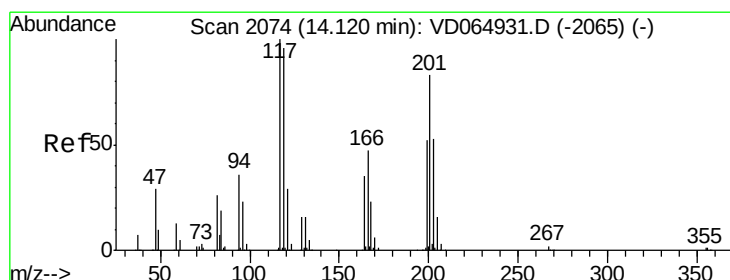
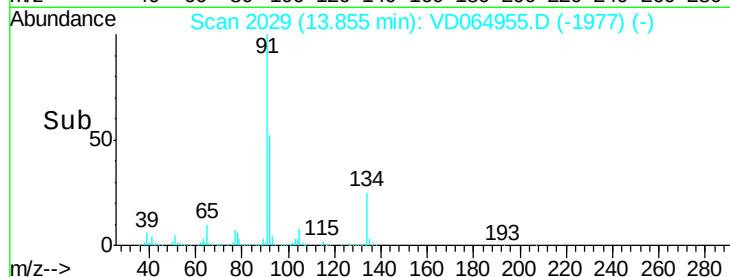
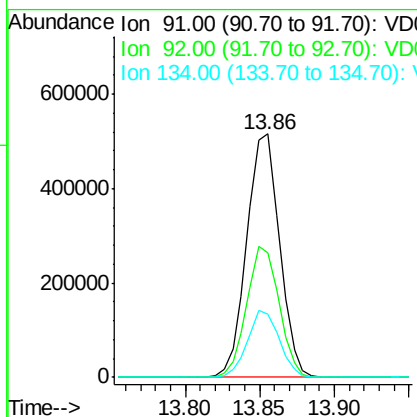
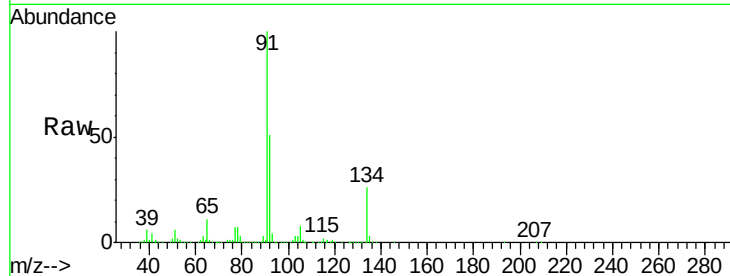
#89
n-Butylbenzene
Concen: 47.633 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	26.4	79.0
134	26.7	13.3	39.9

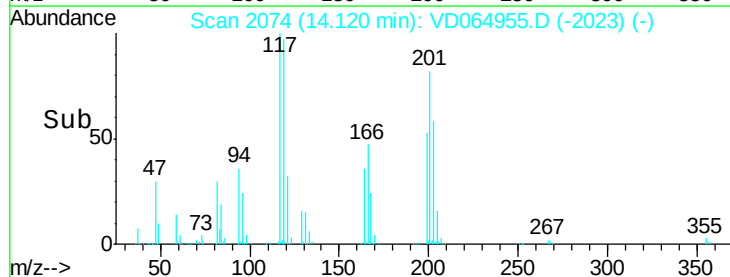
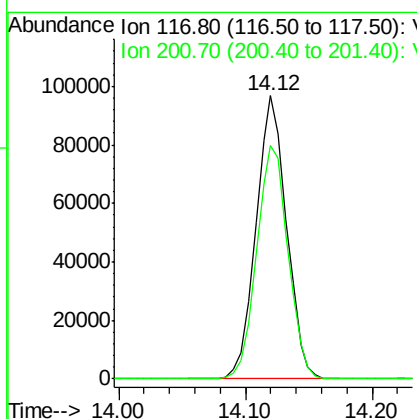
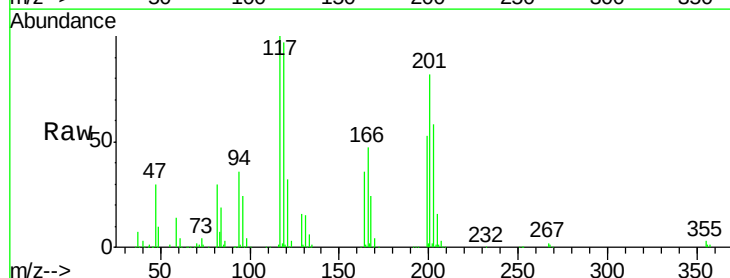
Manual Integrations
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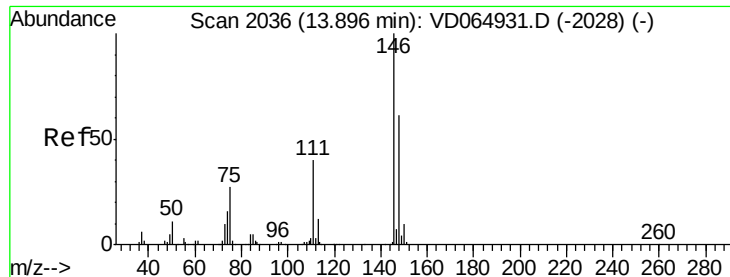
MMDadoda
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#90
Hexachloroethane
Concen: 46.661 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.5	41.1	123.3





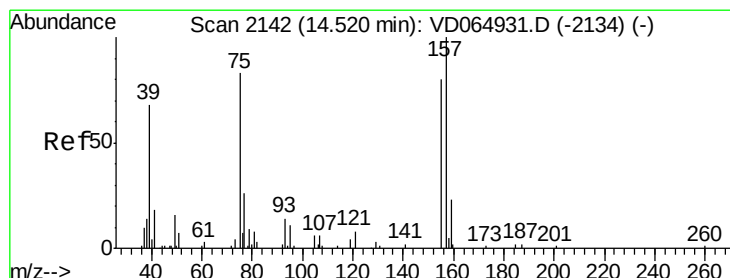
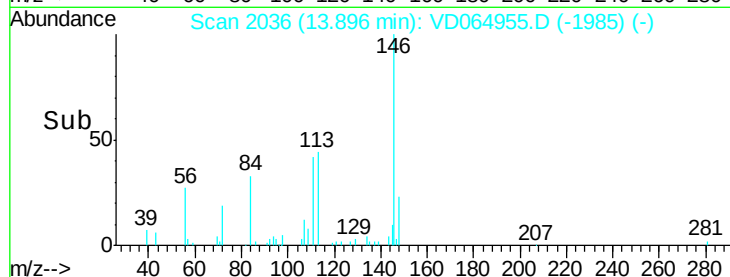
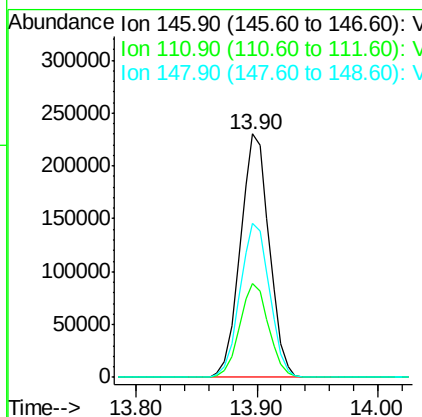
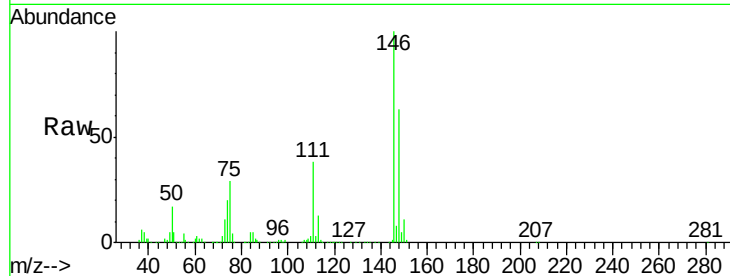
#91
 1,2-Dichlorobenzene
 Concen: 49.198 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.4	58.2
148	64.8	31.6	95.0

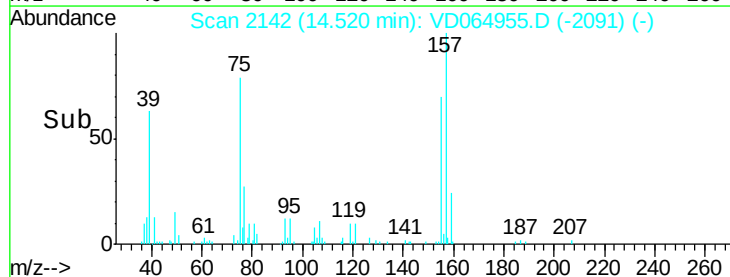
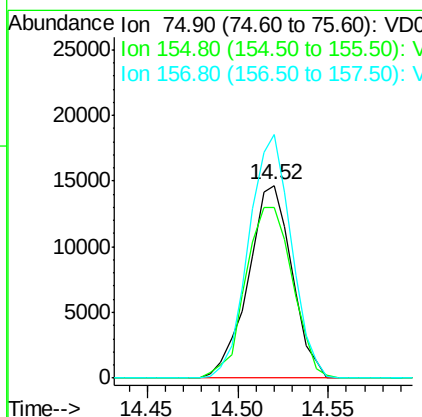
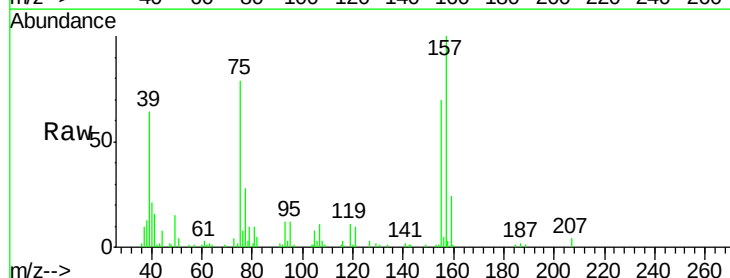
Manual Integrations
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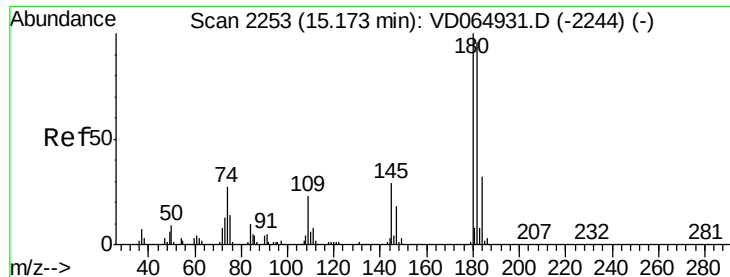
MMDadoda
 1/27/2020 12:03:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.490 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	44.9	134.7
157	123.4	58.9	176.6





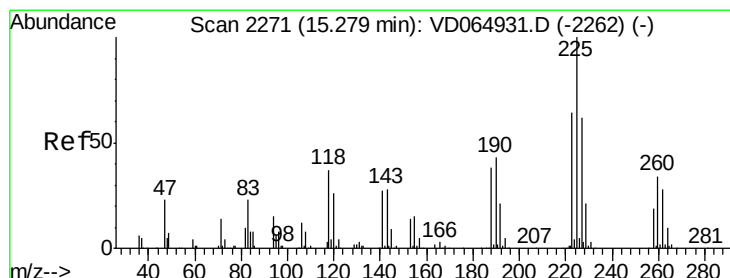
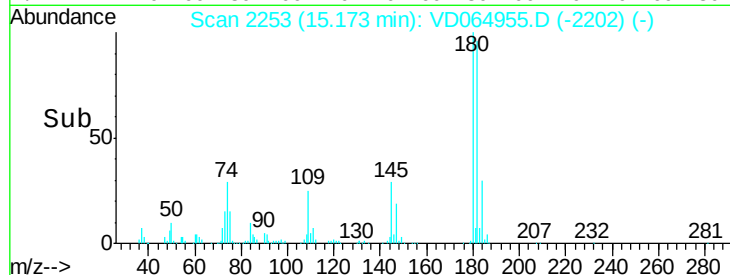
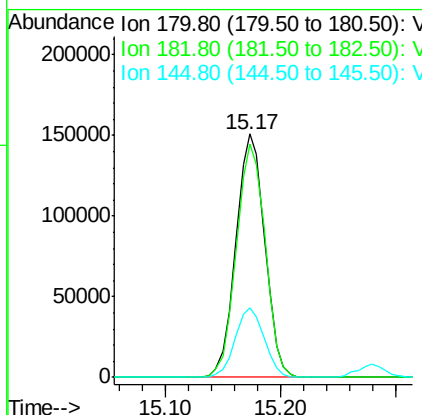
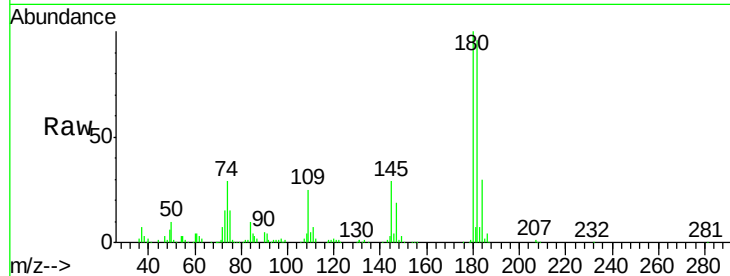
#93
 1,2,4-Trichlorobenzene
 Concen: 48.196 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	260384		
182	96.0	47.1	141.4	
145	28.5	14.1	42.3	

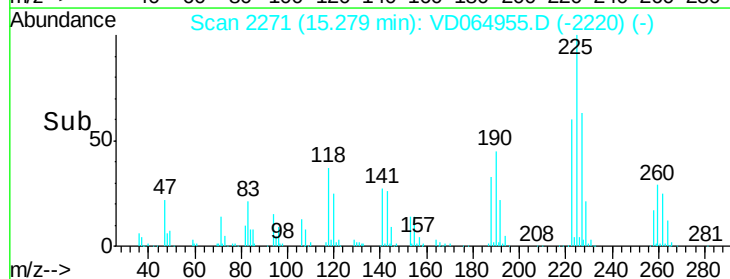
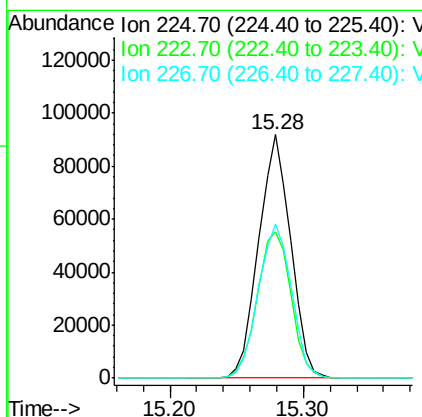
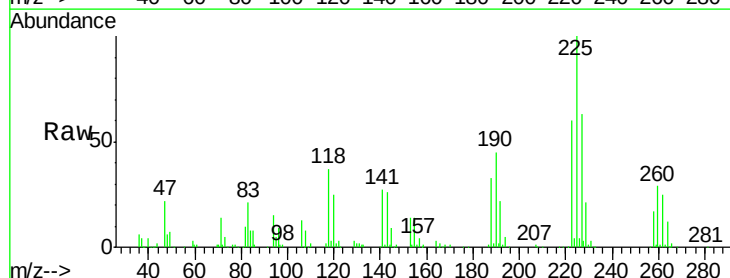
Manual Integrations
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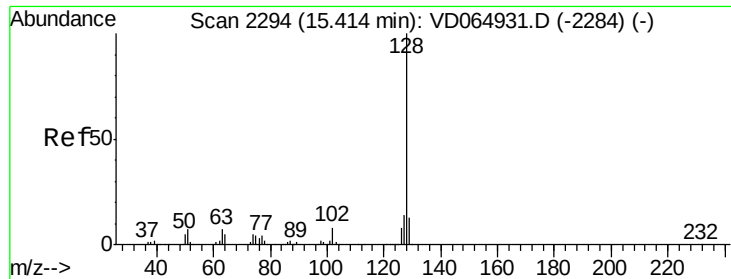
MMDadoda
 1/27/2020 12:03:19 PM



#94
 Hexachlorobutadiene
 Concen: 44.566 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064955.D
 Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	152297		
223	63.2	32.4	97.2	
227	65.7	31.9	95.9	





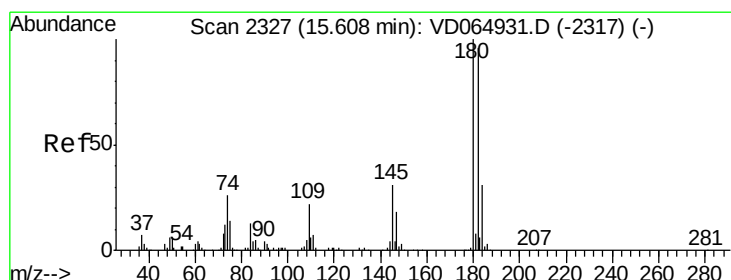
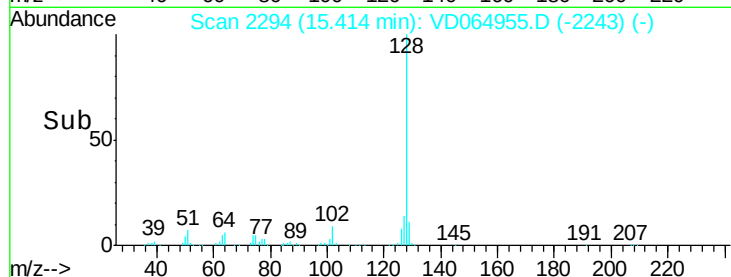
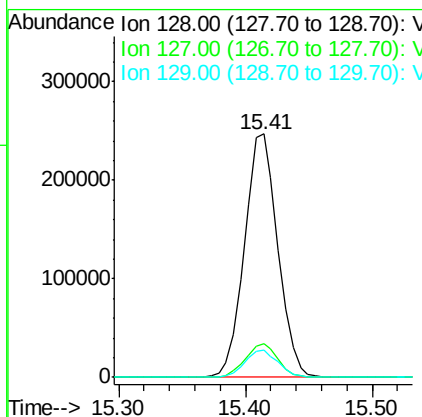
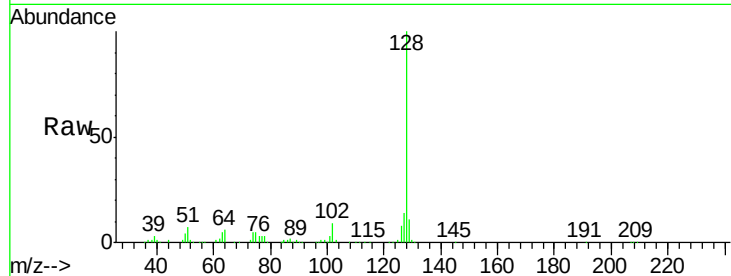
#95
Naphthalene
Concen: 51.634 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	15.8
129	11.1	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
1/27/2020 12:03:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 48.804 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064955.D
Acq: 24 Jan 2020 20:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.3	141.8
145	29.0	14.6	43.8

