

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012720\
 Data File : VD064971.D
 Acq On : 27 Jan 2020 18:48
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/28/2020 3:40:11 PM

Quant Time: Jan 27 22:56:07 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	430202	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	664241	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	598059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	298403	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	237511	57.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.12%	
35) Dibromofluoromethane	7.92	113	227383	54.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.94%	
50) Toluene-d8	10.34	98	890407	55.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.54%	
62) 4-Bromofluorobenzene	12.64	95	279041	56.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	163252	50.372	ug/l	96
3) Chloromethane	2.21	50	244373	51.447	ug/l	95
4) Vinyl Chloride	2.35	62	271115	49.695	ug/l	96
5) Bromomethane	2.77	94	177353	48.327	ug/l	96
6) Chloroethane	2.93	64	184597	51.324	ug/l	99
7) Trichlorofluoromethane	3.27	101	411287	48.814	ug/l	98
8) Diethyl Ether	3.71	74	101751	53.495	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	197000	50.256	ug/l	99
10) Methyl Iodide	4.29	142	235942	56.704	ug/l	100
11) Tert butyl alcohol	5.26	59	58258	255.476	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	186643	49.841	ug/l	99
13) Acrolein	3.93	56	86224	301.621	ug/l	96
14) Allyl chloride	4.71	41	327353	54.809	ug/l	98
15) Acrylonitrile	5.43	53	230156	279.426	ug/l	99
16) Acetone	4.17	43	192015	191.593	ug/l	99
17) Carbon Disulfide	4.40	76	629570	51.082	ug/l	98
18) Methyl Acetate	4.73	43	107793	55.775	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	471826	56.389	ug/l	99
20) Methylene Chloride	4.96	84	221252	55.891	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	230315	53.382	ug/l	95
22) Diisopropyl ether	6.37	45	674923	56.702	ug/l	97
23) Vinyl Acetate	6.31	43	2000615	287.072	ug/l	99
24) 1,1-Dichloroethane	6.27	63	390109	53.380	ug/l	97
25) 2-Butanone	7.23	43	290732	260.781	ug/l	97
26) 2,2-Dichloropropane	7.21	77	336294	50.731	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	248812	54.030	ug/l	100
28) Bromochloromethane	7.55	49	170442	58.316	ug/l	99
29) Tetrahydrofuran	7.57	42	190295	276.646	ug/l	99
30) Chloroform	7.71	83	402658	53.299	ug/l	98
31) Cyclohexane	7.99	56	345145	48.008	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	364580	51.875	ug/l	100
36) 1,1-Dichloropropene	8.11	75	305276	47.661	ug/l	98
37) Ethyl Acetate	7.30	43	136733	51.681	ug/l	97
38) Carbon Tetrachloride	8.10	117	323783	47.826	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	355145	47.426	ug/l	98
40) Benzene	8.36	78	890010	50.452	ug/l	97
41) Methacrylonitrile	7.54	41	88794	62.302	ug/l	95
42) 1,2-Dichloroethane	8.43	62	272171	51.794	ug/l	97
43) Isopropyl Acetate	8.46	43	267531	53.234	ug/l	98
44) Trichloroethene	9.11	130	246947	50.019	ug/l	98
45) 1,2-Dichloropropane	9.39	63	220829	51.638	ug/l	100
46) Dibromomethane	9.48	93	121975	52.242	ug/l	96
47) Bromodichloromethane	9.67	83	313559	51.611	ug/l	100
48) Methyl methacrylate	9.46	41	128070	55.377	ug/l	98
49) 1,4-Dioxane	9.47	88	29374	1084.770	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	681294	270.933	ug/l	98
52) Toluene	10.41	92	576488	50.687	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	304370	52.594	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	356898	52.674	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	161113	51.229	ug/l	93
56) Ethyl methacrylate	10.67	69	209337	55.662	ug/l	99
57) 1,3-Dichloropropane	10.95	76	284783	52.795	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	335314	268.372	ug/l	99
59) 2-Hexanone	10.99	43	458226	264.181	ug/l	99
60) Dibromochloromethane	11.15	129	219871	52.307	ug/l	99
61) 1,2-Dibromoethane	11.26	107	158947	52.488	ug/l	98
64) Tetrachloroethene	10.88	164	214774	49.696	ug/l	98
65) Chlorobenzene	11.68	112	608036	50.074	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	237192	51.939	ug/l	98
67) Ethyl Benzene	11.75	91	1098900	50.975	ug/l	99
68) m/p-Xylenes	11.86	106	853429	102.821	ug/l	99
69) o-Xylene	12.19	106	388655	52.760	ug/l	99
70) Styrene	12.20	104	696543	53.080	ug/l	99
71) Bromoform	12.37	173	129990	51.206	ug/l	99
73) Isopropylbenzene	12.49	105	1031055	50.553	ug/l	100
74) N-amyl acetate	12.30	43	243158	53.279	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	173584	50.639	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	100920m	40.747	ug/l	
77) Bromobenzene	12.77	156	250904	50.279	ug/l	98
78) n-propylbenzene	12.83	91	1208742	49.834	ug/l	100
79) 2-Chlorotoluene	12.92	91	670626	50.400	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	852155	50.984	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	59631	51.408	ug/l	99
82) 4-Chlorotoluene	13.01	91	713131	50.537	ug/l	99
83) tert-Butylbenzene	13.23	119	728260	51.344	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	858037	50.677	ug/l	99
85) sec-Butylbenzene	13.41	105	984261	49.009	ug/l	99
86) p-Isopropyltoluene	13.53	119	944611	50.264	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	481258	50.263	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	476034	50.092	ug/l	99
89) n-Butylbenzene	13.86	91	856379	49.933	ug/l	100
90) Hexachloroethane	14.13	117	178482	49.249	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	415817	51.154	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	29039	52.936	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	291695	51.870	ug/l	99
94) Hexachlorobutadiene	15.28	225	165626	46.563	ug/l	99
95) Naphthalene	15.41	128	492927	54.312	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	251322	51.543	ug/l	100

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

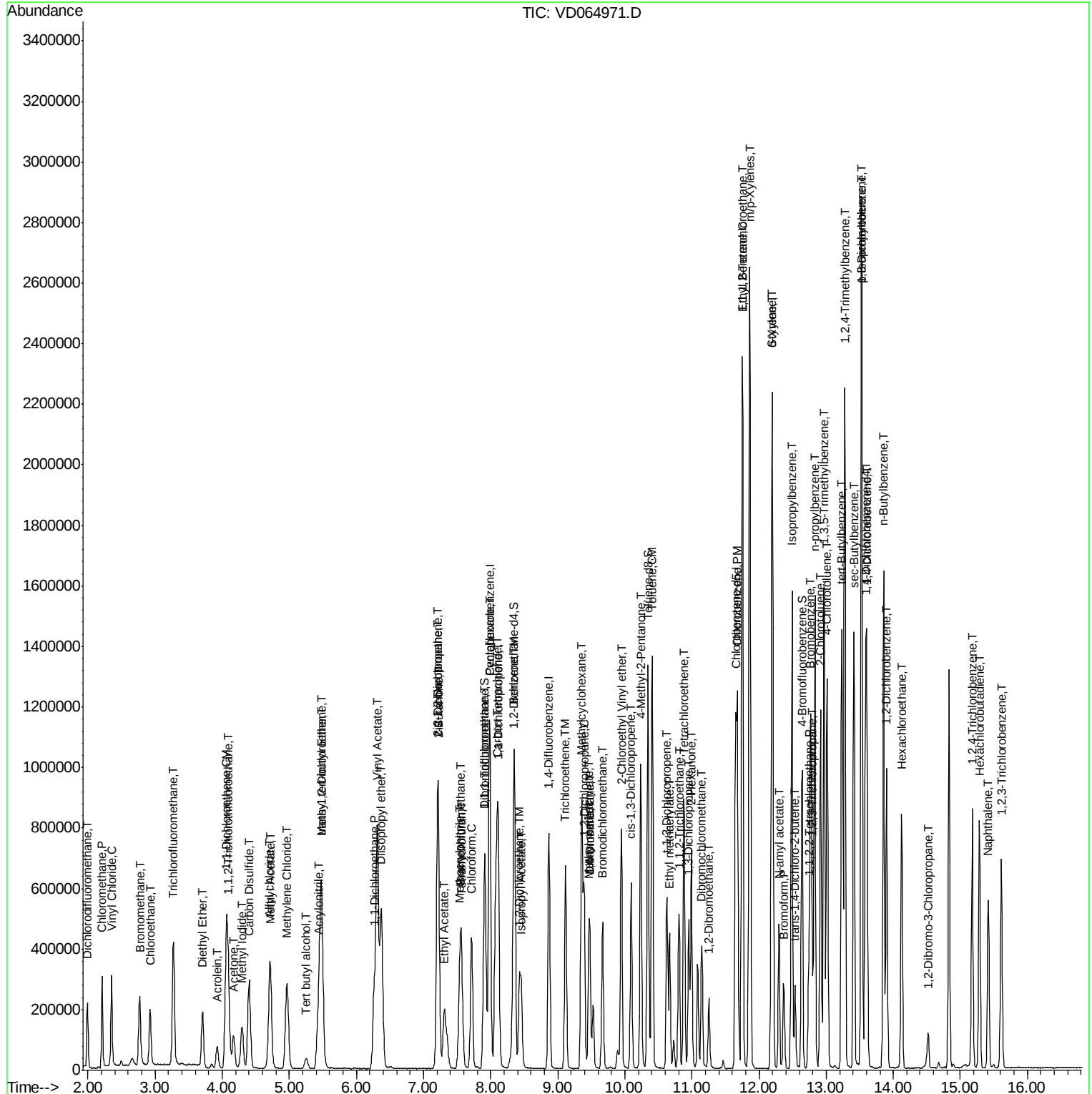
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD012720\
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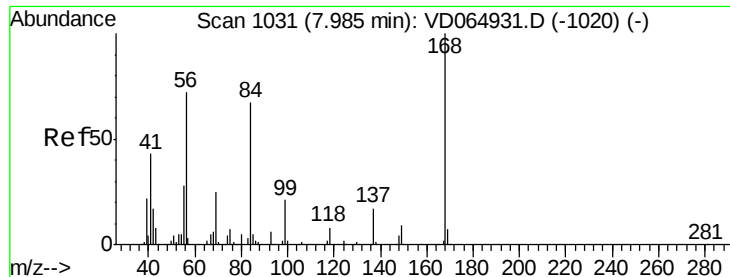
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 430202

Ion Ratio Lower Upper

168 100

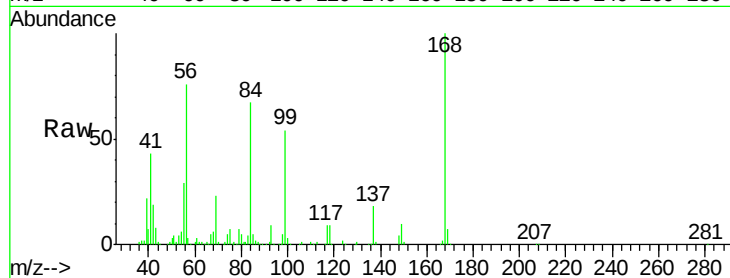
99 53.5 43.3 64.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

200000

150000

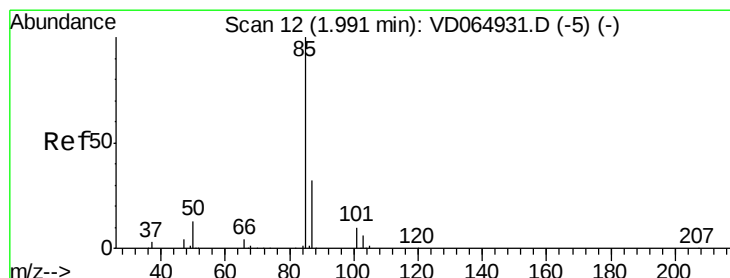
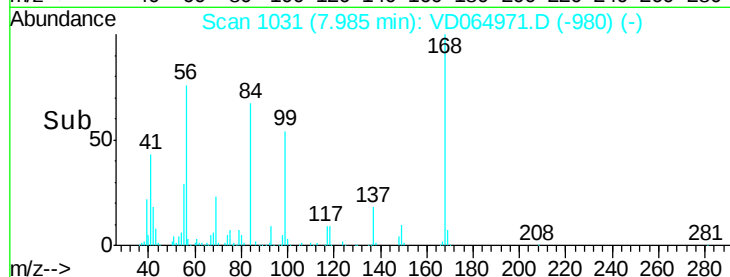
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.372 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064971.D

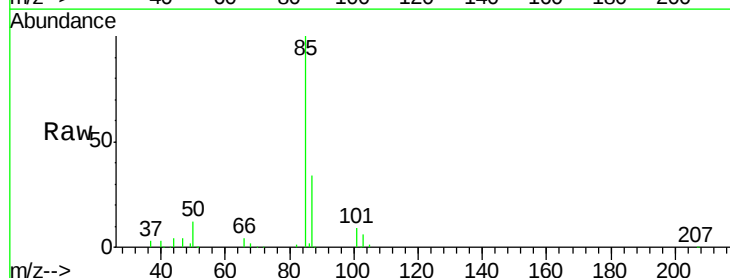
Acq: 27 Jan 2020 18:48

Tgt Ion: 85 Resp: 163252

Ion Ratio Lower Upper

85 100

87 34.0 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

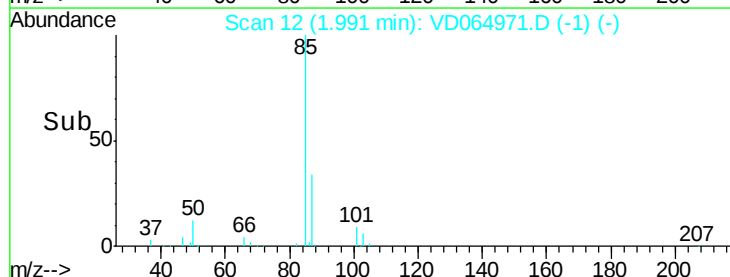
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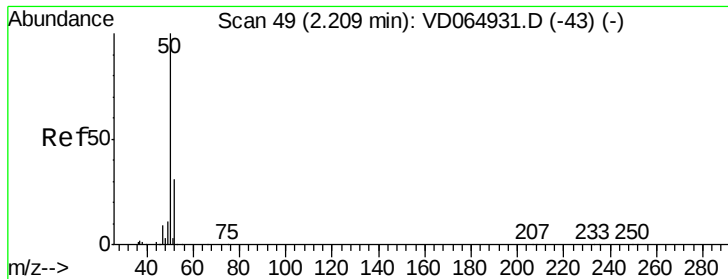
50000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 51.447 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 244373

Ion Ratio Lower Upper

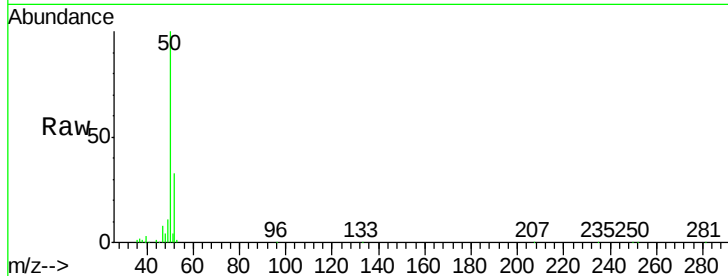
50 100

52 33.2 24.6 36.8

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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

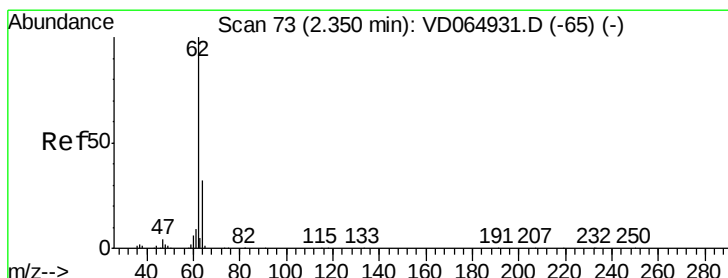
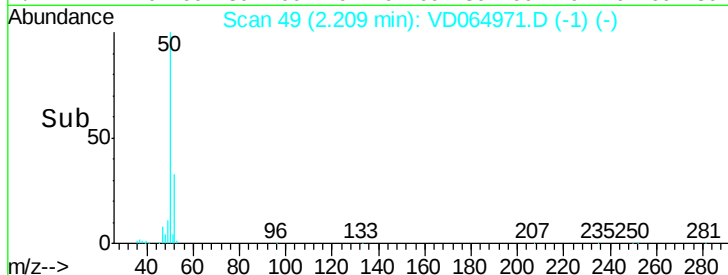
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.695 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064971.D

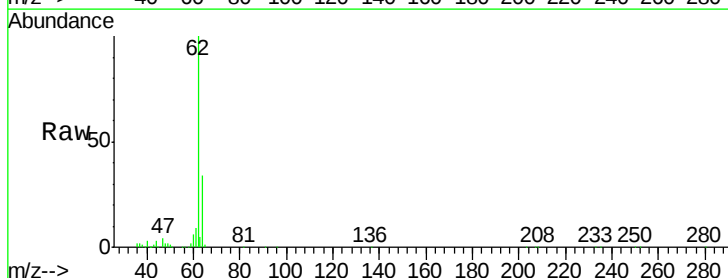
Acq: 27 Jan 2020 18:48

Tgt Ion: 62 Resp: 271115

Ion Ratio Lower Upper

62 100

64 34.2 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

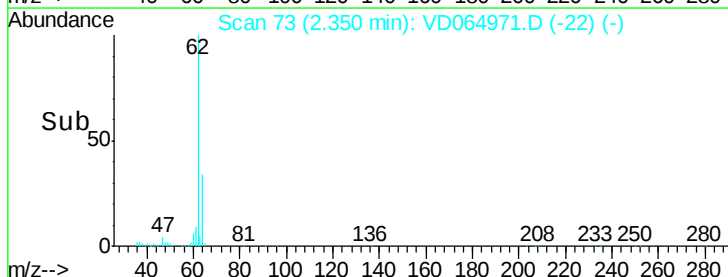
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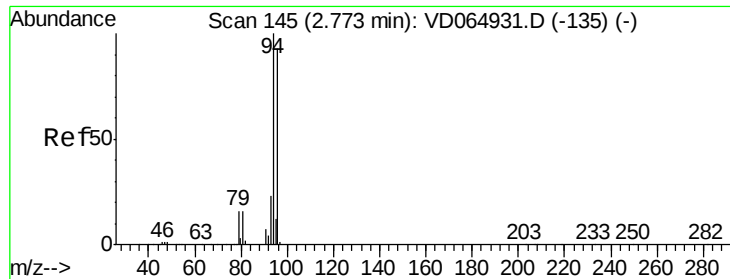
100000

50000

0

Time-->





#5

Bromomethane

Concen: 48.327 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 177353

Ion Ratio Lower Upper

94 100

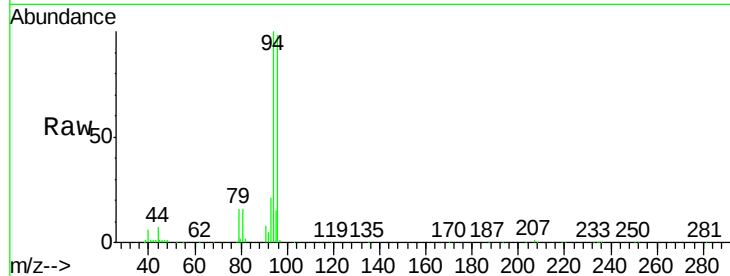
96 97.5 74.6 111.8

Manual Integrations

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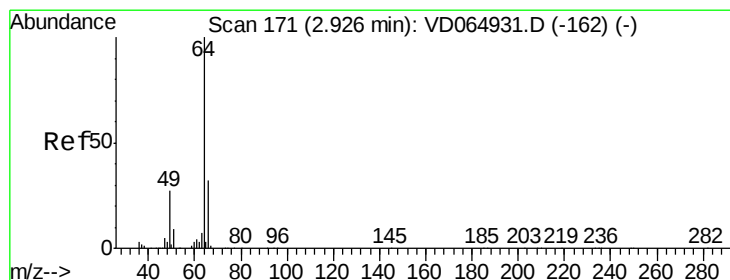
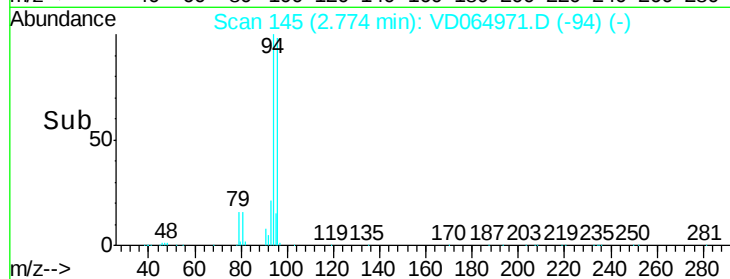
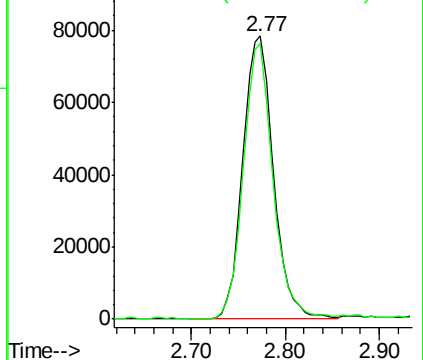
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.324 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD064971.D

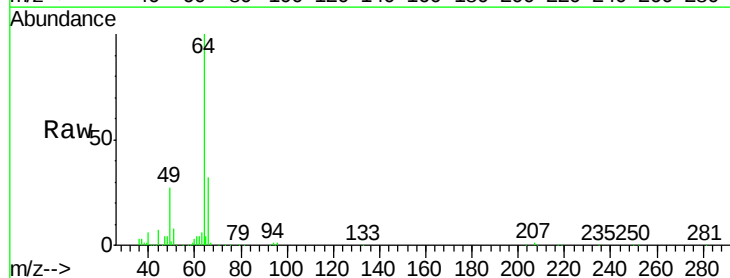
Acq: 27 Jan 2020 18:48

Tgt Ion: 64 Resp: 184597

Ion Ratio Lower Upper

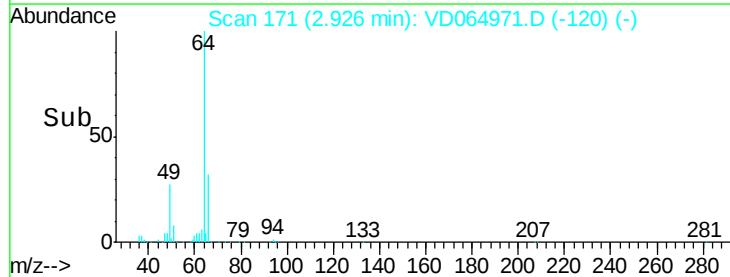
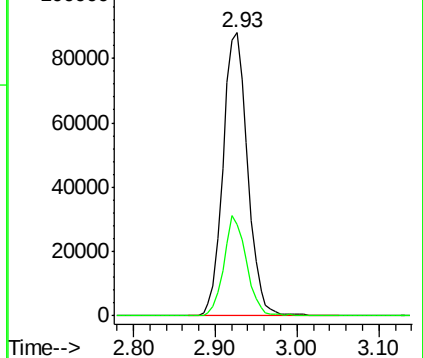
64 100

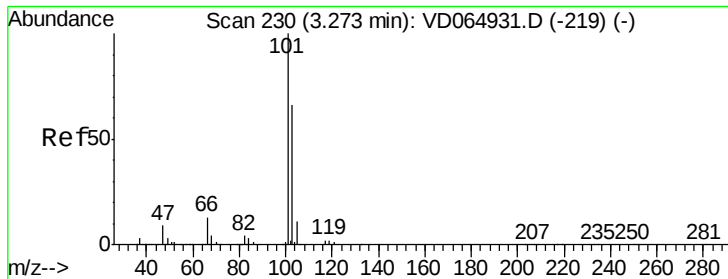
66 32.3 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

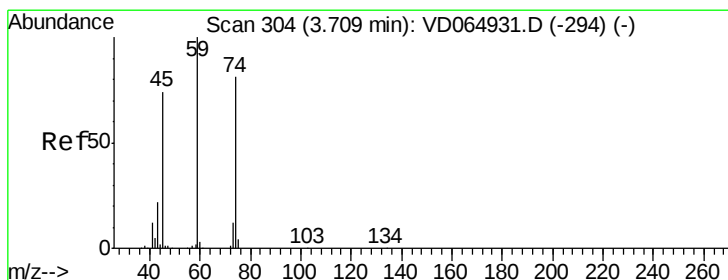
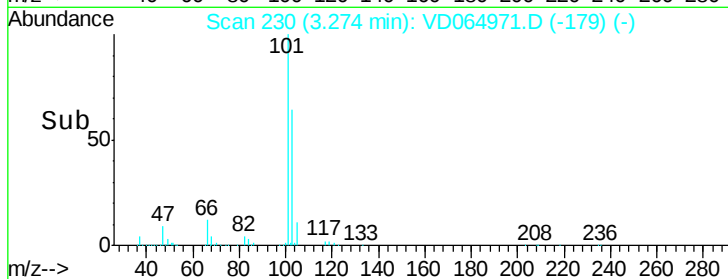
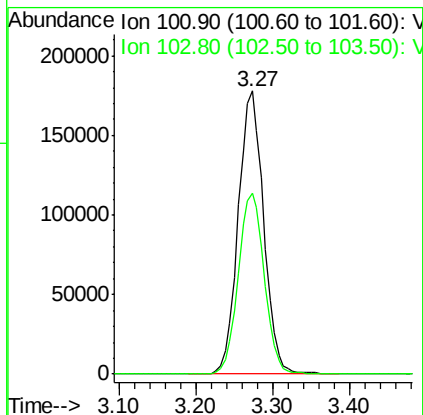
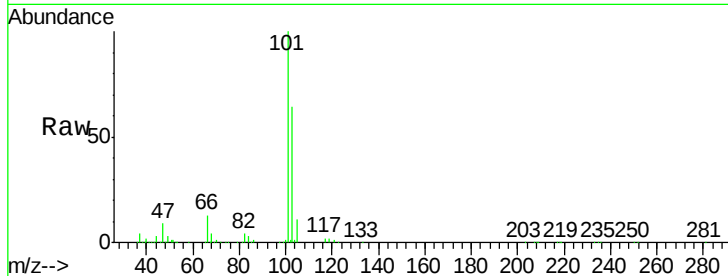
Trichlorofluoromethane
Concen: 48.814 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.8	52.5	78.7

Manual Integrations
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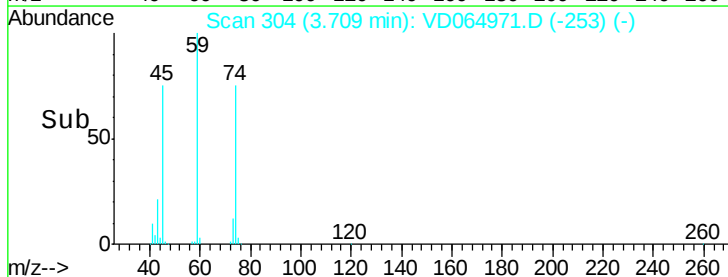
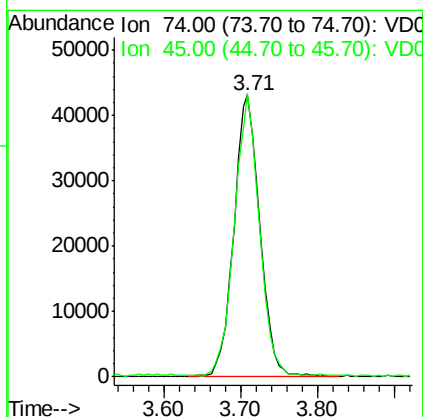
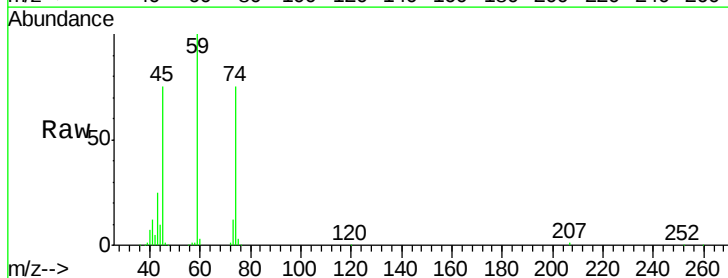
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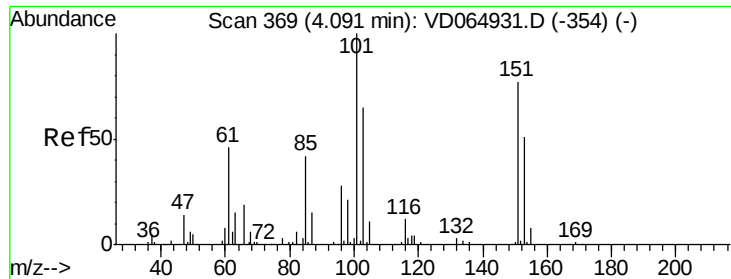


#8

Diethyl Ether
Concen: 53.495 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.3	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.256 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

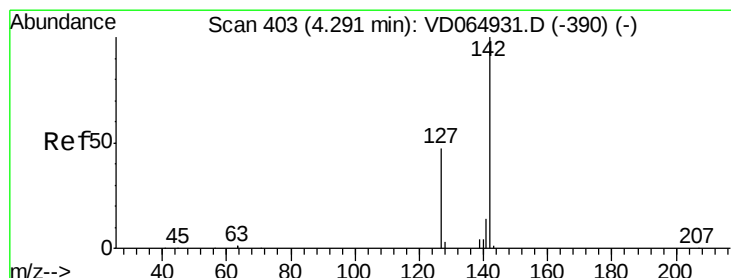
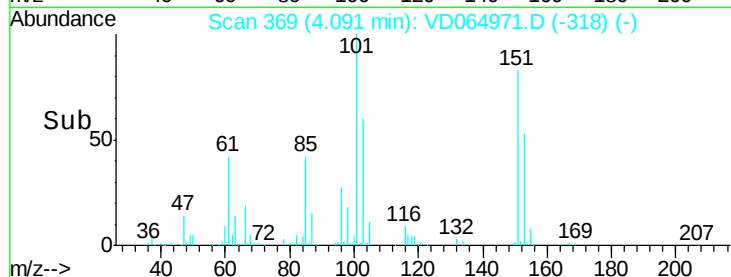
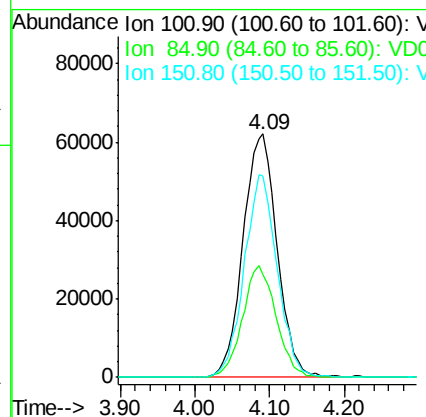
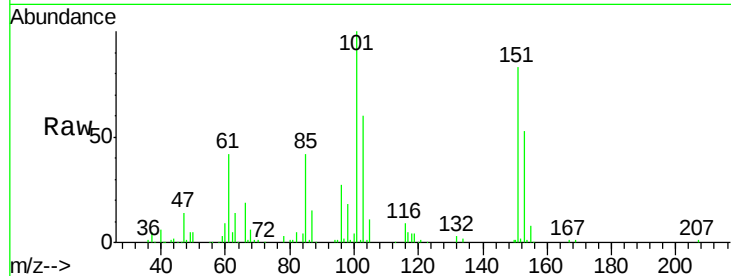
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	197000
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.0	52.4
151	80.6	64.6	96.8

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#10

Methyl Iodide

Concen: 56.704 ug/l

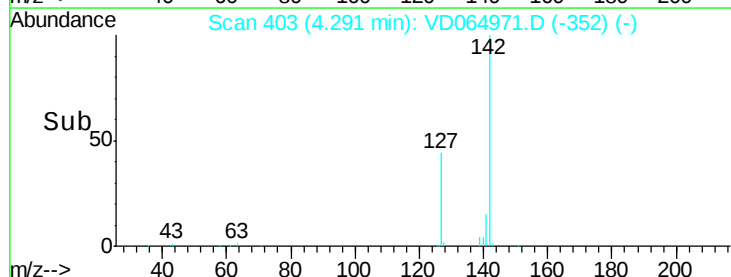
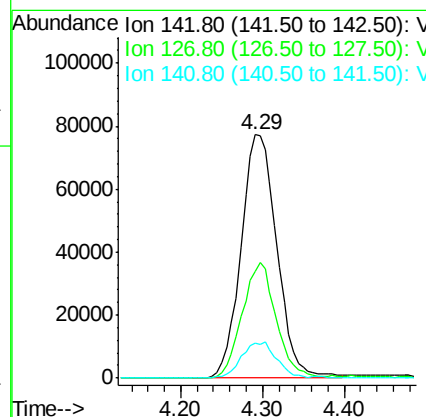
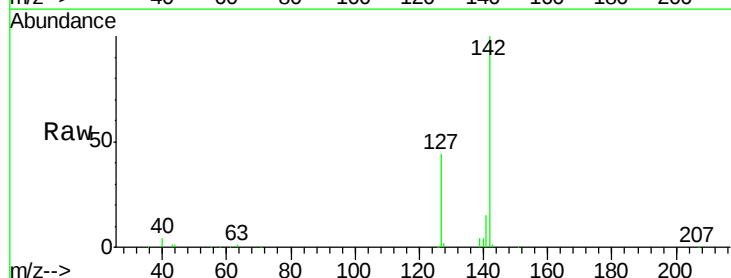
RT: 4.29 min Scan# 403

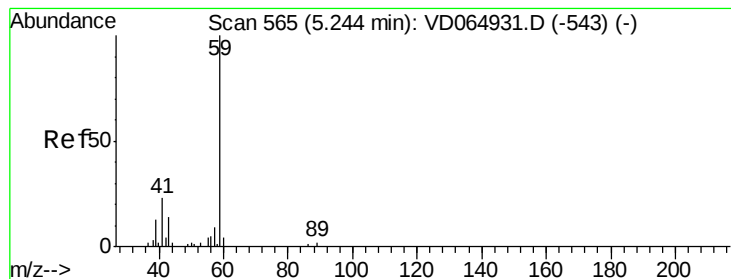
Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Tgt Ion:	142	Resp:	235942
Ion Ratio	Lower	Upper	
142	100		
127	45.0	36.2	54.2
141	14.6	11.6	17.4





#11

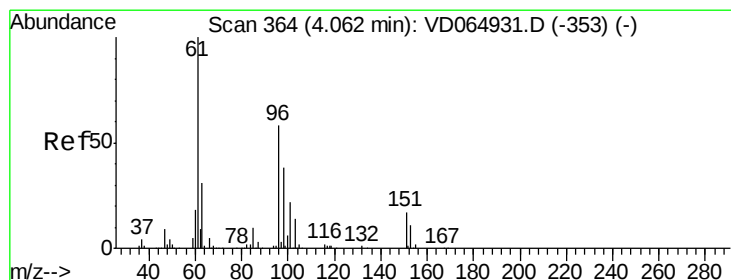
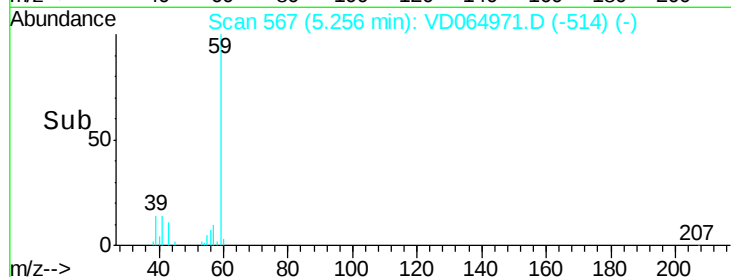
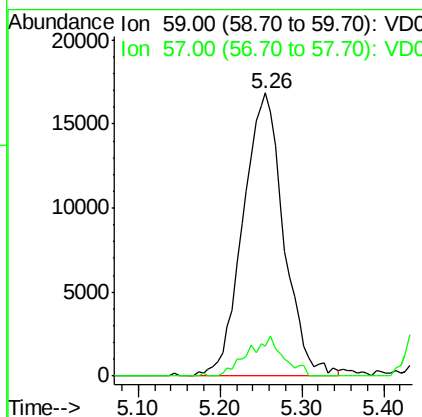
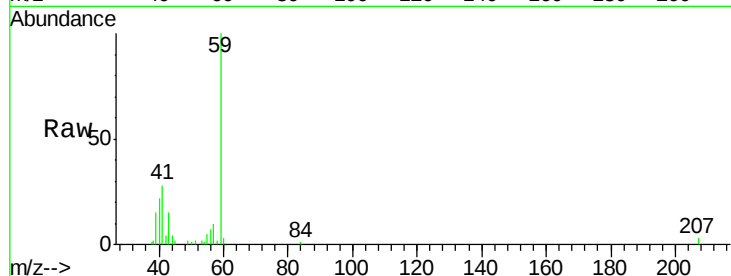
Tert butyl alcohol
 Concen: 255.476 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	59	Resp	58258
Ion Ratio	100	Lower	Upper
57	12.2	7.7	11.5#

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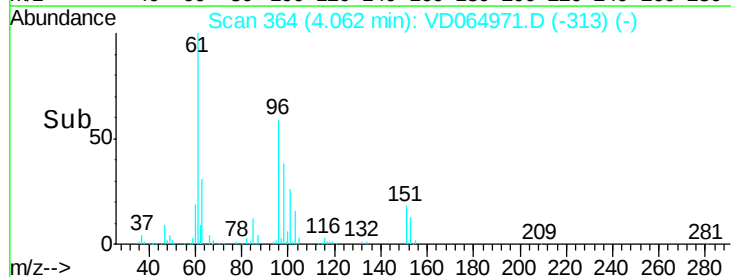
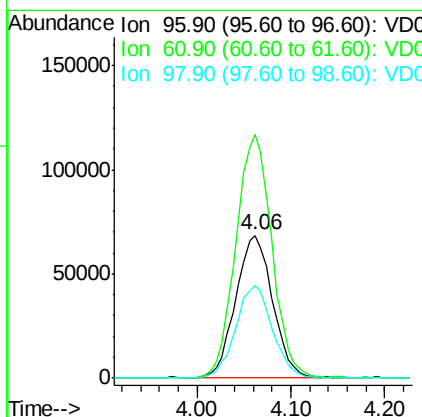
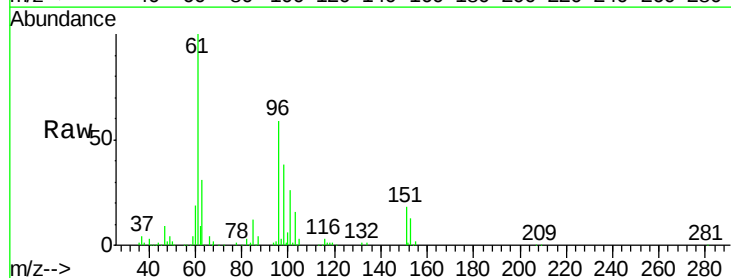
MMDadoda
 1/28/2020 3:40:11 PM

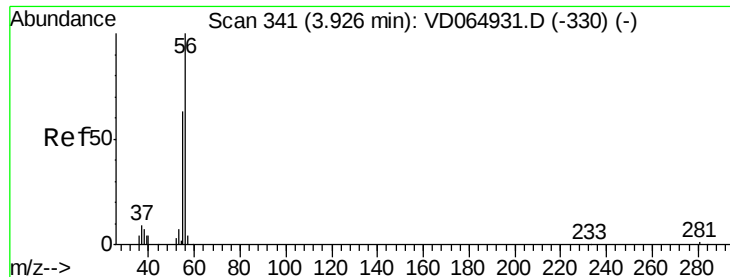


#12

1,1-Dichloroethene
 Concen: 49.841 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion	96	Resp	186643
Ion Ratio	100	Lower	Upper
61	170.5	137.0	205.4
98	64.1	52.1	78.1





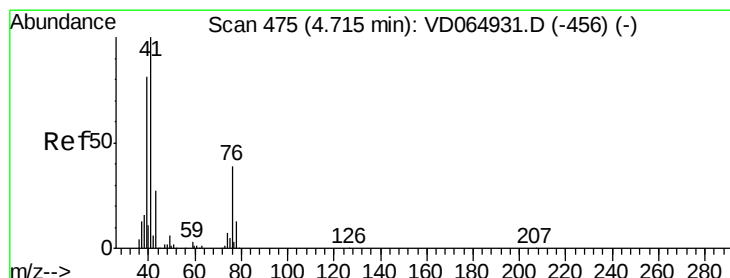
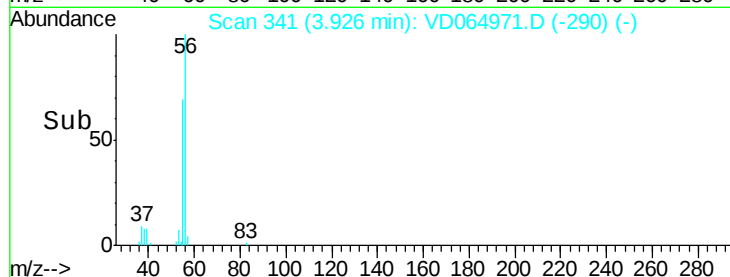
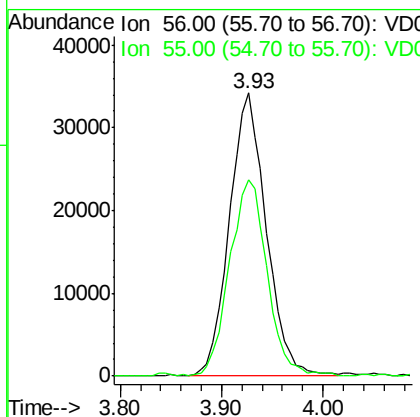
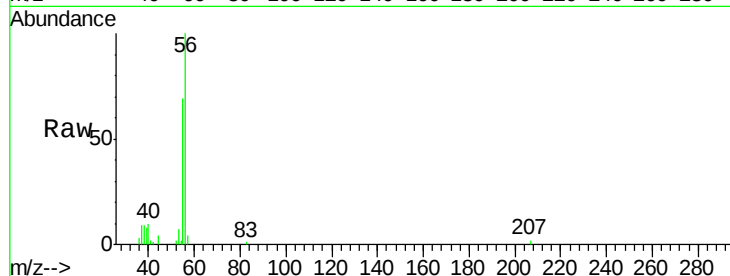
#13
Acrolein
Concen: 301.621 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	86224
Ion Ratio	100	Lower	Upper
55	71.0	59.7	89.5

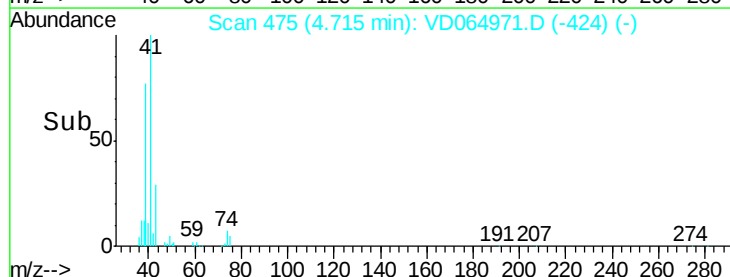
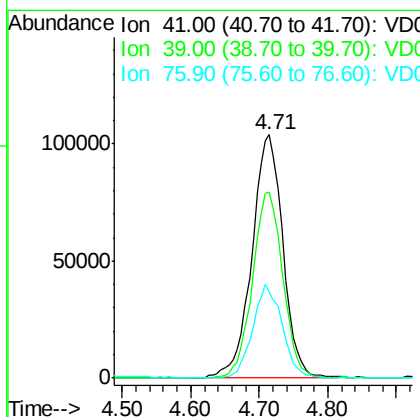
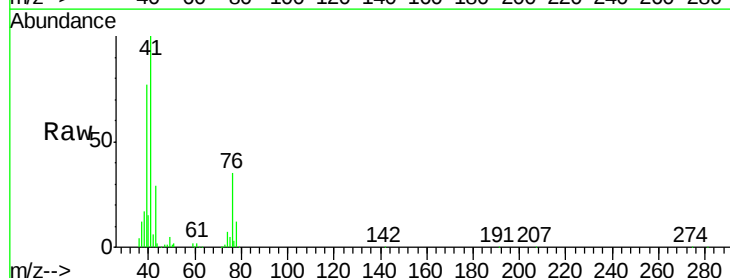
Manual Integrations
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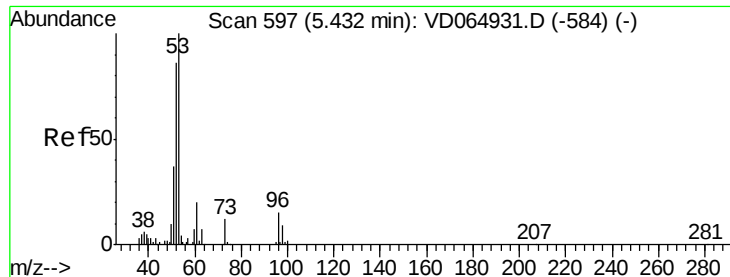
MMDadoda
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#14
Allyl chloride
Concen: 54.809 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion	41	Resp	327353
Ion Ratio	100	Lower	Upper
39	74.9	62.0	93.0
76	36.0	29.3	43.9





#15

Acrylonitrile

Concen: 279.426 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

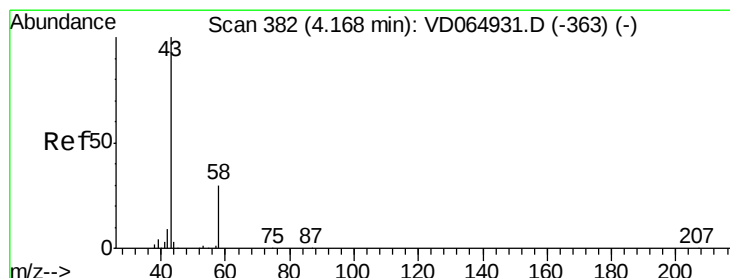
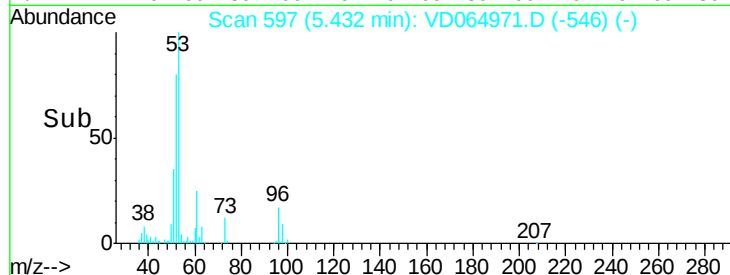
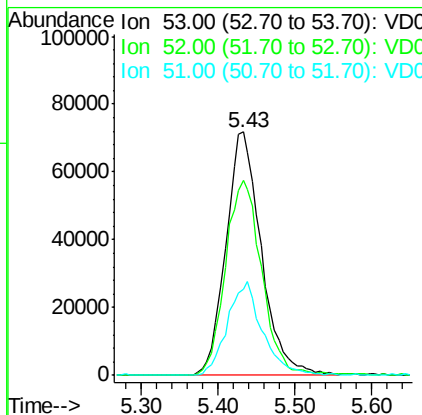
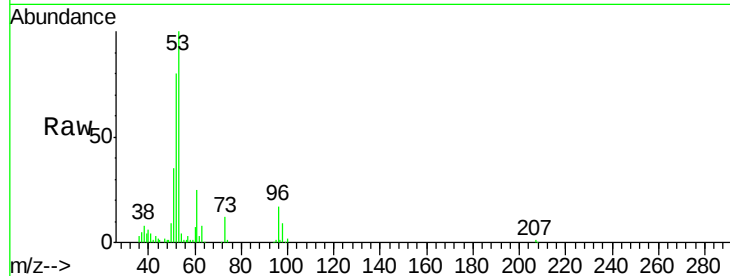
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	230156
Ion Ratio	Lower	Upper	
53	100		
52	82.1	66.7	100.1
51	38.2	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 191.593 ug/l

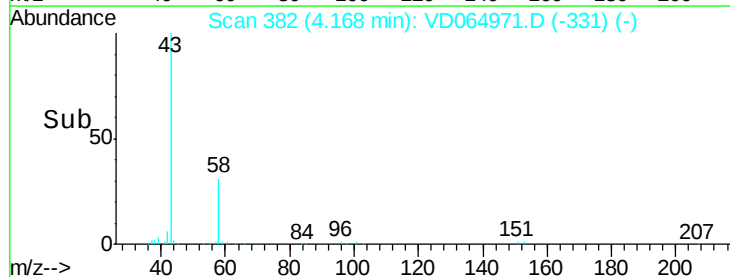
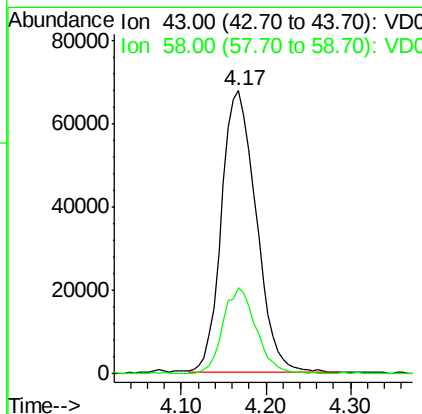
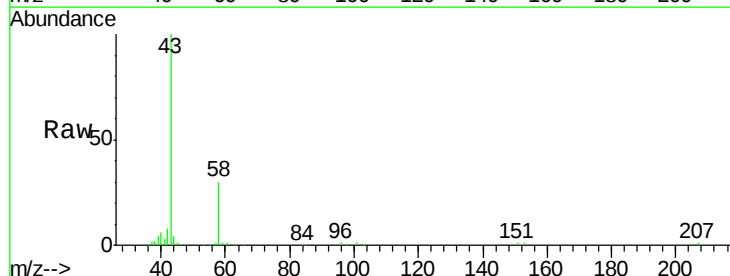
RT: 4.17 min Scan# 382

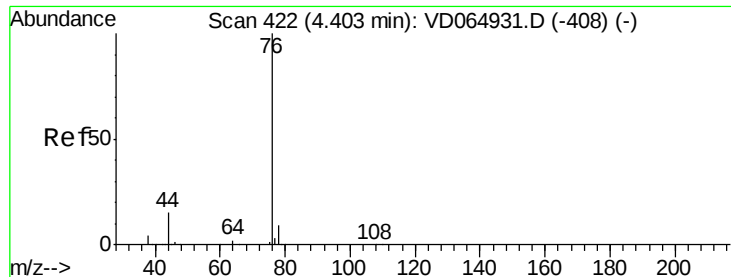
Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Tgt Ion:	43	Resp:	192015
Ion Ratio	Lower	Upper	
43	100		
58	30.2	23.8	35.8





#17

Carbon Disulfide

Concen: 51.082 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 629570

Ion Ratio Lower Upper

76 100

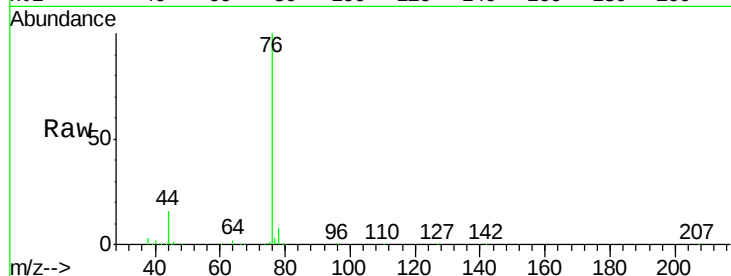
78 8.3 7.1 10.7

Manual Integrations

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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

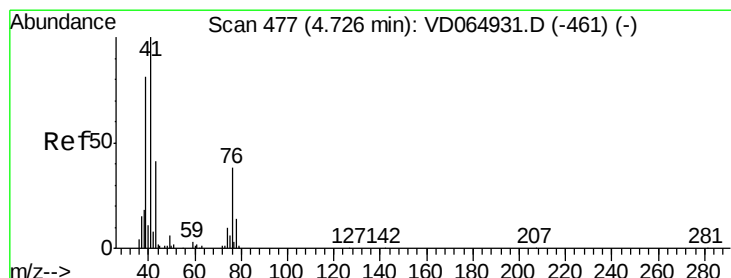
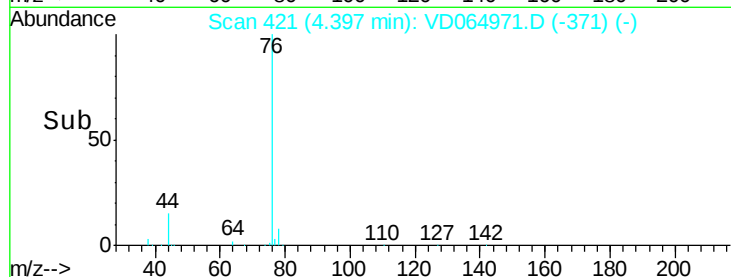
100000

50000

0

4.30 4.40 4.50 4.60

Time-->



#18

Methyl Acetate

Concen: 55.775 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064971.D

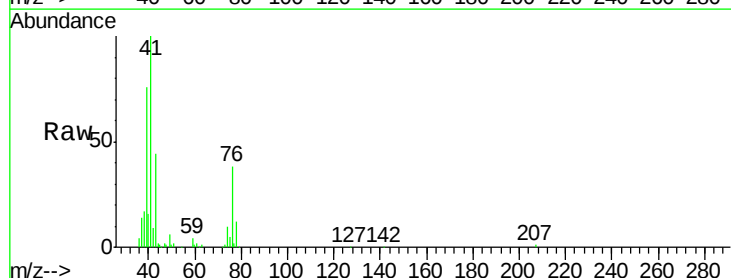
Acq: 27 Jan 2020 18:48

Tgt Ion: 43 Resp: 107793

Ion Ratio Lower Upper

43 100

74 22.4 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

30000

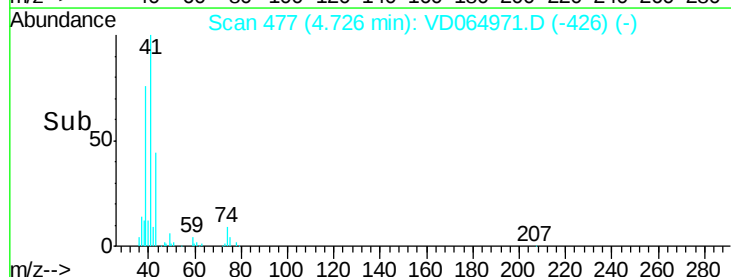
20000

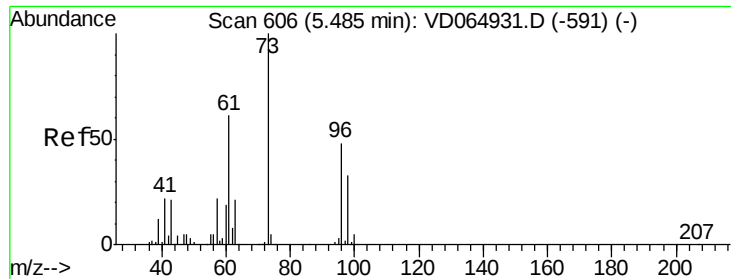
10000

0

4.60 4.70 4.80

Time-->





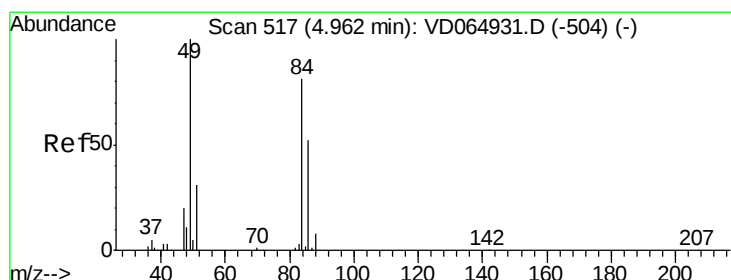
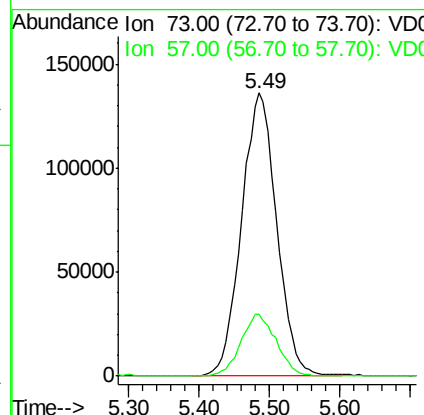
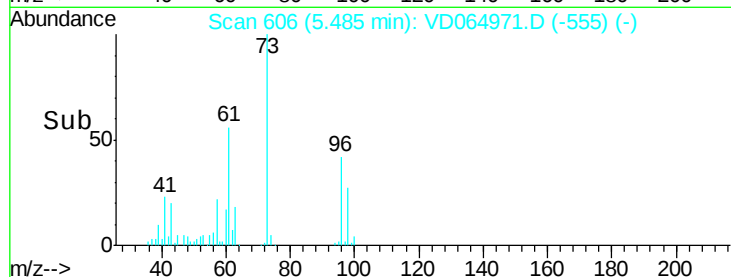
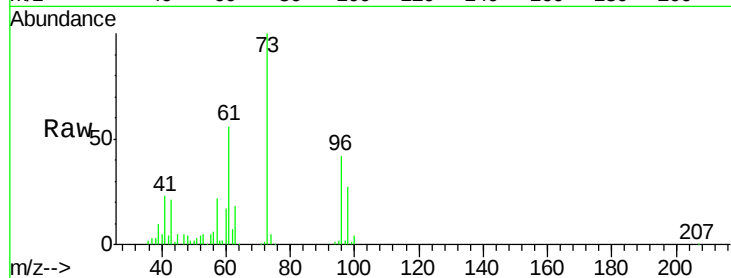
#19
Methyl tert-butyl Ether
Concen: 56.389 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 471826
Ion Ratio Lower Upper
73 100
57 21.9 17.9 26.9

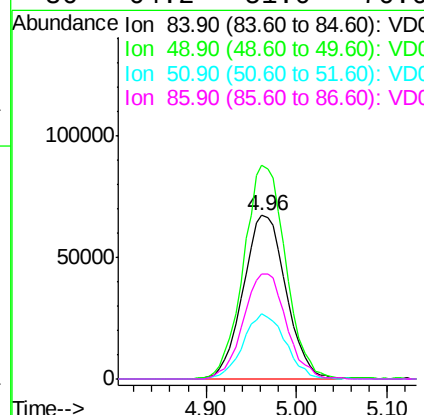
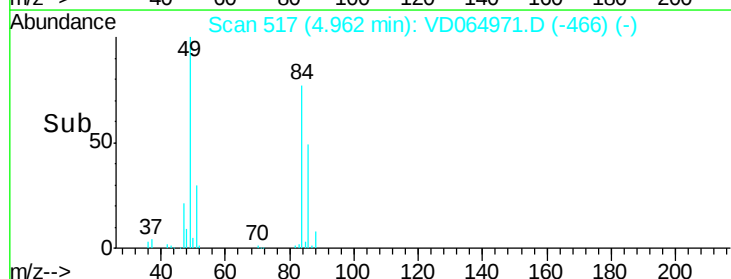
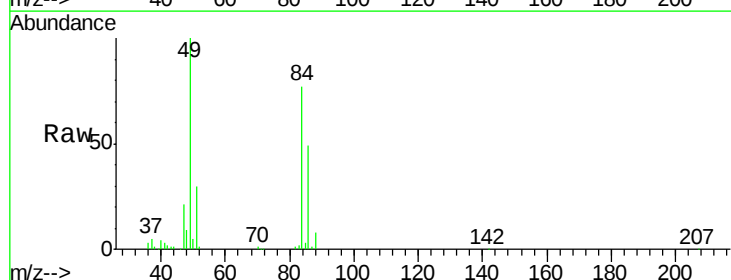
Manual Integrations
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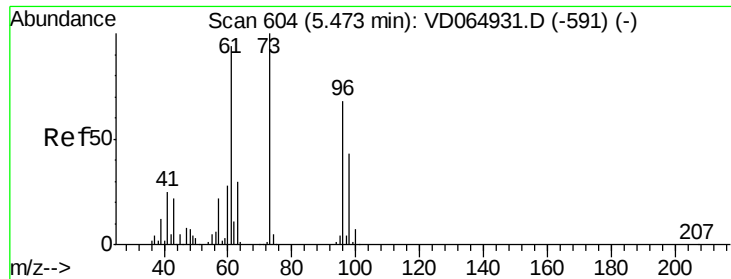
MMDadoda
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#20
Methylene Chloride
Concen: 55.891 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion: 84 Resp: 221252
Ion Ratio Lower Upper
84 100
49 130.6 98.4 147.6
51 39.4 30.8 46.2
86 64.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 53.382 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

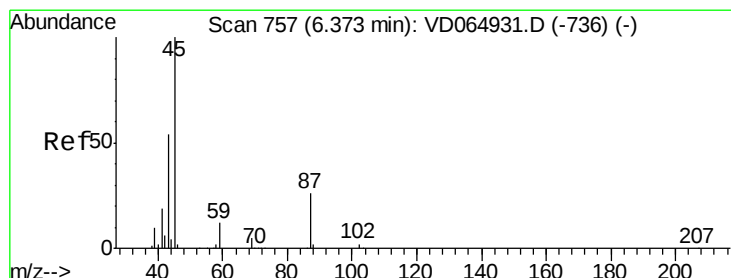
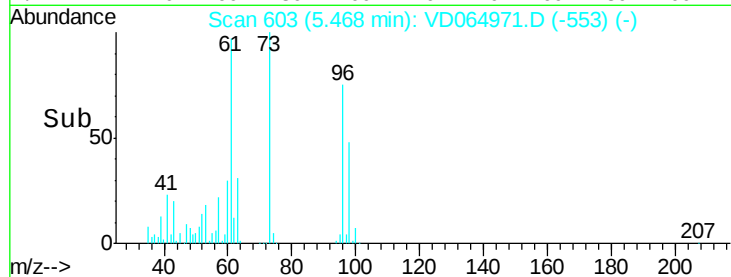
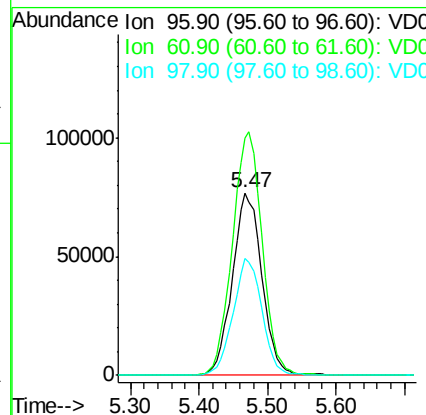
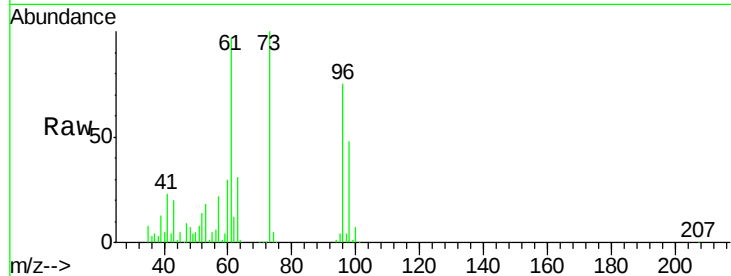
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	230315
Ion	Ratio	Lower	Upper
96	100		
61	129.6	110.4	165.6
98	64.3	50.5	75.7

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.702 ug/l

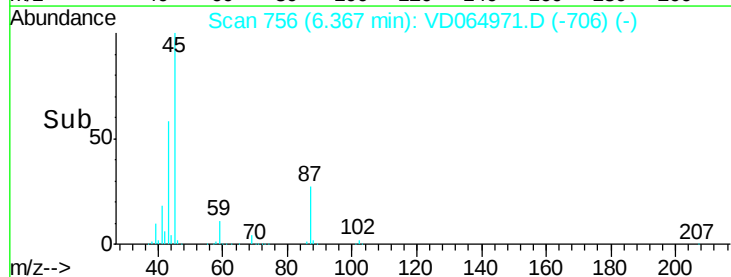
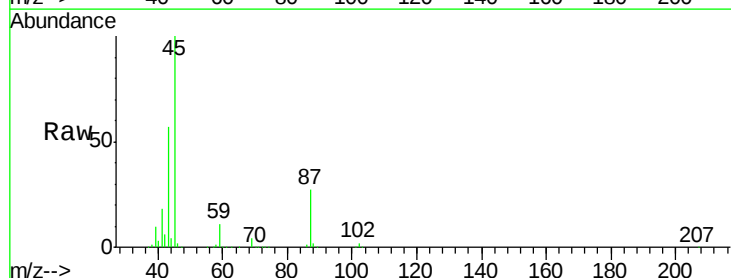
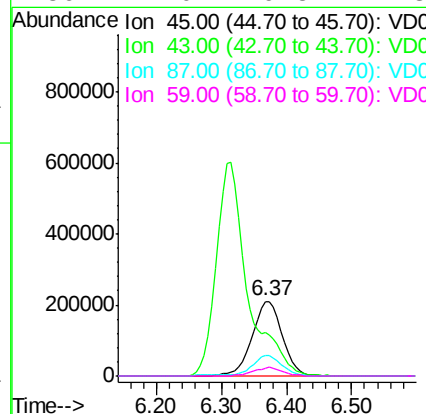
RT: 6.37 min Scan# 756

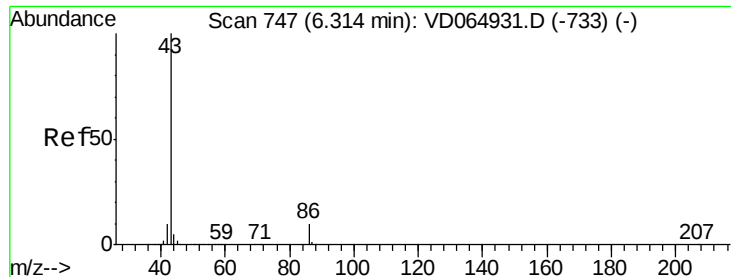
Delta R.T. -0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Tgt Ion:	45	Resp:	674923
Ion	Ratio	Lower	Upper
45	100		
43	56.8	43.1	64.7
87	26.5	21.4	32.2
59	11.0	9.5	14.3





#23

Vinyl Acetate

Concen: 287.072 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 2000615

Ion Ratio Lower Upper

43 100

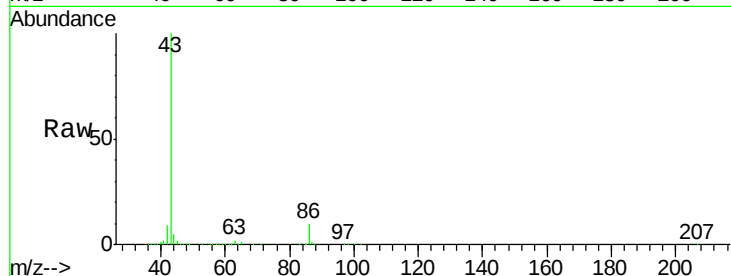
86 10.2 8.3 12.5

Manual Integrations

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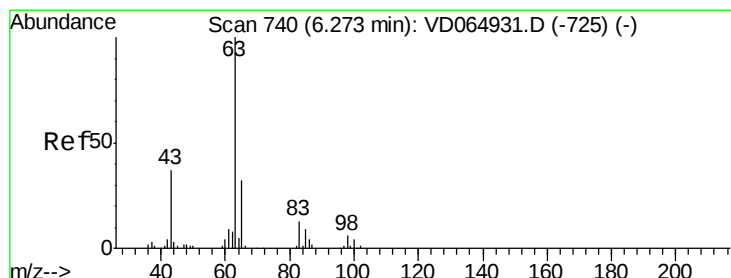
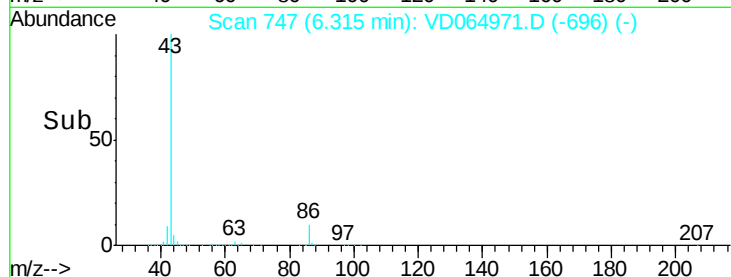
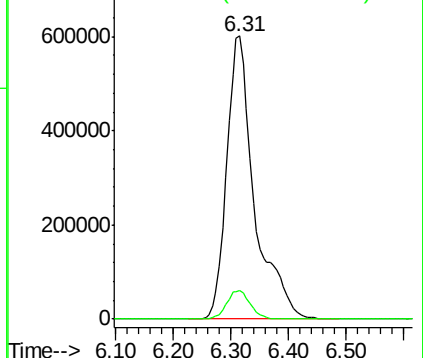
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 53.380 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

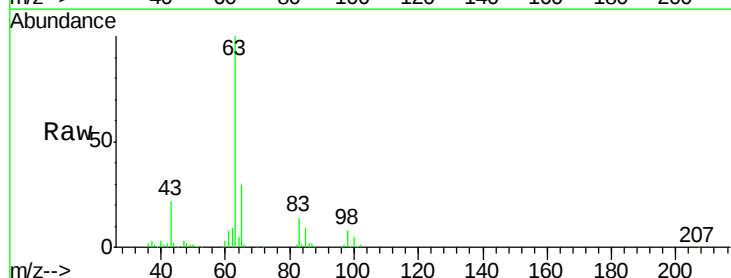
Tgt Ion: 63 Resp: 390109

Ion Ratio Lower Upper

63 100

98 7.5 3.1 9.3

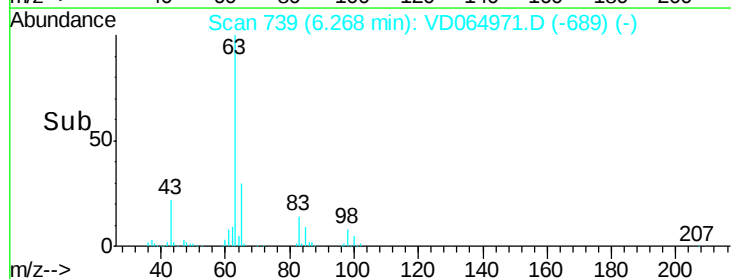
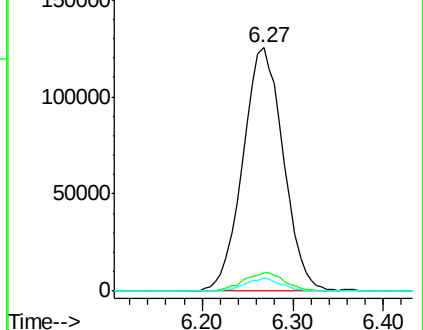
100 5.4 2.3 6.8

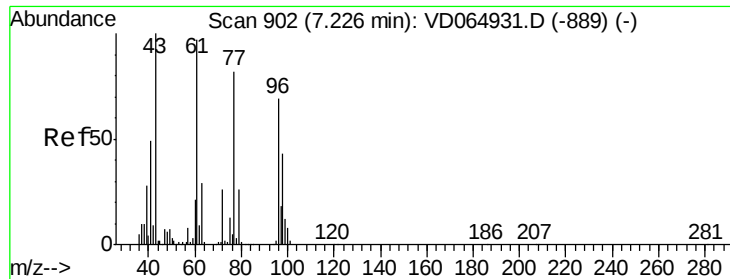


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





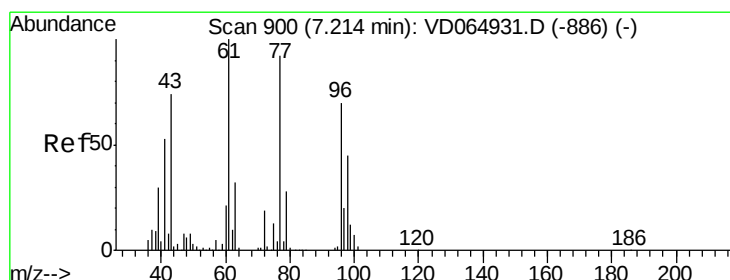
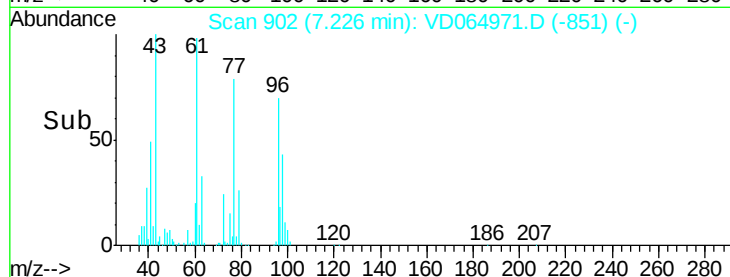
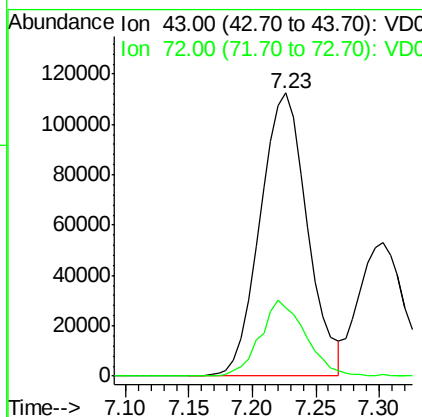
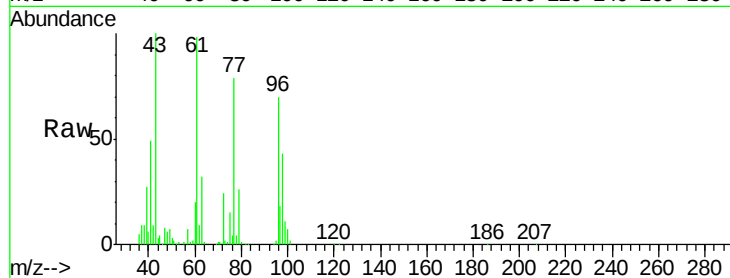
#25
2-Butanone
Concen: 260.781 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 290732
Ion Ratio Lower Upper
43 100
72 24.4 20.6 31.0

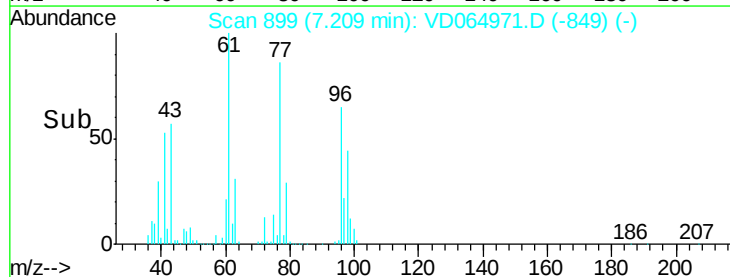
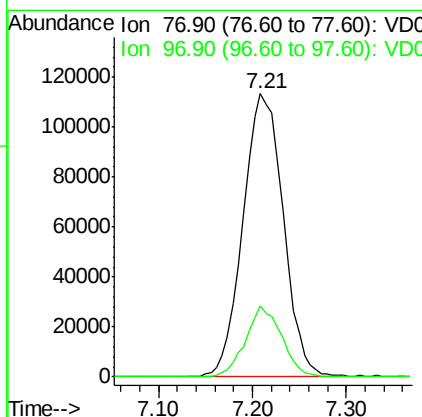
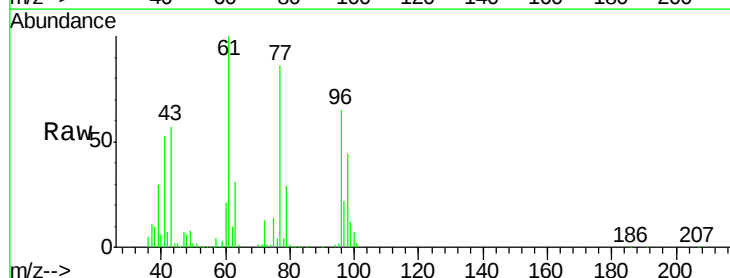
Manual Integrations
APPROVED

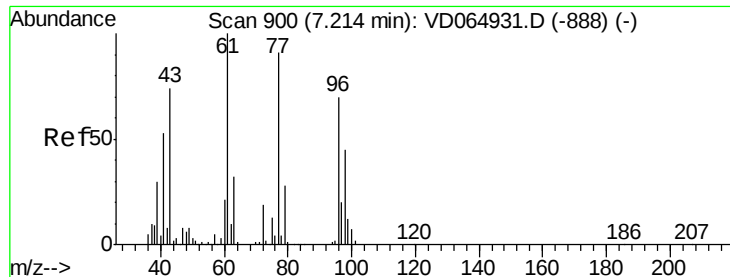
MMDadoda
1/28/2020 3:40:11 PM



#26
2,2-Dichloropropane
Concen: 50.731 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion: 77 Resp: 336294
Ion Ratio Lower Upper
77 100
97 22.5 11.4 34.2





#27

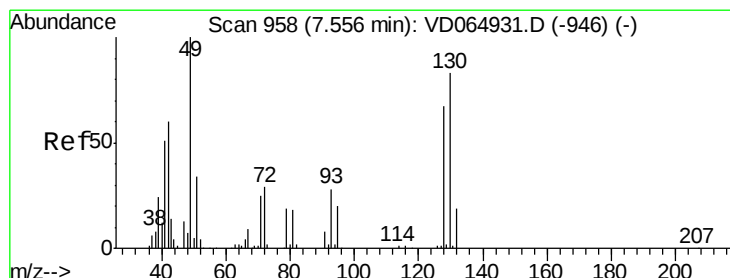
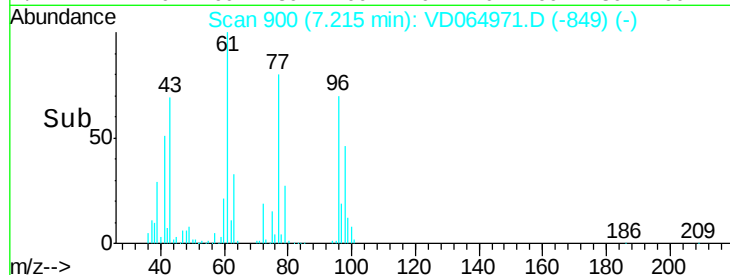
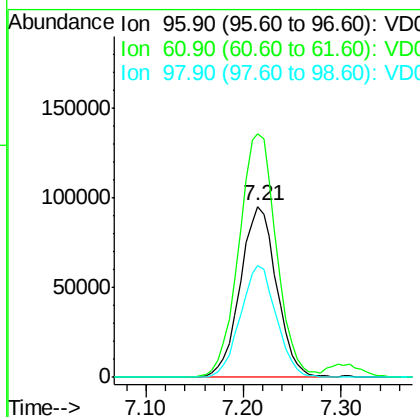
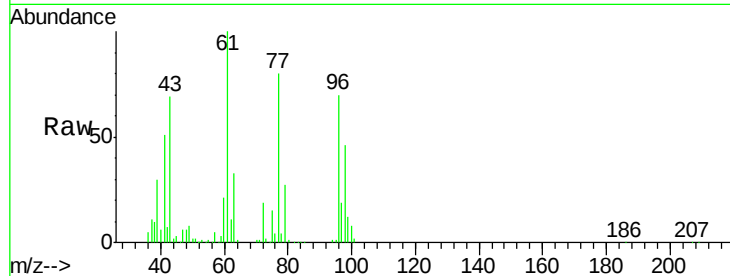
cis-1,2-Dichloroethene
Concen: 54.030 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	248812		
61	146.6	0.0	292.8	
98	64.7	0.0	130.0	

Manual Integrations
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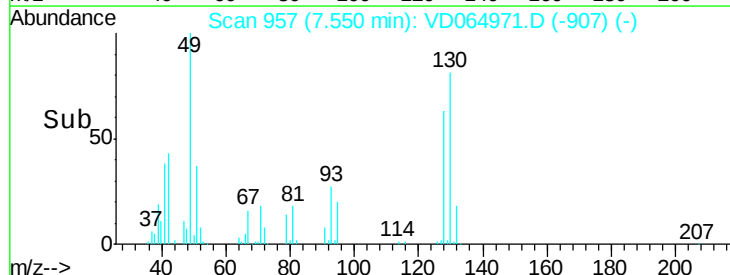
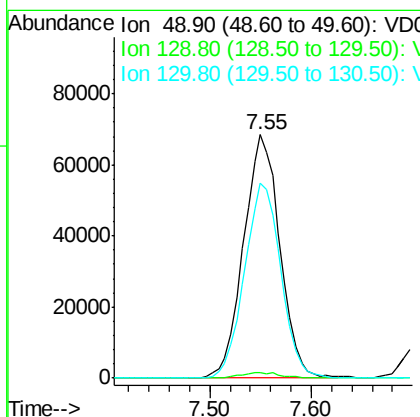
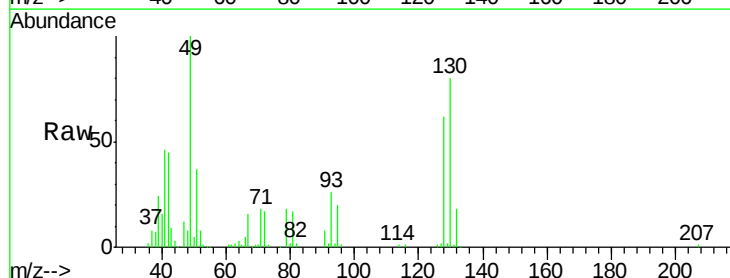
MMDadoda
1/28/2020 3:40:11 PM

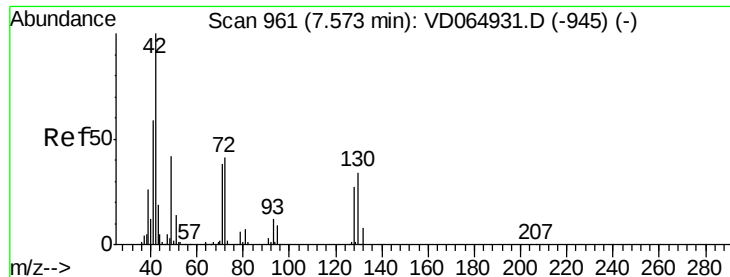


#28

Bromochloromethane
Concen: 58.316 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	170442		
129	2.3	0.0	4.4	
130	80.5	63.8	95.8	





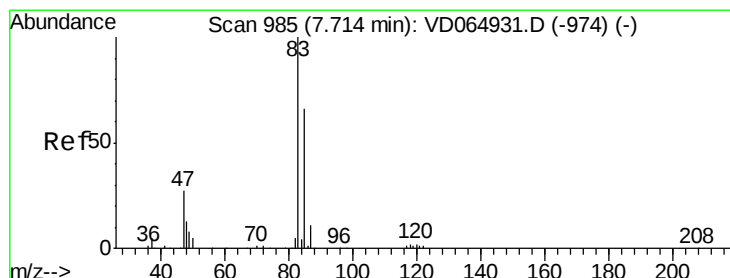
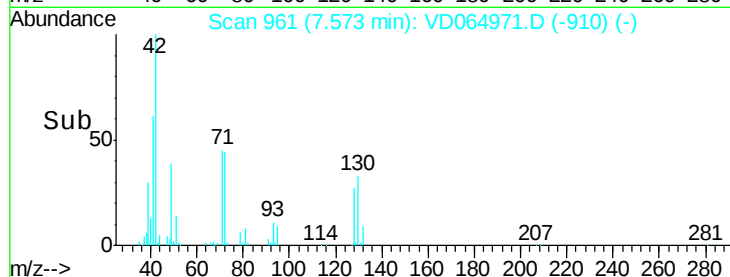
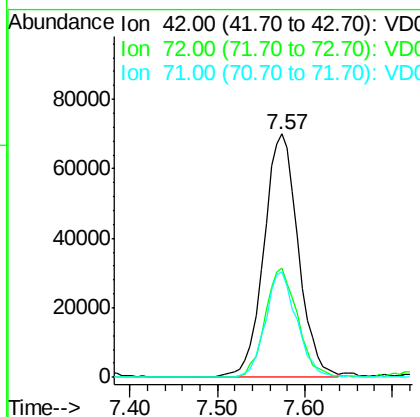
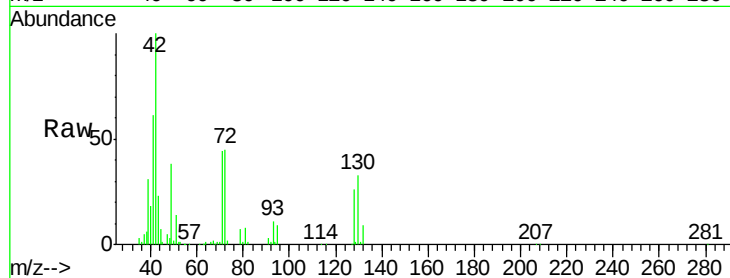
#29
Tetrahydrofuran
Concen: 276.646 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	34.0	51.0
71	40.0	31.5	47.3

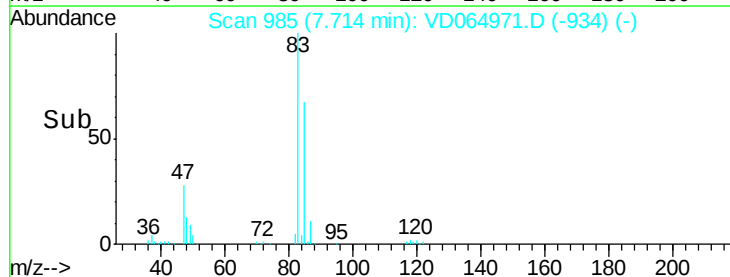
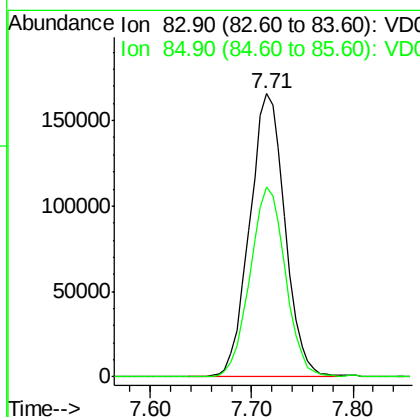
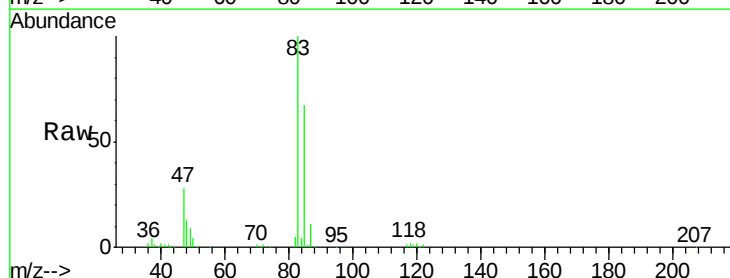
Manual Integrations
APPROVED

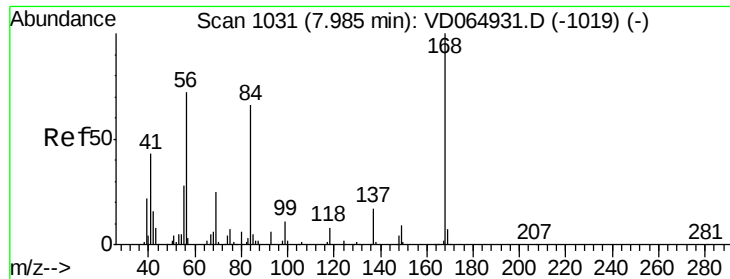
MMDadoda
1/28/2020 3:40:11 PM



#30
Chloroform
Concen: 53.299 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.1	52.4	78.6





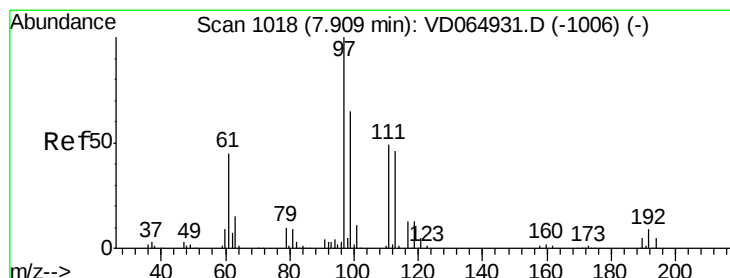
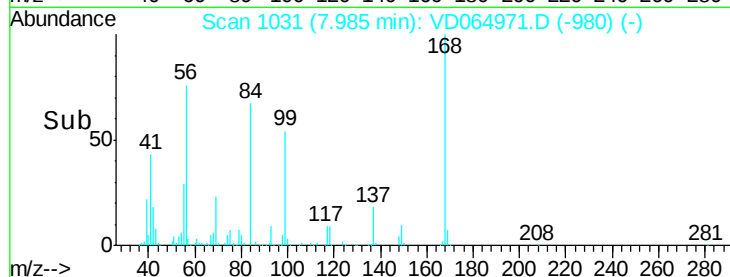
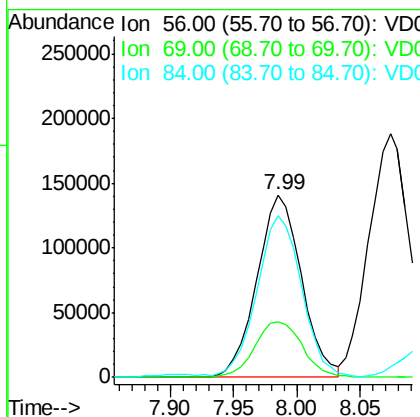
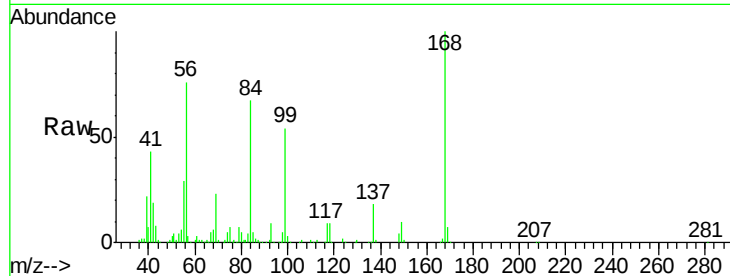
#31
Cyclohexane
Concen: 48.008 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	27.9	41.9
84	86.6	72.8	109.2

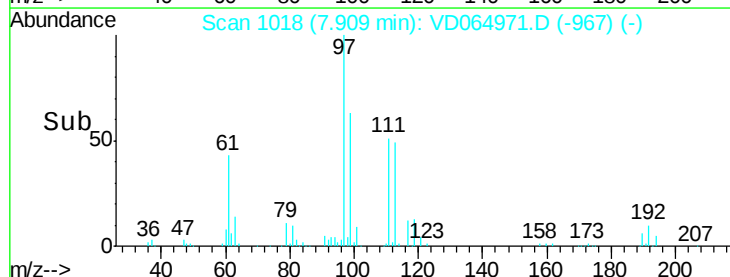
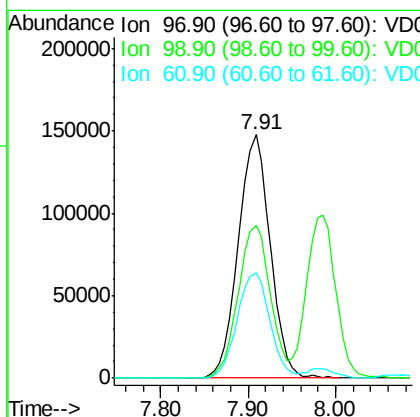
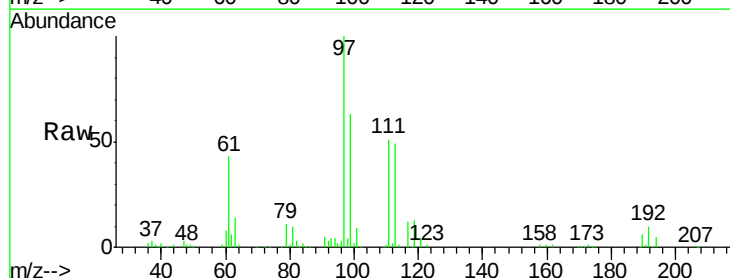
Manual Integrations
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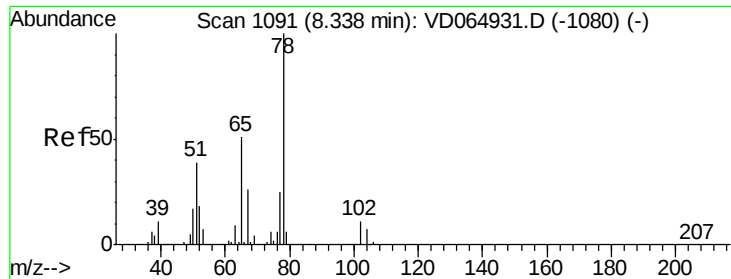
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#32
1,1,1-Trichloroethane
Concen: 51.875 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.6	76.0
61	44.2	35.7	53.5





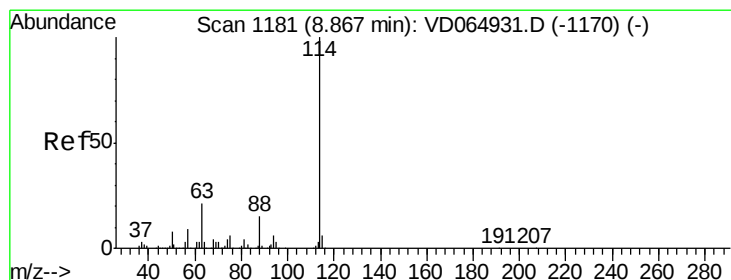
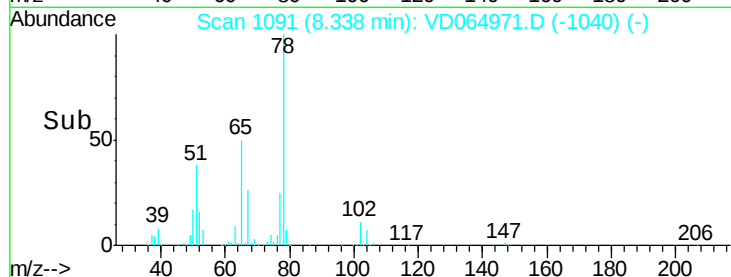
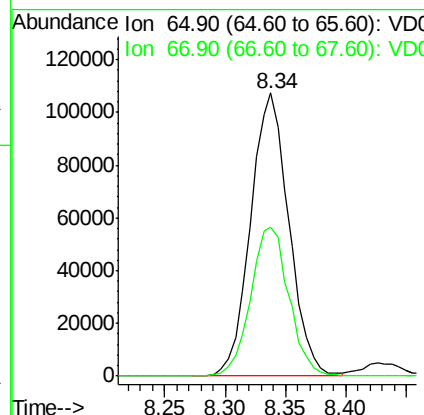
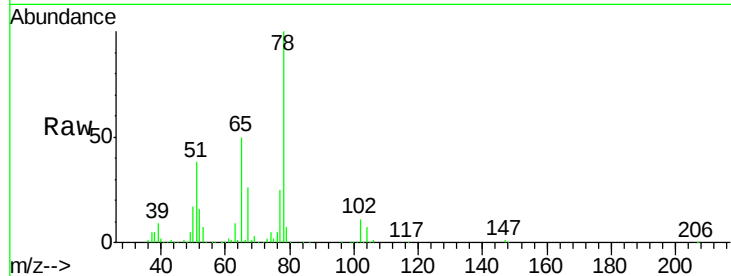
#33
 1,2-Dichloroethane-d4
 Concen: 57.557 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	237511		
67	52.8	0.0	103.6	

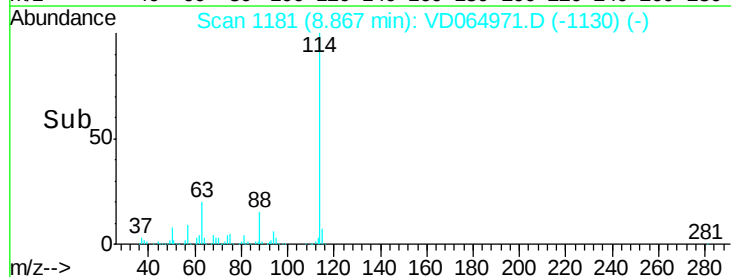
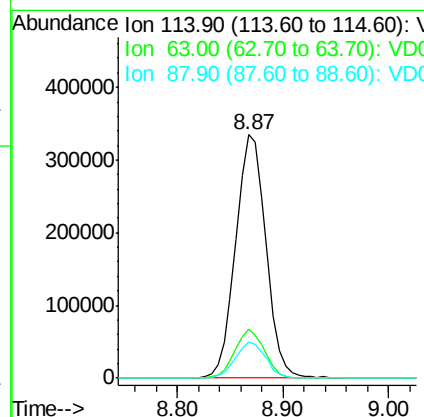
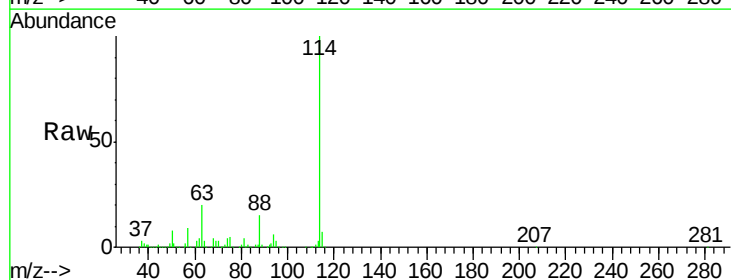
Manual Integrations
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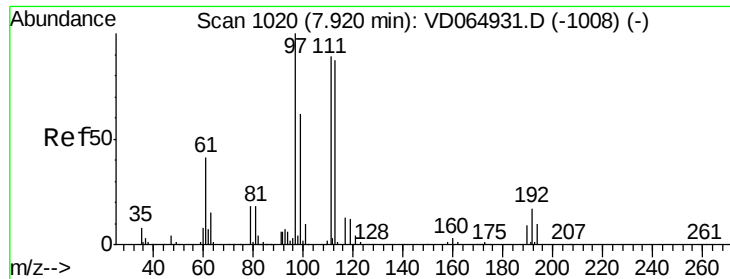
MMDadoda
 1/28/2020 3:40:11 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	664241		
63	20.2	0.0	42.0	
88	15.0	0.0	29.4	





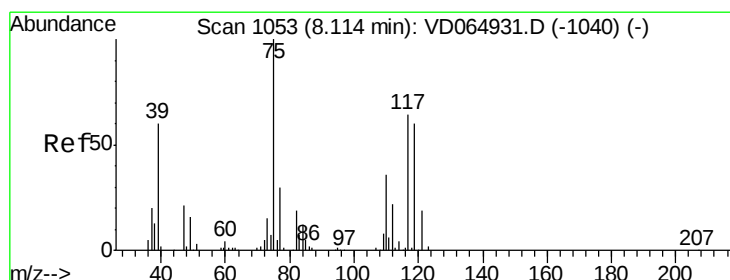
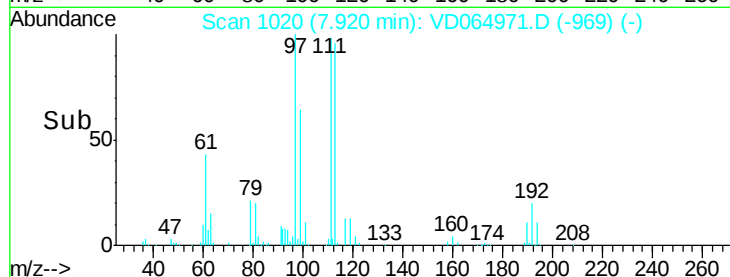
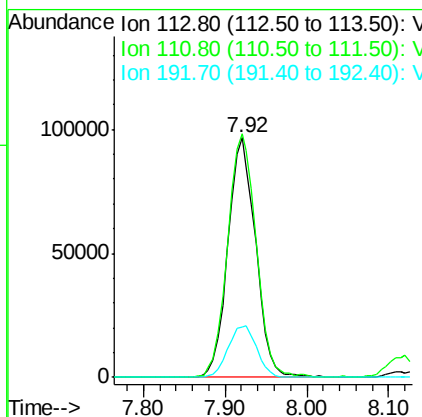
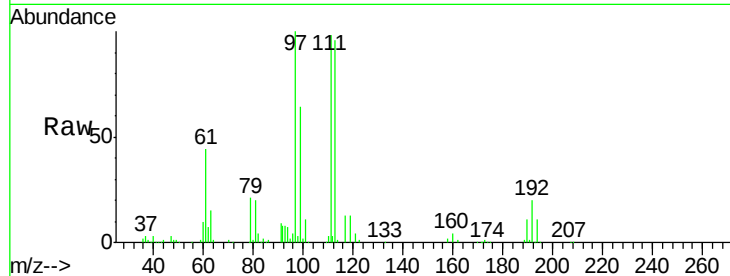
#35
 Dibromofluoromethane
 Concen: 54.474 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	227383		
111	104.7	82.4	123.6	
192	22.3	16.9	25.3	

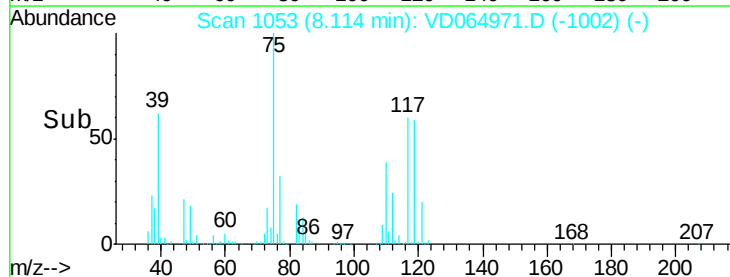
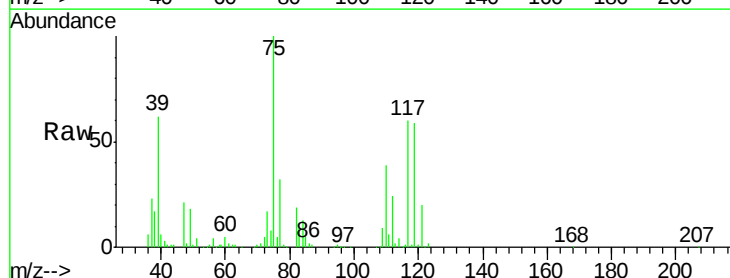
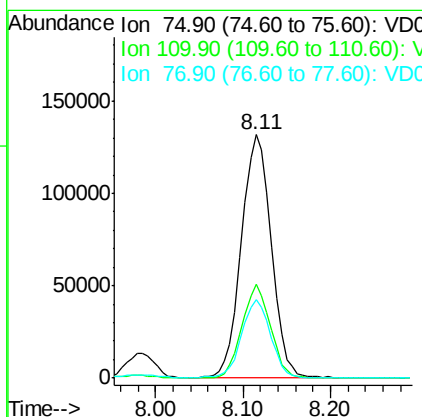
Manual Integrations
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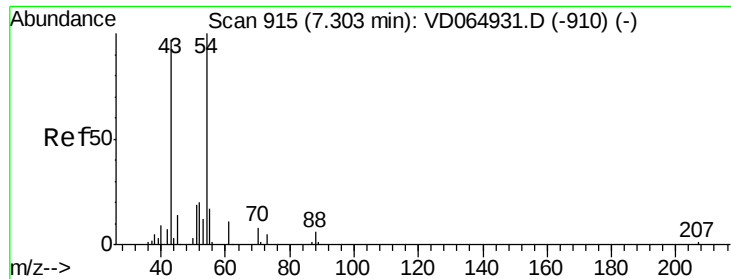
MMDadoda
 1/28/2020 3:40:11 PM



#36
 1,1-Dichloropropene
 Concen: 47.661 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	305276		
110	36.6	17.3	52.0	
77	31.6	24.7	37.1	





#37

Ethyl Acetate

Concen: 51.681 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

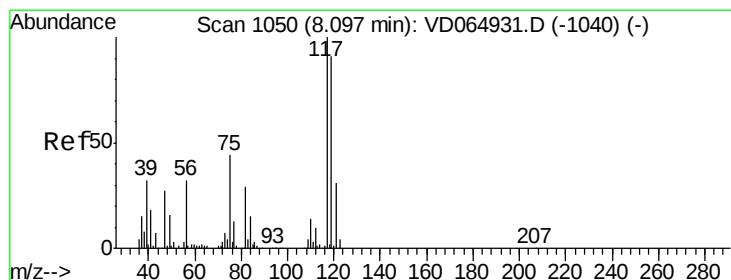
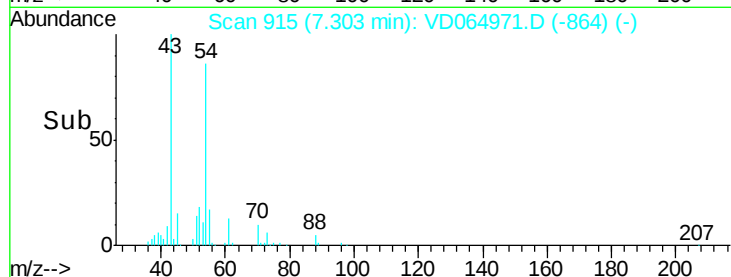
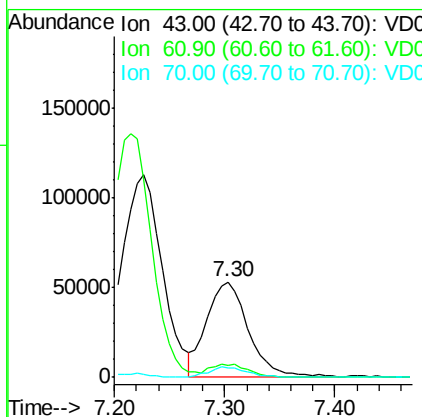
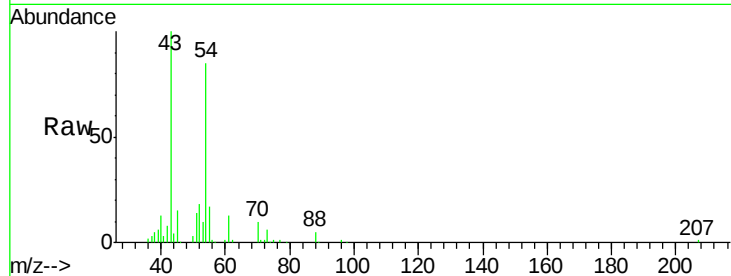
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	136733
Ion	Ratio	Lower	Upper
43	100		
61	12.2	11.0	16.4
70	10.4	7.5	11.3

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 47.826 ug/l

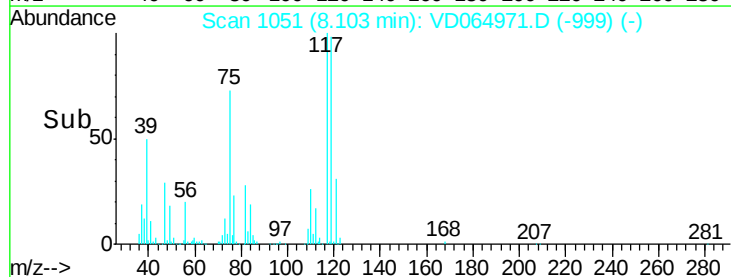
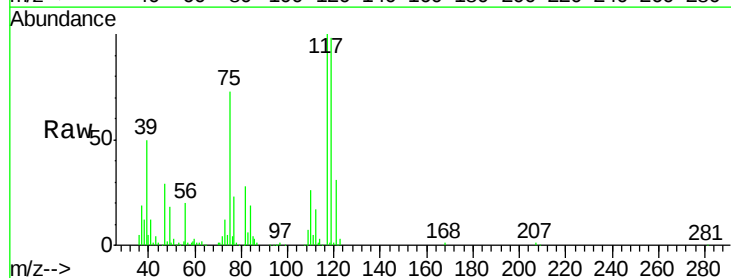
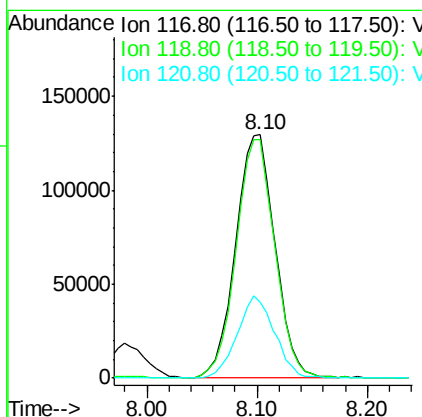
RT: 8.10 min Scan# 1051

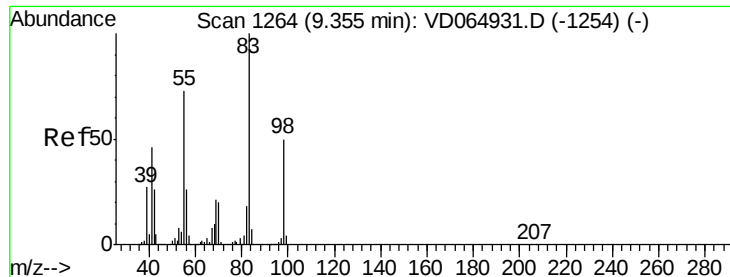
Delta R.T. 0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Tgt Ion:	117	Resp:	323783
Ion	Ratio	Lower	Upper
117	100		
119	98.0	73.2	109.8
121	31.3	24.4	36.6





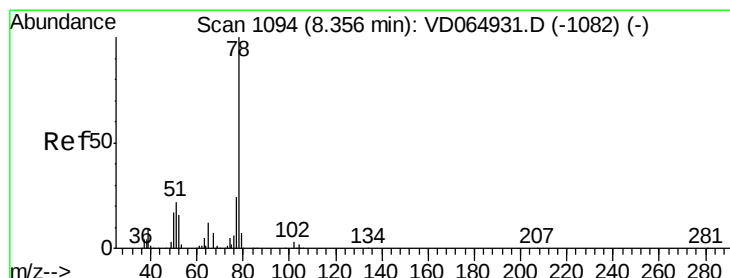
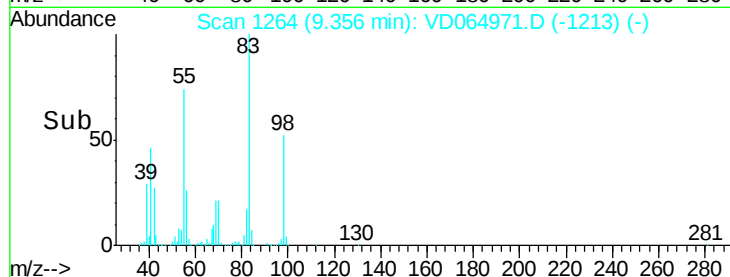
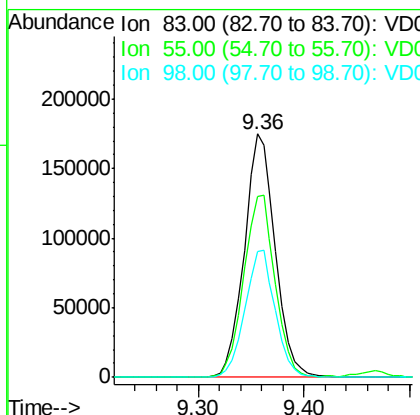
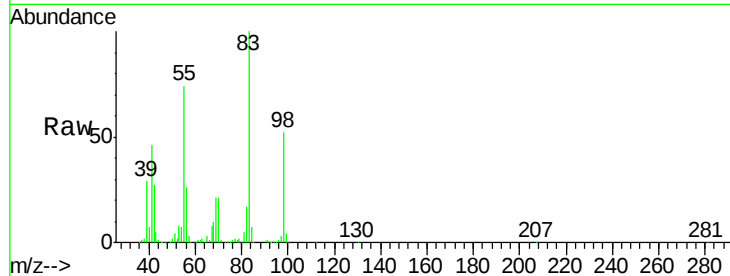
#39
Methylvlcyclohexane
Concen: 47.426 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.3	58.7	88.1
98	51.8	40.2	60.2

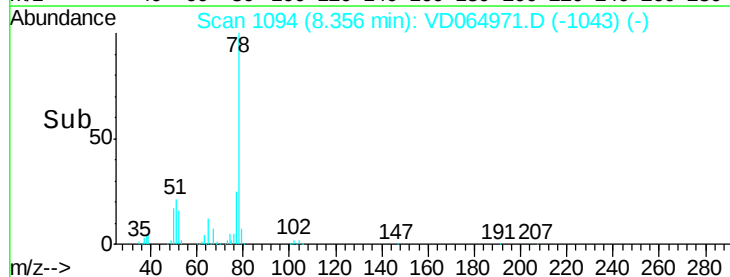
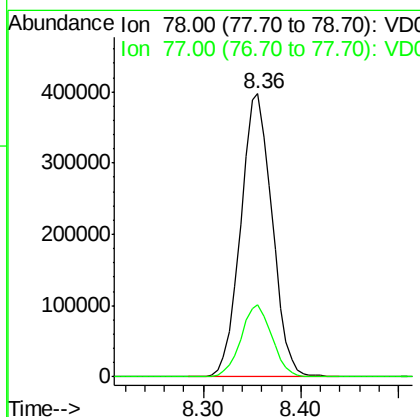
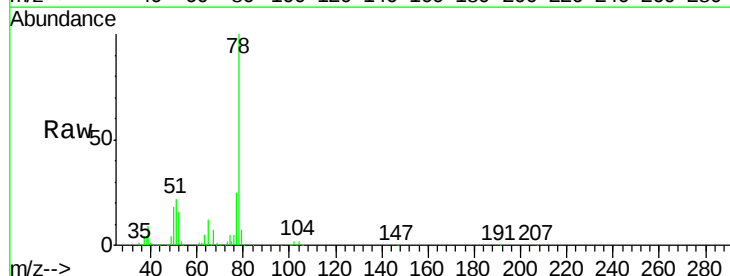
Manual Integrations
APPROVED

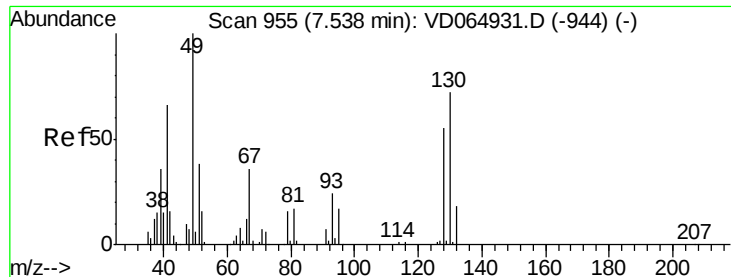
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#40
Benzene
Concen: 50.452 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.4	19.2	28.8





#41

Methacrylonitrile

Concen: 62.302 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 88794

Ion Ratio Lower Upper

41 100

39 52.3 49.3 73.9

67 63.0 51.0 76.6

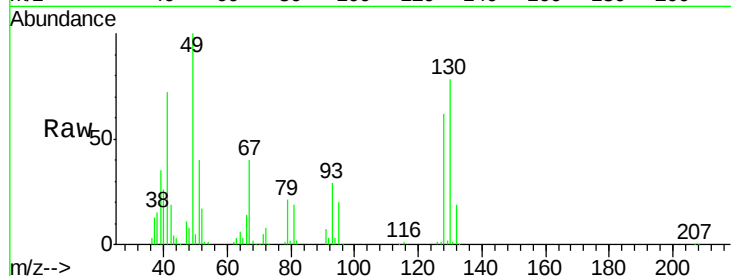
52 27.9 22.3 33.5

Manual Integrations

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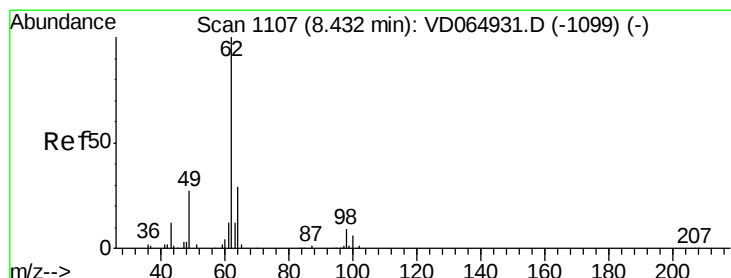
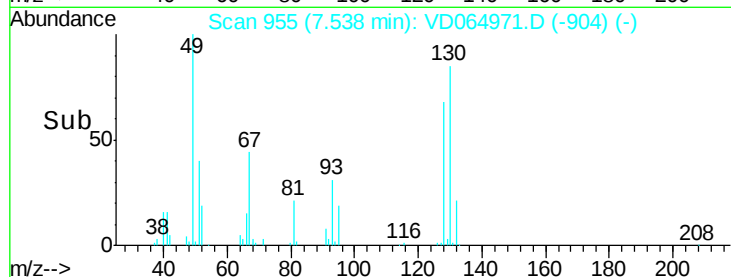
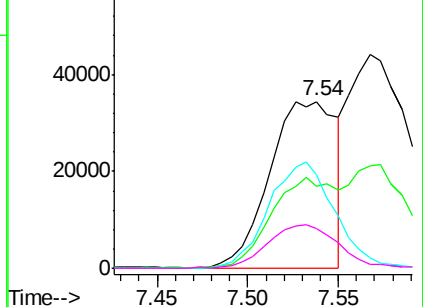


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.794 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064971.D

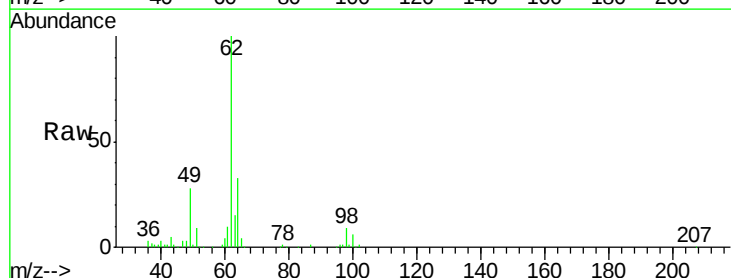
Acq: 27 Jan 2020 18:48

Tgt Ion: 62 Resp: 272171

Ion Ratio Lower Upper

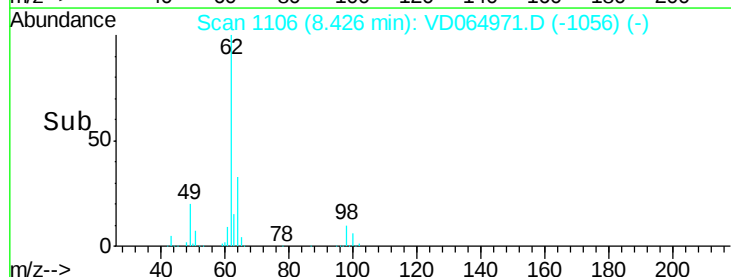
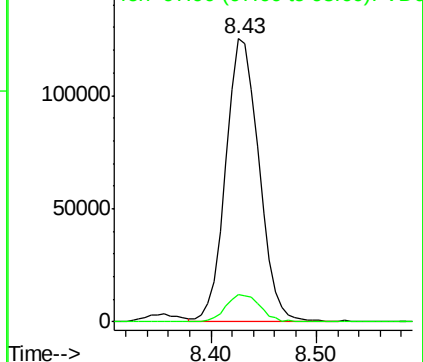
62 100

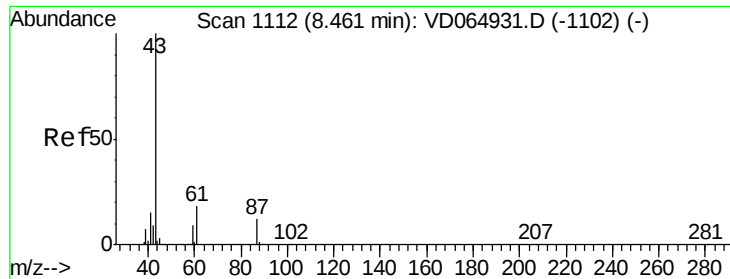
98 9.9 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 53.234 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

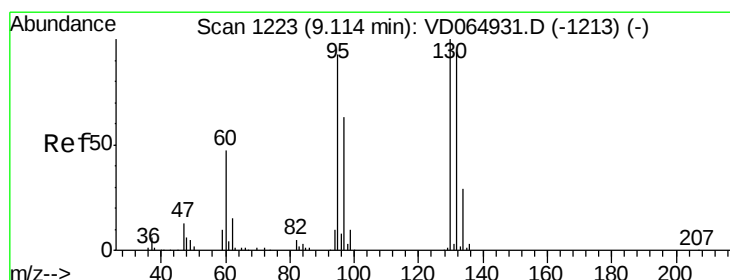
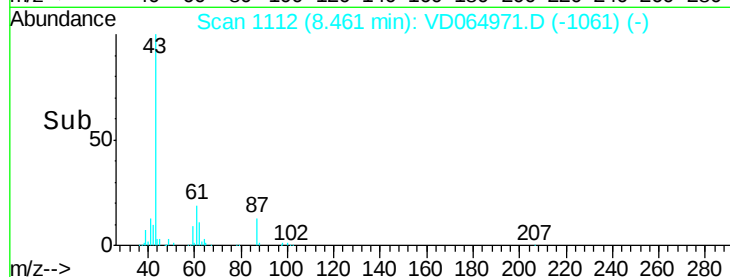
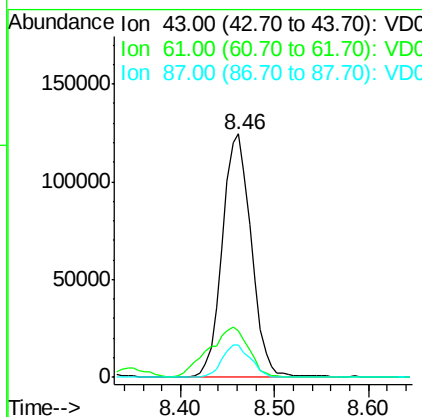
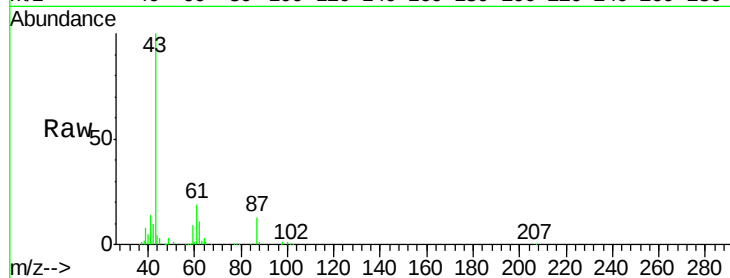
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	267531
Ion	Ratio	Lower	Upper
43	100		
61	28.6	23.8	35.6
87	13.1	10.3	15.5

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#44

Trichloroethene

Concen: 50.019 ug/l

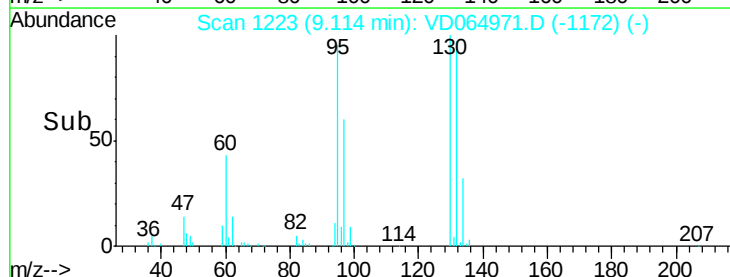
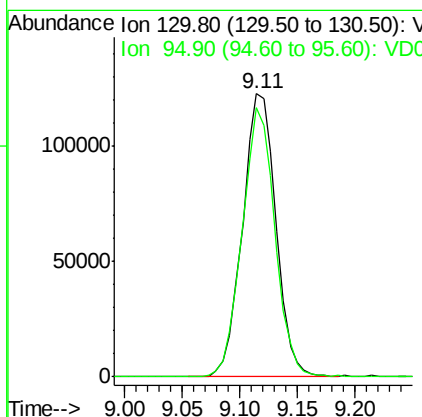
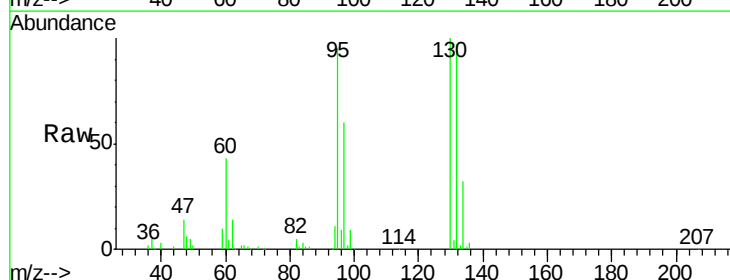
RT: 9.11 min Scan# 1223

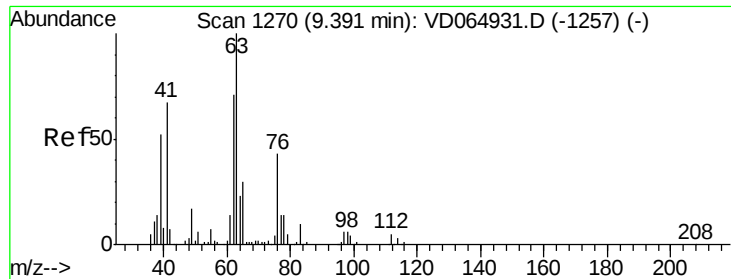
Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Tgt Ion:	130	Resp:	246947
Ion	Ratio	Lower	Upper
130	100		
95	95.3	0.0	185.8





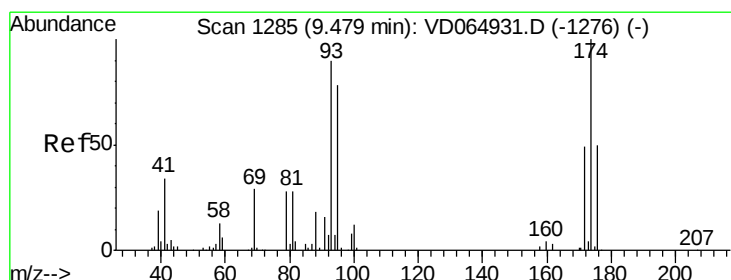
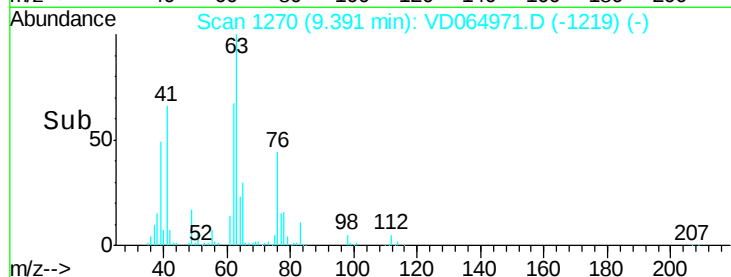
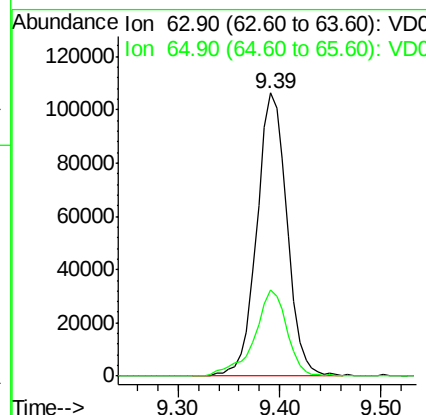
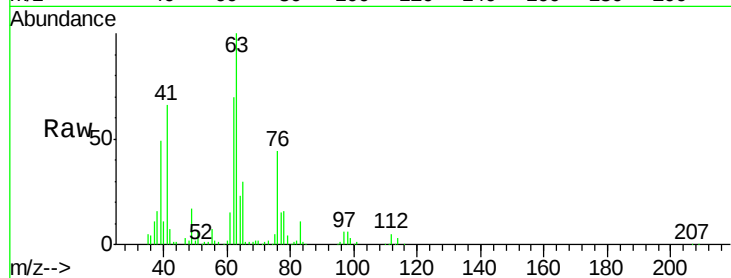
#45
 1,2-Dichloropropane
 Concen: 51.638 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.3	36.5

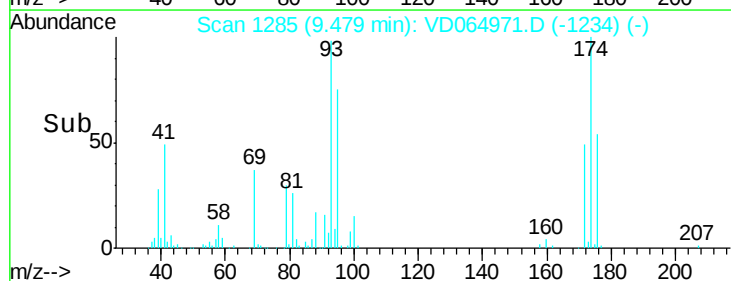
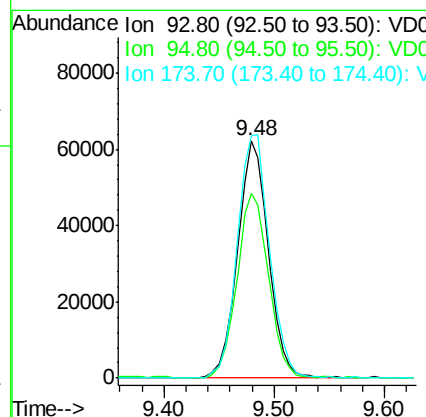
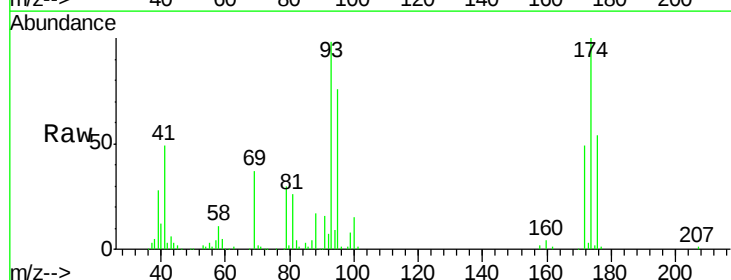
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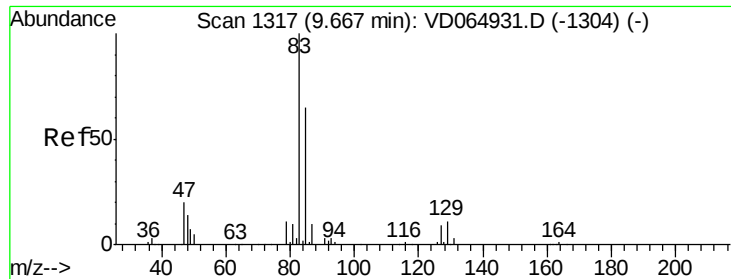
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#46
 Dibromomethane
 Concen: 52.242 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.0	67.5	101.3
174	107.1	88.4	132.6





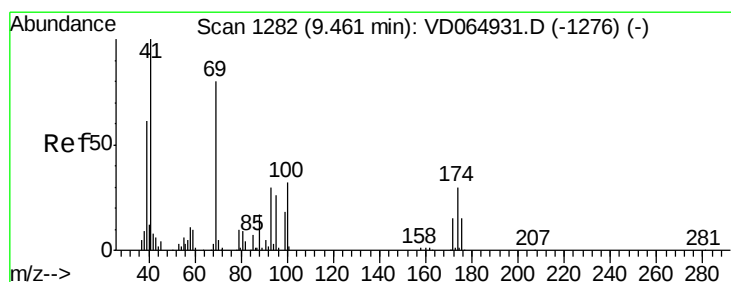
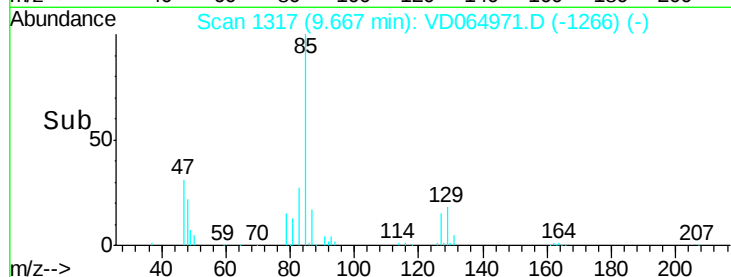
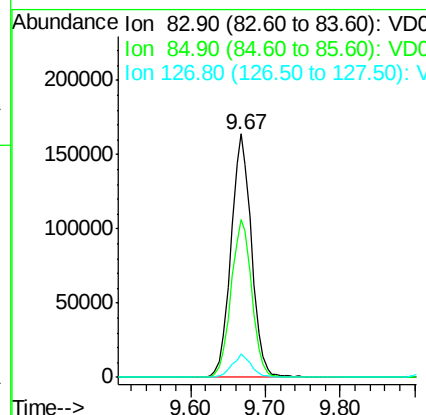
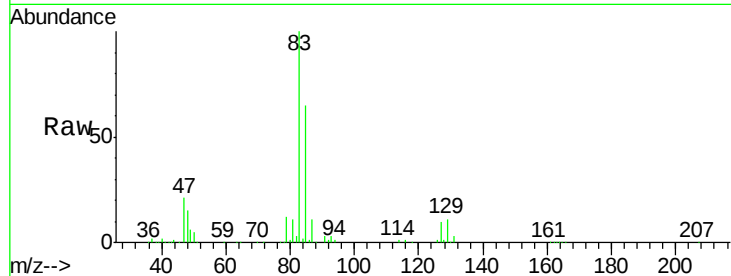
#47
Bromodichloromethane
Concen: 51.611 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	313559
Ion Ratio	100	Lower	Upper
83	100		
85	64.8	52.0	78.0
127	9.5	7.3	10.9

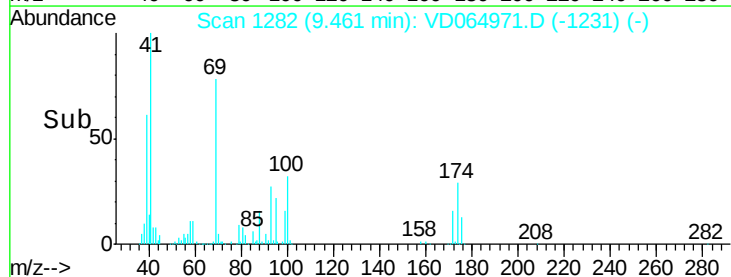
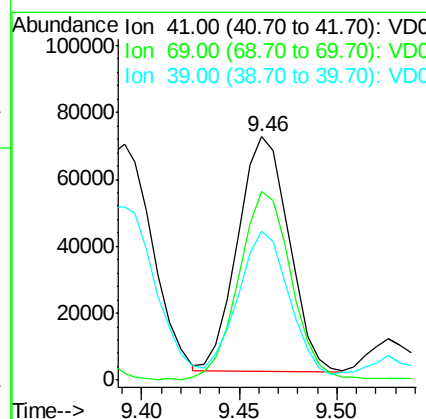
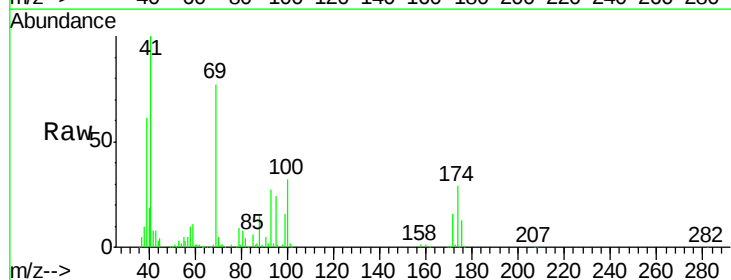
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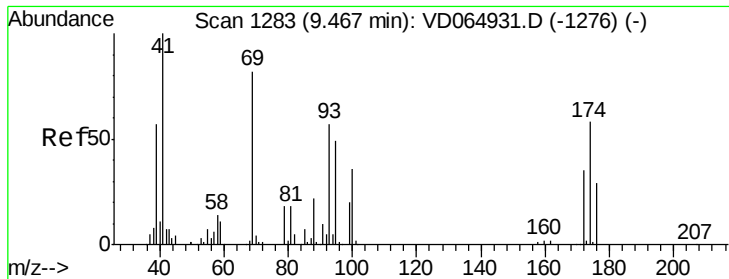
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#48
Methyl methacrylate
Concen: 55.377 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion	41	Resp	128070
Ion Ratio	100	Lower	Upper
41	100		
69	81.5	65.8	98.8
39	58.9	49.4	74.0





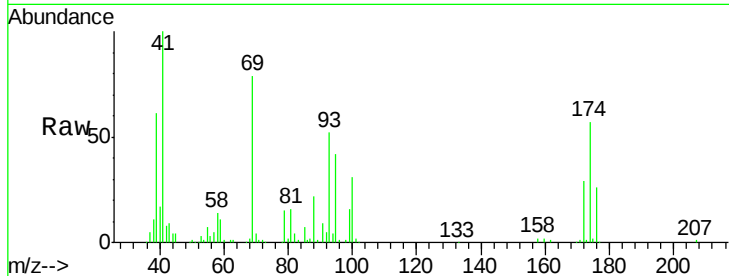
#49
1,4-Dioxane
Concen: 1084.770 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

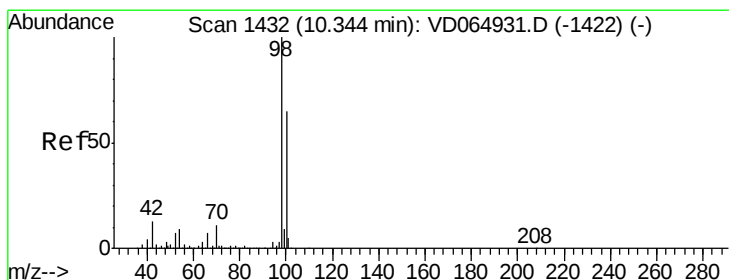
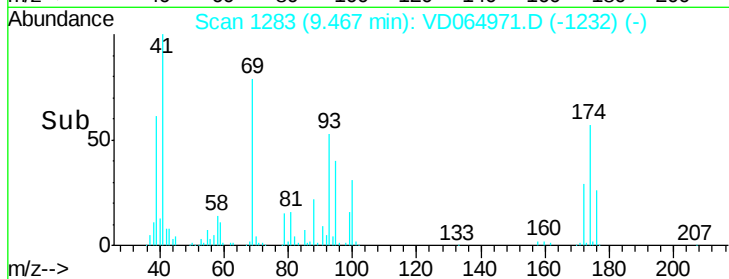
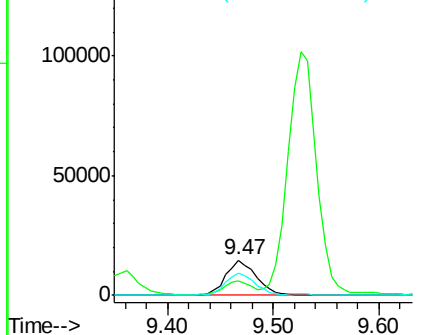
Tot Ion	88	Resp	29374
Ion Ratio	Lower	Upper	
88	100		
43	37.4	26.2	39.4
58	62.1	50.3	75.5

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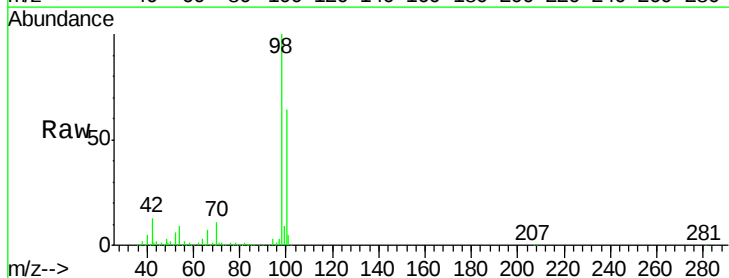


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

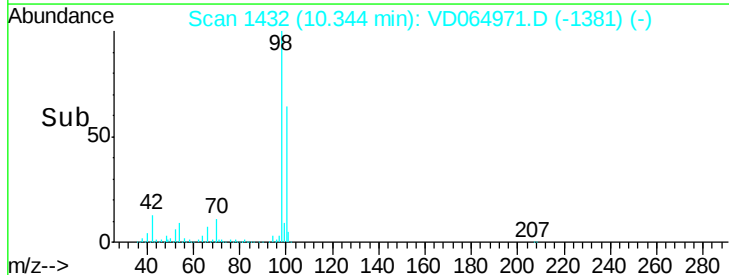
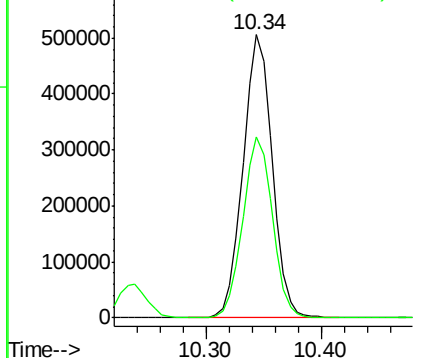


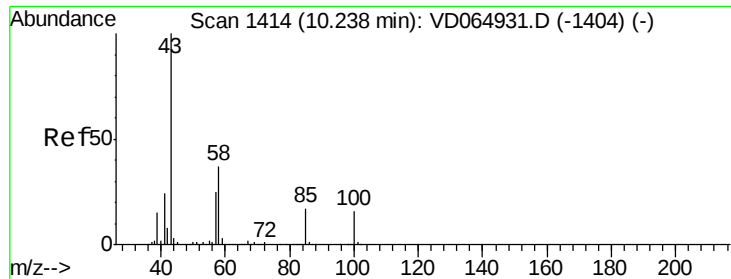
#50
Toluene-d8
Concen: 55.268 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion	98	Resp	890407
Ion Ratio	Lower	Upper	
98	100		
100	65.2	52.3	78.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 270.933 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 681294

Ion Ratio Lower Upper

43 100

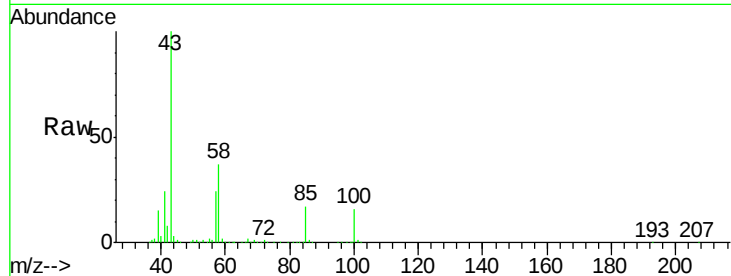
58 36.7 30.4 45.6

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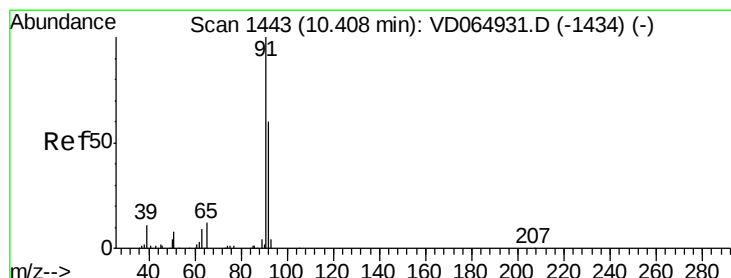
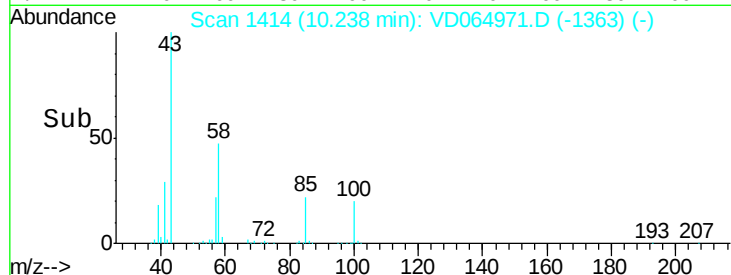
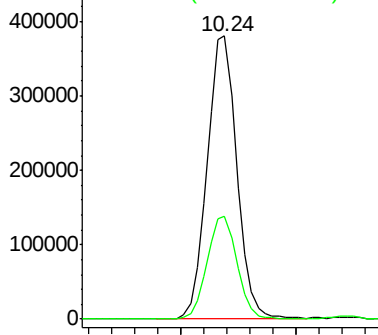
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 50.687 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064971.D

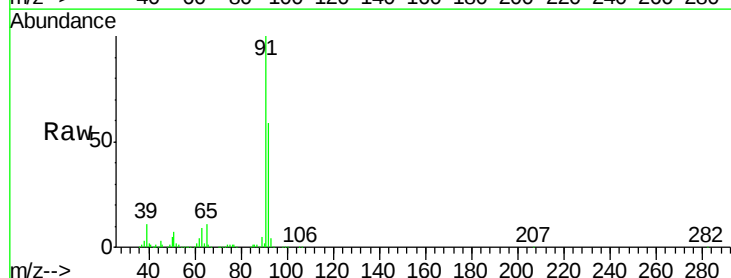
Acq: 27 Jan 2020 18:48

Tgt Ion: 92 Resp: 576488

Ion Ratio Lower Upper

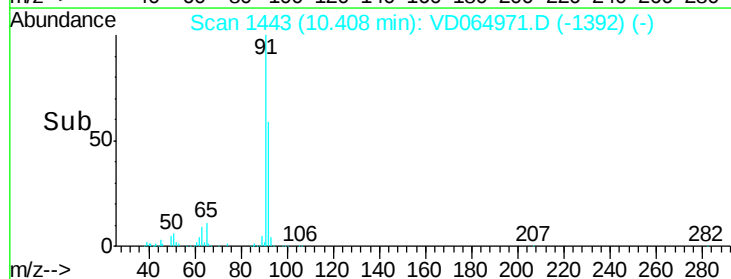
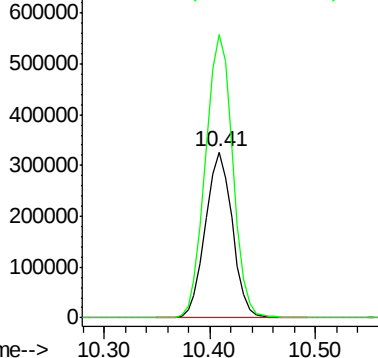
92 100

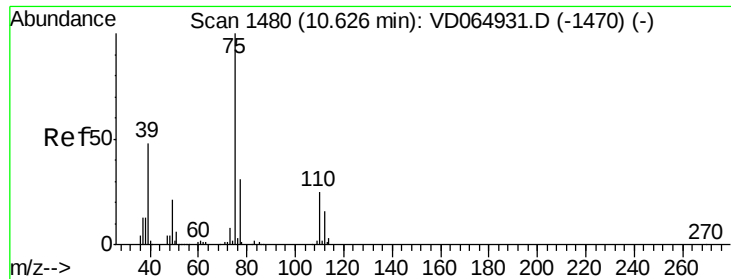
91 173.3 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





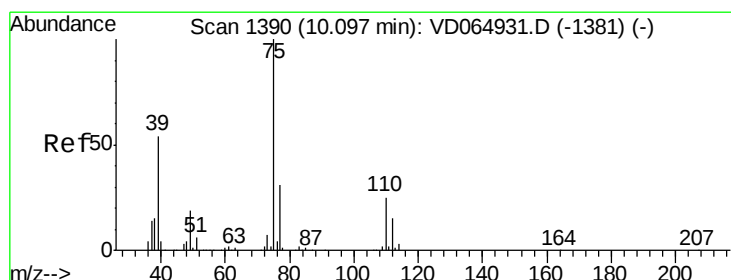
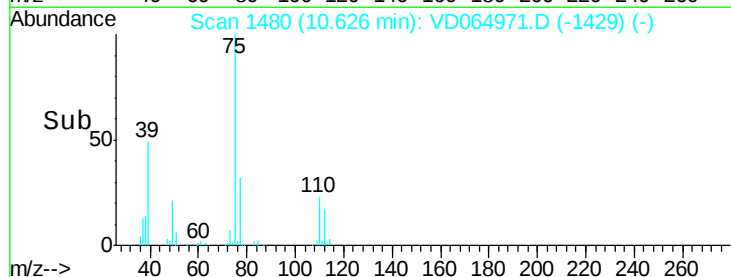
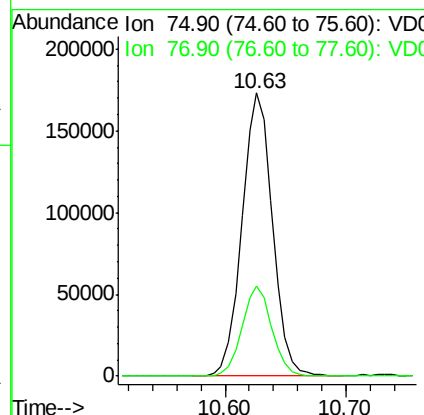
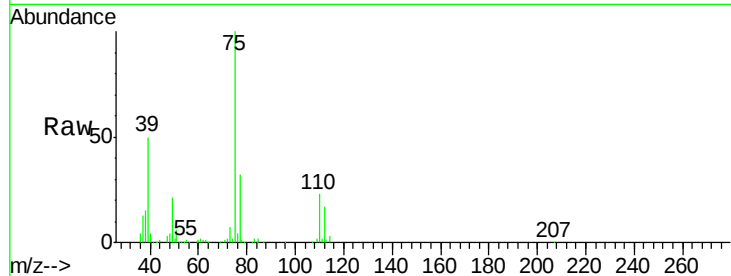
#53
 t-1,3-Dichloropropene
 Concen: 52.594 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 75 Resp: 304370
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.0 37.6

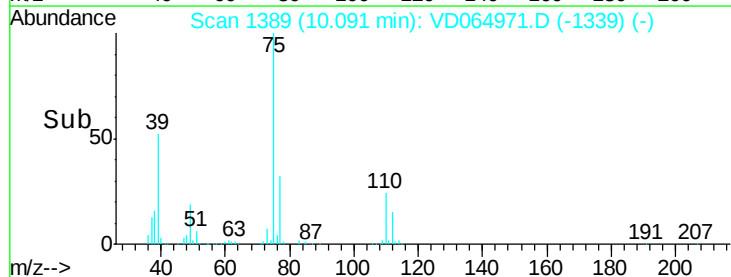
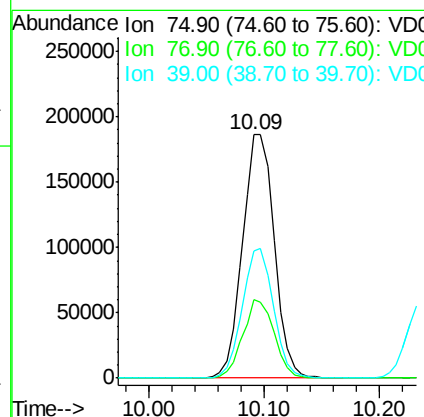
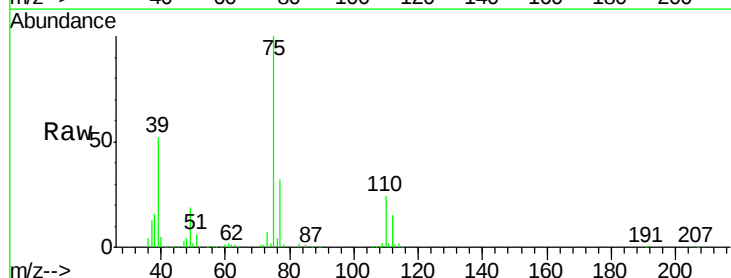
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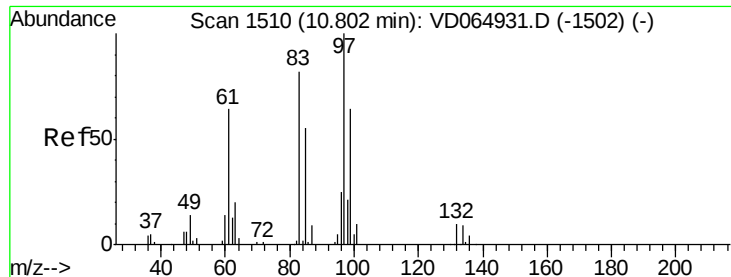
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#54
 cis-1,3-Dichloropropene
 Concen: 52.674 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion: 75 Resp: 356898
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.1 37.7
 39 52.1 43.0 64.6





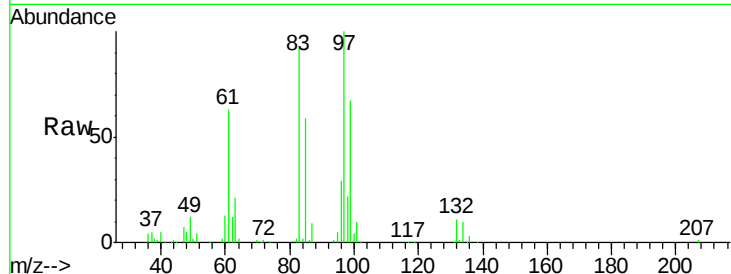
#55
 1,1,2-Trichloroethane
 Concen: 51.229 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

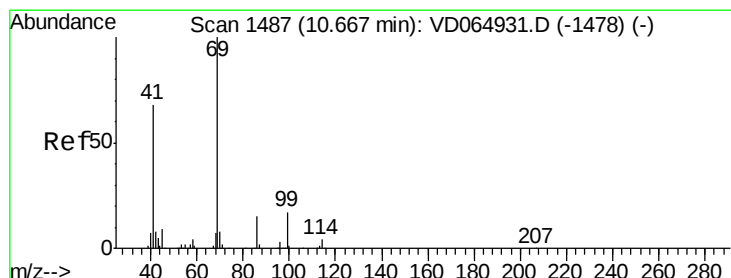
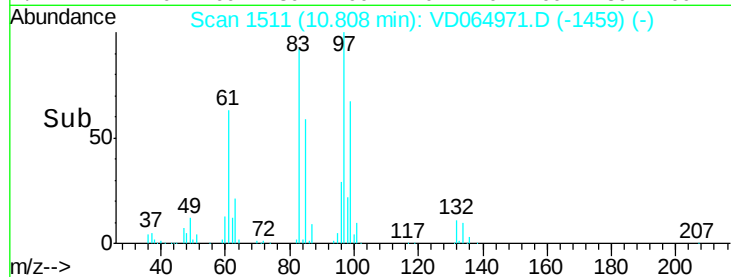
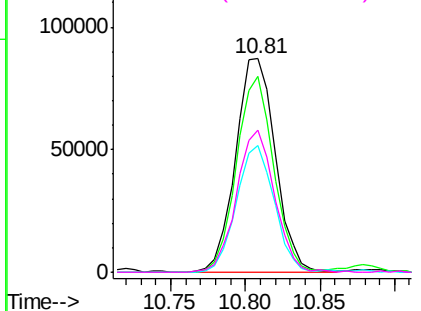
Tot Ion:	97	Resp:	161113
Ion	Ratio	Lower	Upper
97	100		
83	91.7	66.0	99.0
85	59.5	44.4	66.6
99	66.7	51.4	77.0

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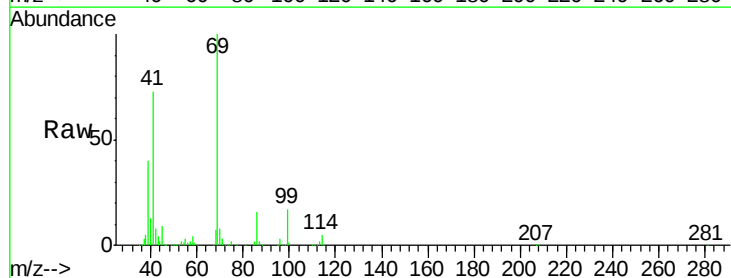


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

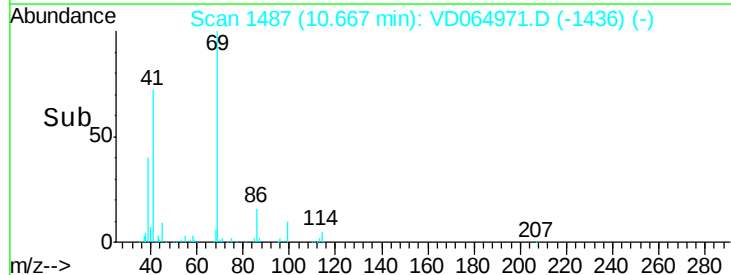
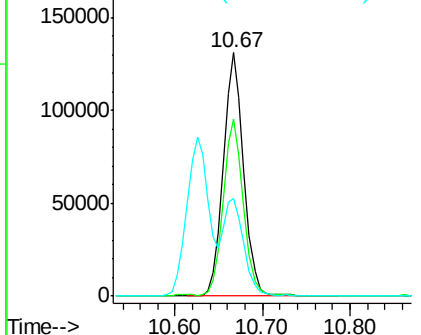


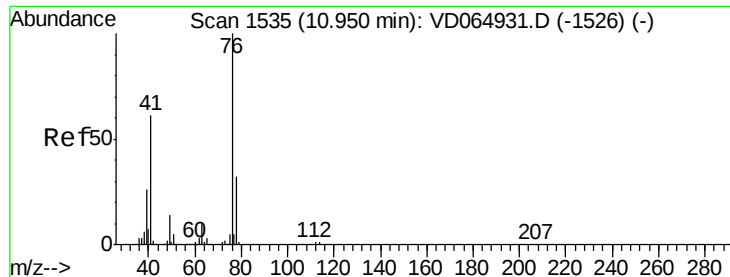
#56
 Ethyl methacrylate
 Concen: 55.662 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion:	69	Resp:	209337
Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.4	84.6
39	38.8	30.6	46.0



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





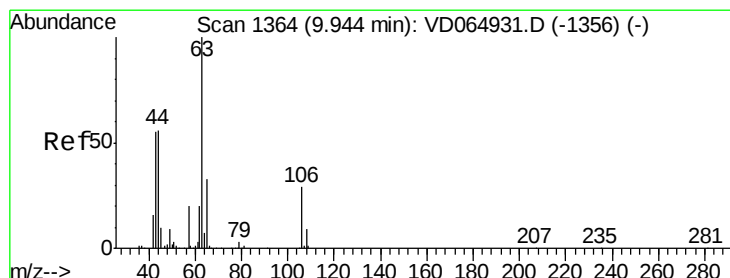
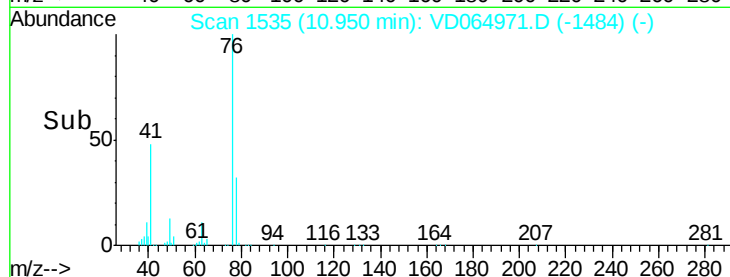
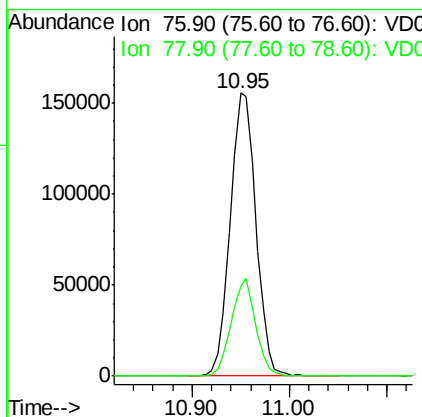
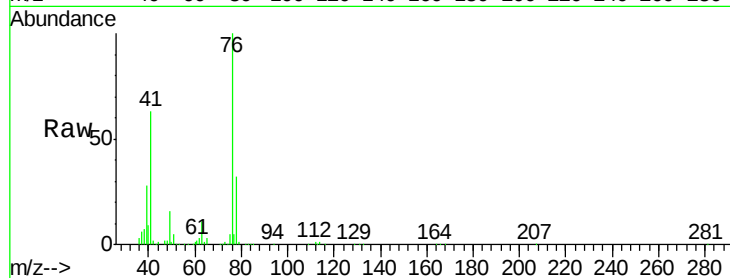
#57
 1,3-Dichloropropane
 Concen: 52.795 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	25.7	38.5

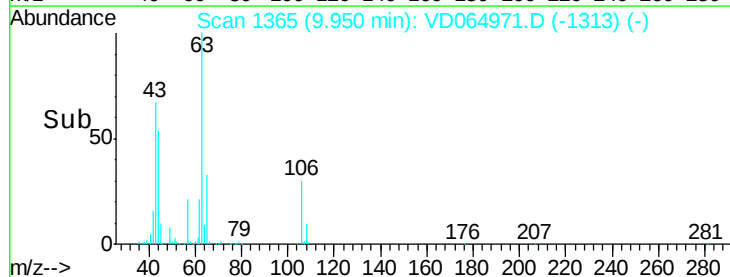
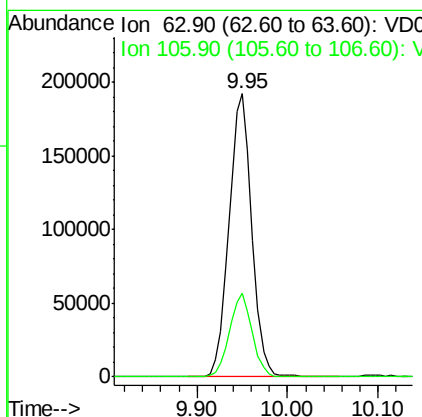
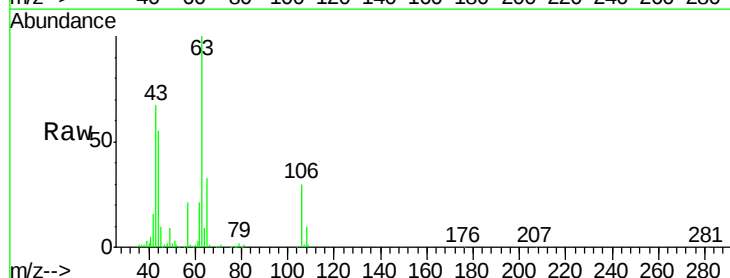
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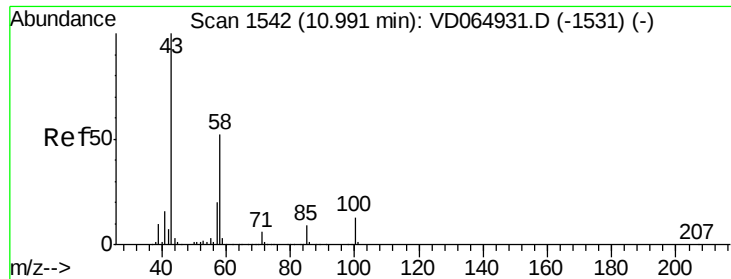
MMDadoda
 1/28/2020 3:40:11 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 268.372 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.0	34.4





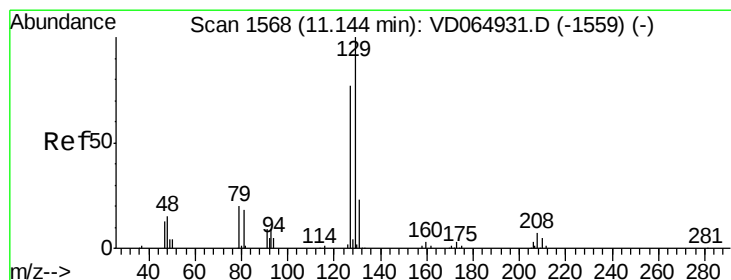
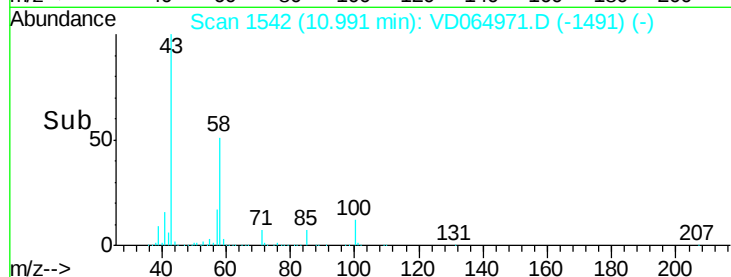
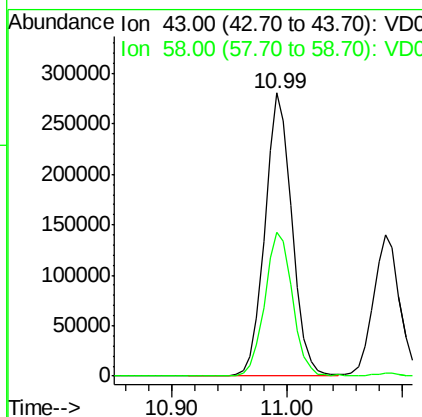
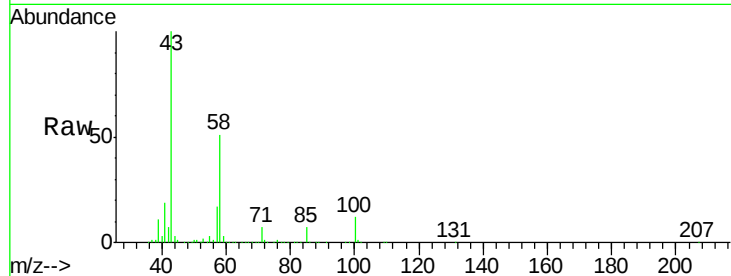
#59
2-Hexanone
Concen: 264.181 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 458226
Ion Ratio Lower Upper
43 100
58 52.2 26.5 79.4

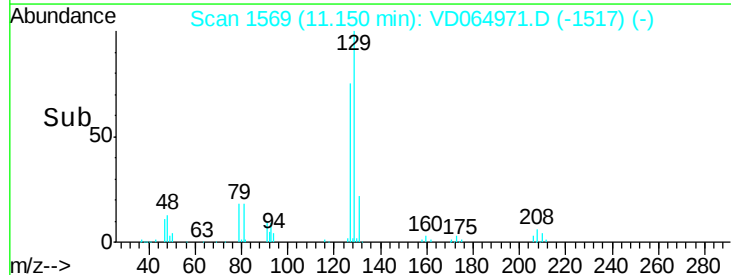
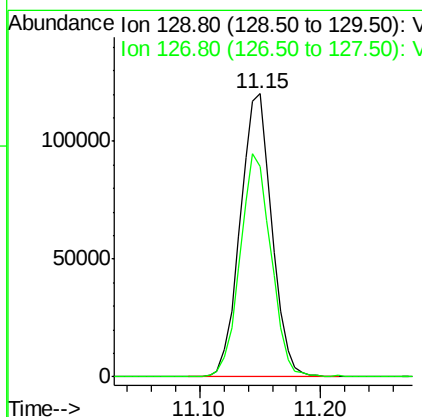
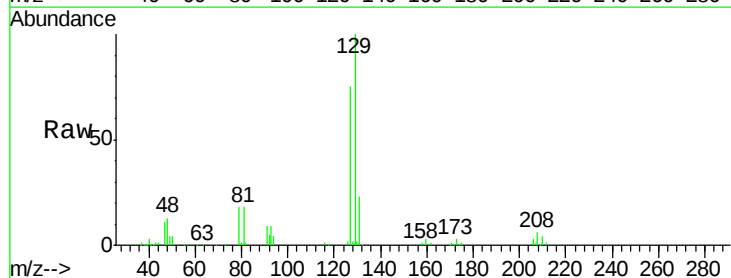
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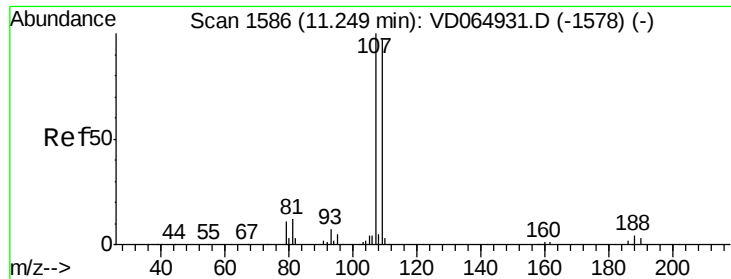
MMDadoda
1/28/2020 3:40:11 PM



#60
Dibromochloromethane
Concen: 52.307 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion: 129 Resp: 219871
Ion Ratio Lower Upper
129 100
127 77.2 38.2 114.6





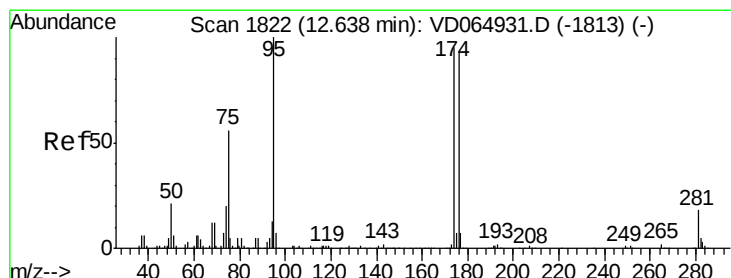
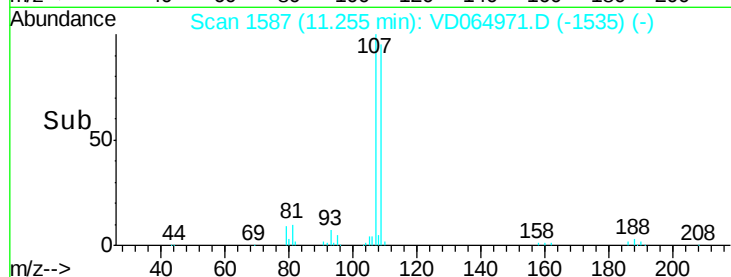
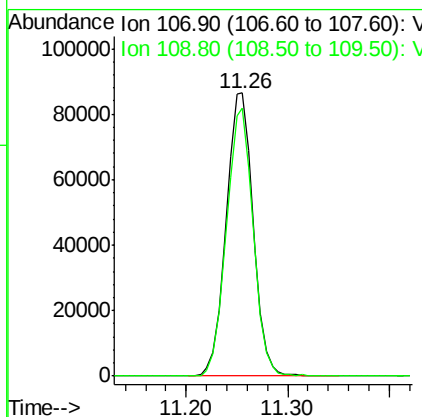
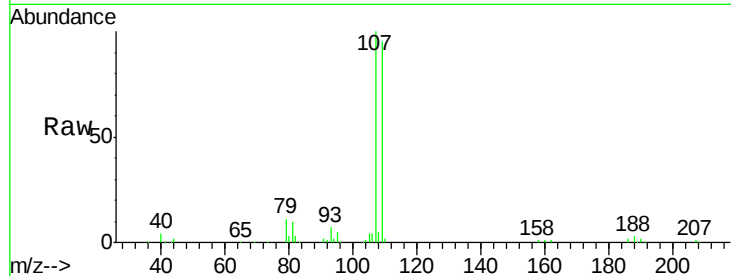
#61
 1,2-Dibromoethane
 Concen: 52.488 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	77.1	115.7

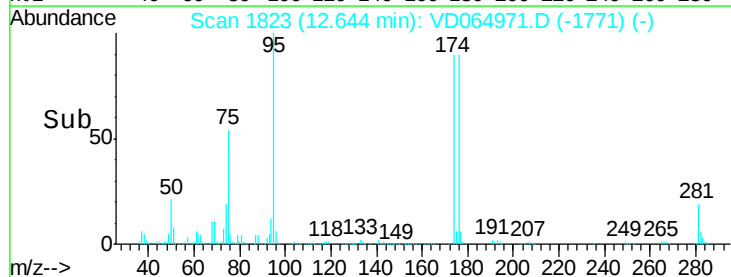
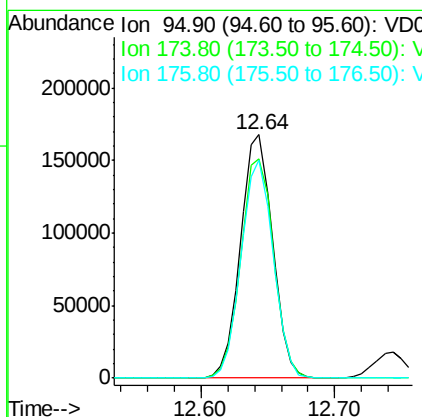
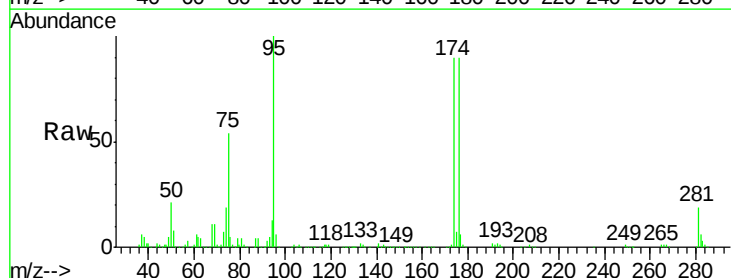
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#62
 4-Bromofluorobenzene
 Concen: 56.598 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.3	0.0	186.8
176	89.3	0.0	183.4





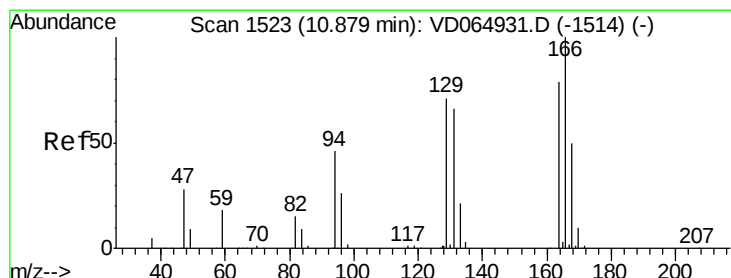
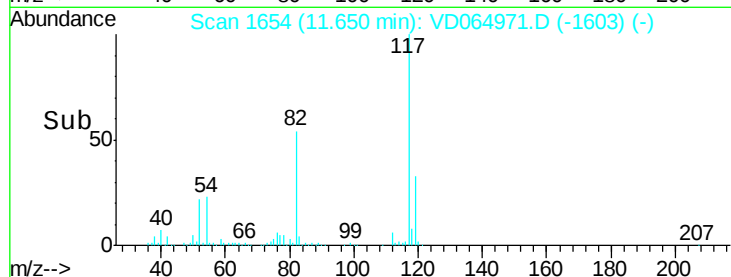
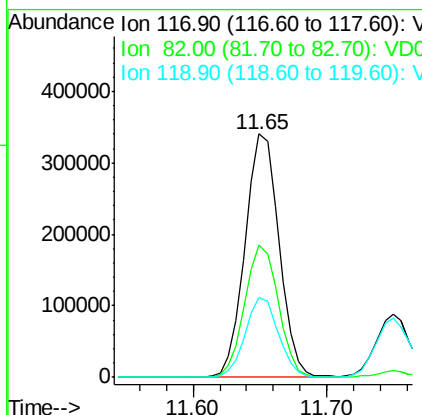
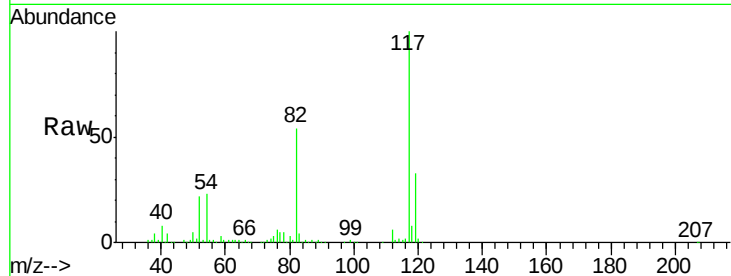
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.6	65.4
119	32.7	25.2	37.8

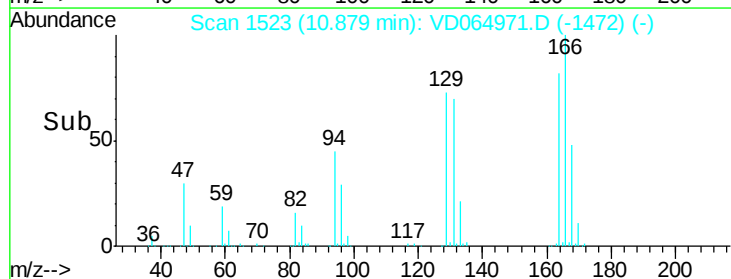
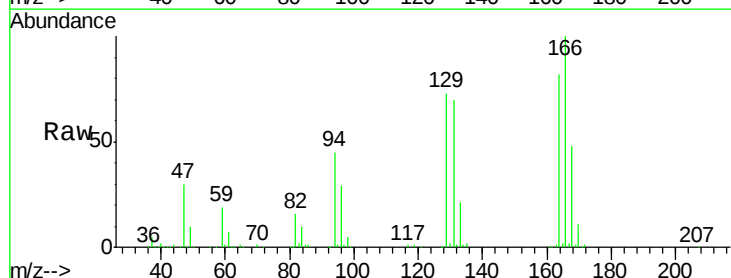
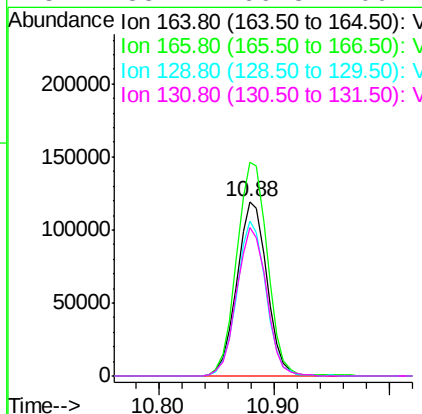
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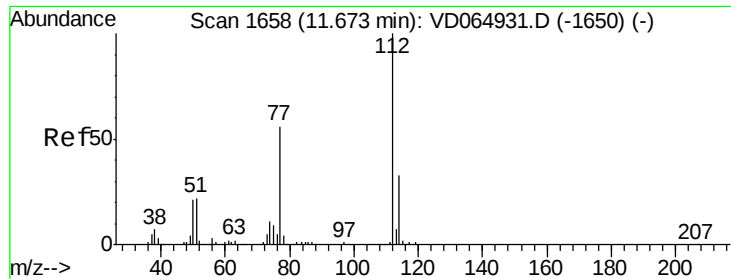
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#64
Tetrachloroethene
Concen: 49.696 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.7	101.4	152.2
129	89.2	71.8	107.8
131	85.4	66.8	100.2





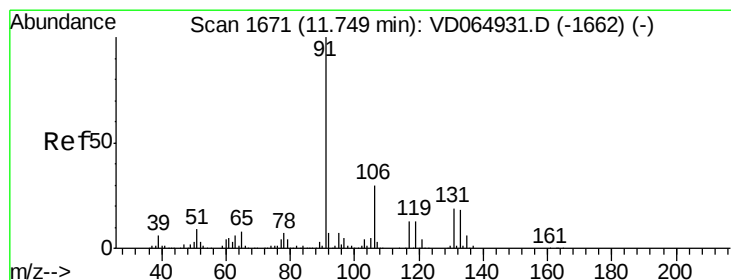
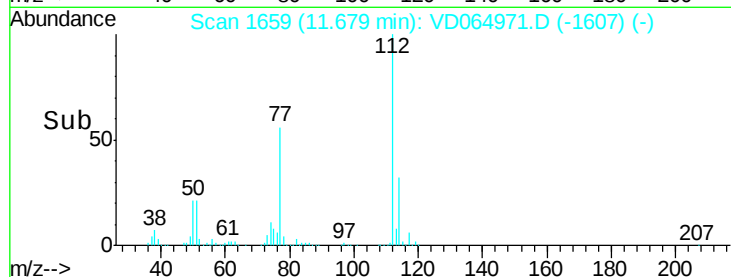
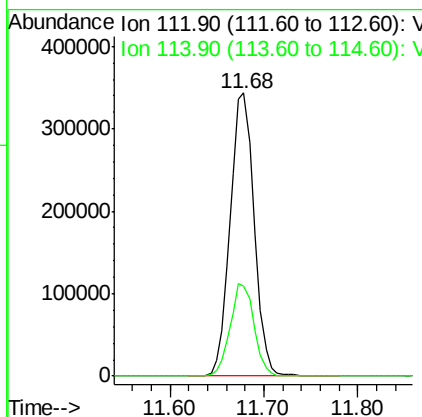
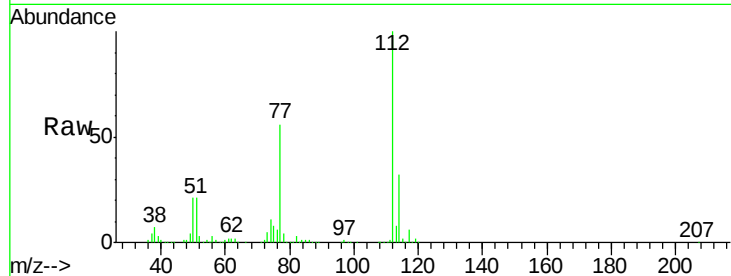
#65
Chlorobenzene
Concen: 50.074 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.2	39.4

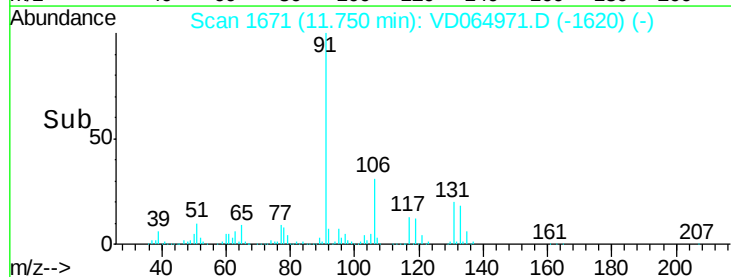
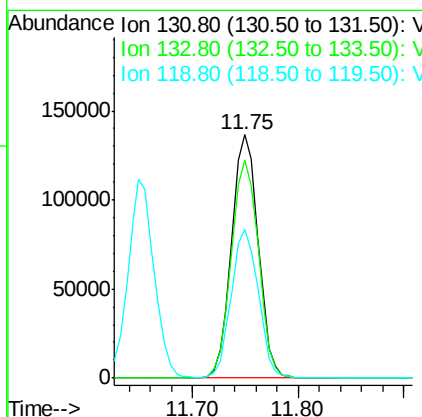
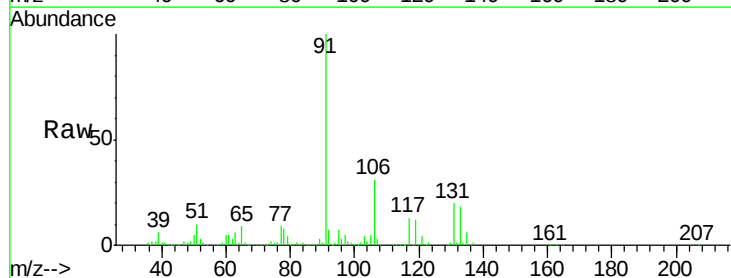
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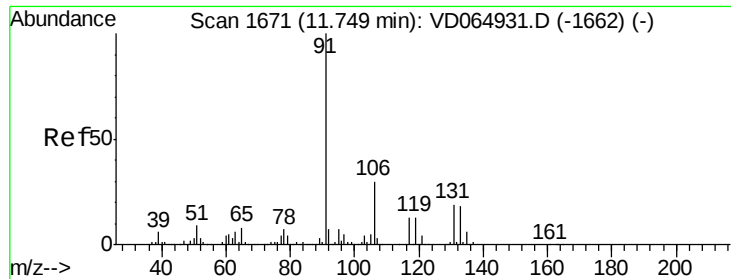
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.939 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.5	47.5	142.5
119	62.3	31.1	93.5





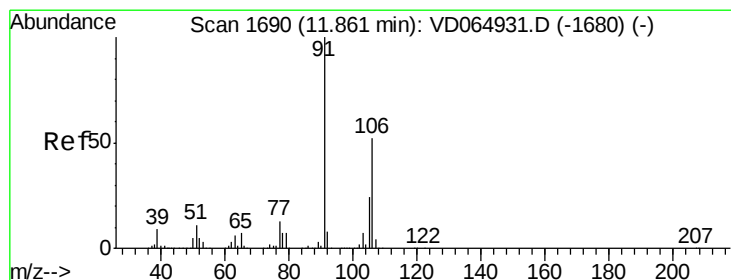
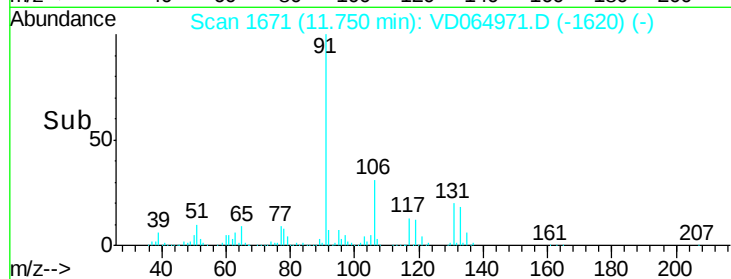
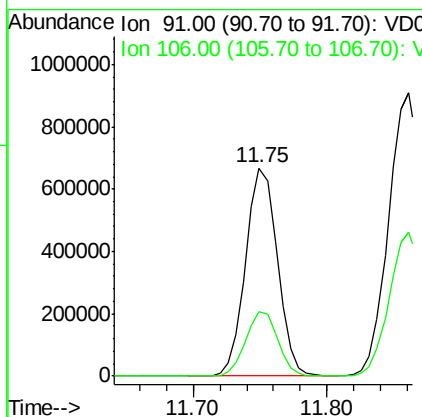
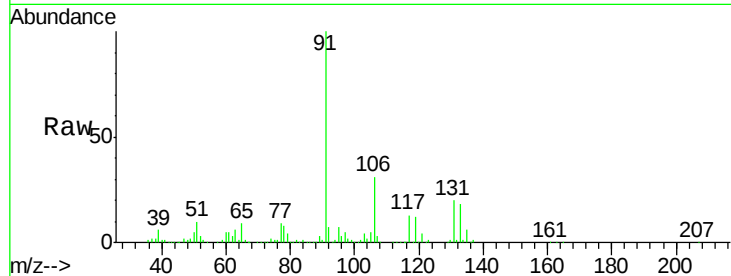
#67
Ethyl Benzene
Concen: 50.975 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1098900
Ion Ratio Lower Upper
91 100
106 31.2 24.3 36.5

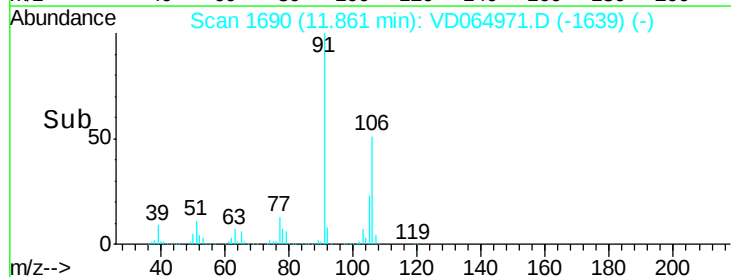
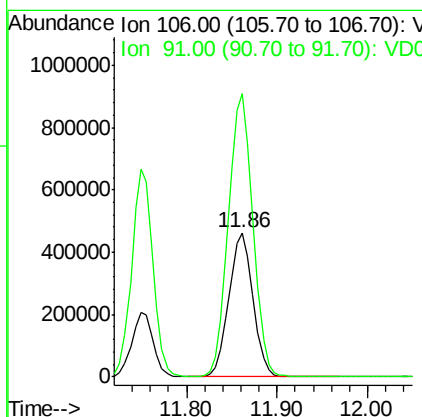
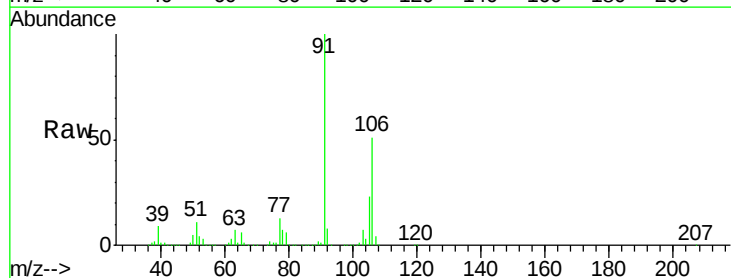
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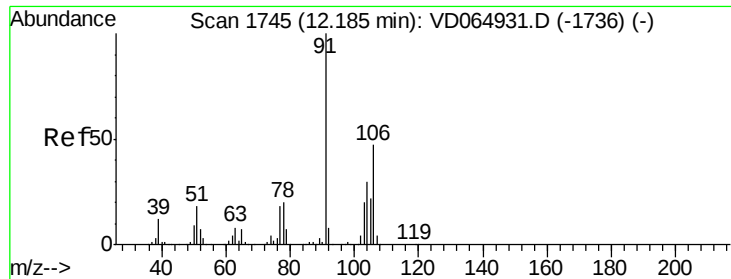
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#68
m/p-Xylenes
Concen: 102.821 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion: 106 Resp: 853429
Ion Ratio Lower Upper
106 100
91 200.0 159.0 238.4





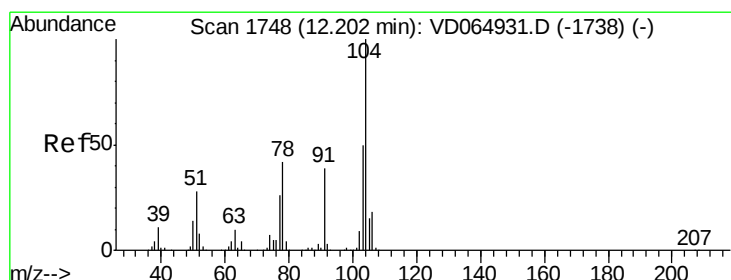
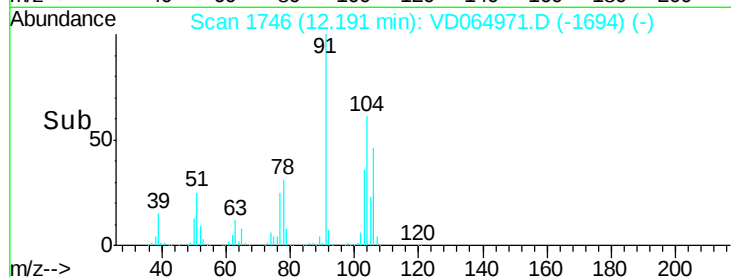
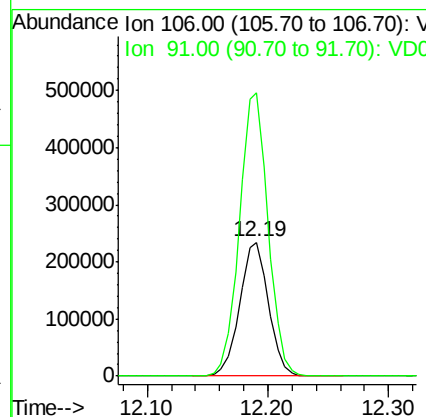
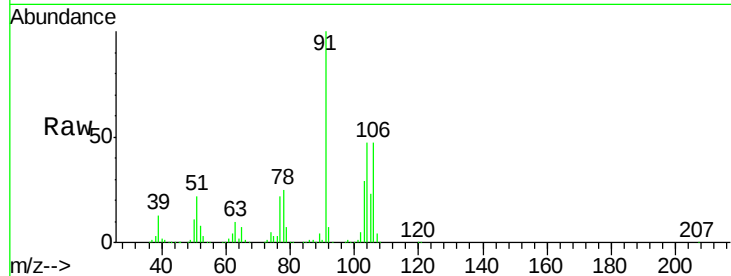
#69
o-Xylene
Concen: 52.760 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.9	106.7	319.9

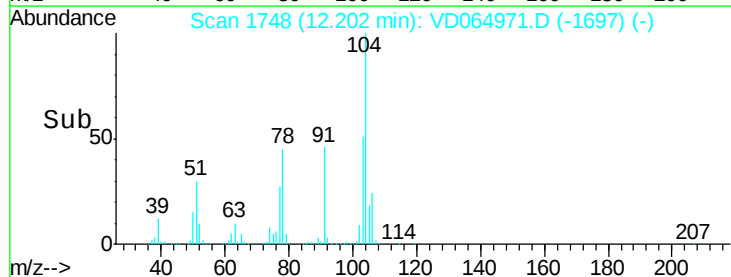
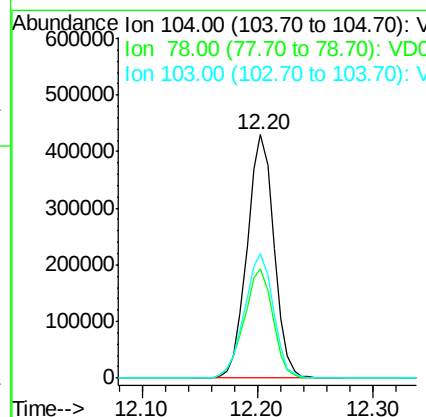
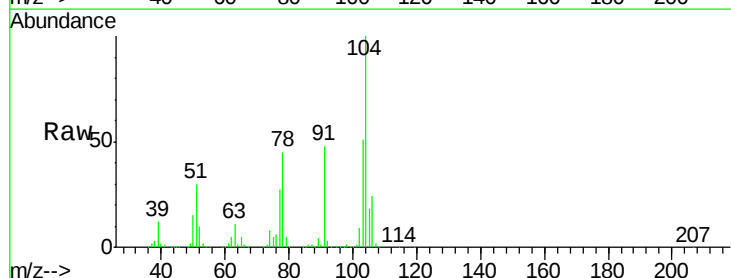
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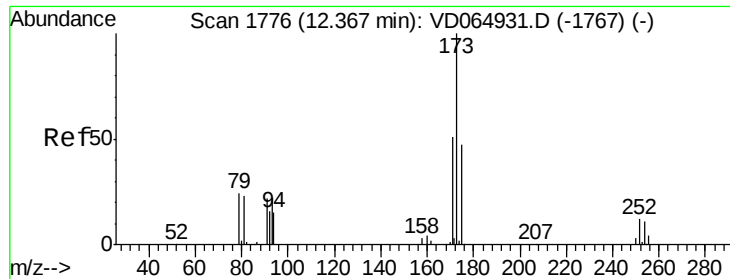
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#70
Styrene
Concen: 53.080 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.1	38.3	57.5
103	55.1	43.5	65.3





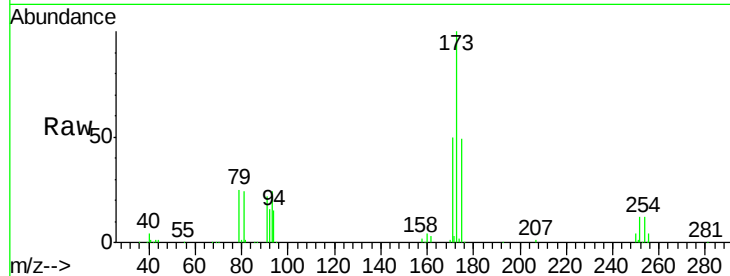
#71
Bromoform
Concen: 51.206 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.8
254	0.1	0.1	0.1

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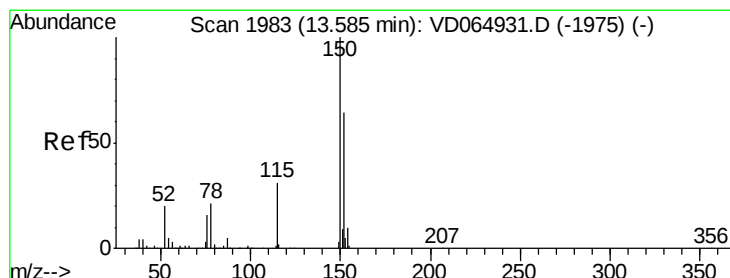
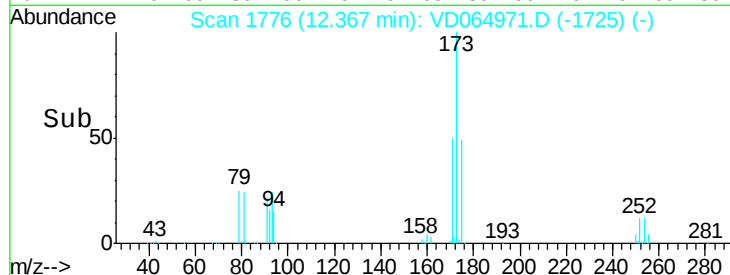
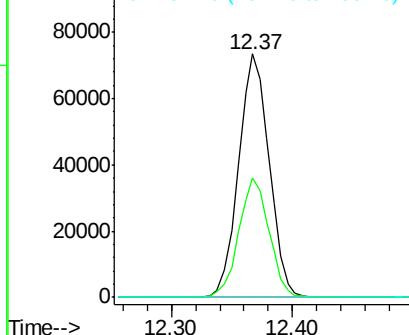


Abundance

Ion 172.70 (172.40 to 173.40): V

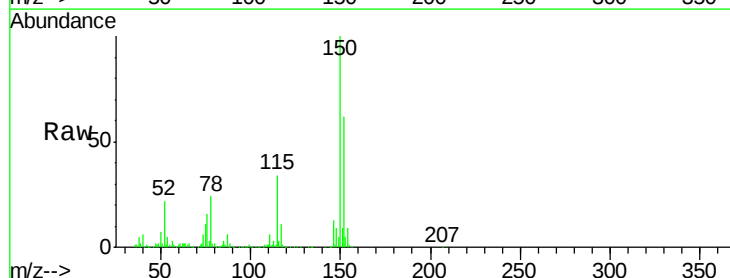
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	28.1	84.4
150	172.4	0.0	350.4

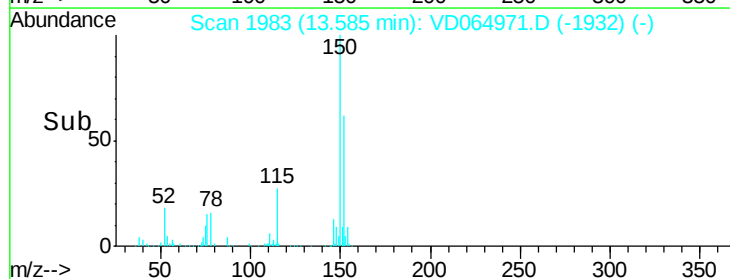
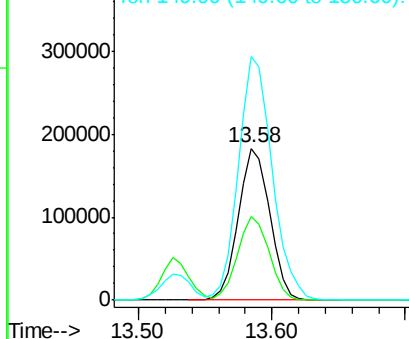


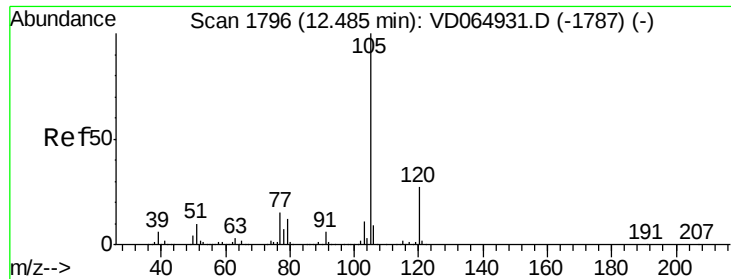
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.553 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1031055

Ion Ratio Lower Upper

105 100

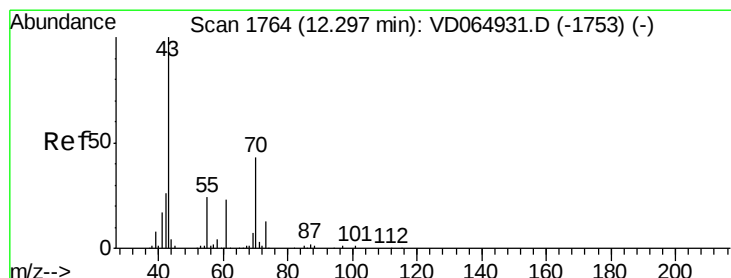
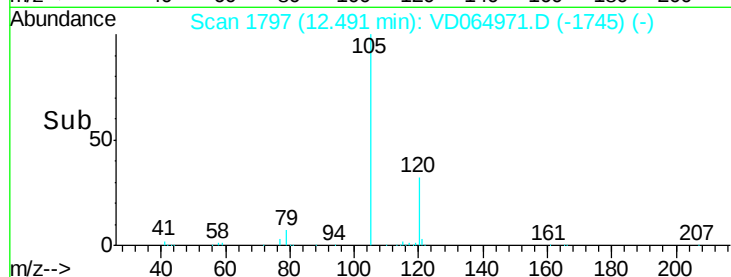
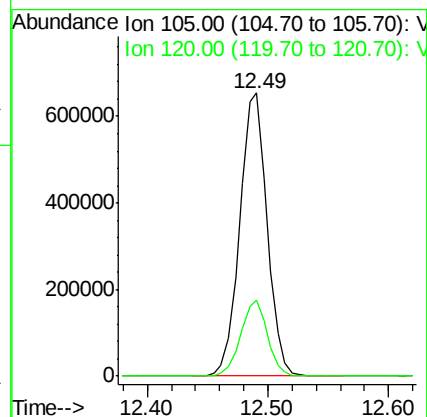
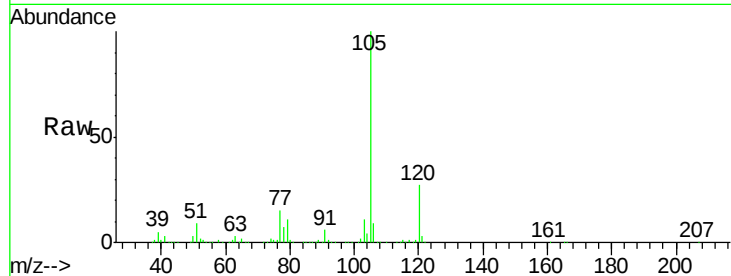
120 26.3 13.3 39.8

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#74

N-ethyl acetate

Concen: 53.279 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Tgt Ion: 43 Resp: 243158

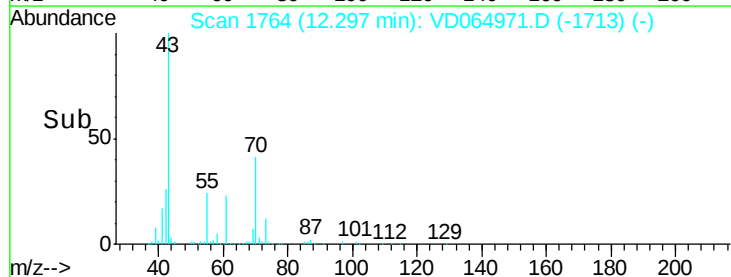
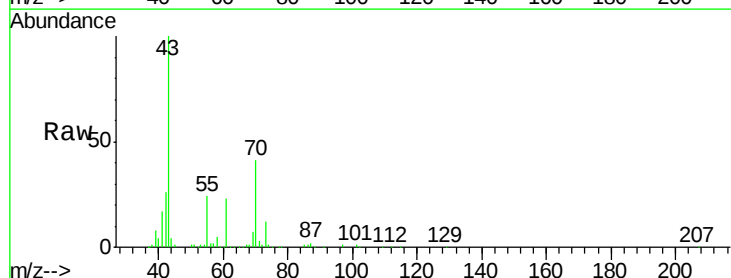
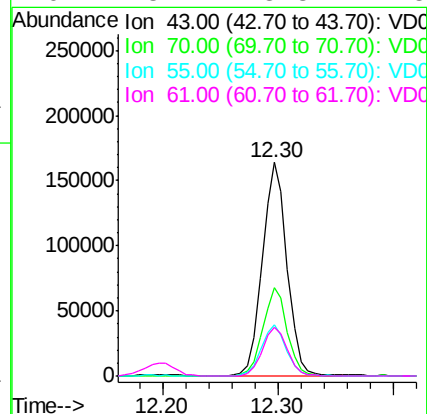
Ion Ratio Lower Upper

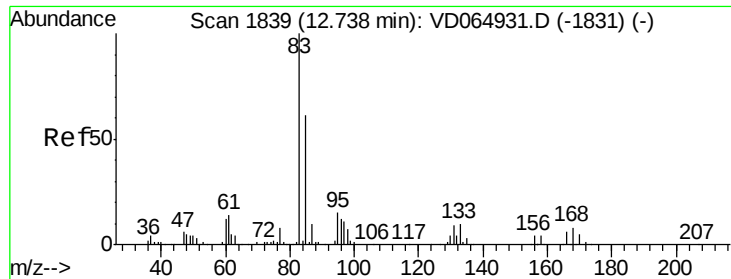
43 100

70 41.0 32.6 49.0

55 24.7 19.9 29.9

61 23.2 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.639 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

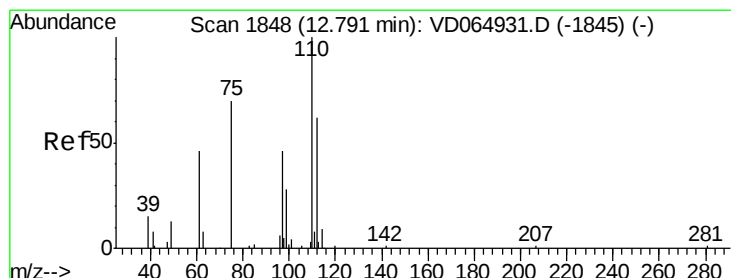
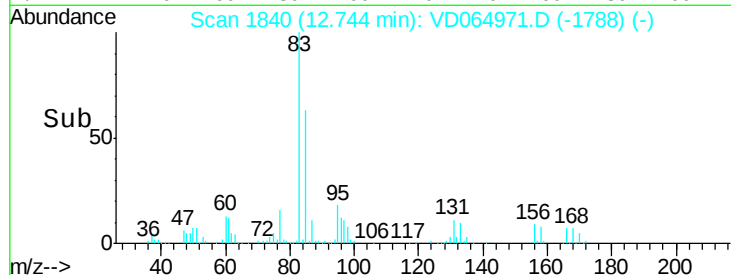
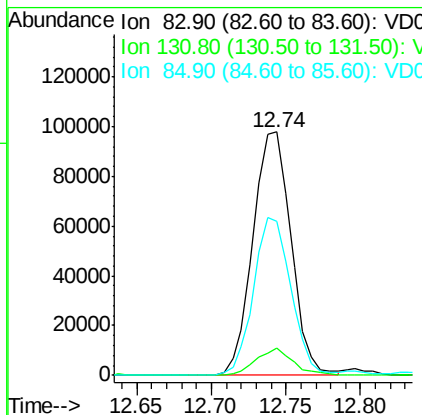
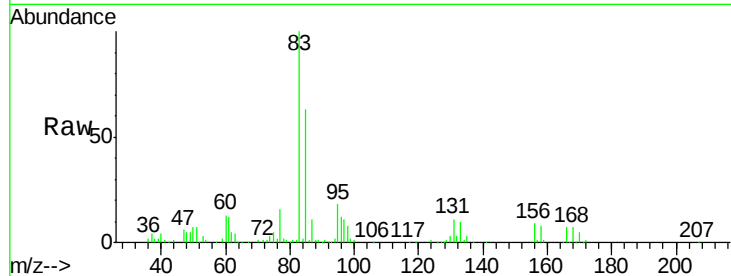
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	173584
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.4
85	63.6	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 40.747 ug/l m

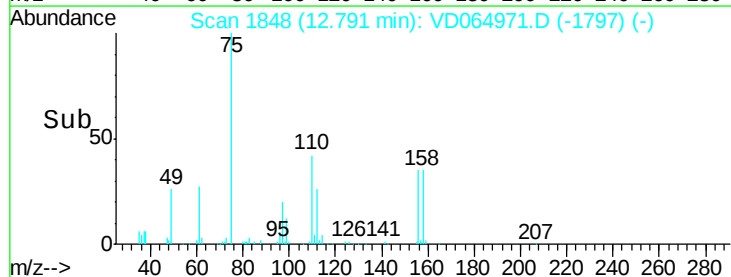
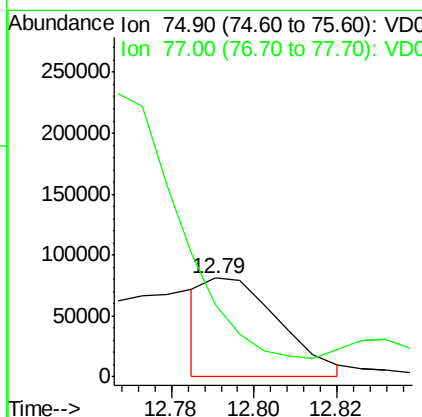
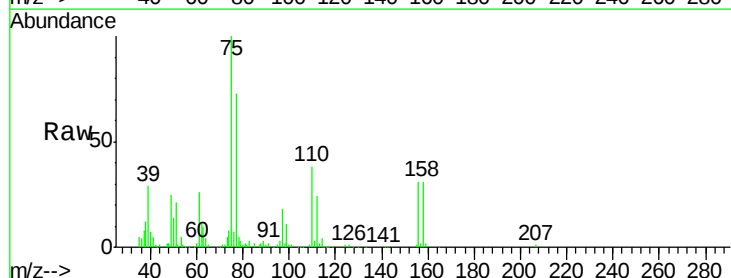
RT: 12.79 min Scan# 1848

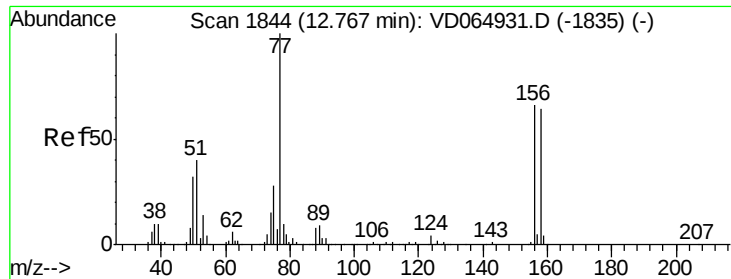
Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Tgt Ion:	75	Resp:	100920
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.279 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

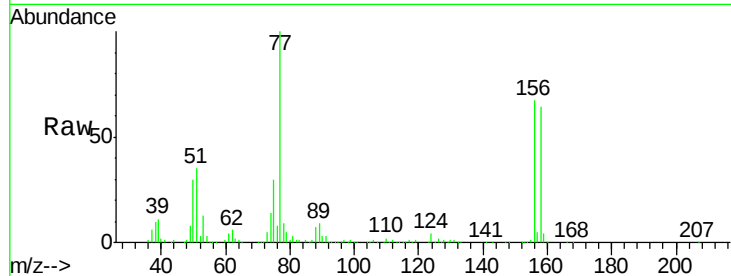
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		250904		
77	171.0	84.2	252.5		
158	98.4	48.1	144.4		

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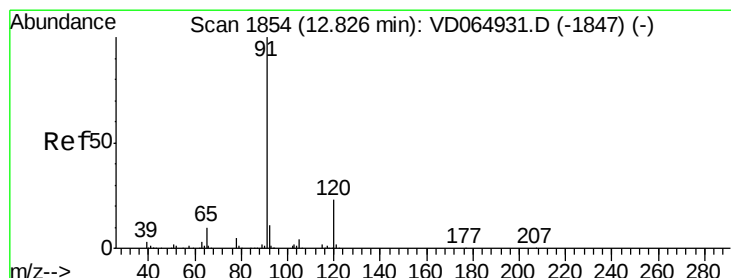
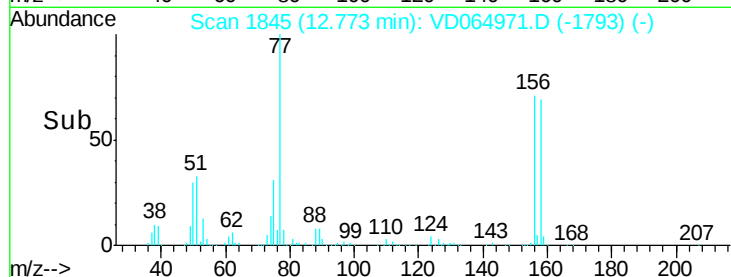
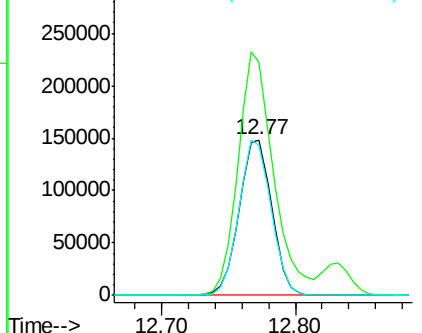
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.834 ug/l

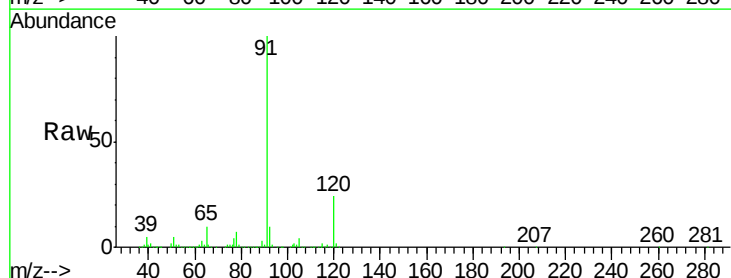
RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD064971.D

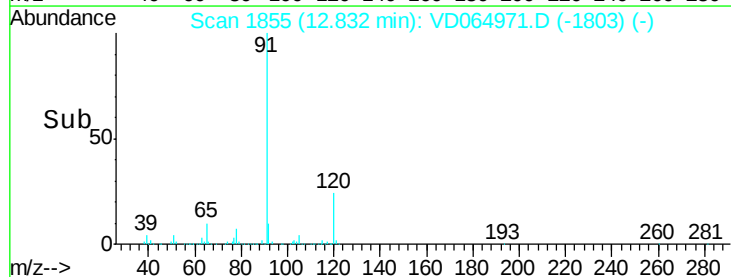
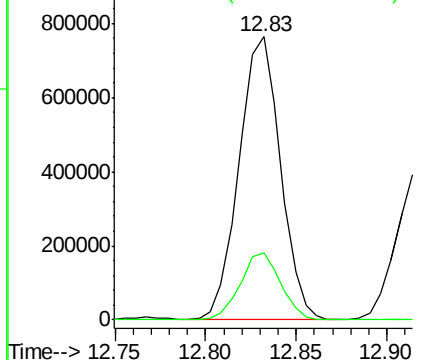
Acq: 27 Jan 2020 18:48

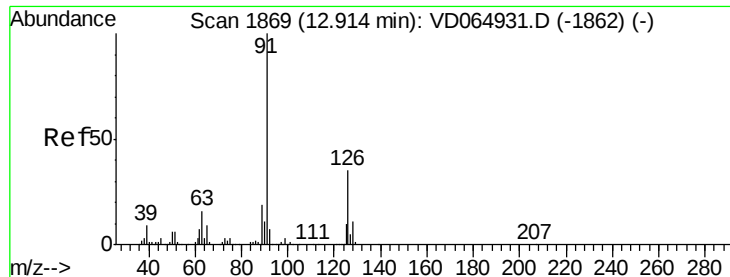
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1208742		
120	23.3	11.7	35.1		



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





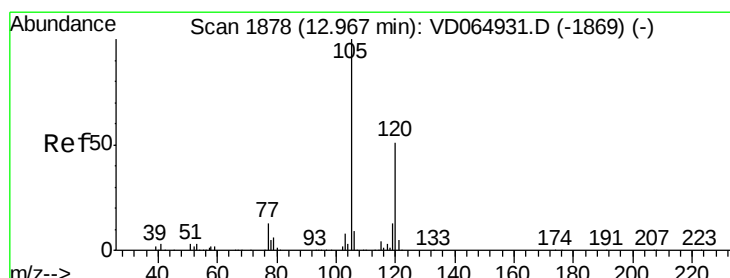
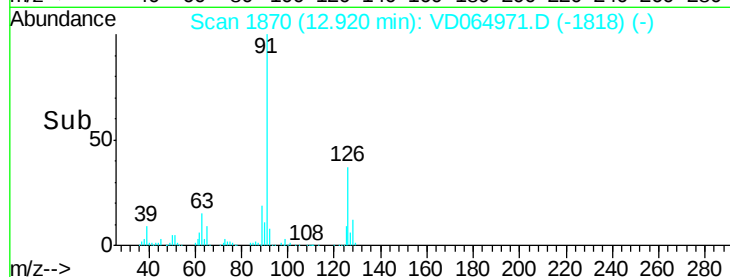
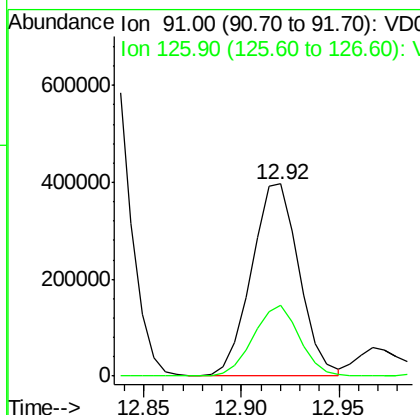
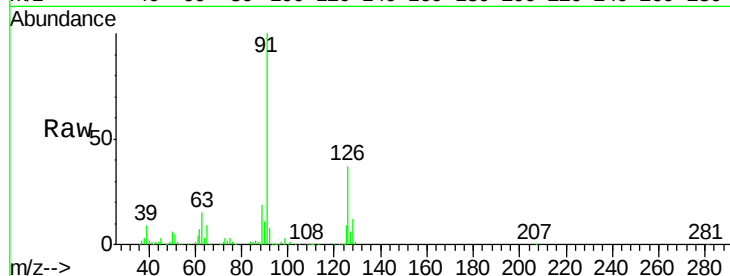
#79
 2-Chlorotoluene
 Concen: 50.400 ug/l
 RT: 12.92 min Scan# 1870
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 91 Resp: 670626
 Ion Ratio Lower Upper
 91 100
 126 35.8 17.9 53.8

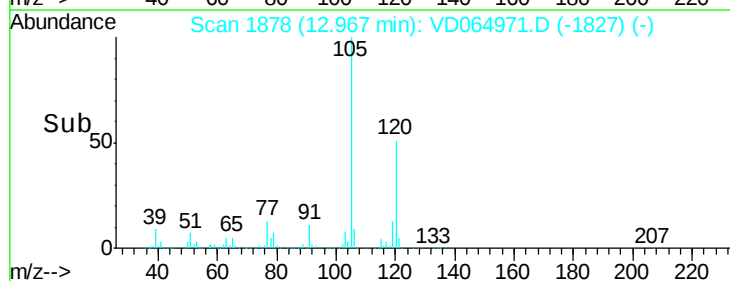
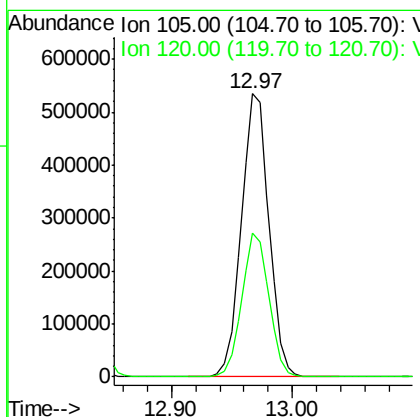
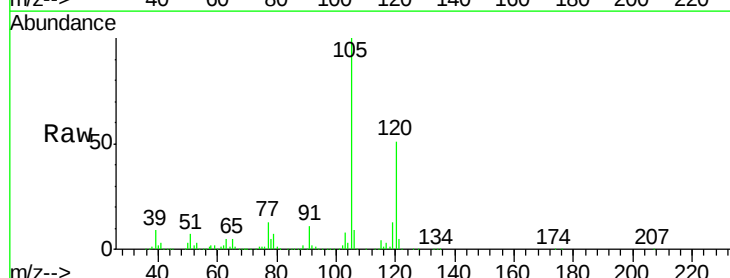
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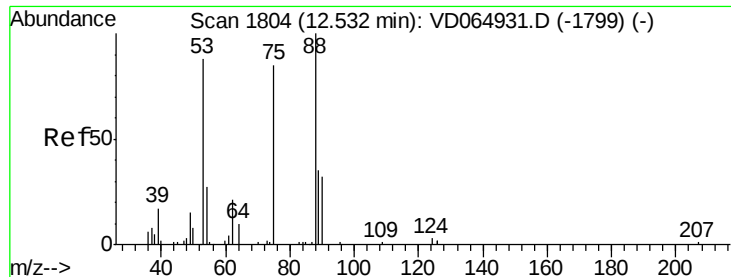
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.984 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion: 105 Resp: 852155
 Ion Ratio Lower Upper
 105 100
 120 50.0 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 51.408 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

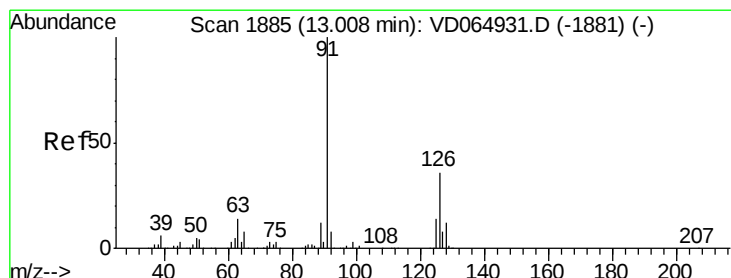
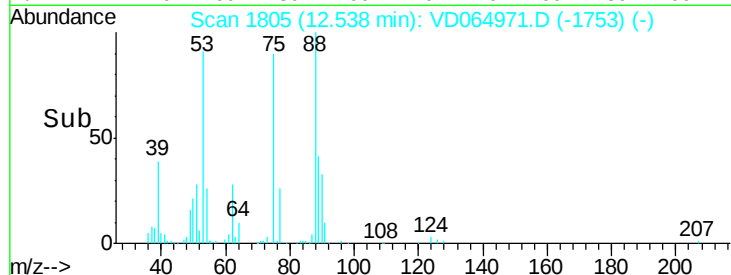
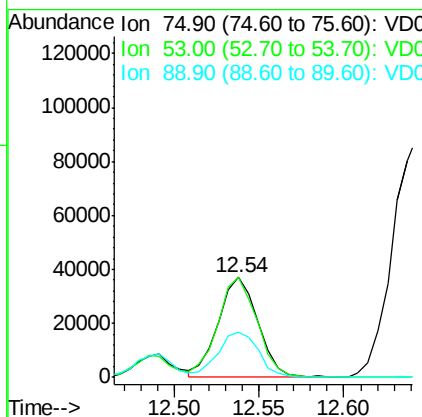
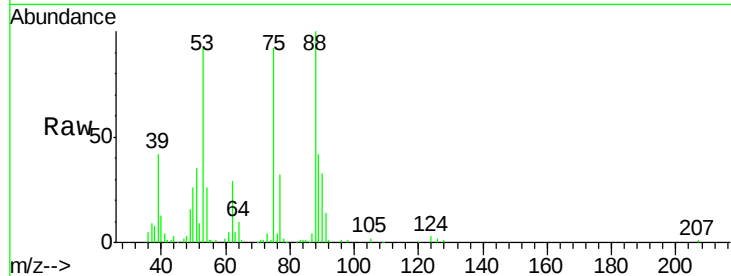
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	59631
Ion	Ratio	Lower	Upper
75	100		
53	100.4	81.0	121.4
89	47.1	36.2	54.4

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#82

4-Chlorotoluene

Concen: 50.537 ug/l

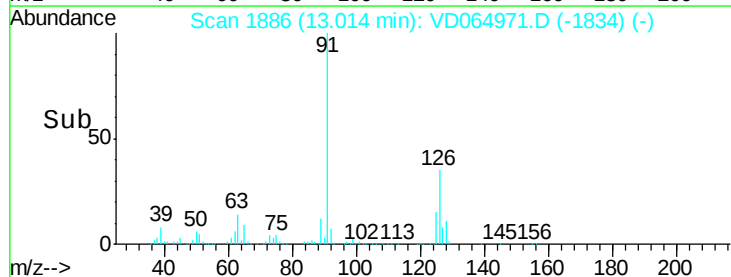
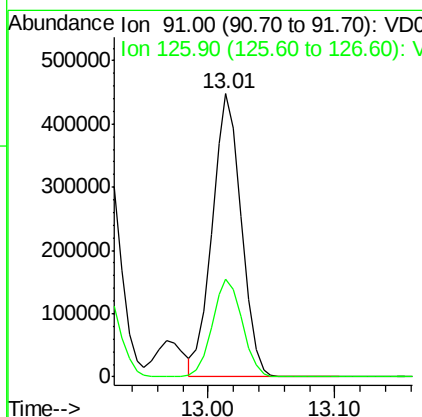
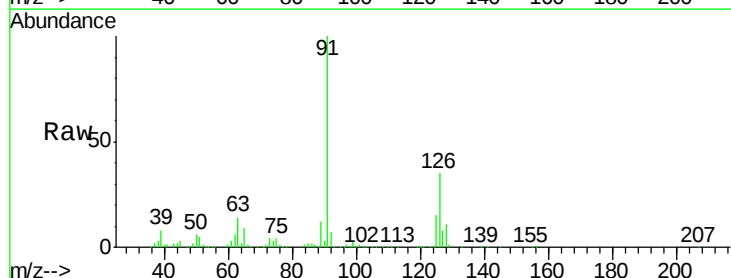
RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Tgt Ion:	91	Resp:	713131
Ion	Ratio	Lower	Upper
91	100		
126	35.5	18.0	54.0





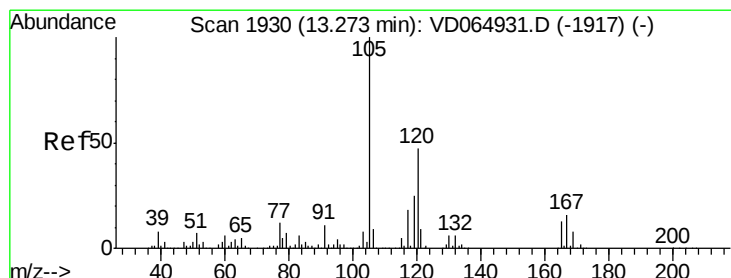
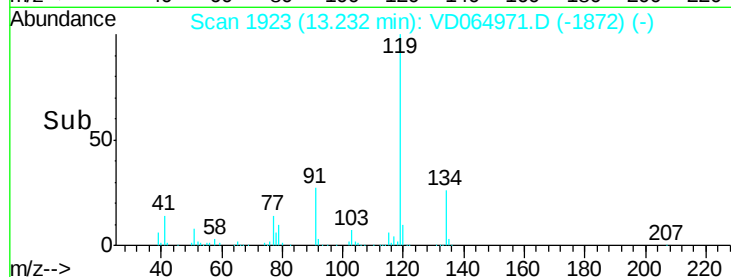
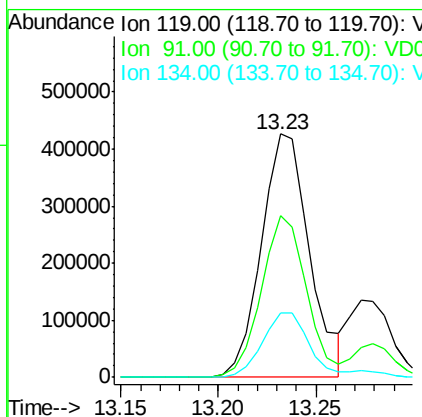
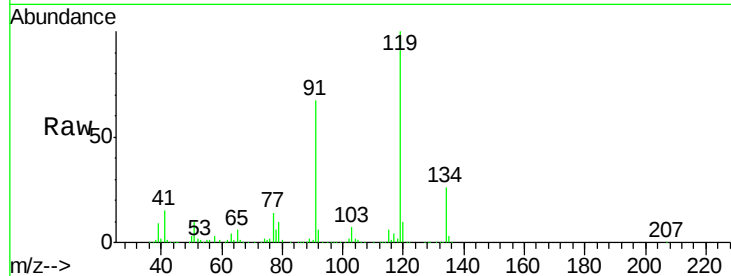
#83
tert-Butylbenzene
Concen: 51.344 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.4	32.0	96.0
134	27.5	13.9	41.6

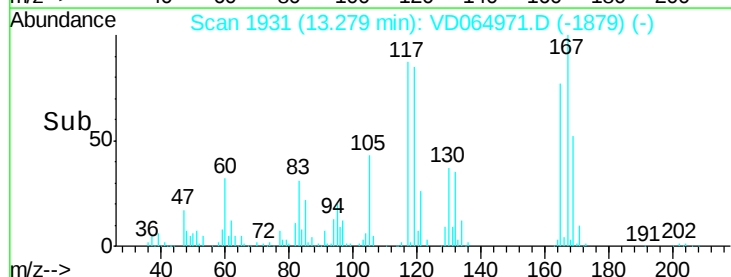
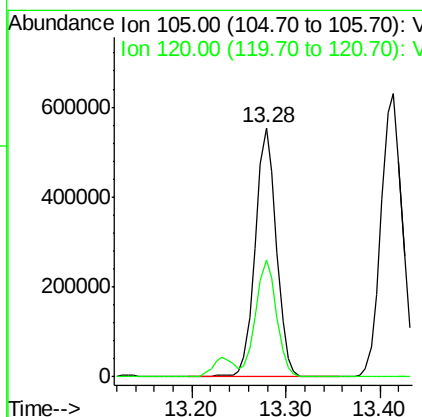
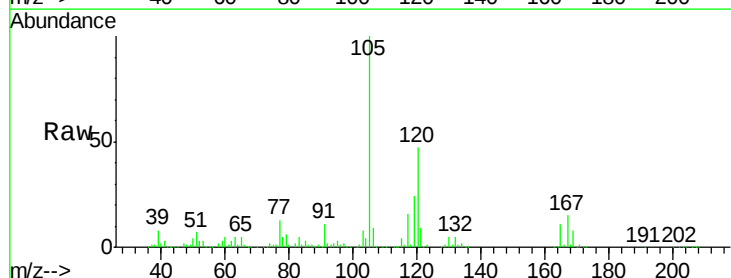
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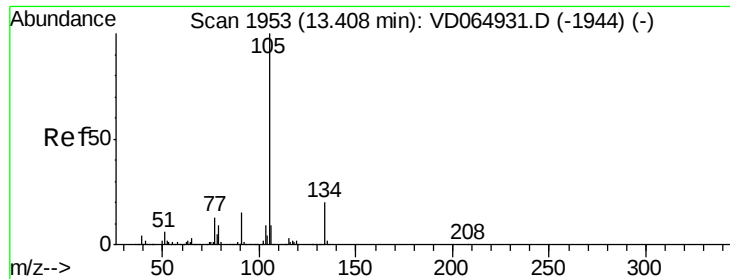
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#84
1,2,4-Trimethylbenzene
Concen: 50.677 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.1	69.3





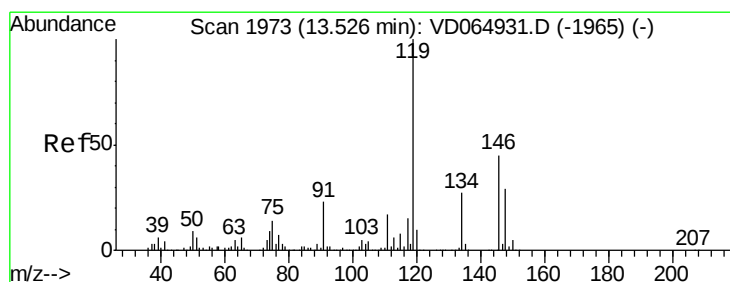
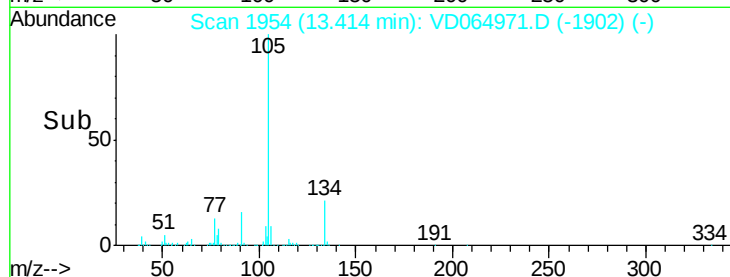
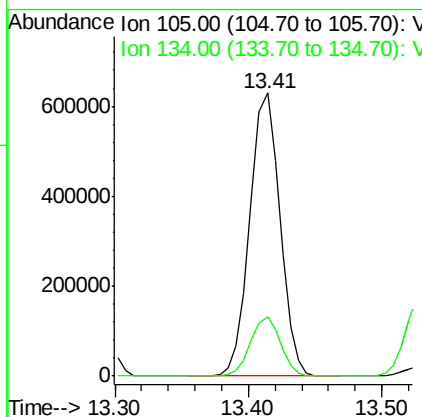
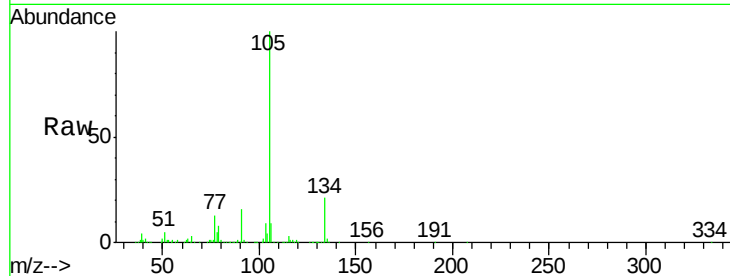
#85
 sec-Butylbenzene
 Concen: 49.009 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.4	31.4

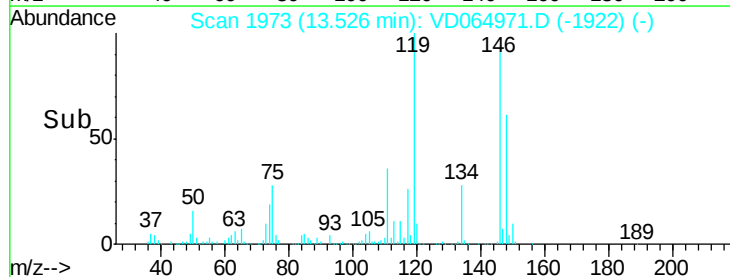
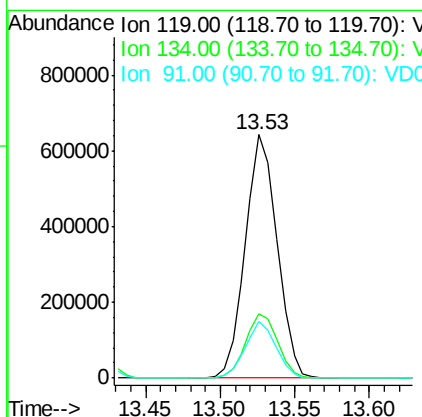
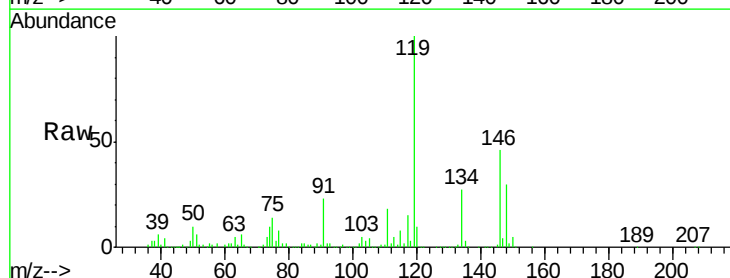
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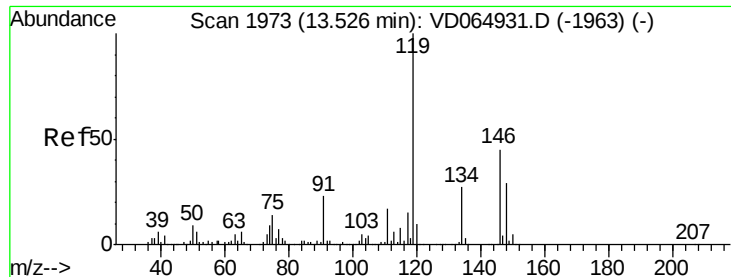
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#86
 p-Isopropyltoluene
 Concen: 50.264 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.3	39.9
91	22.3	11.4	34.2





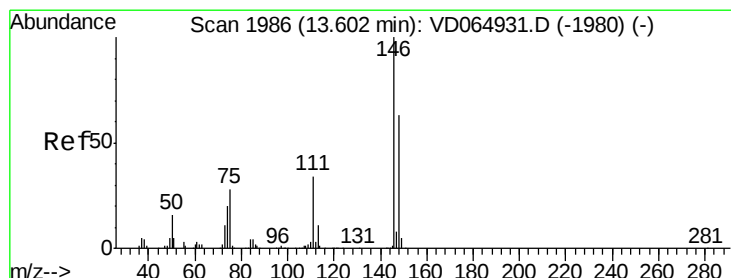
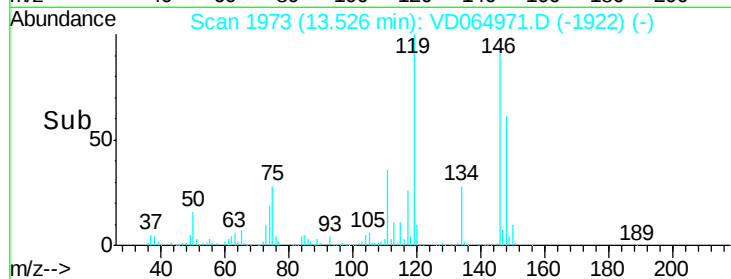
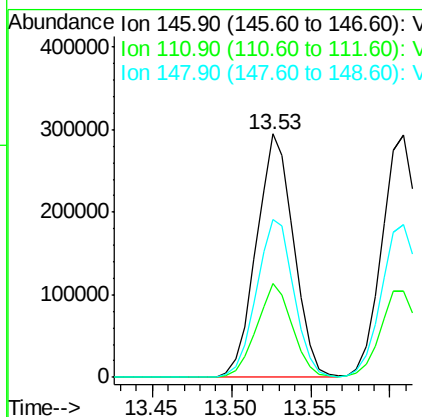
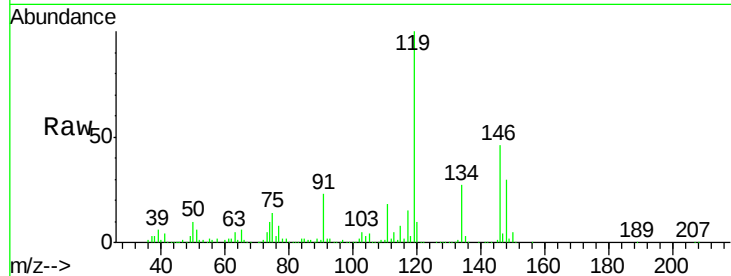
#87
 1,3-Dichlorobenzene
 Concen: 50.263 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.9	56.9
148	64.9	32.6	97.7

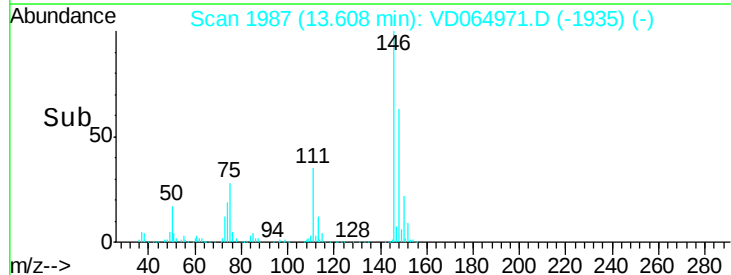
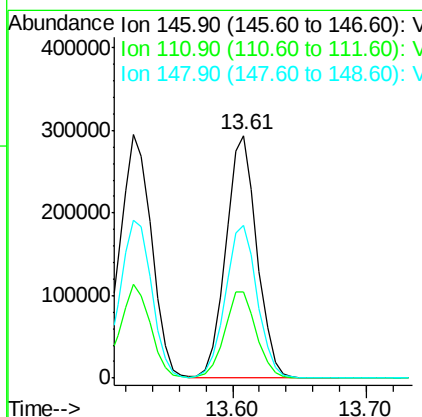
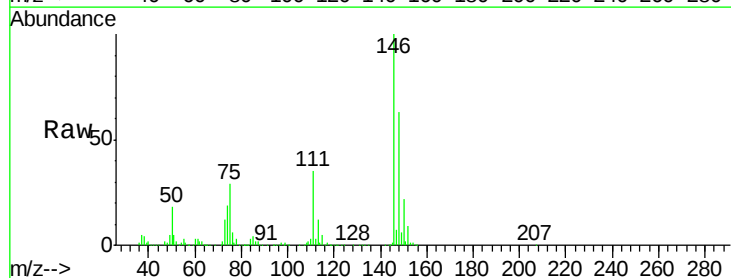
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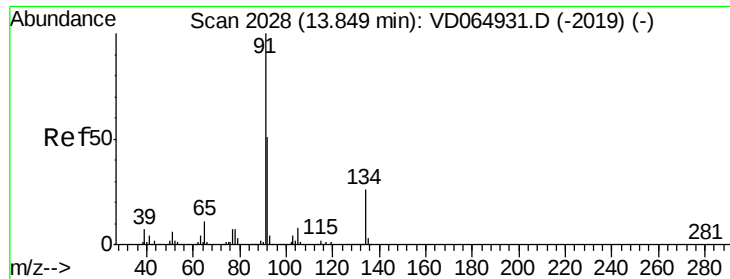
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#88
 1,4-Dichlorobenzene
 Concen: 50.092 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.2	54.6
148	64.6	32.0	96.0





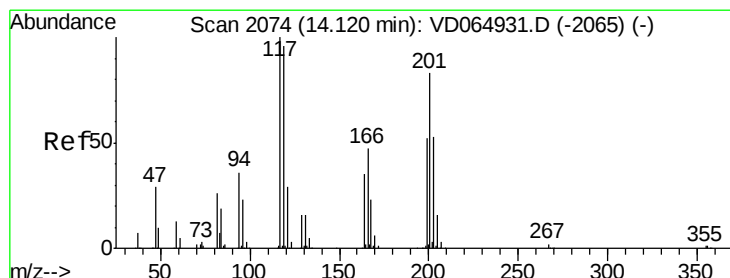
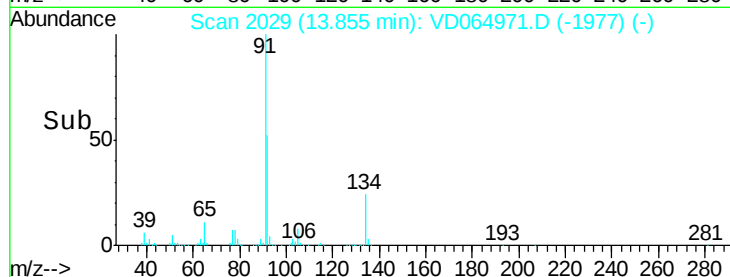
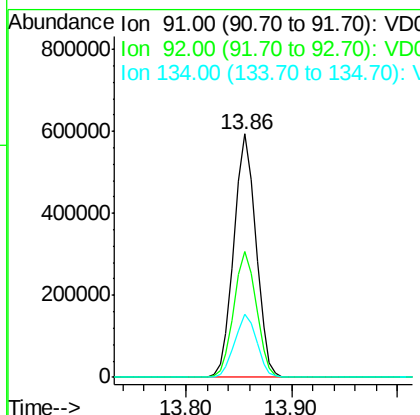
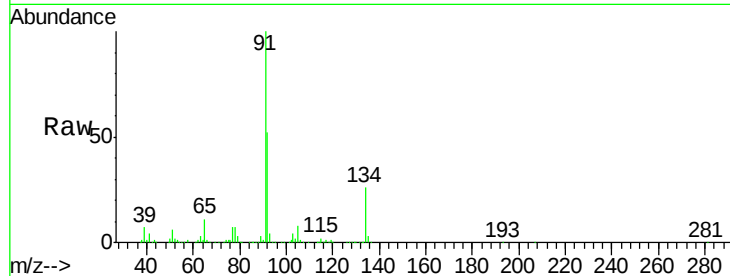
#89
n-Butylbenzene
Concen: 49.933 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.0
134	26.2	13.3	39.9

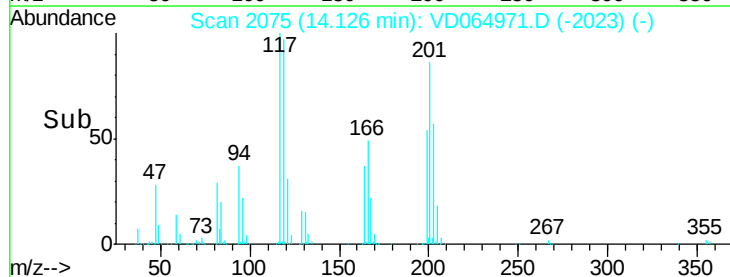
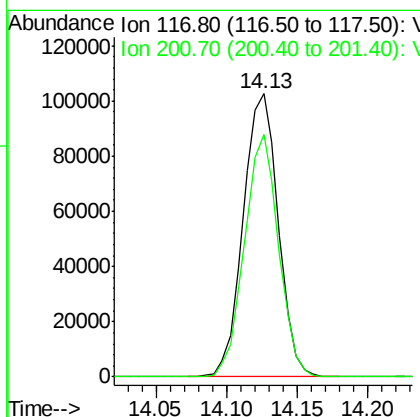
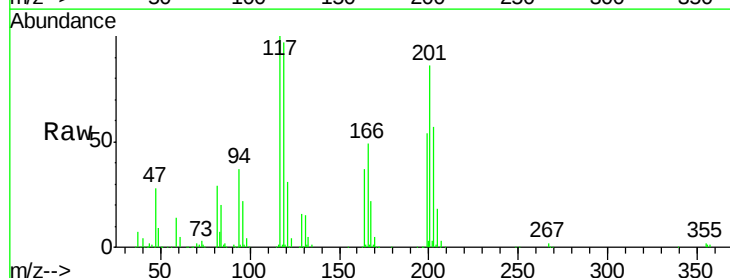
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#90
Hexachloroethane
Concen: 49.249 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD064971.D
Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.5	41.1	123.3





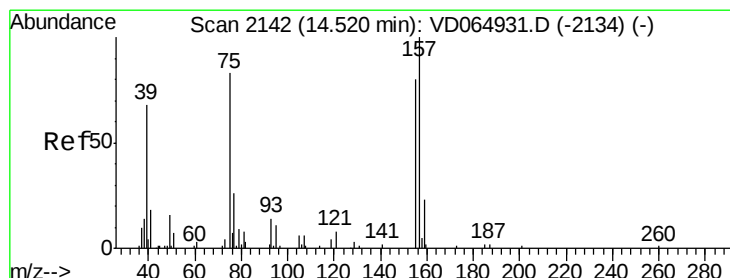
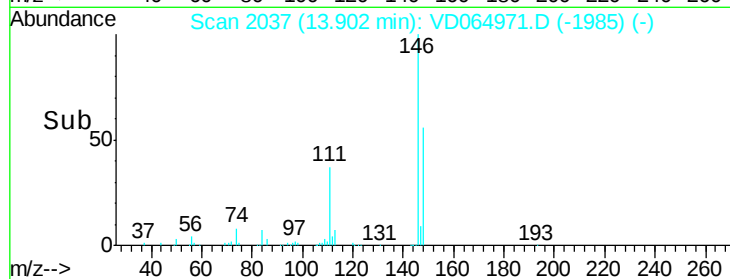
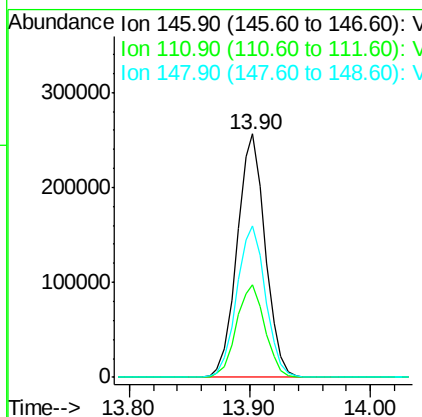
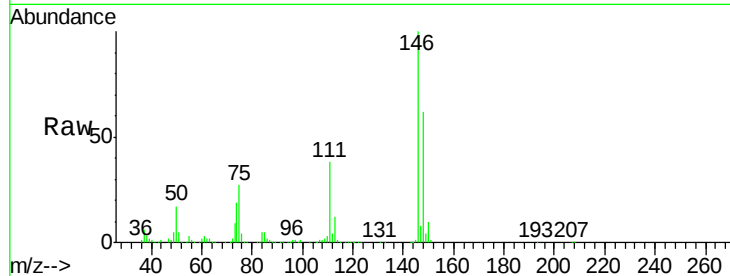
#91
 1,2-Dichlorobenzene
 Concen: 51.154 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	63.6	31.6	95.0

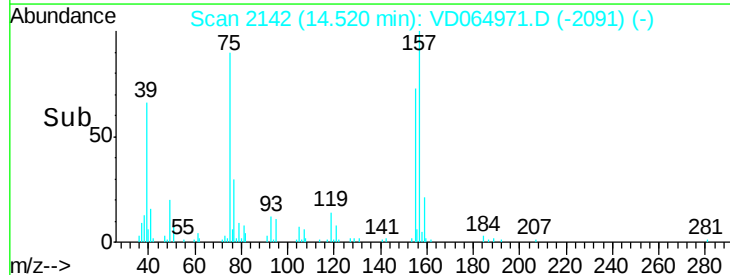
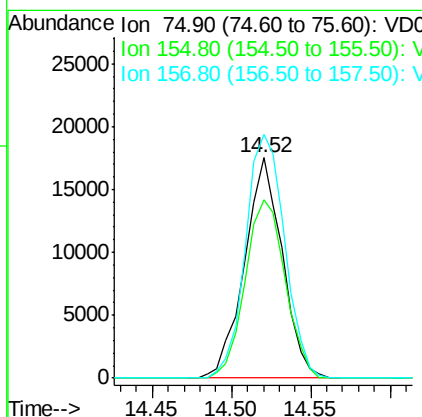
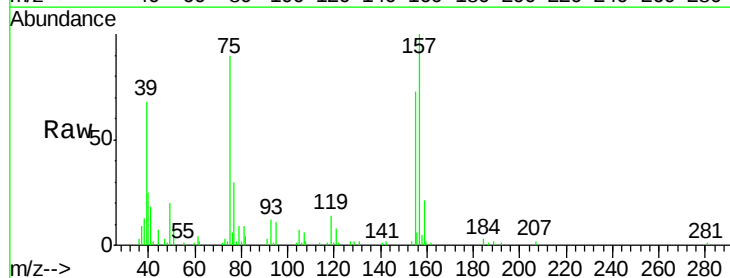
Manual Integrations
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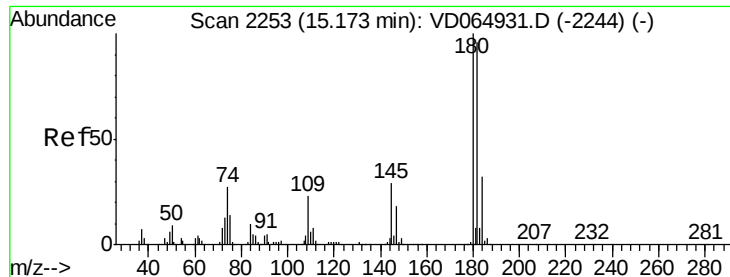
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.936 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.4	44.9	134.7
157	114.5	58.9	176.6





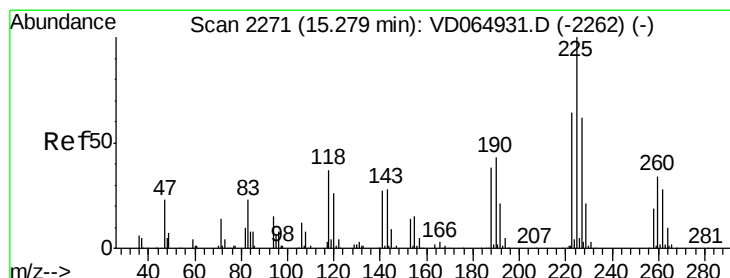
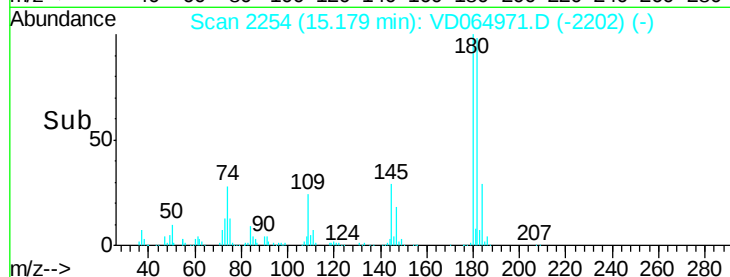
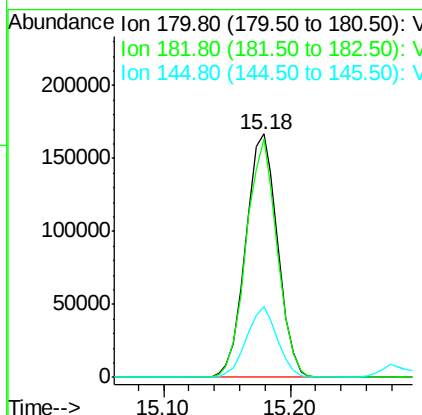
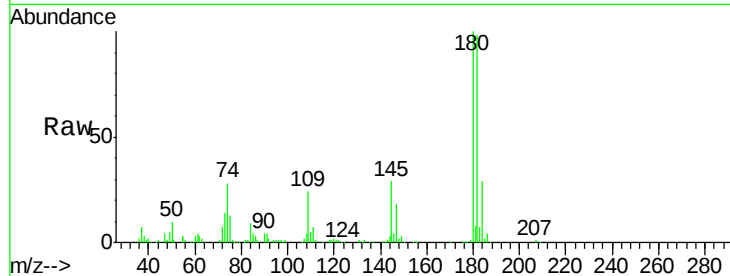
#93
 1,2,4-Trichlorobenzene
 Concen: 51.870 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	291695		
182	94.9	47.1	141.4	
145	28.1	14.1	42.3	

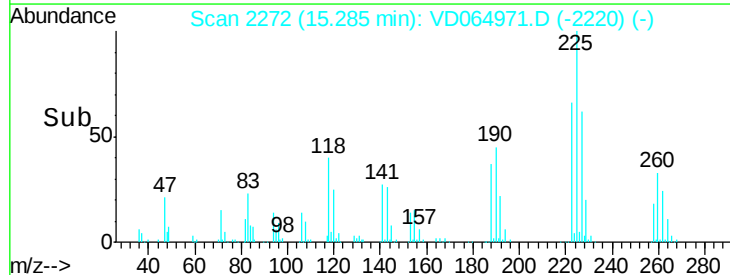
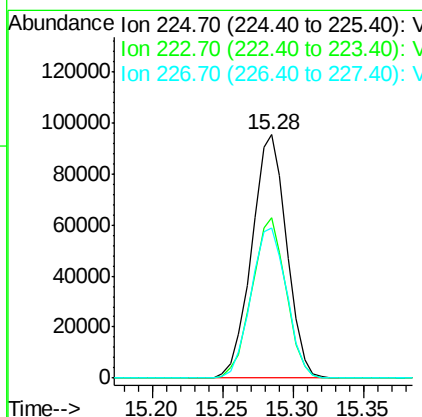
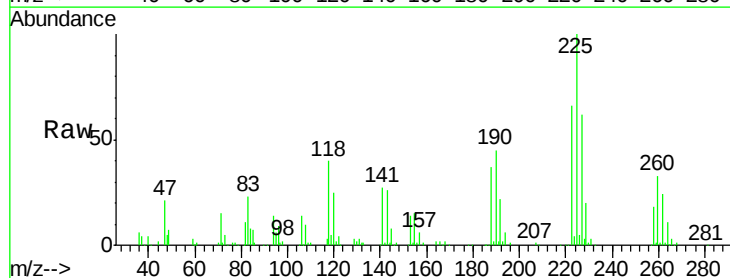
Manual Integrations
 APPROVED

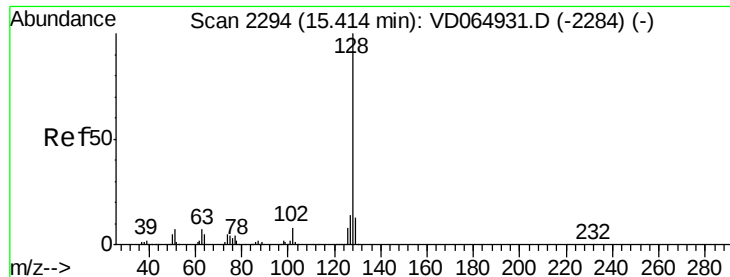
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#94
 Hexachlorobutadiene
 Concen: 46.563 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064971.D
 Acq: 27 Jan 2020 18:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	165626		
223	64.2	32.4	97.2	
227	63.0	31.9	95.9	





#95

Naphthalene

Concen: 54.312 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Instrument :

MSVOA_D

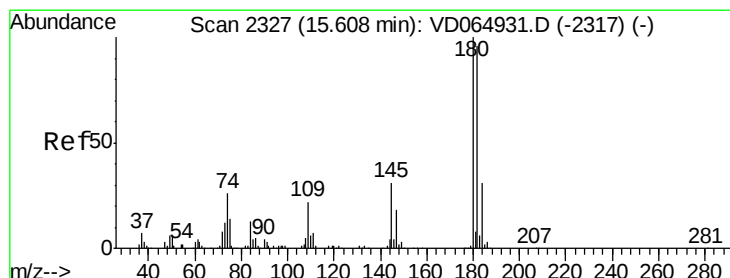
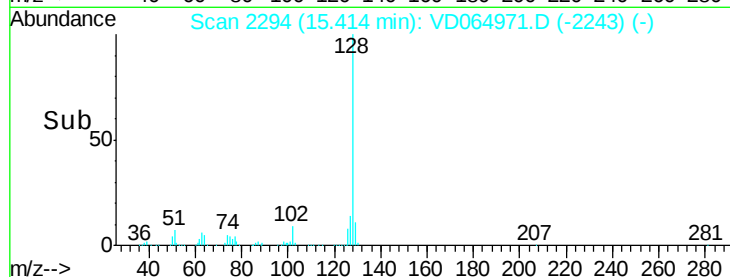
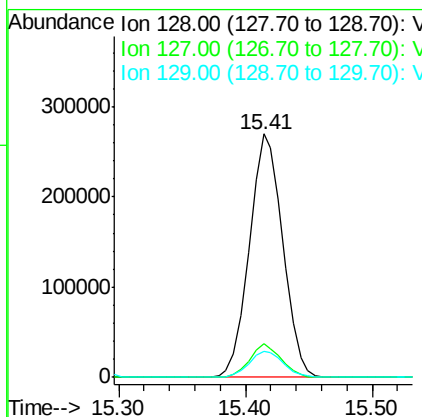
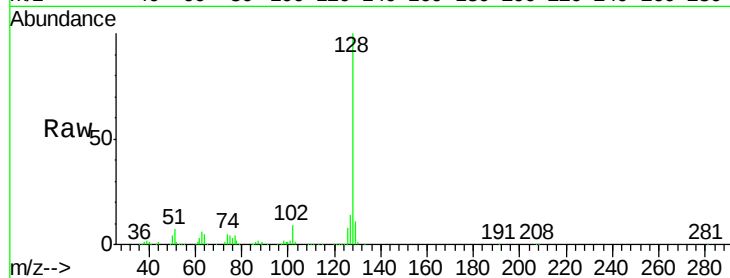
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	492927
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.6	15.8
129	10.9	9.3	13.9

Manual Integrations
APPROVED

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#96

1,2,3-Trichlorobenzene

Concen: 51.543 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064971.D

Acq: 27 Jan 2020 18:48

Tgt Ion:	180	Resp:	251322
Ion Ratio	Lower	Upper	
180	100		
182	94.6	47.3	141.8
145	29.1	14.6	43.8

