

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA_D\DATA\VD102919\
 Data File : VD064084.D
 Acq On : 29 Oct 2019 12:42
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 10/30/2019 10:58:04 AM

Quant Time: Oct 30 07:45:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 07:33:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	210832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	321122	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	300133	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	153801	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	18459	11.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.02%	
35) Dibromofluoromethane	7.92	113	20424	10.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.68%	
50) Toluene-d8	10.34	98	77973	9.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.74%	
62) 4-Bromofluorobenzene	12.64	95	25000	9.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	24659	11.454	ug/l	94
3) Chloromethane	2.21	50	39502	10.997	ug/l	99
4) Vinyl Chloride	2.35	62	41501	10.654	ug/l	99
5) Bromomethane	2.77	94	26195	10.319	ug/l	83
6) Chloroethane	2.93	64	26952	11.140	ug/l	92
7) Trichlorofluoromethane	3.27	101	55406	10.333	ug/l #	83
8) Diethyl Ether	3.70	74	10750	11.534	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	20394	10.554	ug/l	97
10) Methyl Iodide	4.30	142	22782	9.516	ug/l	99
11) Tert butyl alcohol	5.25	59	5180	36.649	ug/l #	71
12) 1,1-Dichloroethene	4.07	96	19807	10.830	ug/l #	84
13) Acrolein	3.93	56	4839	45.261	ug/l	86
14) Allyl chloride	4.71	41	21925	10.243	ug/l	95
15) Acrylonitrile	5.43	53	16927	49.165	ug/l #	95
16) Acetone	4.17	43	14667	45.973	ug/l	89
17) Carbon Disulfide	4.40	76	57137	10.166	ug/l	95
18) Methyl Acetate	4.72	43	8061	9.499	ug/l #	87
19) Methyl tert-butyl Ether	5.49	73	37037	9.980	ug/l	100
20) Methylene Chloride	4.96	84	25471	11.174	ug/l	88
21) trans-1,2-Dichloroethene	5.46	96	21190	10.321	ug/l	90
22) Diisopropyl ether	6.37	45	45494	9.597	ug/l #	97
23) Vinyl Acetate	6.31	43	131473	49.545	ug/l	93
24) 1,1-Dichloroethane	6.27	63	31557	9.858	ug/l #	96
25) 2-Butanone	7.23	43	21613	49.003	ug/l	96
26) 2,2-Dichloropropane	7.21	77	31809	10.469	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	22366	9.736	ug/l	99
28) Bromochloromethane	7.55	49	9264	7.933	ug/l #	96
29) Tetrahydrofuran	7.57	42	12452	48.375	ug/l #	92
30) Chloroform	7.72	83	39448	10.769	ug/l	95
31) Cyclohexane	7.98	56	33615	10.778	ug/l #	88
32) 1,1,1-Trichloroethane	7.91	97	34916	10.240	ug/l	98
36) 1,1-Dichloropropene	8.12	75	28773	9.562	ug/l	97
37) Ethyl Acetate	7.30	43	8210	8.864	ug/l #	94
38) Carbon Tetrachloride	8.10	117	32475	9.892	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	35629	9.646	ug/l	93
40) Benzene	8.35	78	77681	9.467	ug/l	100
41) Methacrylonitrile	7.53	41	4351m	6.923	ug/l	
42) 1,2-Dichloroethane	8.43	62	20955	9.668	ug/l	88
43) Isopropyl Acetate	8.46	43	18343	9.800	ug/l #	59
44) Trichloroethene	9.11	130	24831	9.984	ug/l	96
45) 1,2-Dichloropropane	9.38	63	19129	10.059	ug/l	98
46) Dibromomethane	9.47	93	11792	10.296	ug/l	90
47) Bromodichloromethane	9.66	83	28556	9.883	ug/l #	84
48) Methyl methacrylate	9.46	41	7506	8.672	ug/l #	85
49) 1,4-Dioxane	9.46	88	2427	185.131	ug/l #	88
51) 4-Methyl-2-Pentanone	10.24	43	47080	46.203	ug/l	99
52) Toluene	10.40	92	55435	9.640	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	24554	9.104	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	29048	9.154	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	15969	9.835	ug/l	96
56) Ethyl methacrylate	10.67	69	14552	8.253	ug/l	92
57) 1,3-Dichloropropane	10.95	76	25439	9.473	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	31208	43.870	ug/l	98
59) 2-Hexanone	10.98	43	32276	44.445	ug/l	97
60) Dibromochloromethane	11.14	129	22001	9.983	ug/l	99
61) 1,2-Dibromoethane	11.25	107	15976	9.837	ug/l	98
64) Tetrachloroethene	10.88	164	21710	10.069	ug/l	88
65) Chlorobenzene	11.67	112	60687	9.786	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.75	131	23462	10.111	ug/l	98
67) Ethyl Benzene	11.75	91	107022	9.703	ug/l	91
68) m/p-Xylenes	11.85	106	85093	19.180	ug/l	98
69) o-Xylene	12.18	106	38687	9.555	ug/l	97
70) Styrene	12.20	104	66605	9.538	ug/l	96
71) Bromoform	12.37	173	12474	10.066	ug/l #	98
73) Isopropylbenzene	12.48	105	107370	10.046	ug/l	98
74) N-amyl acetate	12.30	43	16306	9.184	ug/l #	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	17721	10.519	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	9875m	5.175	ug/l	
77) Bromobenzene	12.77	156	27066	10.489	ug/l	98
78) n-propylbenzene	12.83	91	121983	9.739	ug/l	99
79) 2-Chlorotoluene	12.91	91	68078	10.140	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	86994	9.726	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	4327	8.551	ug/l #	79
82) 4-Chlorotoluene	13.01	91	71096	9.910	ug/l	99
83) tert-Butylbenzene	13.23	119	81944	10.200	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	87658	9.755	ug/l	97
85) sec-Butylbenzene	13.41	105	107602	9.753	ug/l	98
86) p-Isopropyltoluene	13.52	119	101712	9.812	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	51115	9.885	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	51405	10.084	ug/l	97
89) n-Butylbenzene	13.85	91	90650	9.481	ug/l	97
90) Hexachloroethane	14.12	117	18737	9.654	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	44886	10.086	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	2599	10.564	ug/l	92

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ClientSampleId :
VSTDICC010

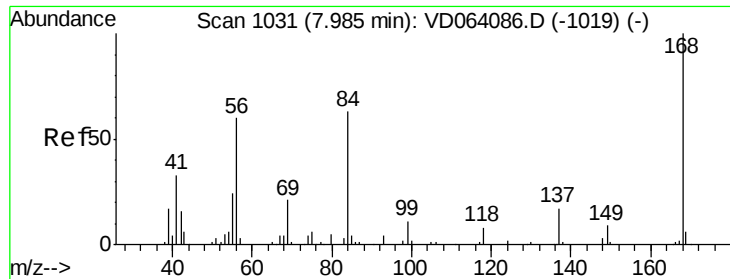
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	32851	10.269	ug/l	98
94) Hexachlorobutadiene	15.27	225	18795	10.053	ug/l	97
95) Naphthalene	15.40	128	50077	9.598	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	29435	10.623	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 168 Resp: 210832

Ion Ratio Lower Upper

168 100

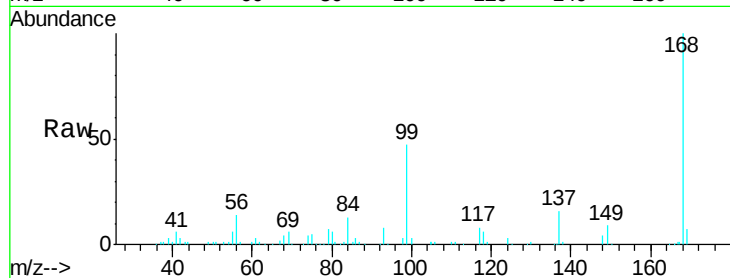
99 46.9 37.6 56.4

Manual Integrations

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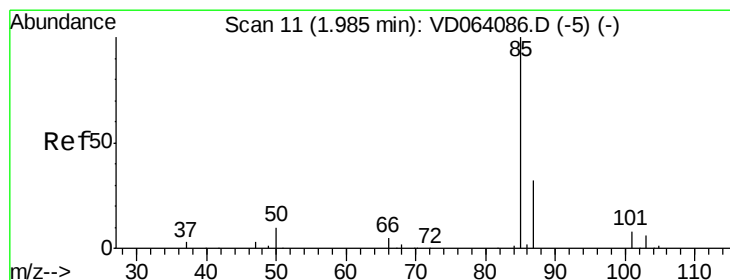
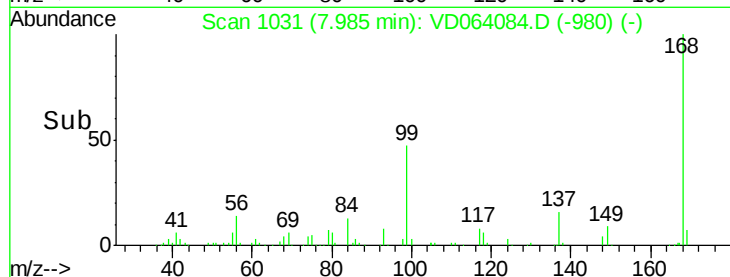
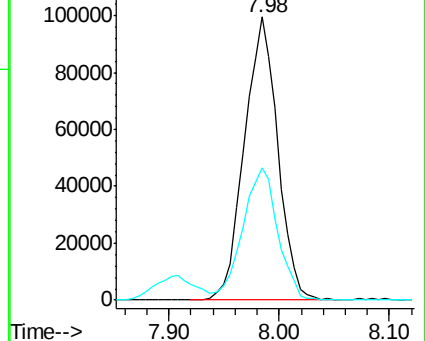
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 11.454 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064084.D

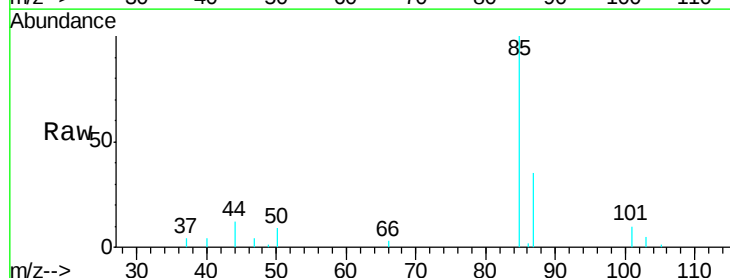
Acq: 29 Oct 2019 12:42

Tgt Ion: 85 Resp: 24659

Ion Ratio Lower Upper

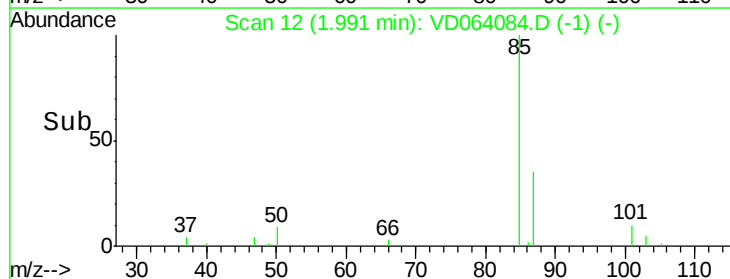
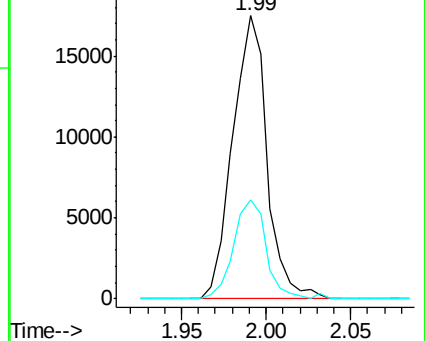
85 100

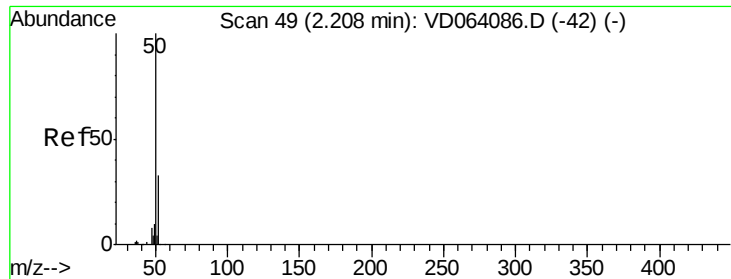
87 34.9 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 10.997 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 50 Resp: 39502

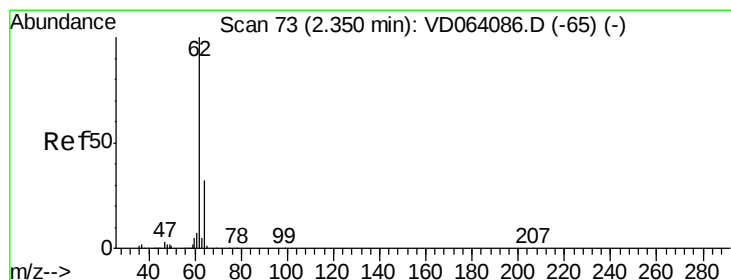
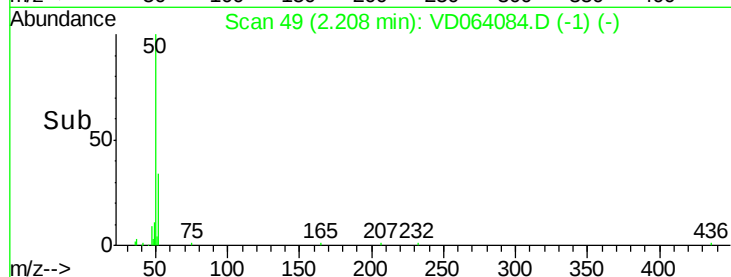
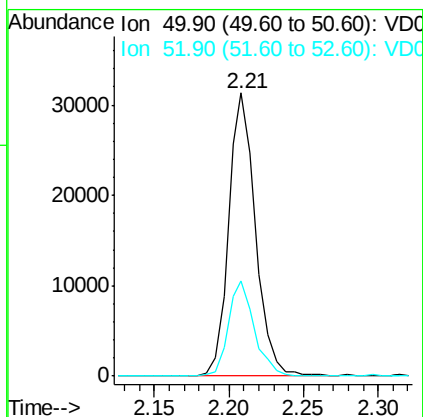
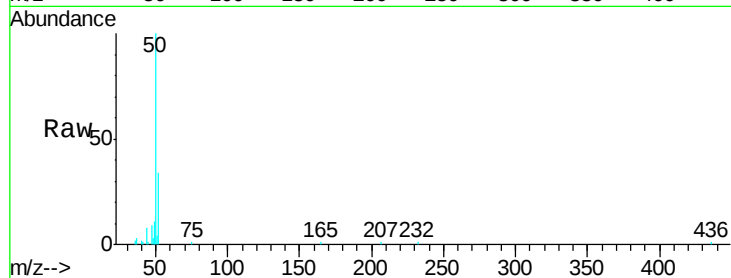
Ion Ratio Lower Upper

50 100

52 33.8 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 10.654 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064084.D

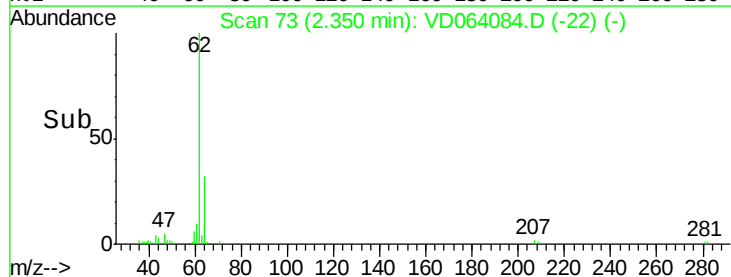
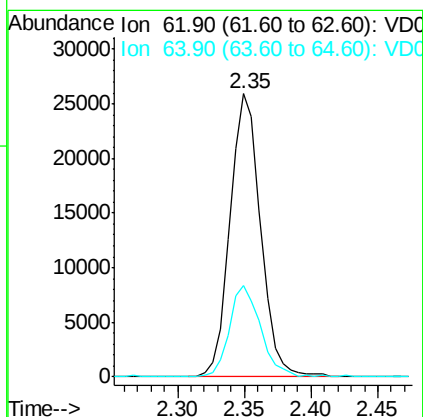
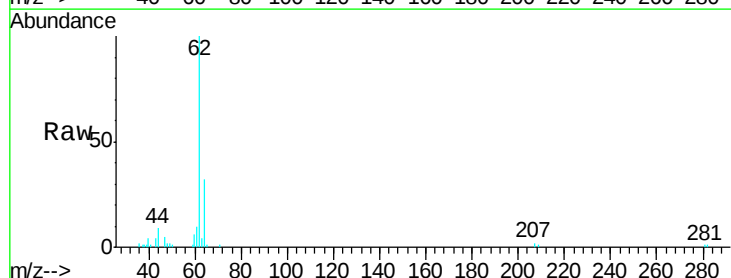
Acq: 29 Oct 2019 12:42

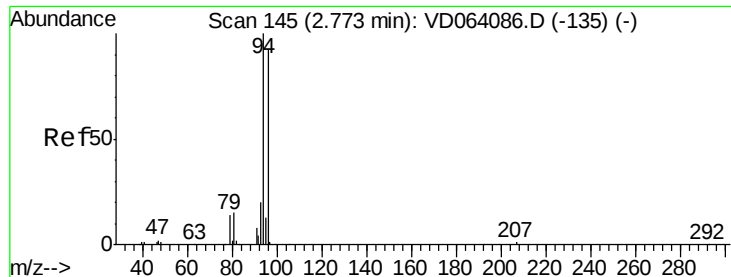
Tgt Ion: 62 Resp: 41501

Ion Ratio Lower Upper

62 100

64 32.4 25.6 38.4





#5

Bromomethane

Concen: 10.319 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 94 Resp: 26195

Ion Ratio Lower Upper

94 100

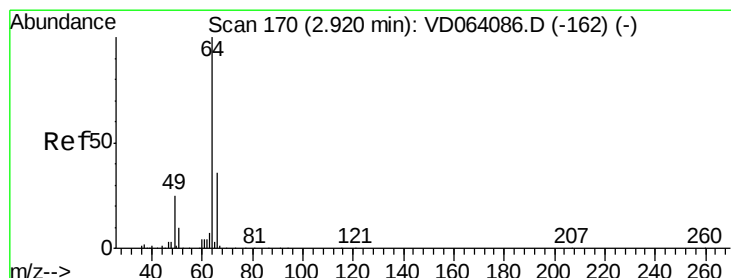
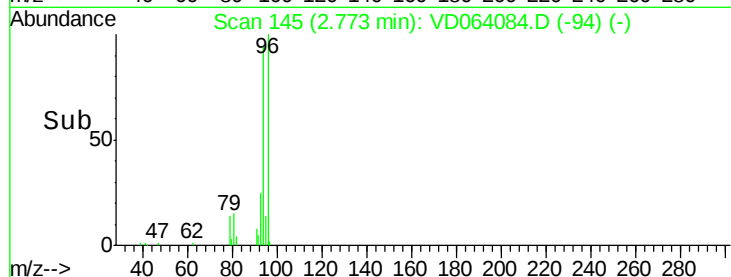
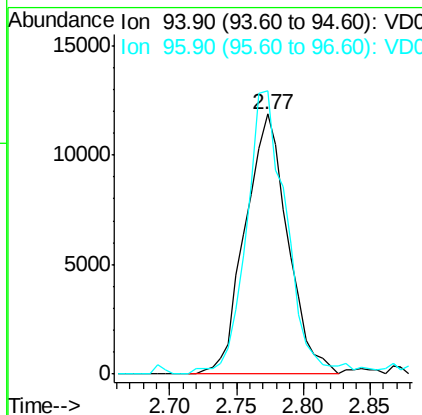
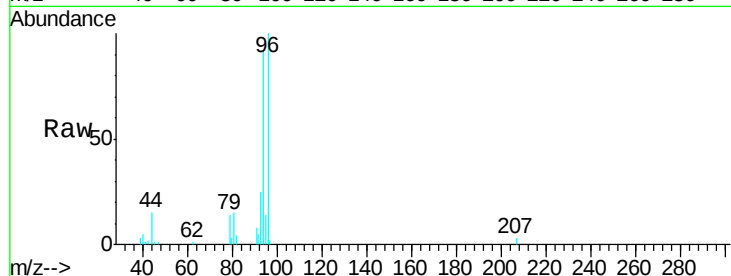
96 108.8 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 11.140 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064084.D

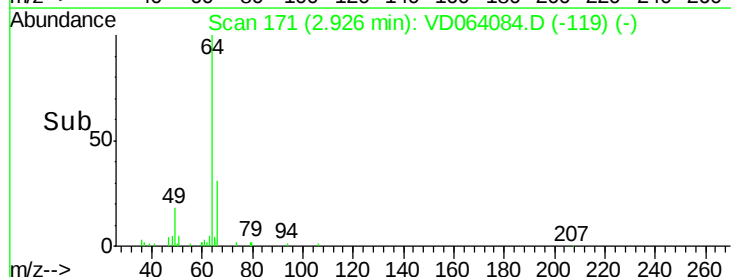
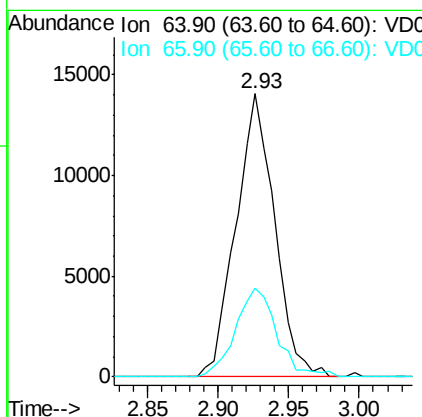
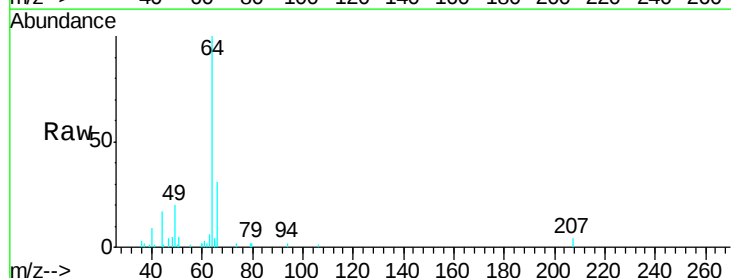
Acq: 29 Oct 2019 12:42

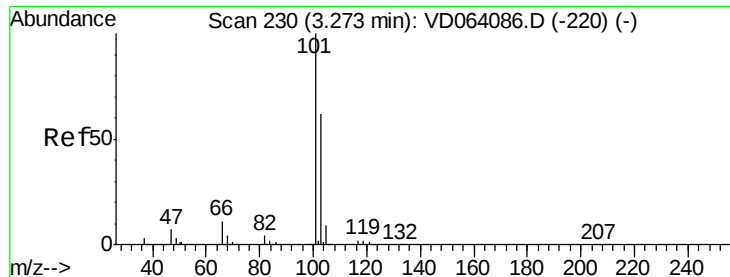
Tgt Ion: 64 Resp: 26952

Ion Ratio Lower Upper

64 100

66 31.3 28.7 43.1





#7

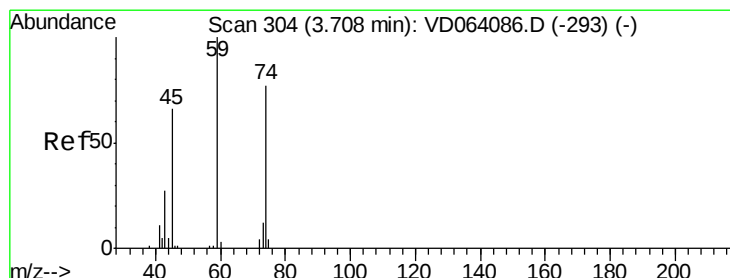
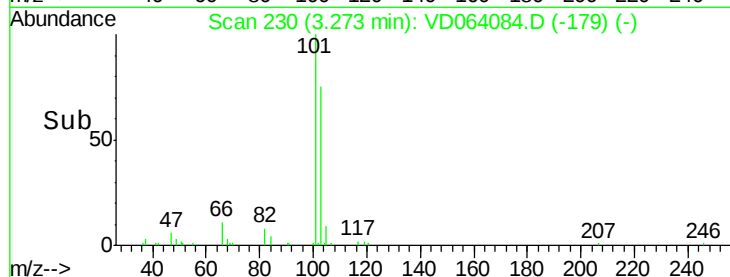
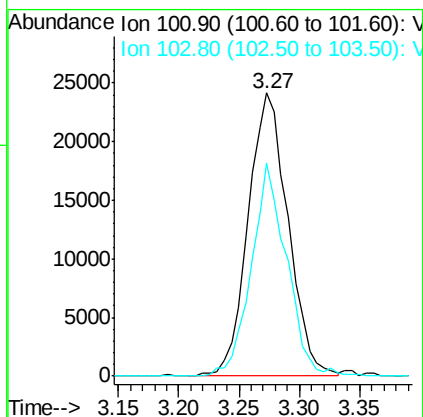
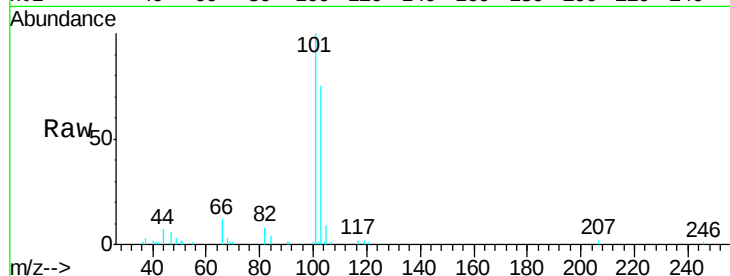
Trichlorofluoromethane
Concen: 10.333 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

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MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
101	100		
103	75.4	49.6	74.4#

Manual Integrations
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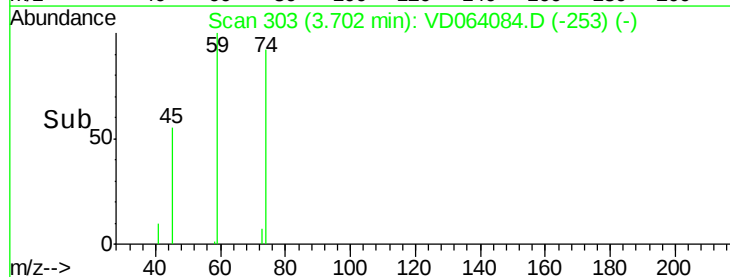
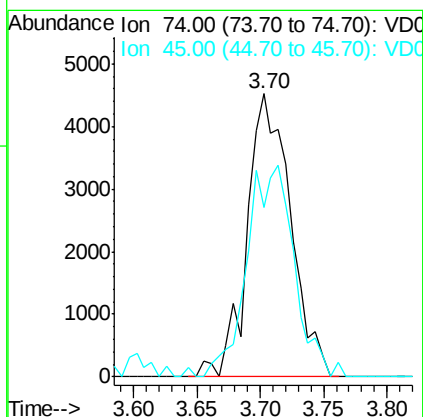
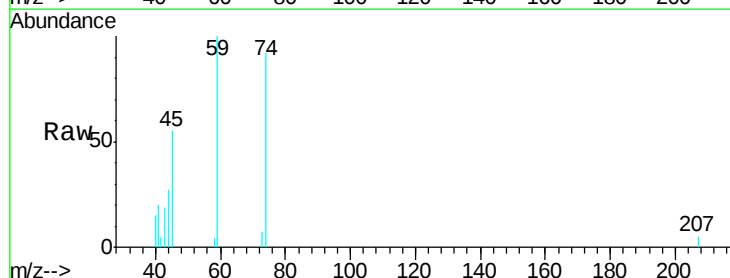
MMDadoda
10/30/2019 10:58:04 AM

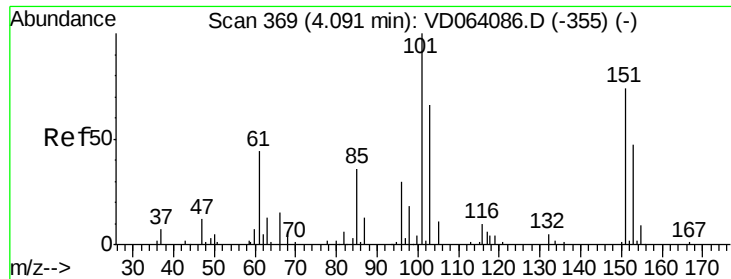


#8

Diethyl Ether
Concen: 11.534 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.3	44.1	132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.554 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

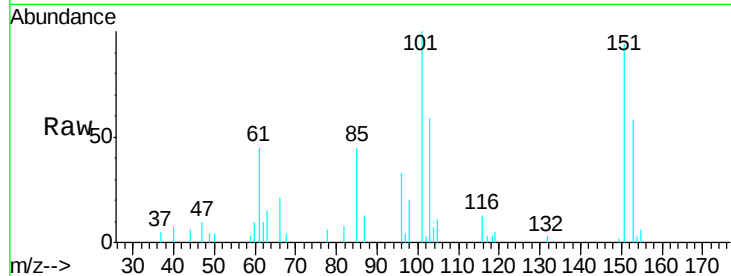
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VSTDIC010

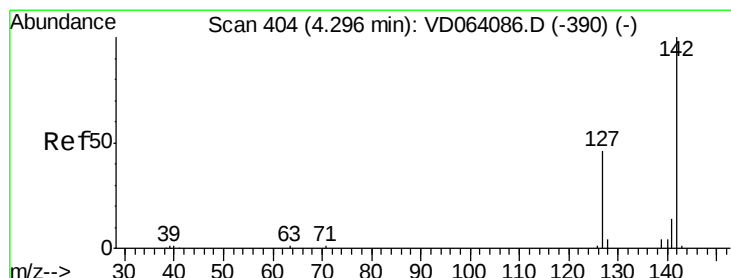
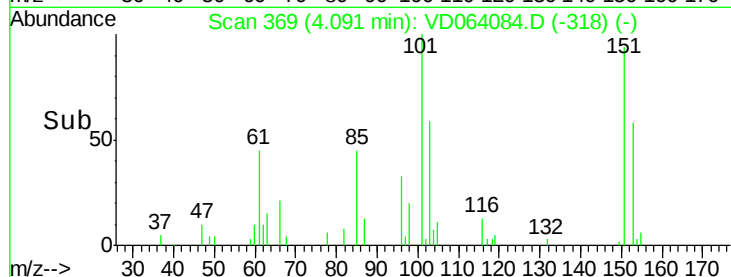
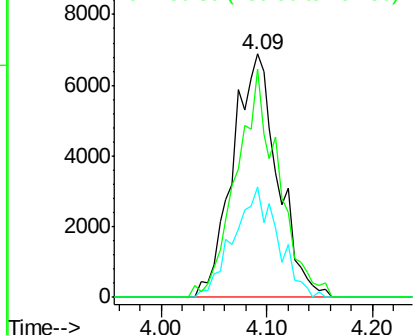
Tgt Ion:	101	Resp:	20394
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.3	52.9
151	87.1	67.0	100.6

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



#10

Methyl Iodide

Concen: 9.516 ug/l

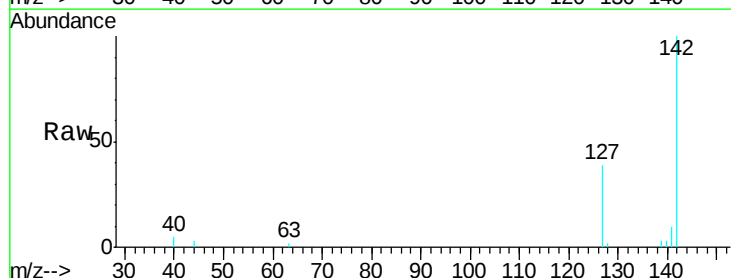
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

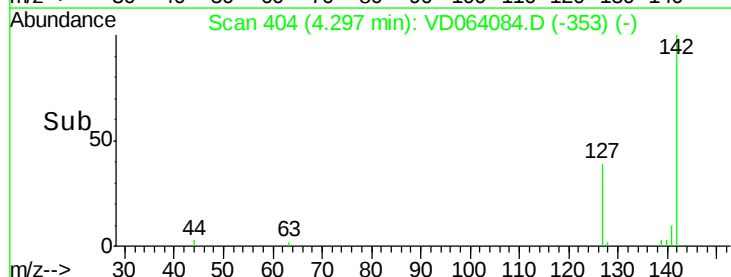
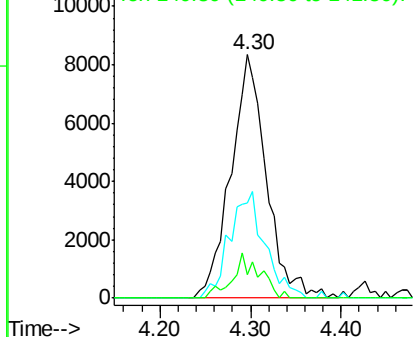
Lab File: VD064084.D

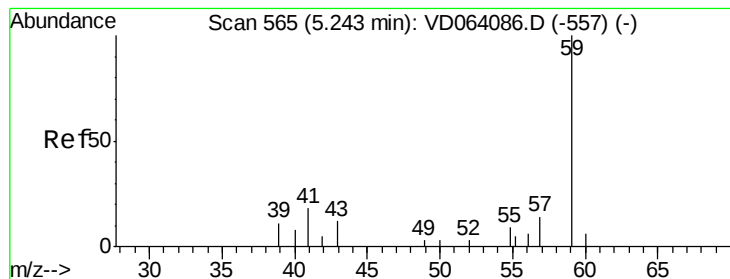
Acq: 29 Oct 2019 12:42

Tgt Ion:	142	Resp:	22782
Ion Ratio	Lower	Upper	
142	100		
127	43.5	35.1	52.7
141	14.1	11.6	17.4



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





#11

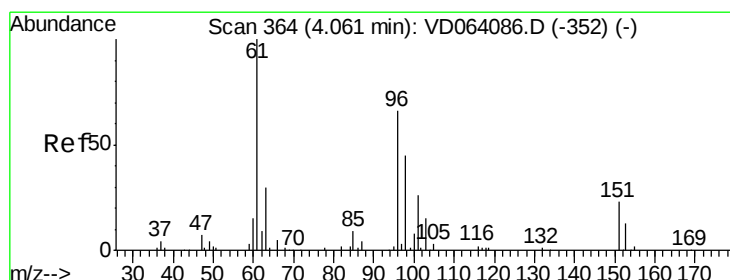
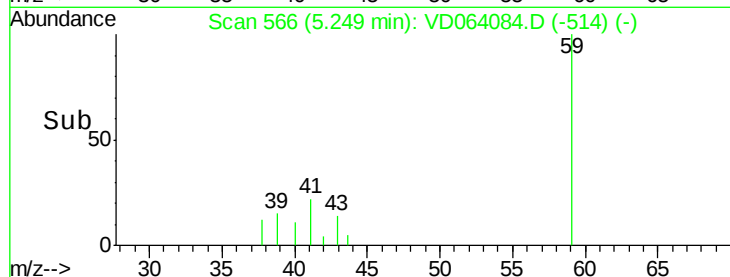
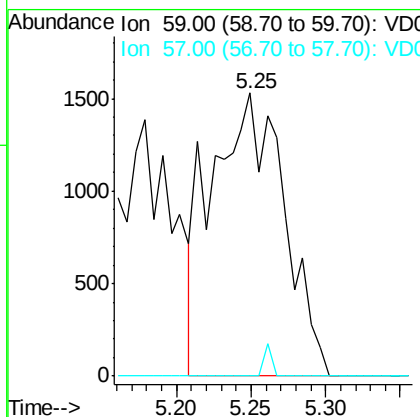
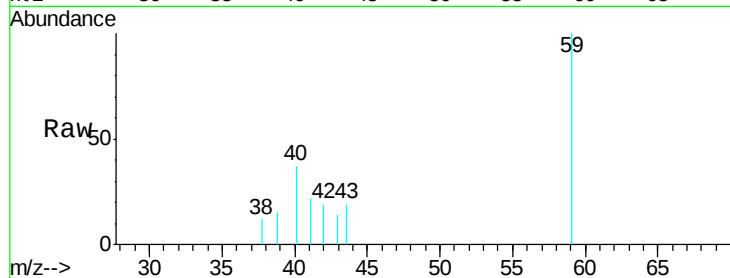
Tert butyl alcohol
 Concen: 36.649 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#

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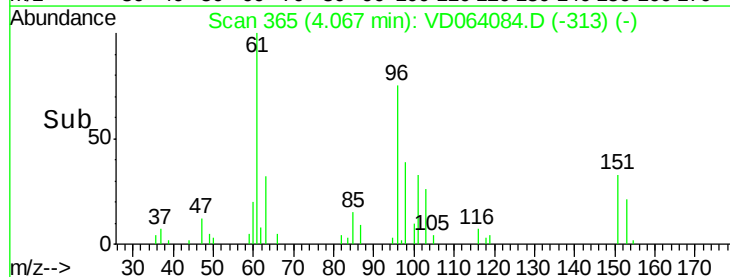
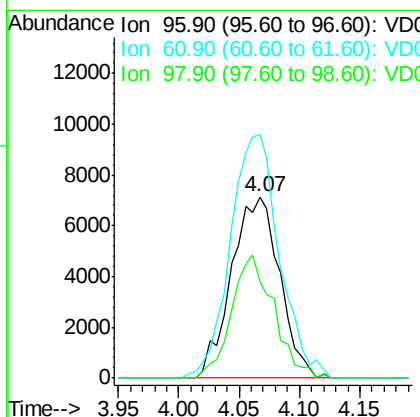
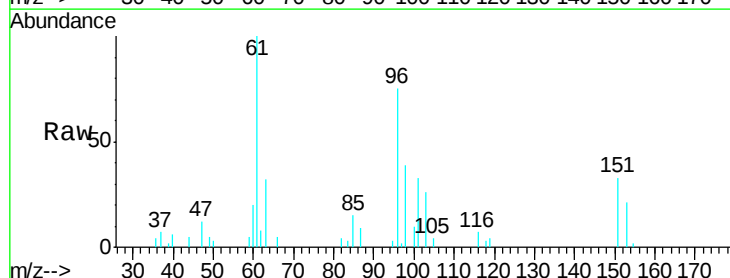
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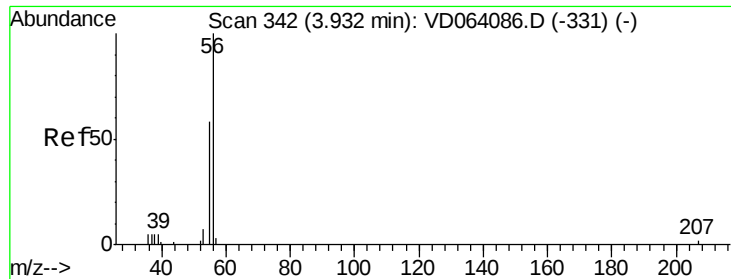


#12

1,1-Dichloroethene
 Concen: 10.830 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.01 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.2	121.8	182.6
98	52.8	55.4	83.0#





#13

Acrolein

Concen: 45.261 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 56 Resp: 4839

Ion Ratio Lower Upper

56 100

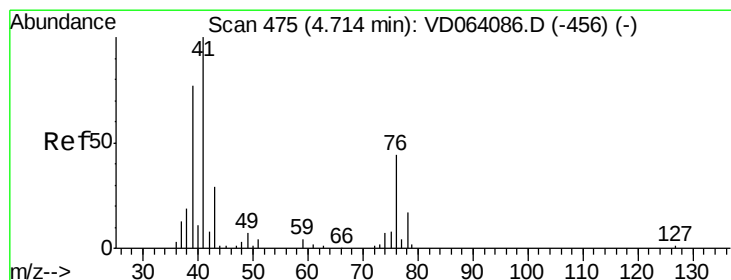
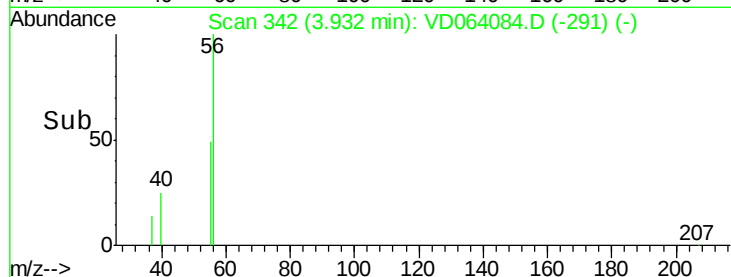
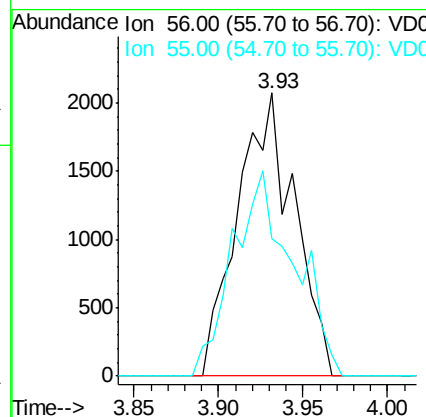
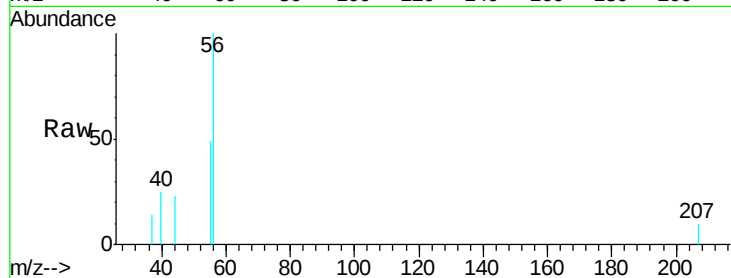
55 78.4 53.8 80.6

Manual Integrations

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#14

Allyl chloride

Concen: 10.243 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

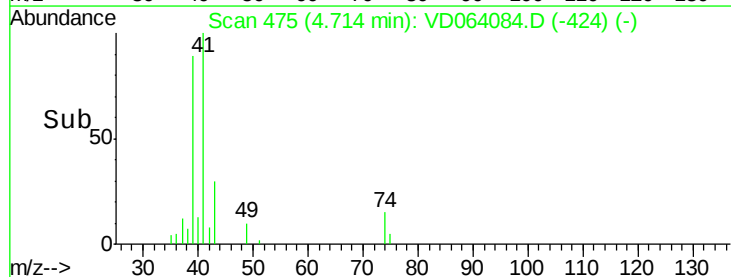
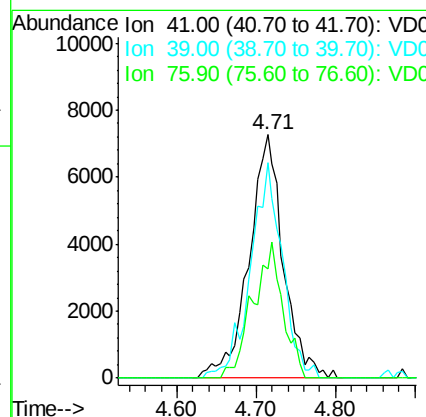
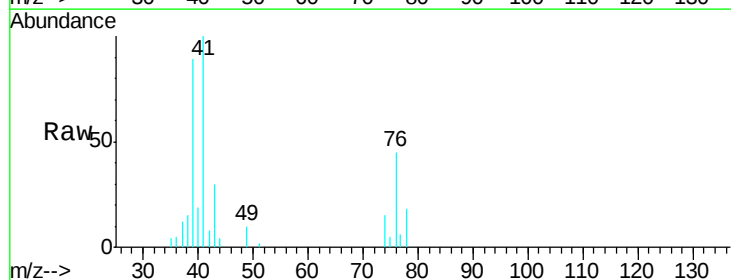
Tgt Ion: 41 Resp: 21925

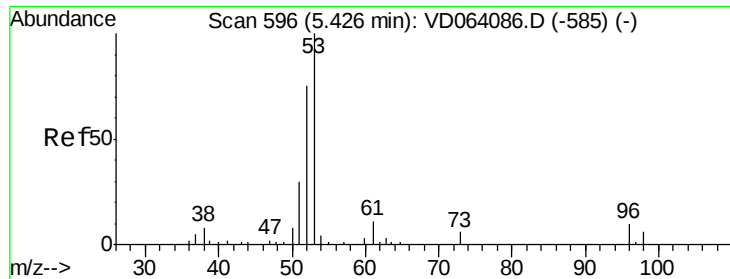
Ion Ratio Lower Upper

41 100

39 82.0 61.5 92.3

76 48.4 36.2 54.4





#15

Acrylonitrile

Concen: 49.165 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

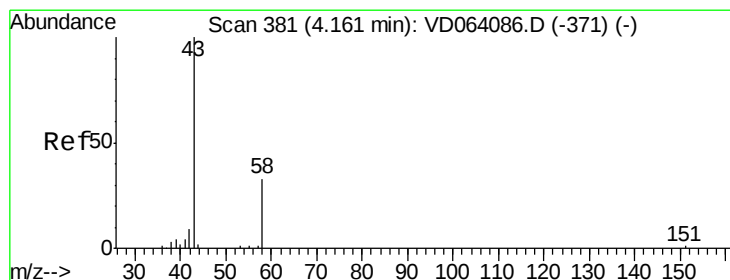
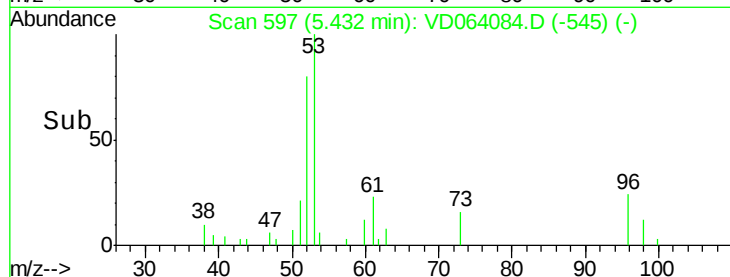
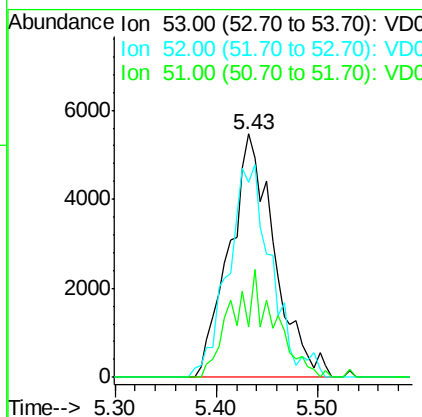
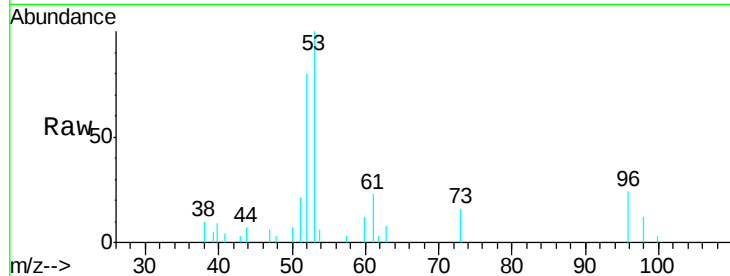
ClientSampleId :

VSTDIC010

Tgt Ion:	53	Resp:	16927
Ion	Ratio	Lower	Upper
53	100		
52	80.8	66.2	99.4
51	29.0	29.0	43.6#

Manual Integrations
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#16

Acetone

Concen: 45.973 ug/l

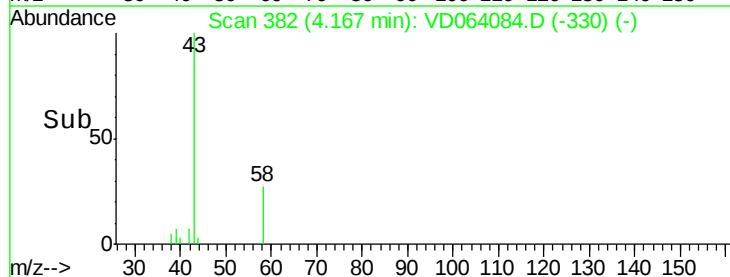
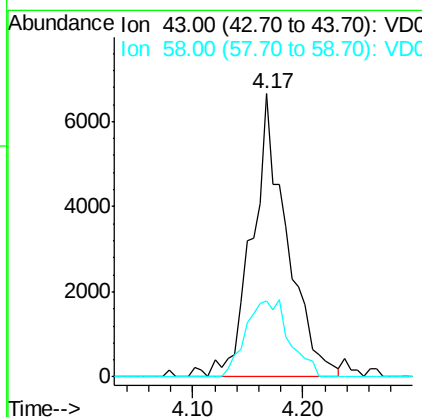
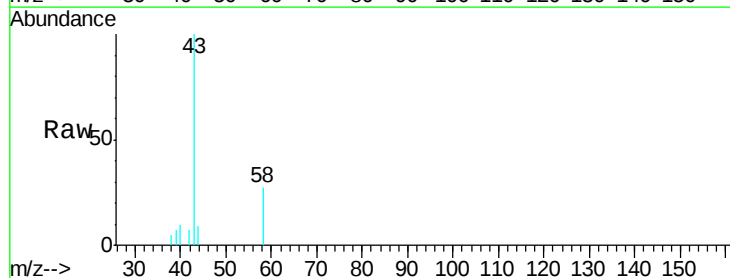
RT: 4.17 min Scan# 382

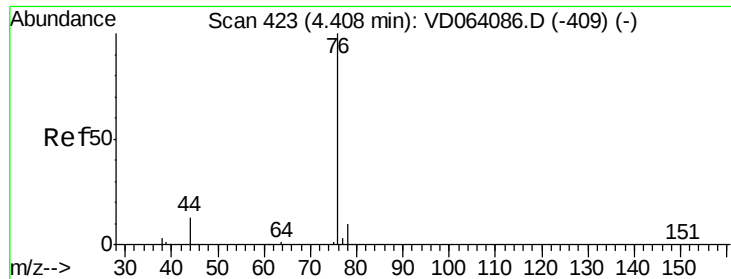
Delta R.T. 0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Tgt Ion:	43	Resp:	14667
Ion	Ratio	Lower	Upper
43	100		
58	26.9	26.3	39.5





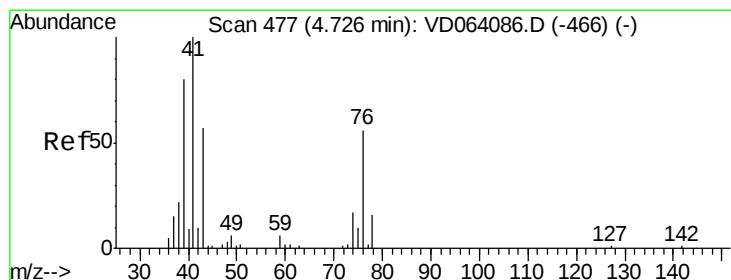
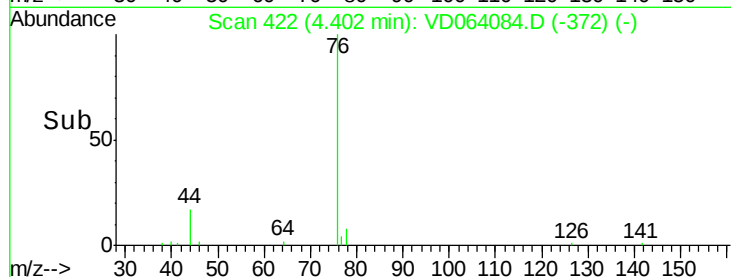
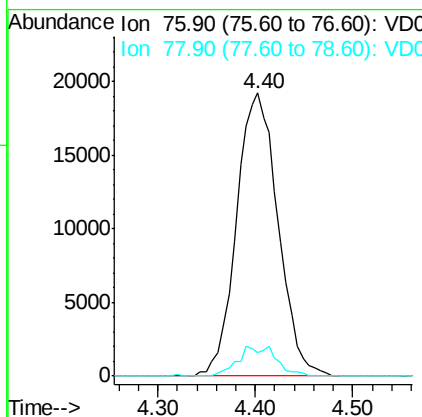
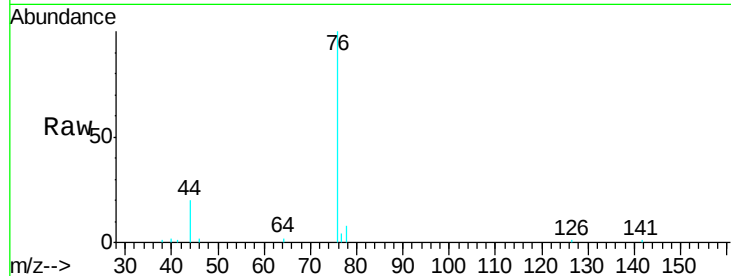
#17
Carbon Disulfide
Concen: 10.166 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 76 Resp: 57137
Ion Ratio Lower Upper
76 100
78 8.3 8.1 12.1

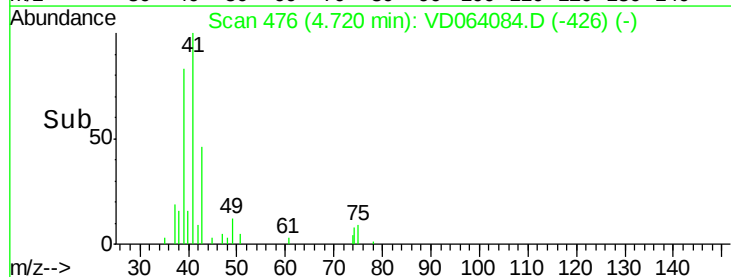
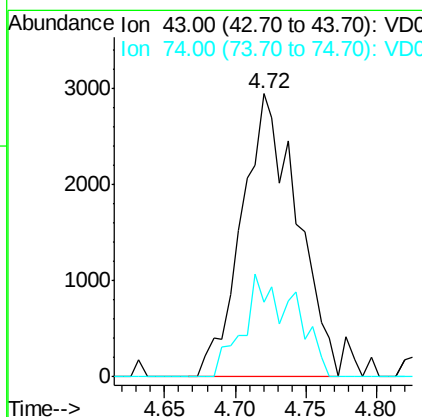
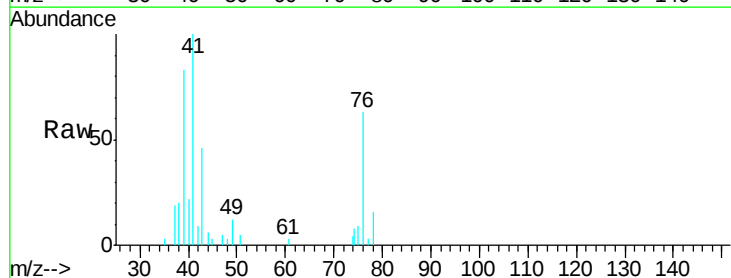
Manual Integrations
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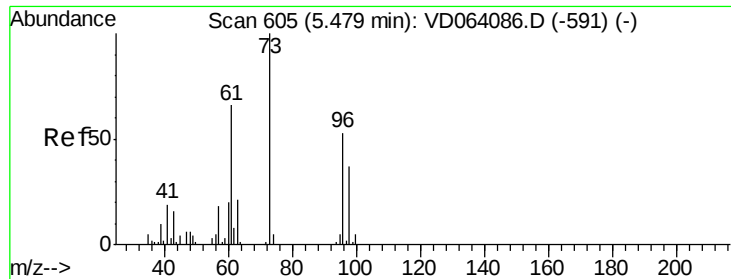
MMDadoda
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#18
Methyl Acetate
Concen: 9.499 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion: 43 Resp: 8061
Ion Ratio Lower Upper
43 100
74 21.1 22.2 33.4#





#19

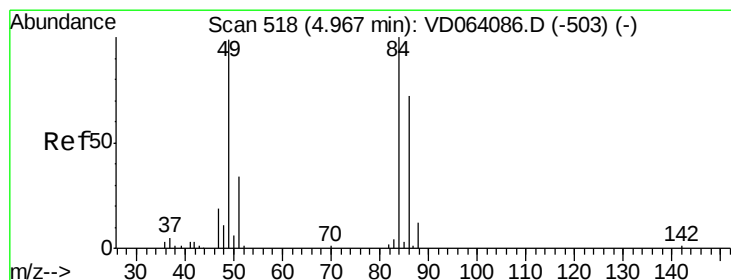
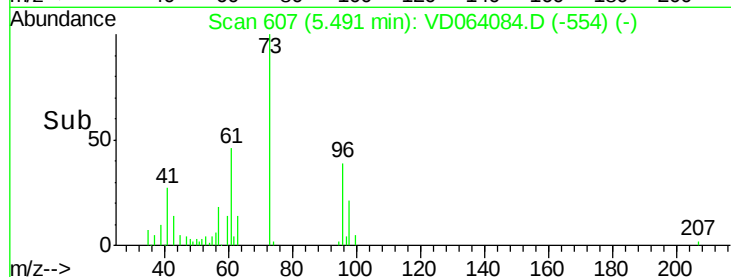
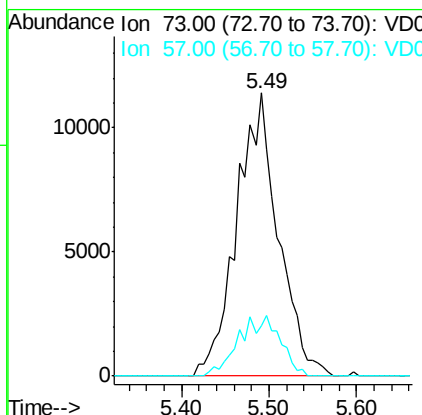
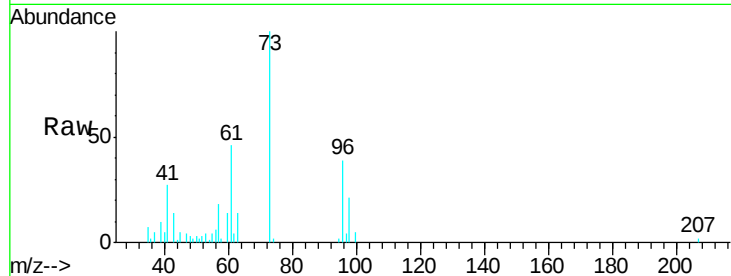
Methyl tert-butyl Ether
 Concen: 9.980 ug/l
 RT: 5.49 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC010

Tgt Ion: 73 Resp: 37037
 Ion Ratio Lower Upper
 73 100
 57 17.8 14.3 21.5

Manual Integrations
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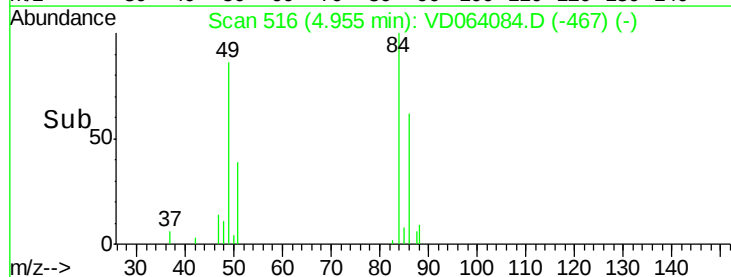
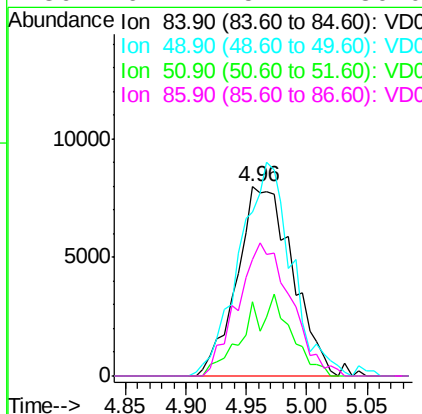
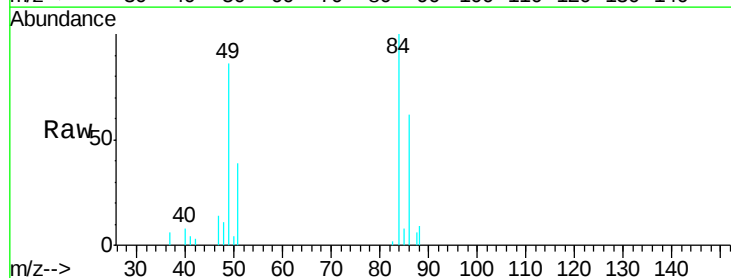
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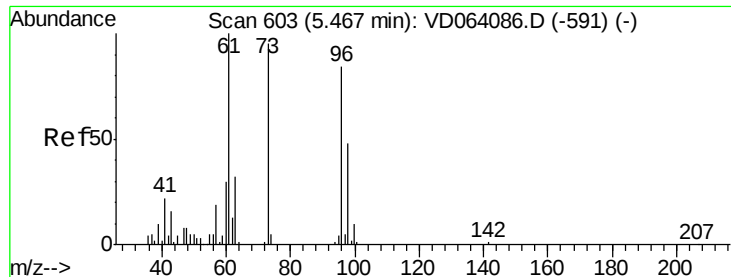


#20

Methylene Chloride
 Concen: 11.174 ug/l
 RT: 4.96 min Scan# 516
 Delta R.T. -0.01 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion: 84 Resp: 25471
 Ion Ratio Lower Upper
 84 100
 49 86.3 79.4 119.0
 51 39.2 27.4 41.2
 86 61.7 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 10.321 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

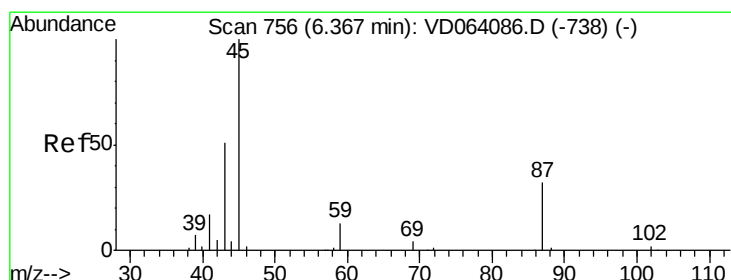
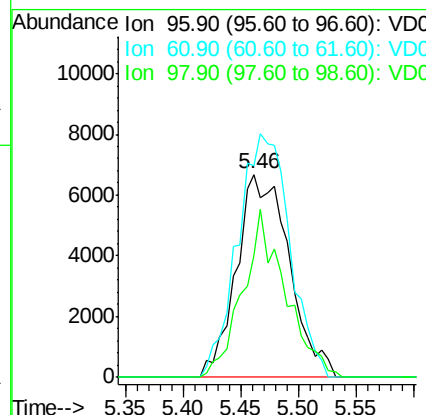
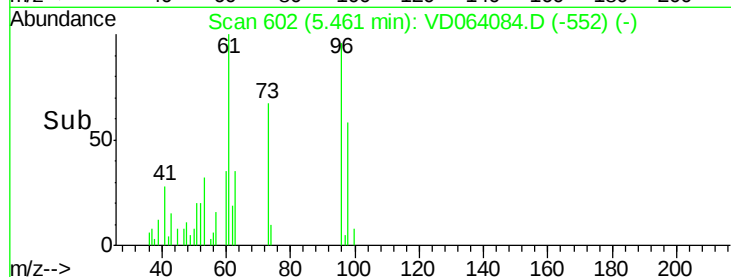
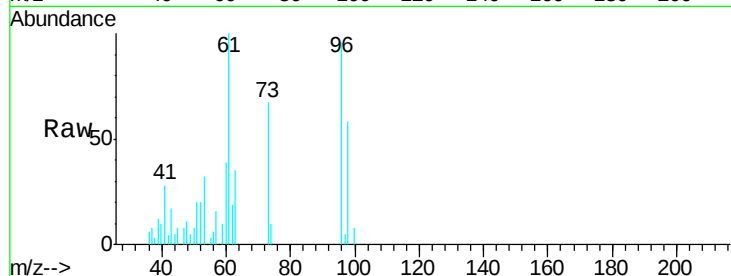
ClientSampleId :

VSTDIC010

Tgt Ion:	96	Resp:	21190
Ion	Ratio	Lower	Upper
96	100		
61	104.3	95.0	142.6
98	60.3	45.8	68.8

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#22

Diisopropyl ether

Concen: 9.597 ug/l

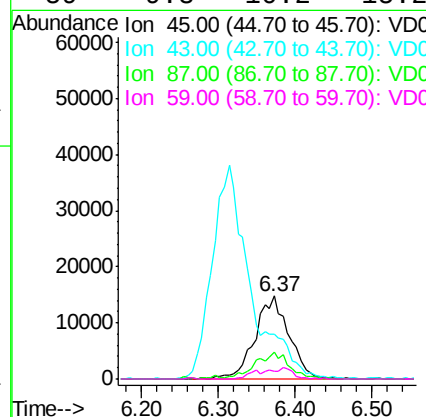
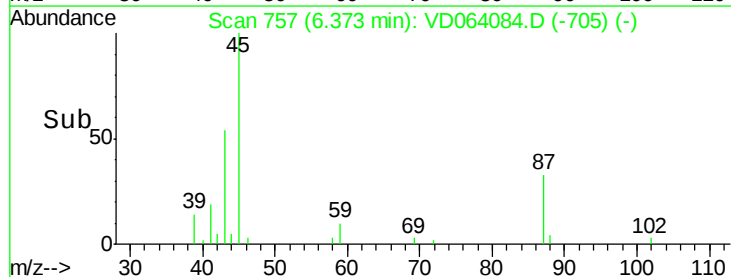
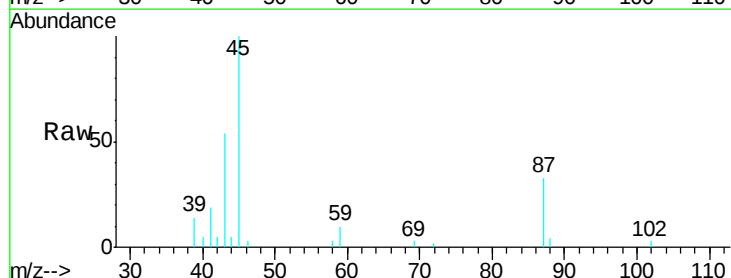
RT: 6.37 min Scan# 757

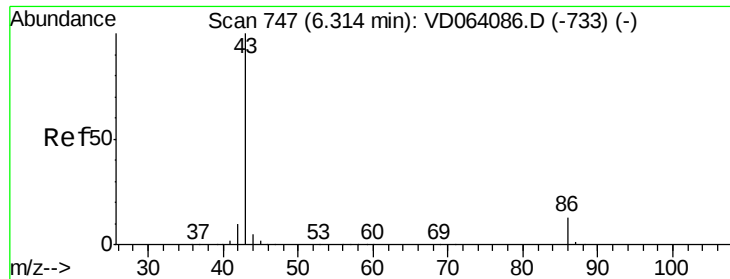
Delta R.T. 0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Tgt Ion:	45	Resp:	45494
Ion	Ratio	Lower	Upper
45	100		
43	52.7	44.3	66.5
87	33.2	26.6	39.8
59	9.8	10.2	15.2#





#23

Vinyl Acetate

Concen: 49.545 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 131473

Ion Ratio Lower Upper

43 100

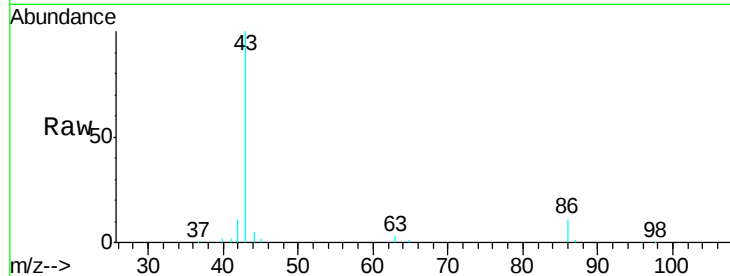
86 10.7 10.7 16.1

Manual Integrations

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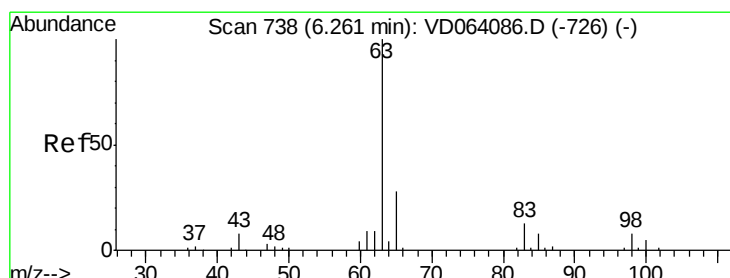
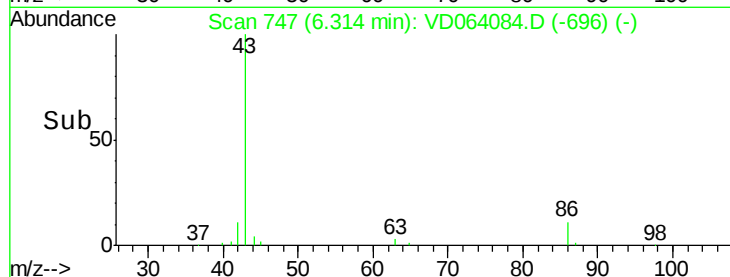
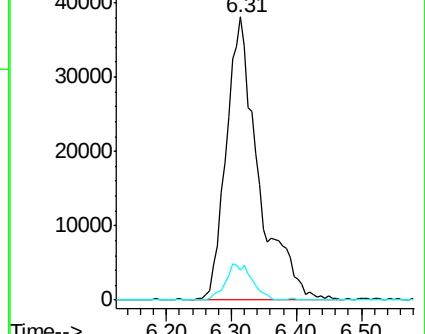
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 9.858 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

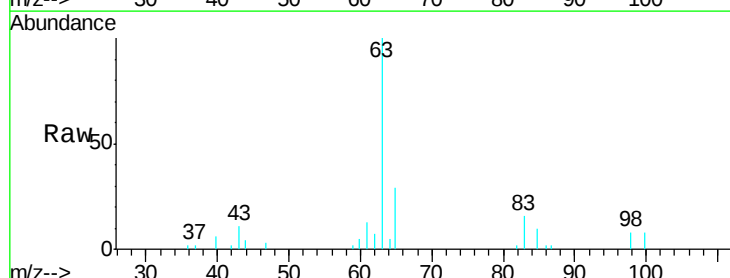
Tgt Ion: 63 Resp: 31557

Ion Ratio Lower Upper

63 100

98 7.5 4.0 11.9

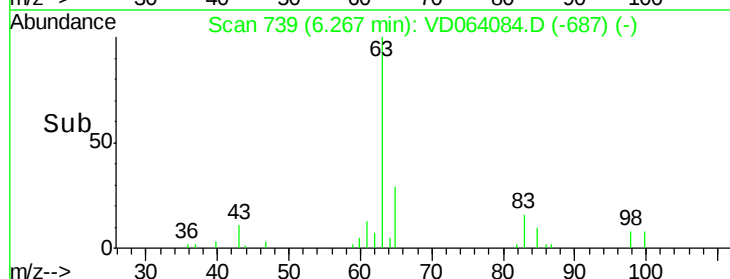
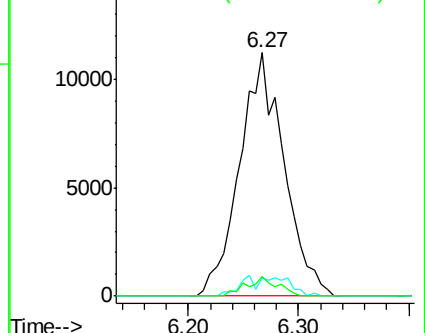
100 8.1 2.6 7.8#

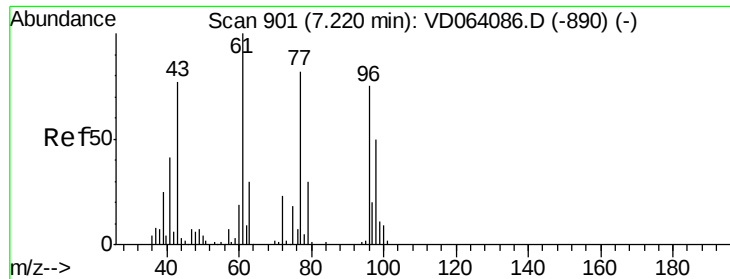


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 49.003 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 43 Resp: 21613

Ion Ratio Lower Upper

43 100

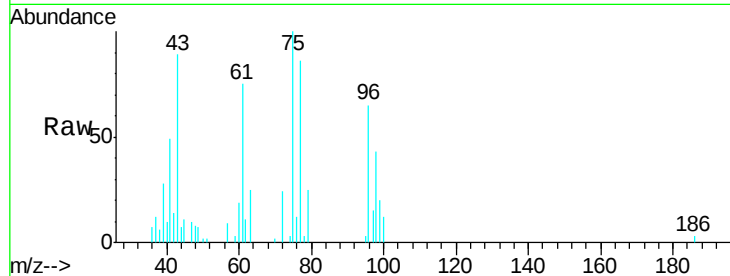
72 26.8 23.4 35.0

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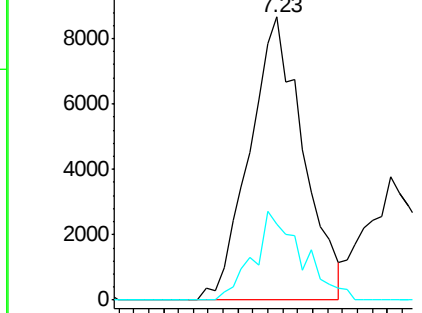
MMDadoda

10/30/2019 10:58:04 AM

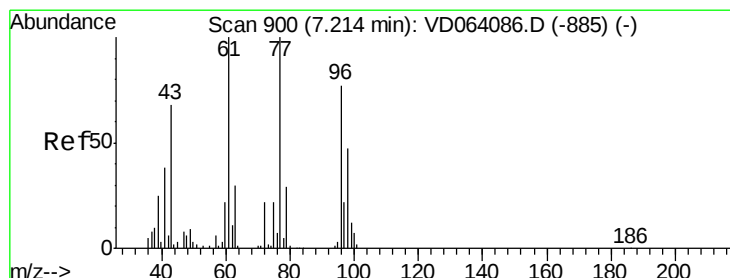
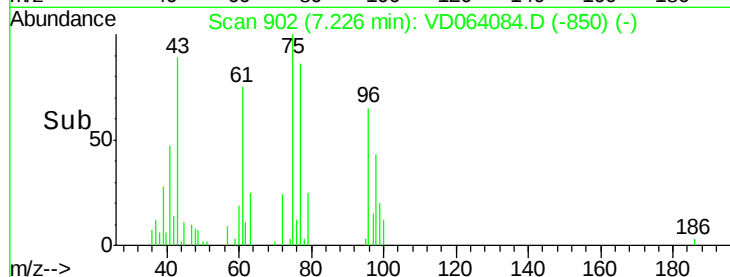


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 10.469 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064084.D

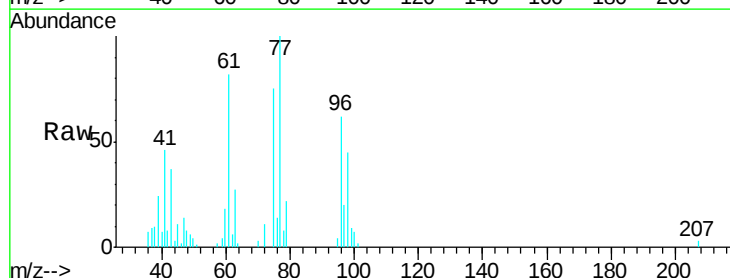
Acq: 29 Oct 2019 12:42

Tgt Ion: 77 Resp: 31809

Ion Ratio Lower Upper

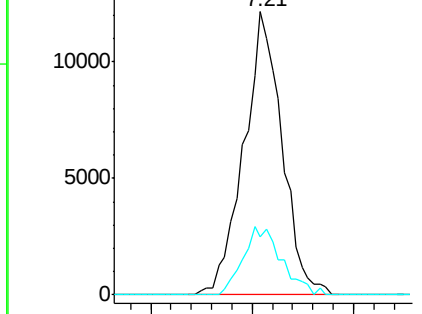
77 100

97 24.1 11.2 33.5

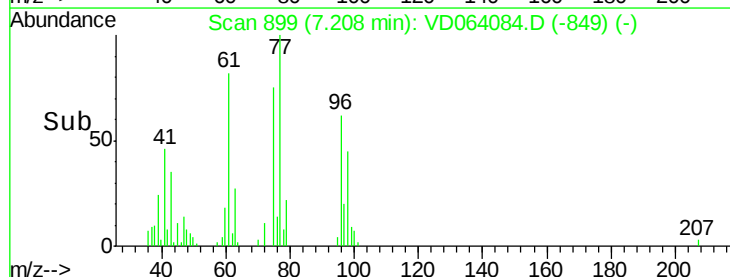


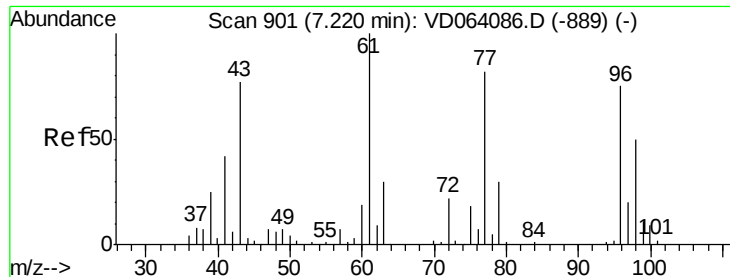
Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC



Time-->





#27

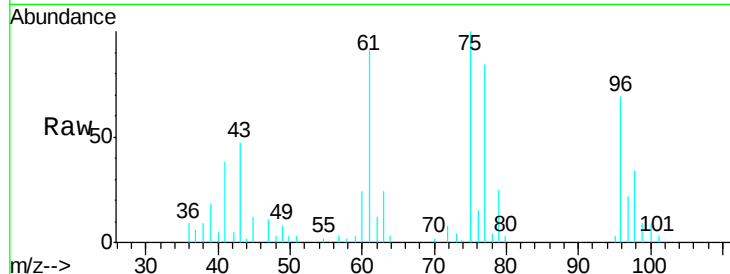
cis-1,2-Dichloroethene
Concen: 9.736 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

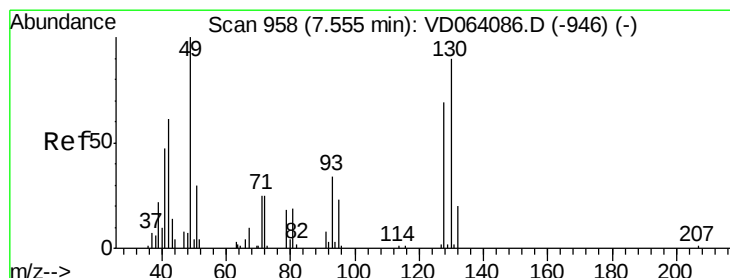
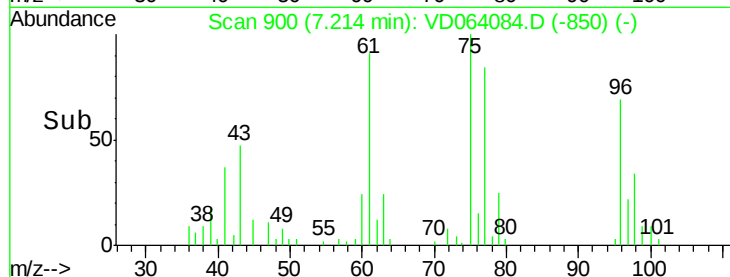
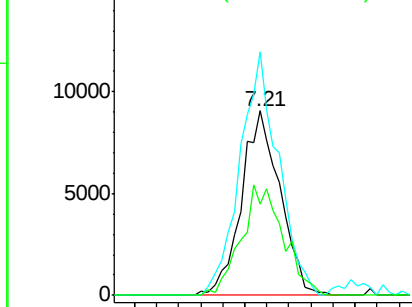
Tgt Ion	Ratio	Lower	Upper
96	100		
61	130.5	0.0	258.0
98	64.6	0.0	130.8

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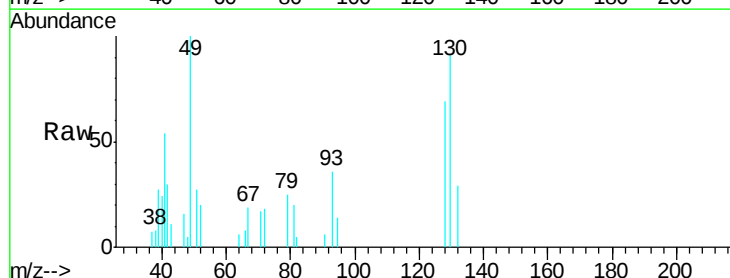
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



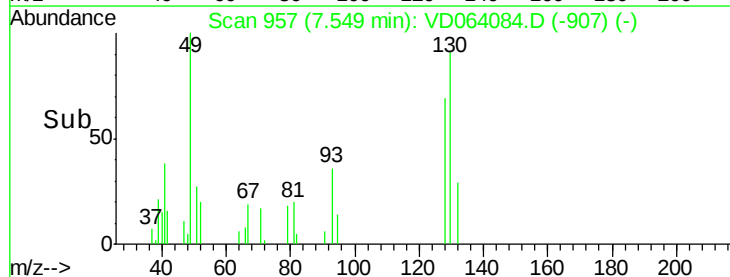
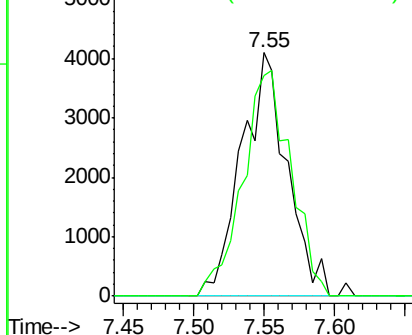
#28

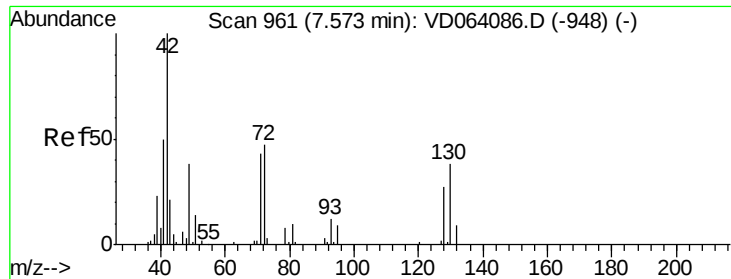
Bromochloromethane
Concen: 7.933 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.4
130	97.9	75.3	112.9



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





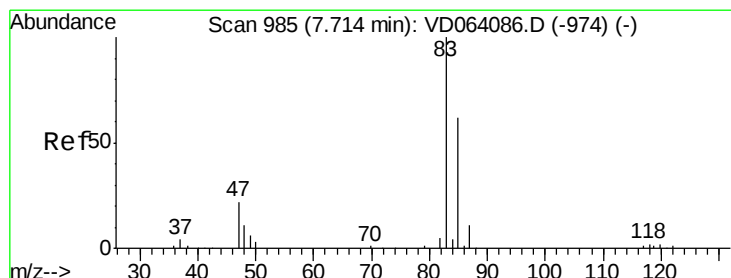
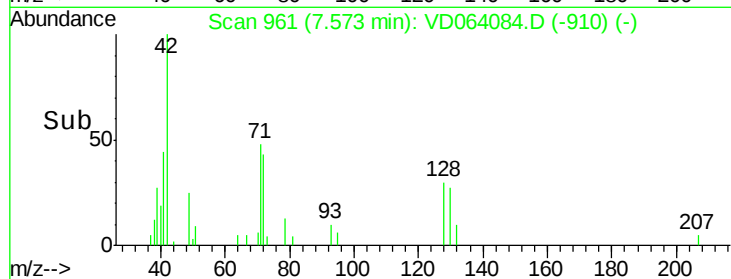
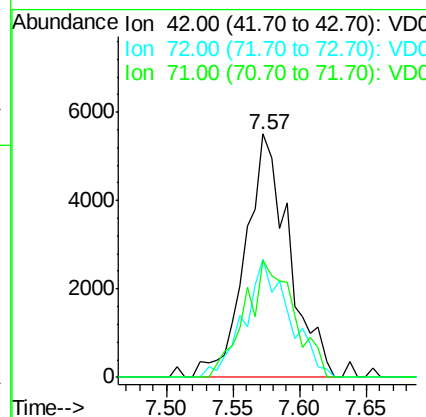
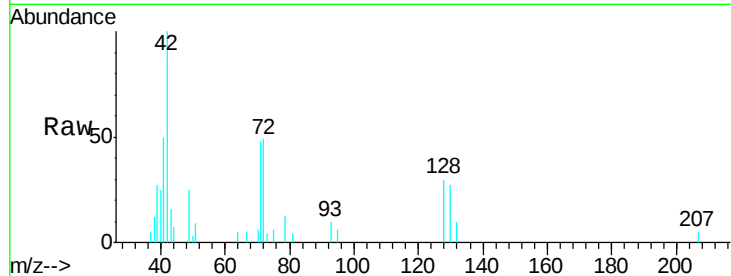
#29
Tetrahydrofuran
Concen: 48.375 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
42	100		
72	50.3	38.9	58.3
71	53.9	35.4	53.2

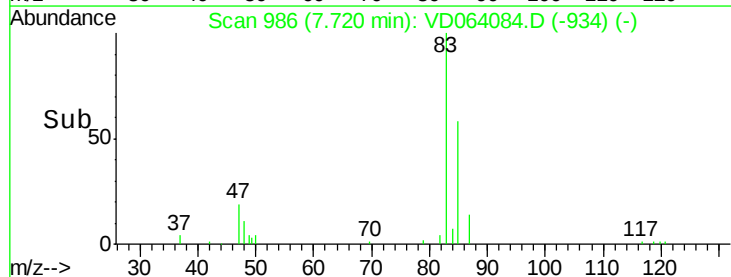
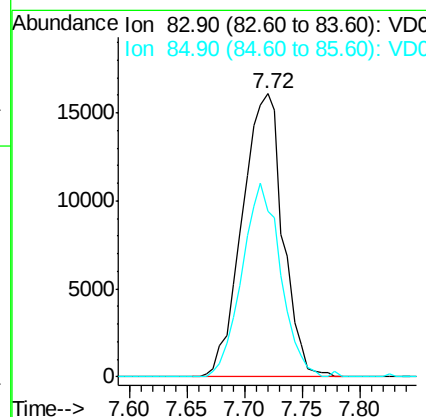
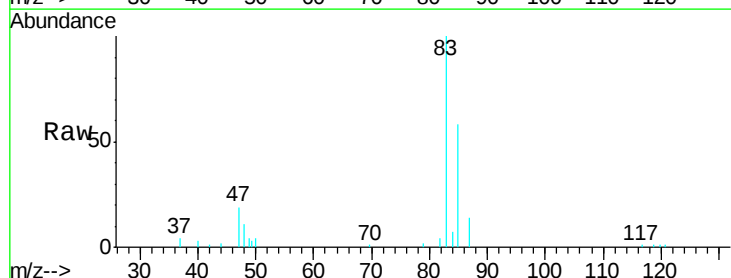
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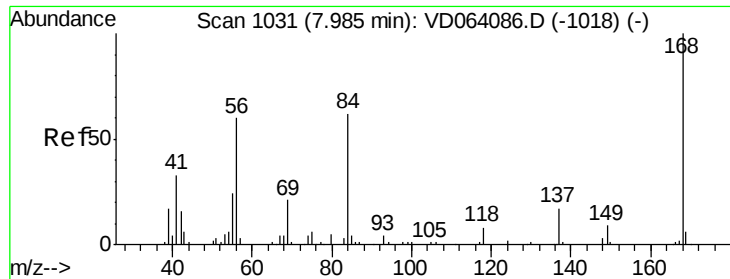
MMDadoda
10/30/2019 10:58:04 AM



#30
Chloroform
Concen: 10.769 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.5	49.8	74.6





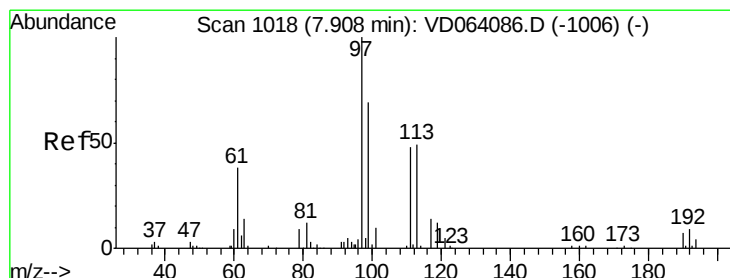
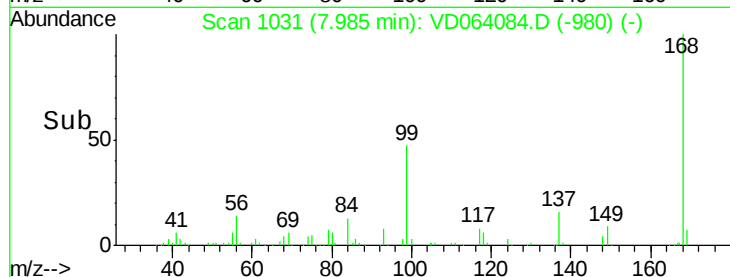
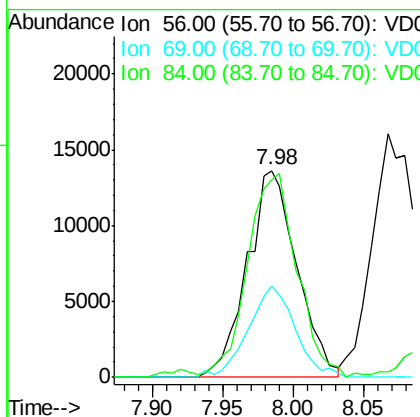
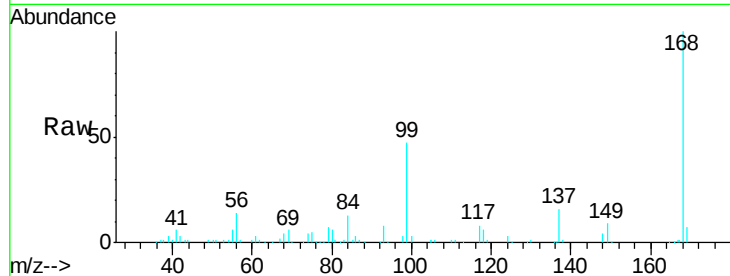
#31
Cyclohexane
Concen: 10.778 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 56 Resp: 33615
Ion Ratio Lower Upper
56 100
69 44.0 27.7 41.5#
84 92.7 83.1 124.7

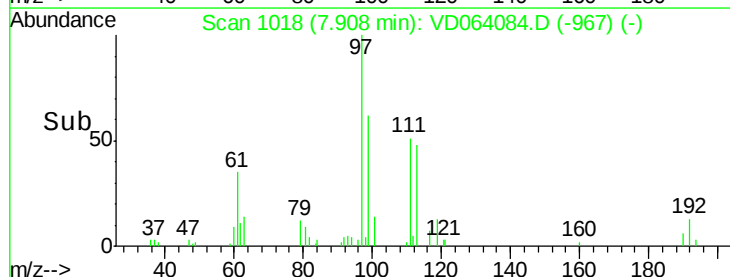
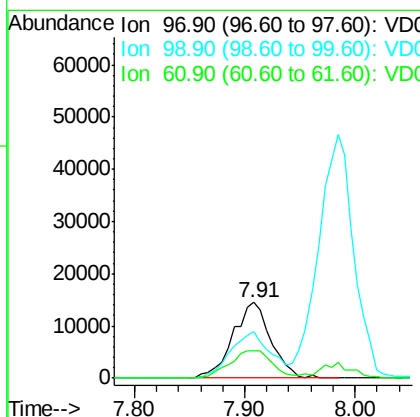
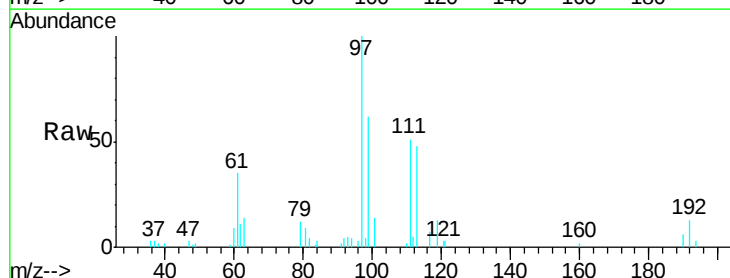
Manual Integrations
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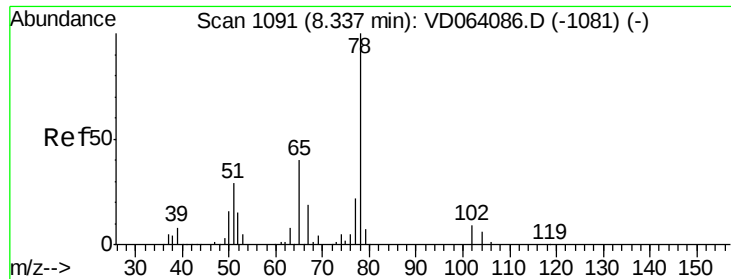
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 10.240 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion: 97 Resp: 34916
Ion Ratio Lower Upper
97 100
99 64.7 53.7 80.5
61 40.4 31.8 47.6





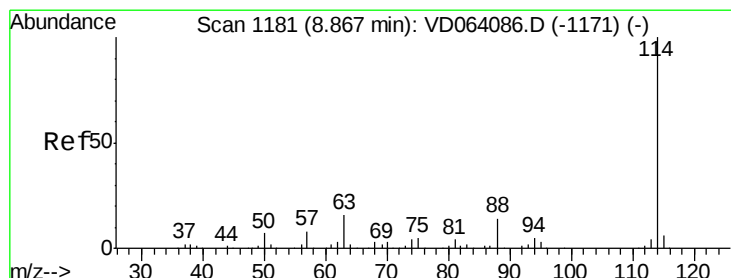
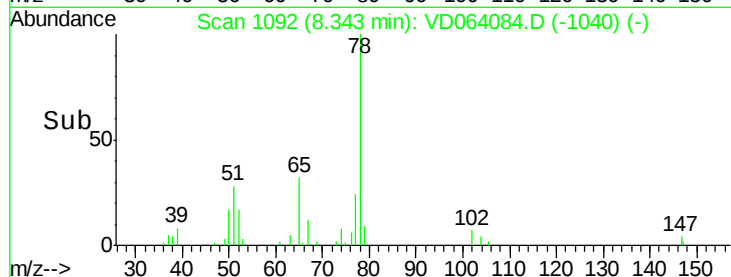
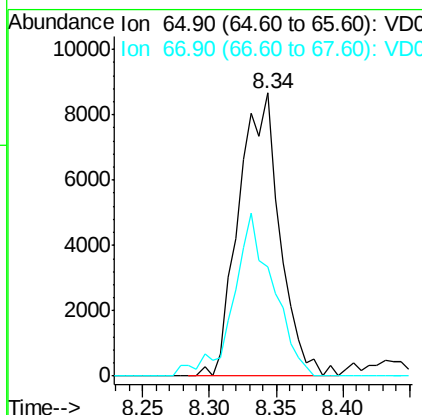
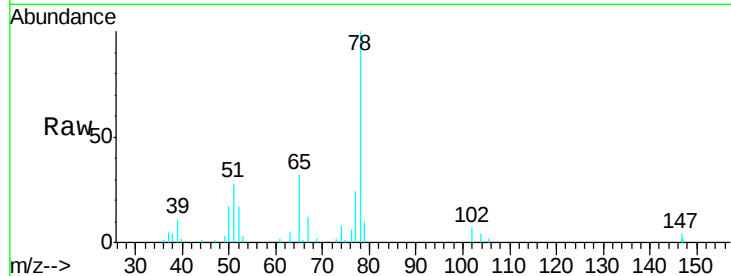
#33
 1,2-Dichloroethane-d4
 Concen: 11.009 ug/l
 RT: 8.34 min Scan# 1092
 Delta R.T. 0.01 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	18459		
67	56.0	0.0	0.0	104.6

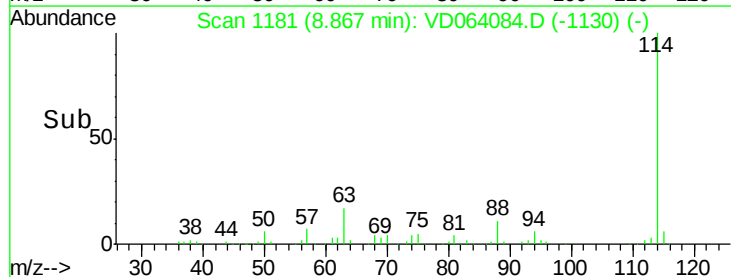
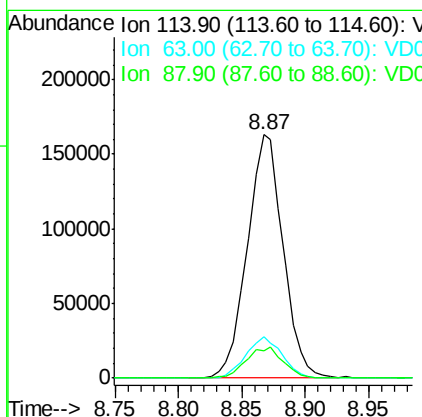
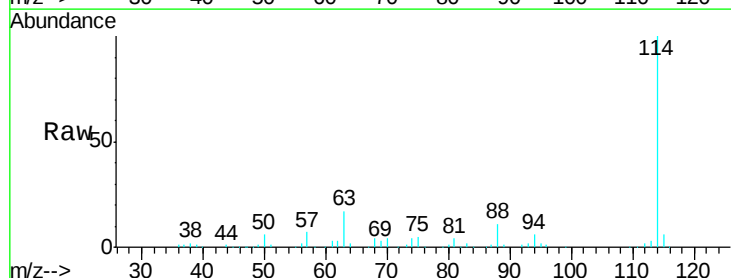
Manual Integrations
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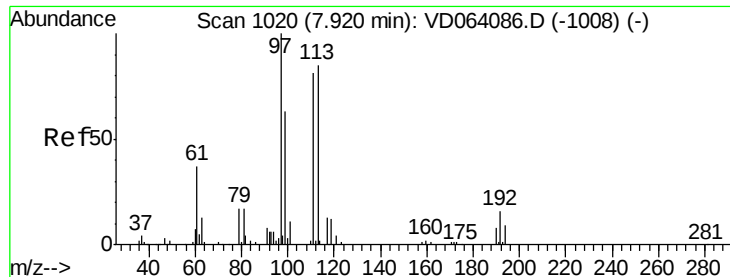
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	321122		
63	17.1	0.0	0.0	32.8
88	11.5	0.0	0.0	27.6





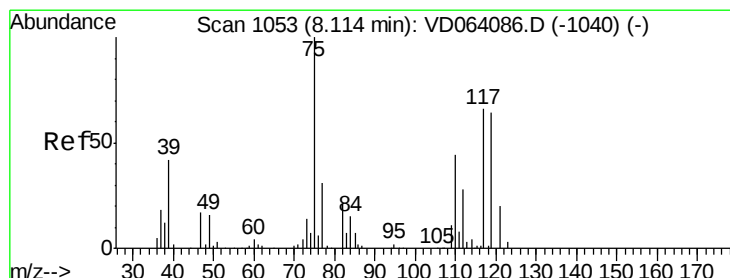
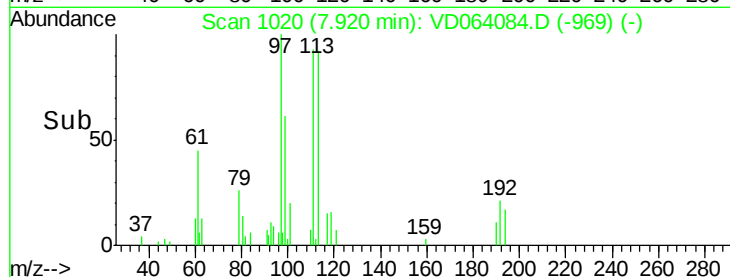
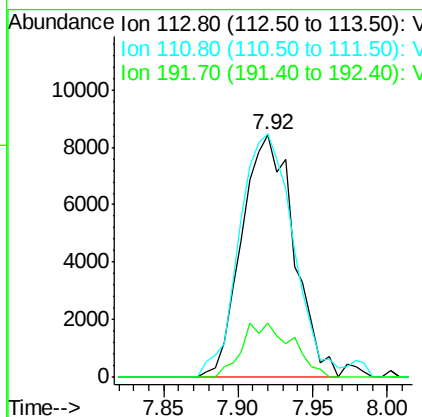
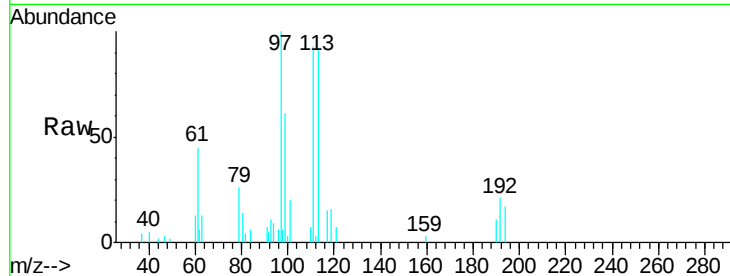
#35
Dibromofluoromethane
Concen: 10.338 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	79.3	118.9
192	21.7	16.2	24.2

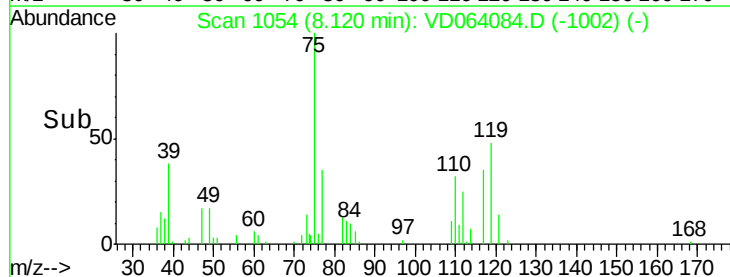
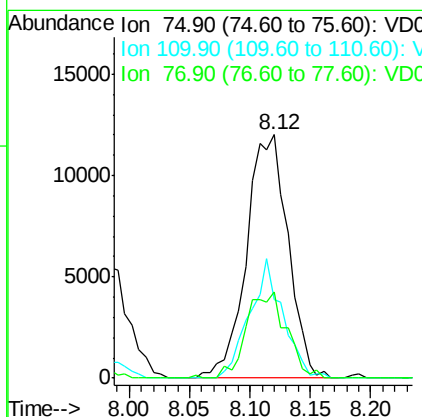
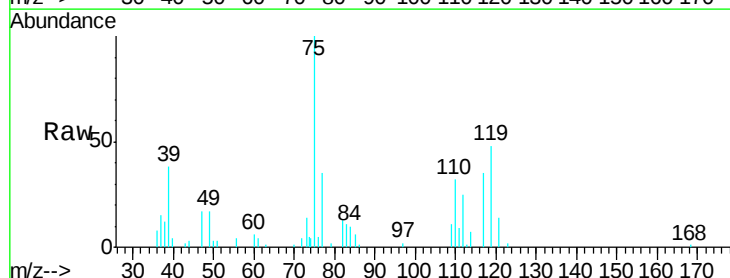
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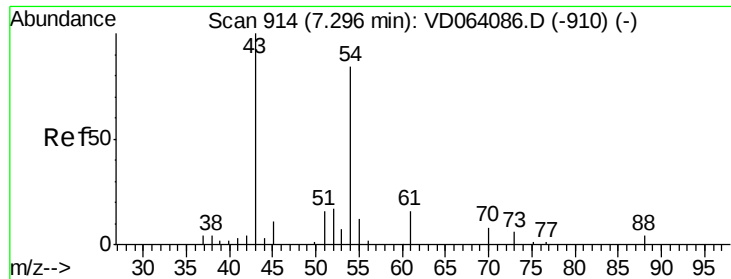
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#36
1,1-Dichloropropene
Concen: 9.562 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.4	20.0	59.9
77	34.4	24.7	37.1





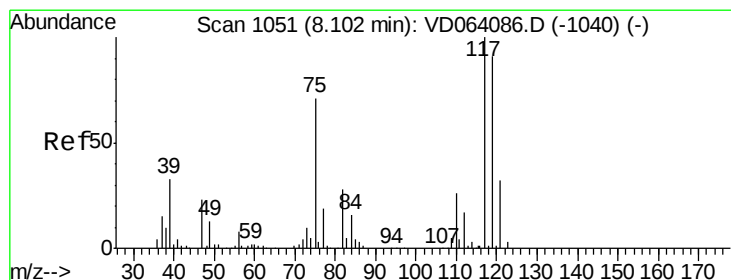
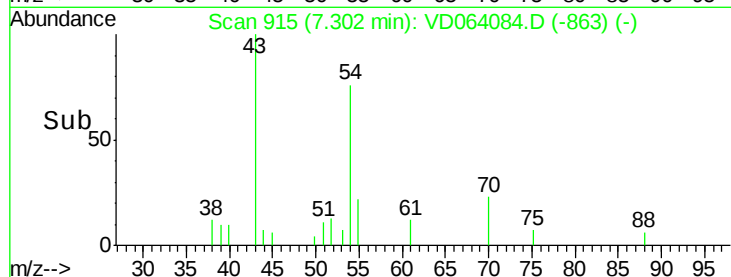
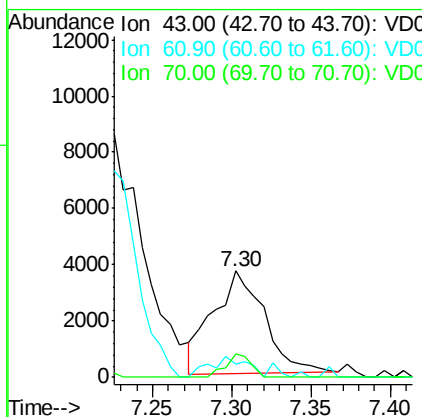
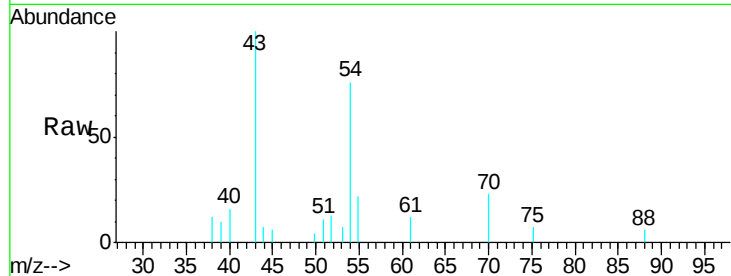
#37
Ethyl Acetate
Concen: 8.864 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 8210
Ion Ratio Lower Upper
43 100
61 14.4 12.0 18.0
70 11.1 3.8 5.6#

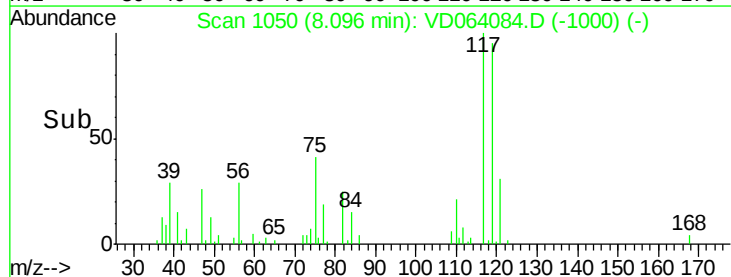
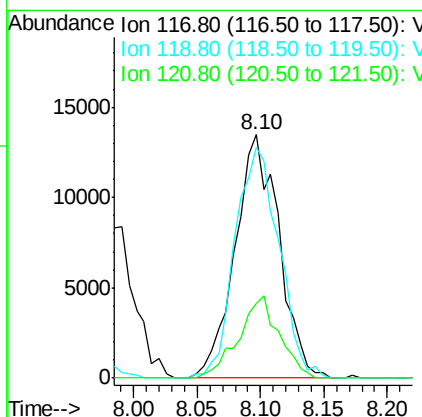
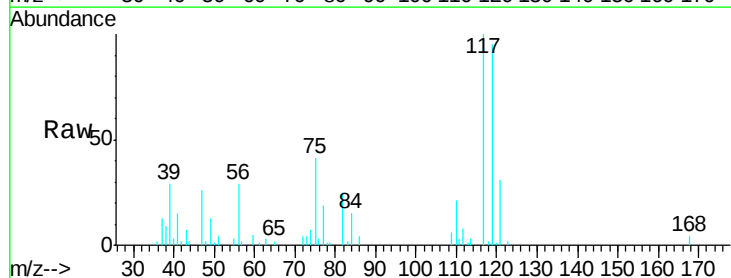
Manual Integrations
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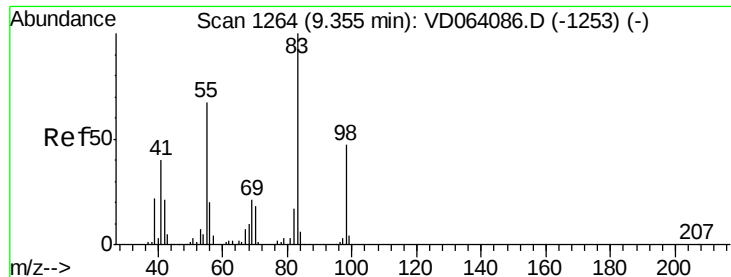
MMDadoda
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#38
Carbon Tetrachloride
Concen: 9.892 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion: 117 Resp: 32475
Ion Ratio Lower Upper
117 100
119 94.7 72.6 108.8
121 30.5 25.8 38.6





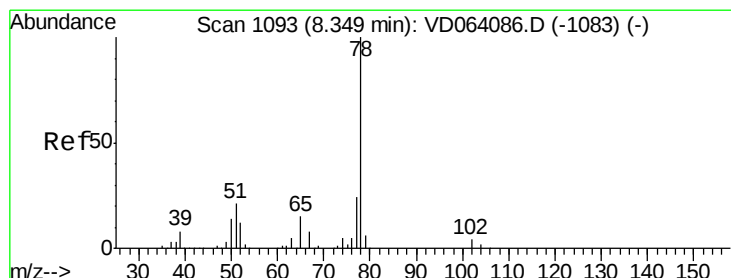
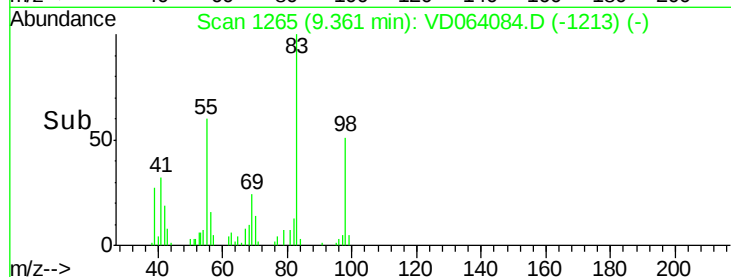
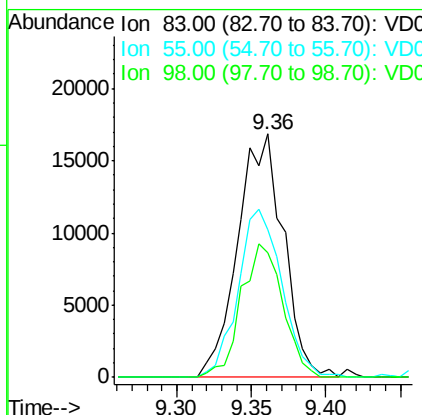
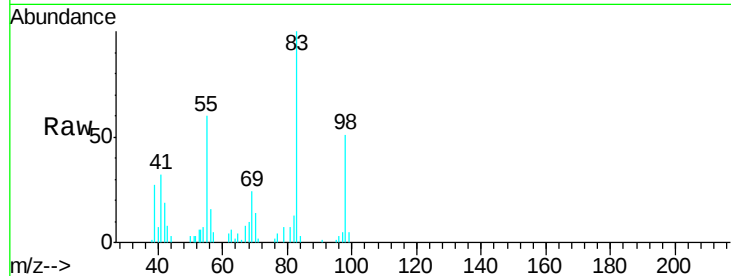
#39
Methylcyclohexane
Concen: 9.646 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
83	100		
55	60.5	53.4	80.0
98	51.0	37.8	56.6

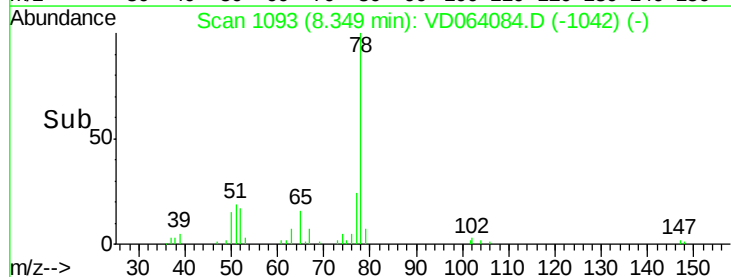
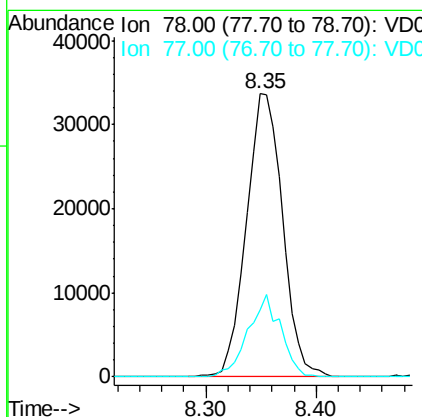
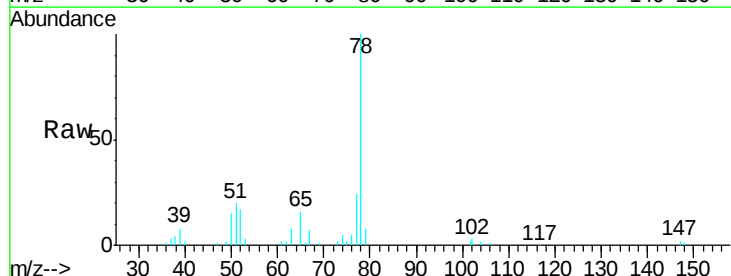
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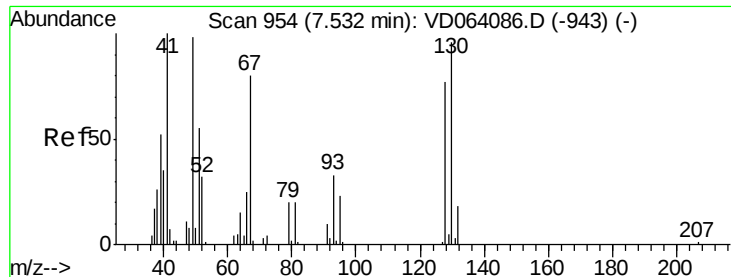
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#40
Benzene
Concen: 9.467 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4





#41

Methacrylonitrile

Concen: 6.923 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 4351

Ion Ratio Lower Upper

41 100

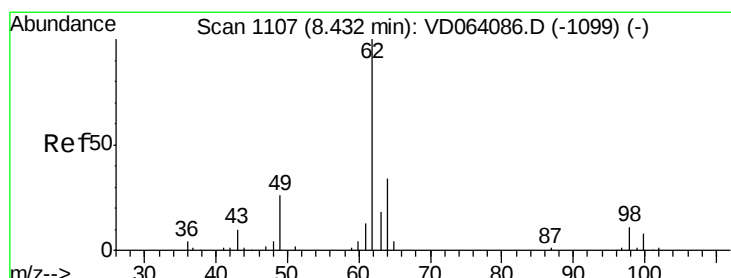
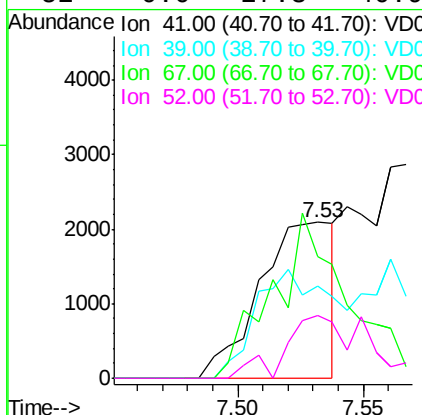
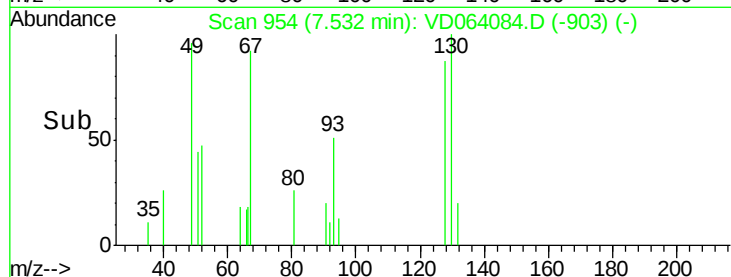
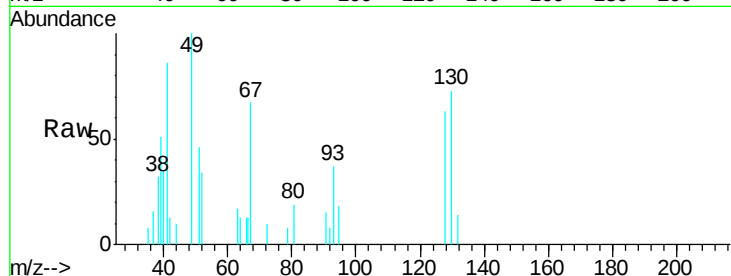
39 102.4 41.0 61.4#

67 0.0 73.4 110.0#

52 0.0 27.3 40.9#

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#42

1,2-Dichloroethane

Concen: 9.668 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD064084.D

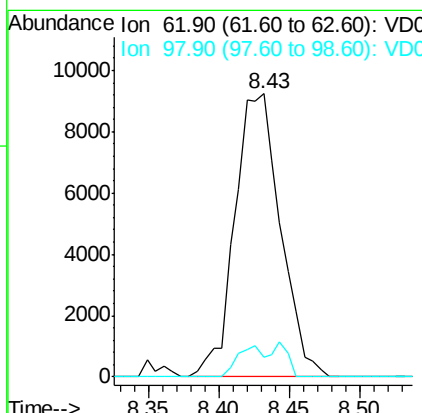
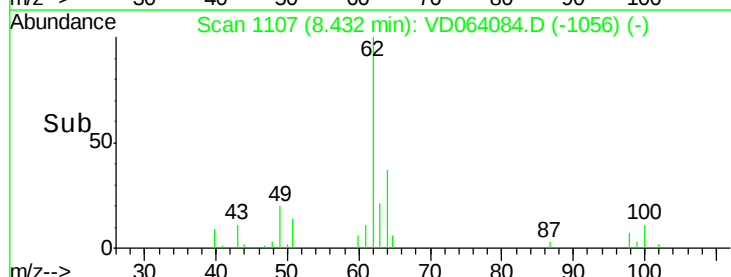
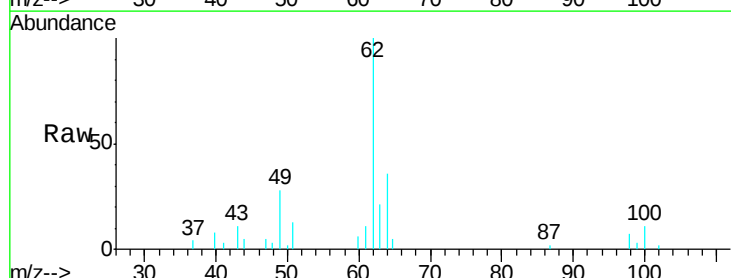
Acq: 29 Oct 2019 12:42

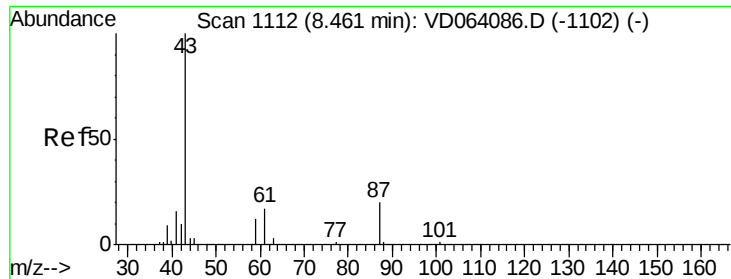
Tgt Ion: 62 Resp: 20955

Ion Ratio Lower Upper

62 100

98 6.1 0.0 21.0





#43

Isopropyl Acetate

Concen: 9.800 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

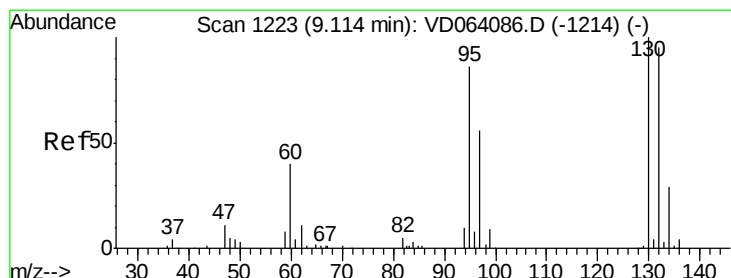
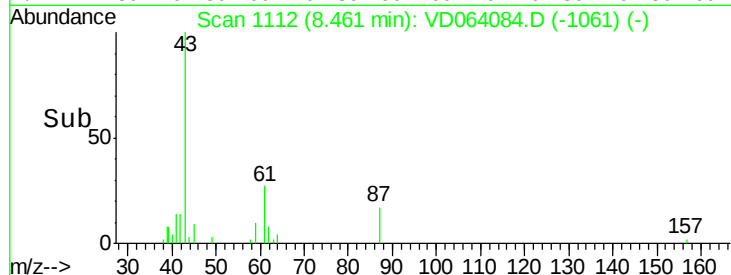
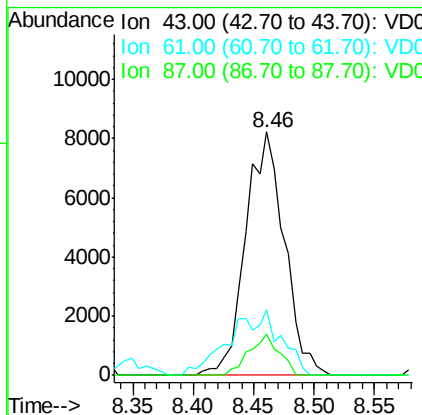
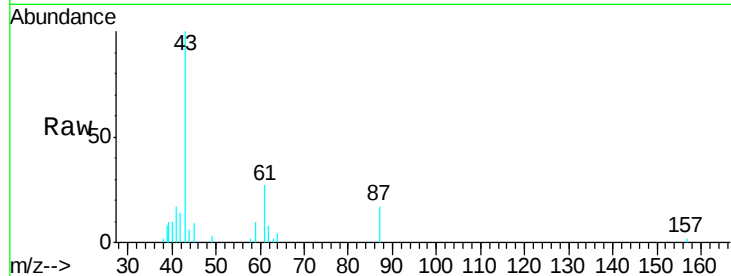
ClientSampleId :

VSTDIC010

Tgt Ion:	43	Resp:	18343
Ion Ratio	Lower	Upper	
43	100		
61	0.0	25.8	38.8#
87	13.1	13.0	19.4

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#44

Trichloroethene

Concen: 9.984 ug/l

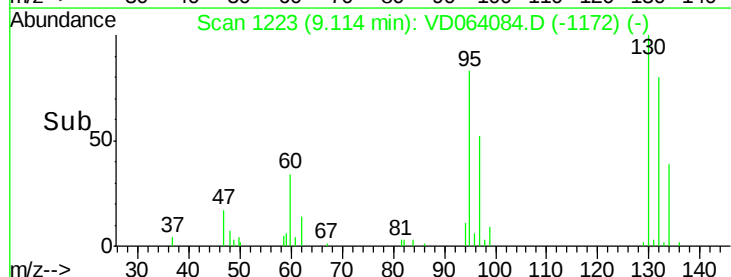
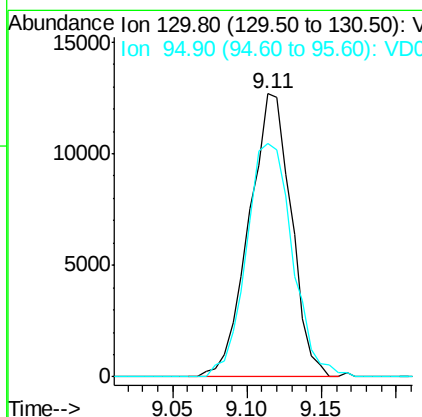
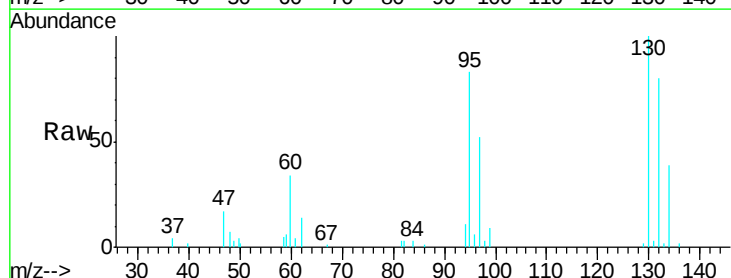
RT: 9.11 min Scan# 1223

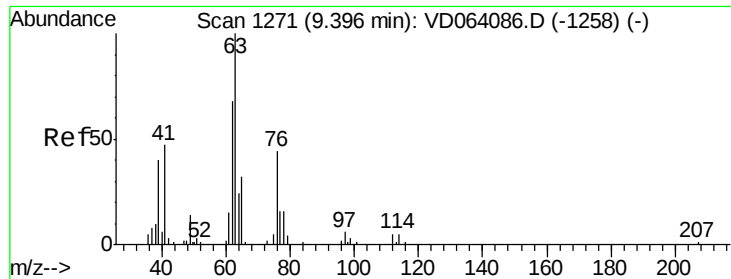
Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Tgt Ion:	130	Resp:	24831
Ion Ratio	Lower	Upper	
130	100		
95	82.6	0.0	173.0





#45

1,2-Dichloropropane

Concen: 10.059 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 63 Resp: 19129

Ion Ratio Lower Upper

63 100

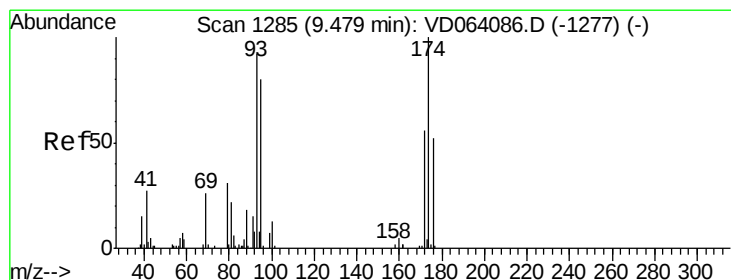
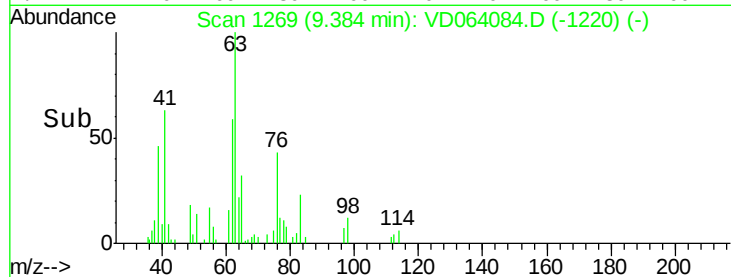
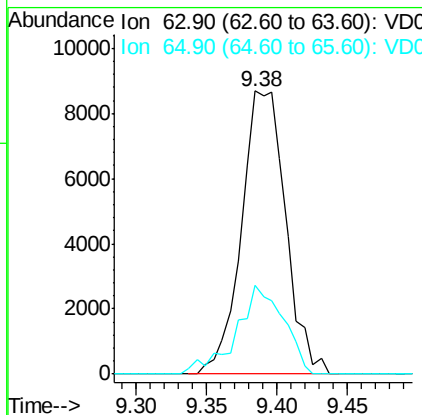
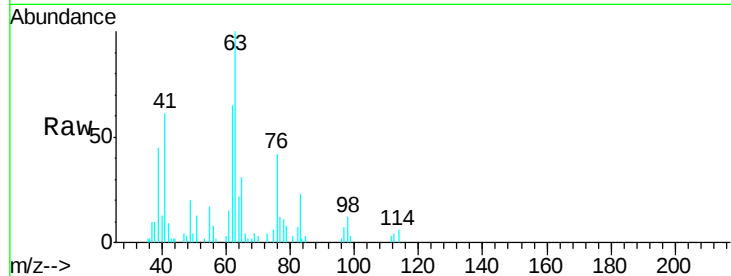
65 31.3 25.8 38.8

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#46

Dibromomethane

Concen: 10.296 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

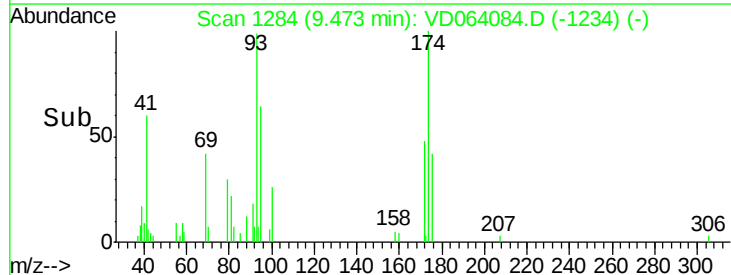
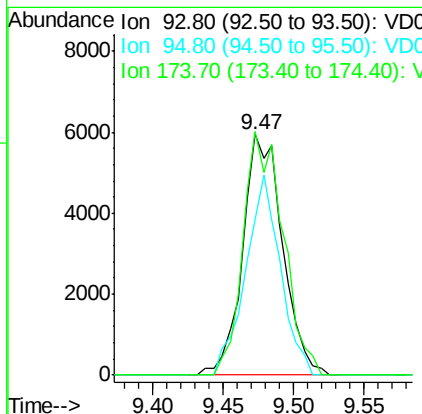
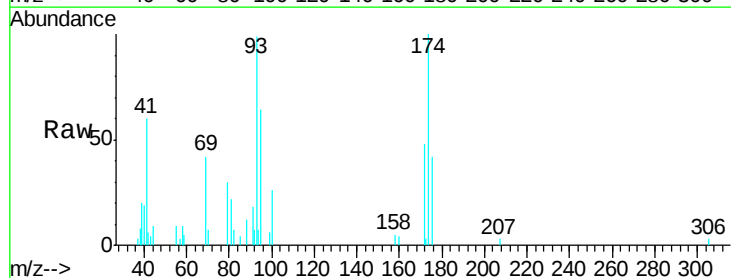
Tgt Ion: 93 Resp: 11792

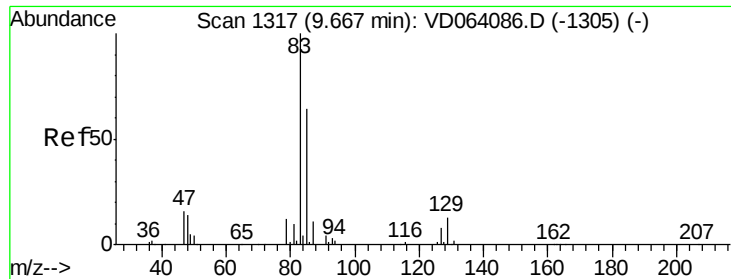
Ion Ratio Lower Upper

93 100

95 72.3 67.4 101.2

174 100.9 86.4 129.6





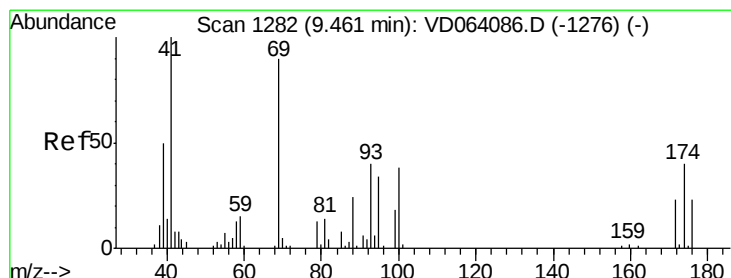
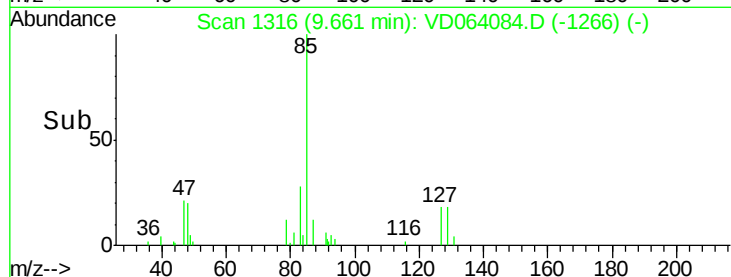
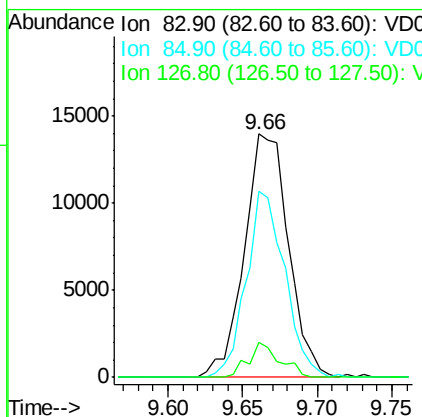
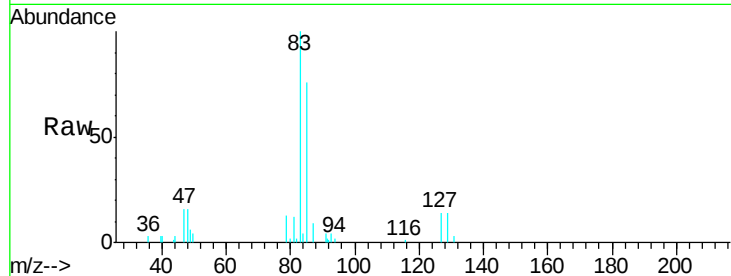
#47
Bromodichloromethane
Concen: 9.883 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	28556		
85	76.4		51.4	77.0
127	14.1		6.7	10.1

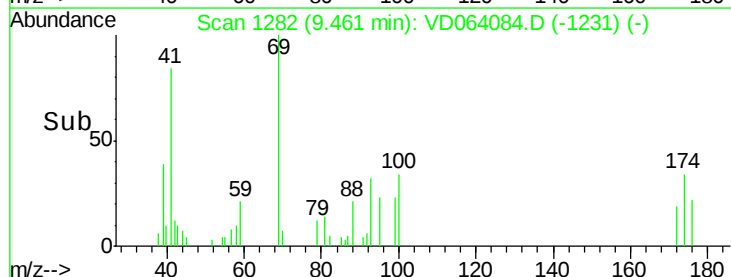
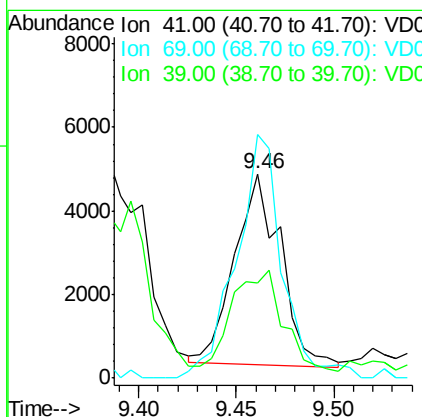
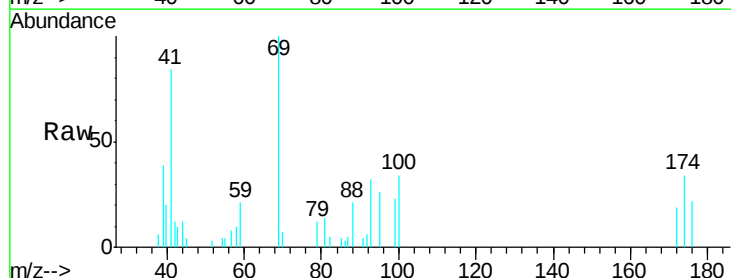
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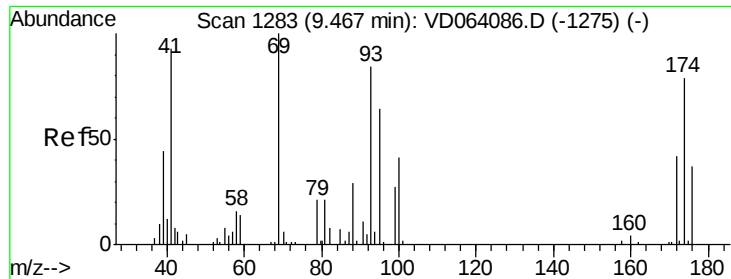
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#48
Methyl methacrylate
Concen: 8.672 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	7506		
69	126.8		82.6	124.0
39	59.4		47.0	70.4





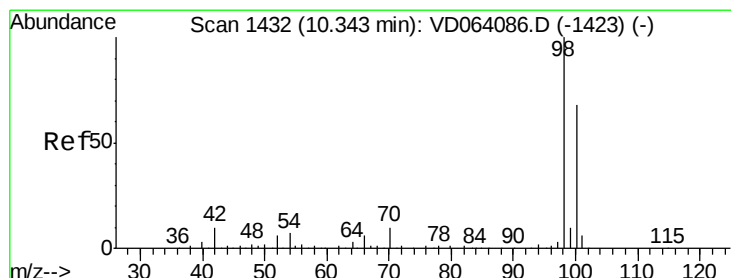
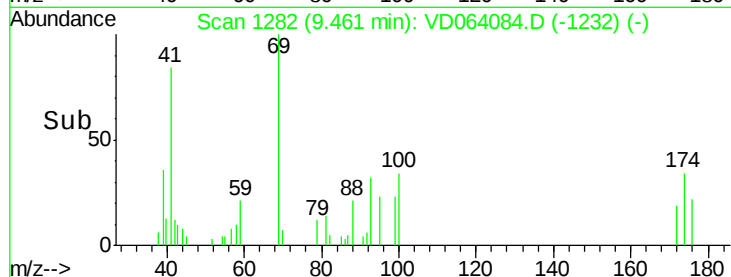
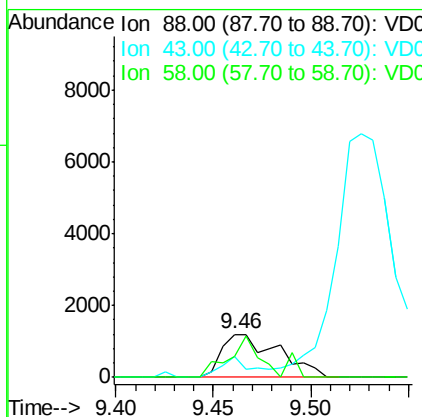
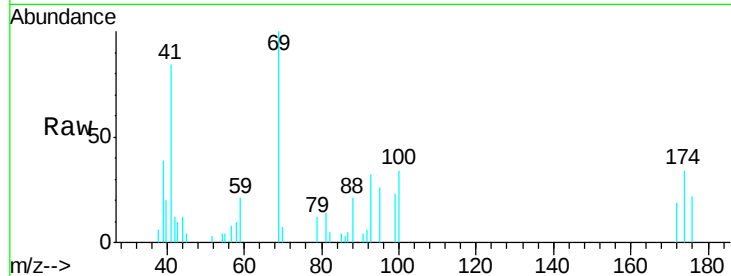
#49
 1,4-Dioxane
 Concen: 185.131 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 88 Resp: 2427
 Ion Ratio Lower Upper
 88 100
 43 25.8 13.4 20.0#
 58 51.1 46.7 70.1

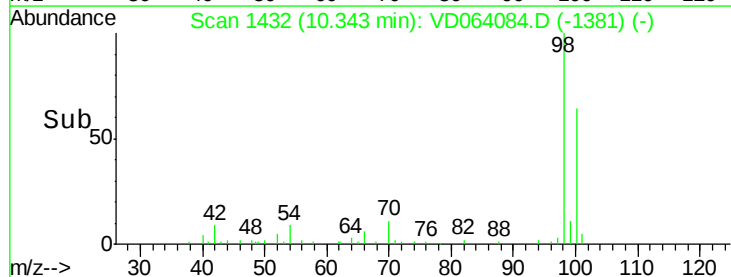
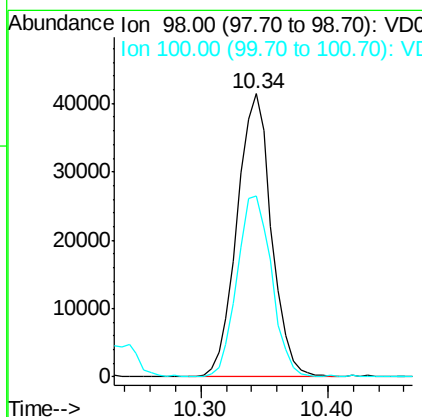
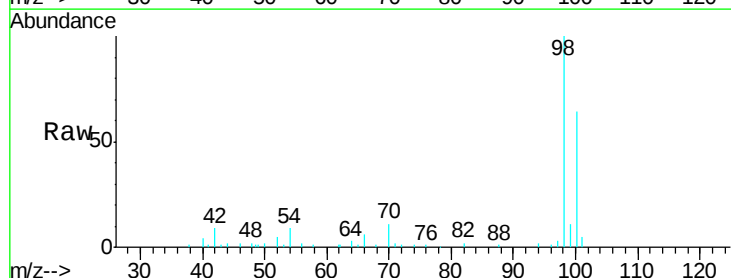
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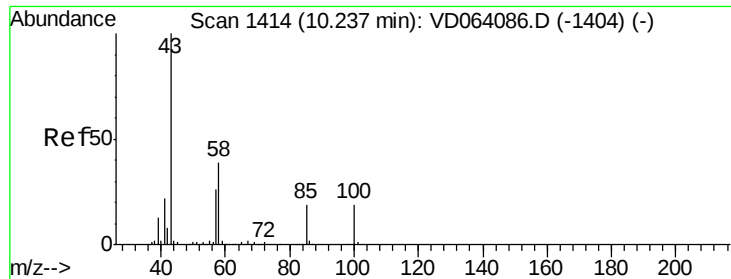
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#50
 Toluene-d8
 Concen: 9.869 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion: 98 Resp: 77973
 Ion Ratio Lower Upper
 98 100
 100 64.2 53.4 80.0





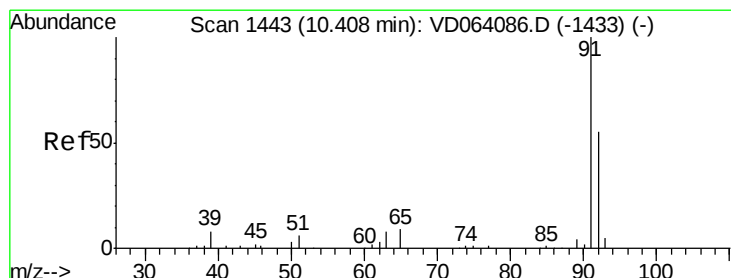
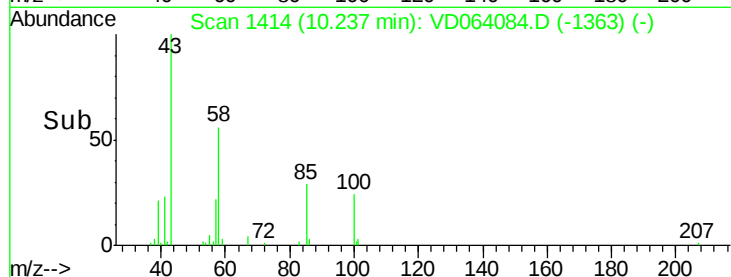
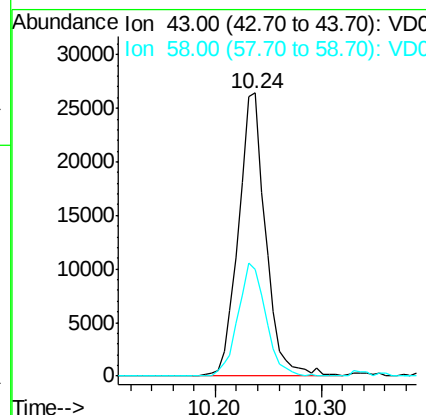
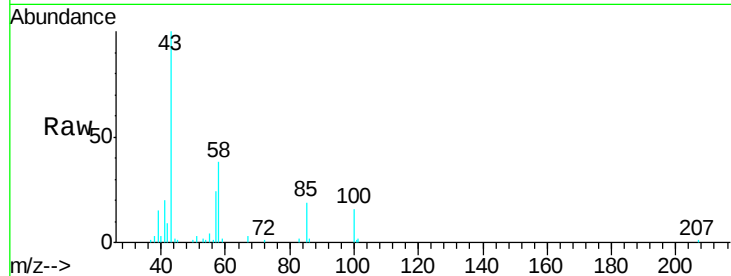
#51
4-Methyl-2-Pentanone
Concen: 46.203 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 47080
Ion Ratio Lower Upper
43 100
58 40.8 33.0 49.4

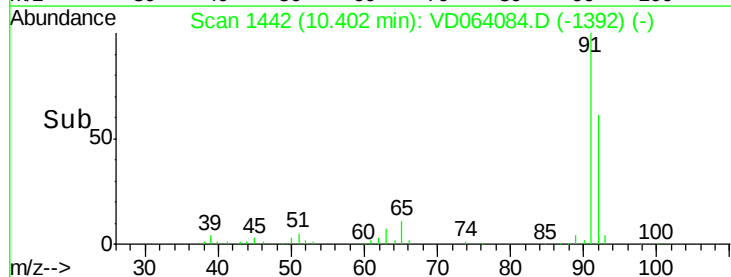
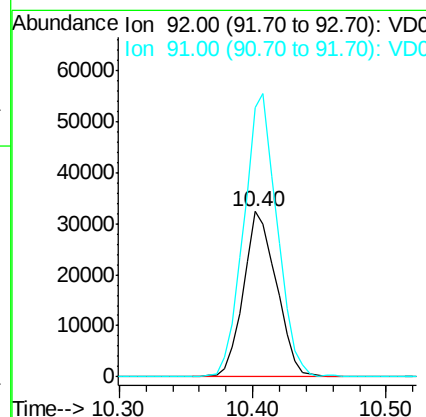
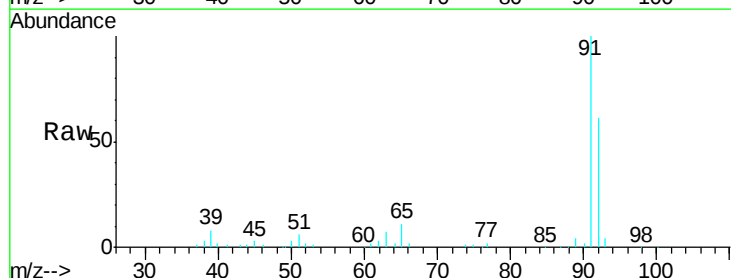
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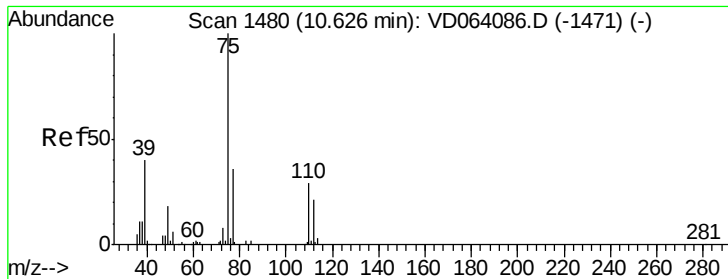
MMDadoda
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#52
Toluene
Concen: 9.640 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion: 92 Resp: 55435
Ion Ratio Lower Upper
92 100
91 172.3 140.7 211.1





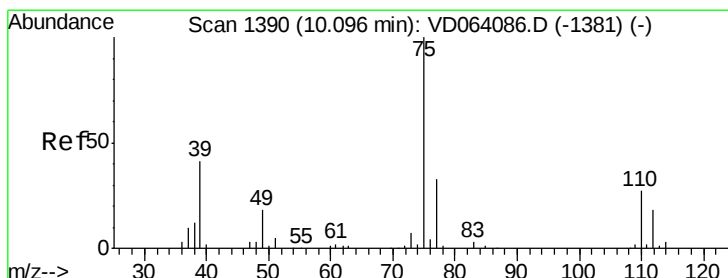
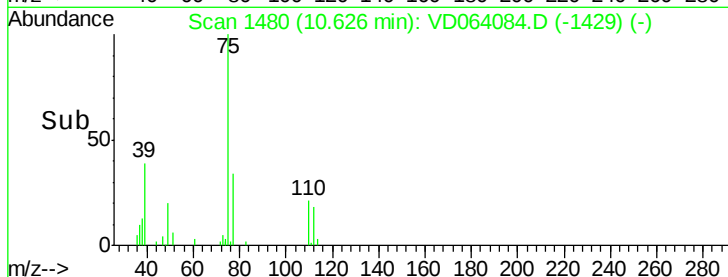
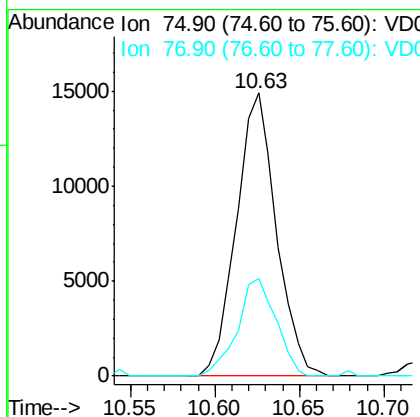
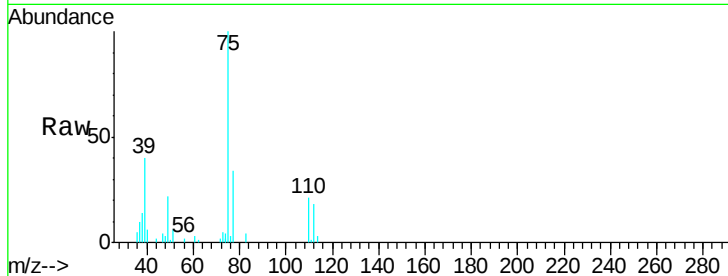
#53
t-1,3-Dichloropropene
Concen: 9.104 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 75 Resp: 24554
Ion Ratio Lower Upper
75 100
77 34.4 28.7 43.1

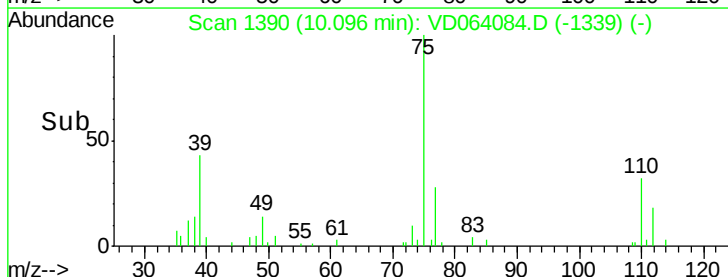
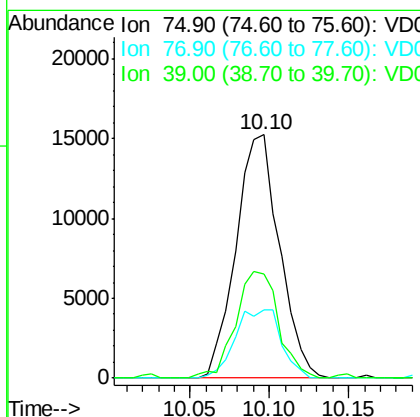
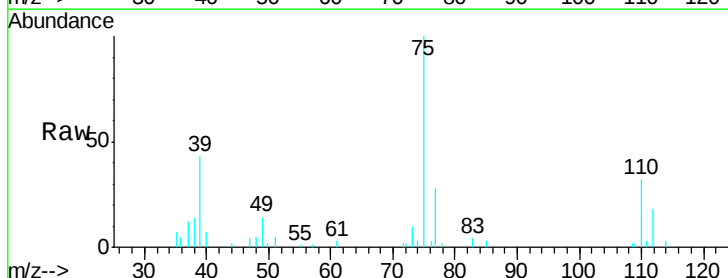
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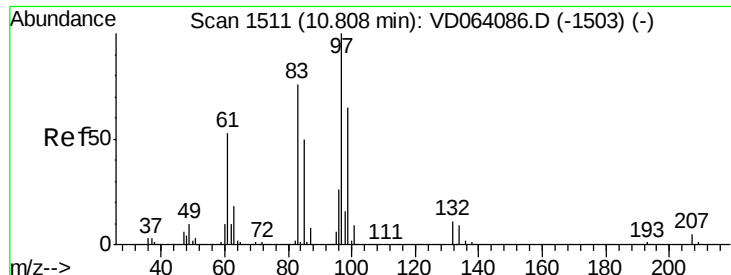
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#54
cis-1,3-Dichloropropene
Concen: 9.154 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion: 75 Resp: 29048
Ion Ratio Lower Upper
75 100
77 28.0 26.8 40.2
39 43.0 32.7 49.1





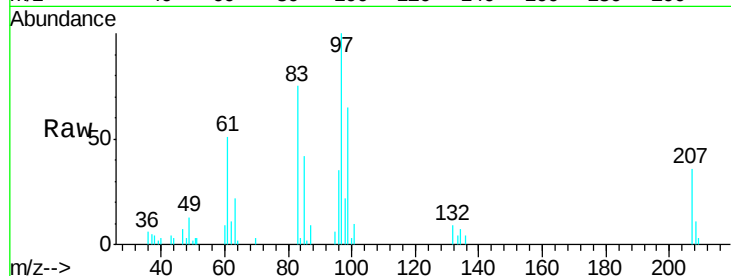
#55
 1,1,2-Trichloroethane
 Concen: 9.835 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

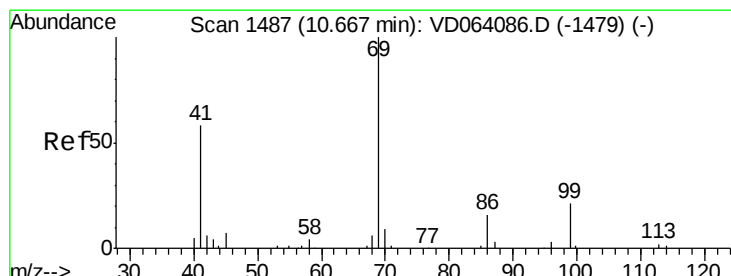
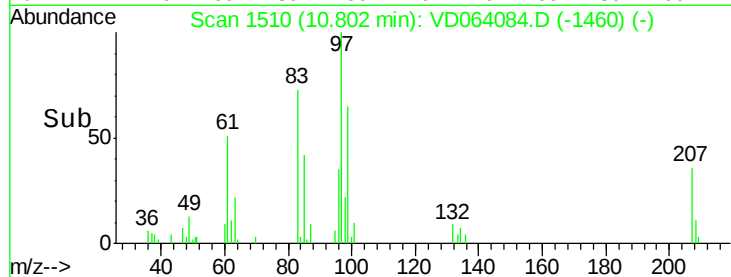
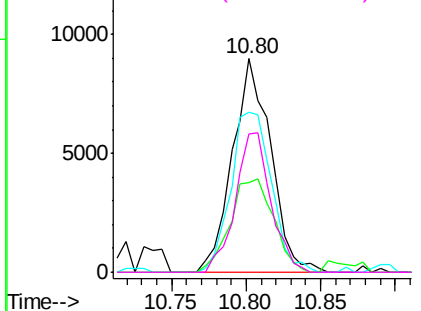
Tgt Ion:	97	Resp:	15969
Ion	Ratio	Lower	Upper
97	100		
83	75.1	60.9	91.3
85	42.2	40.2	60.2
99	65.0	51.9	77.9

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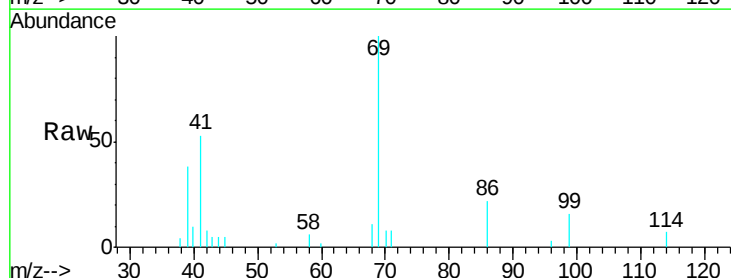


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

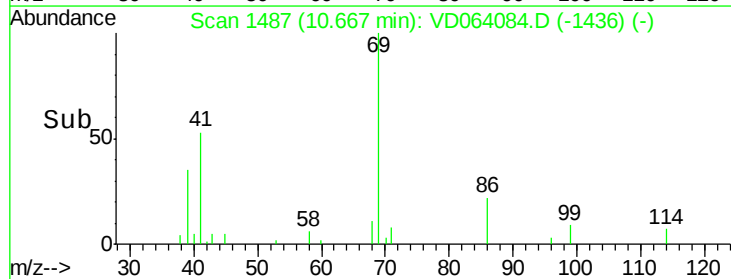
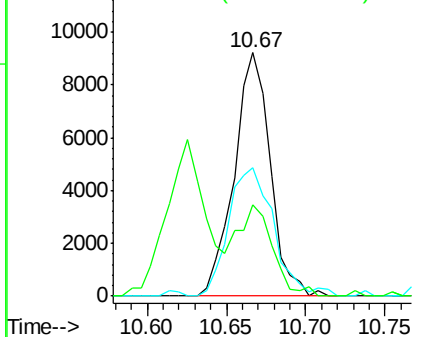


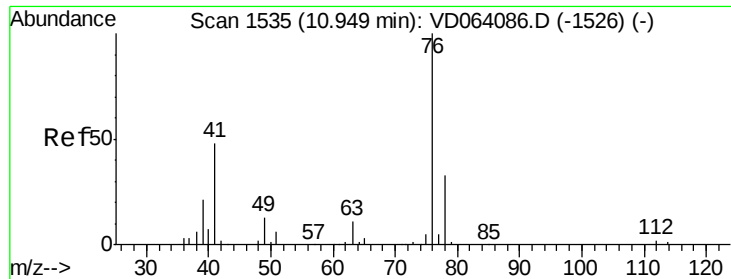
#56
 Ethyl methacrylate
 Concen: 8.253 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion:	69	Resp:	14552
Ion	Ratio	Lower	Upper
69	100		
41	65.8	46.9	70.3
39	37.1	27.3	40.9



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





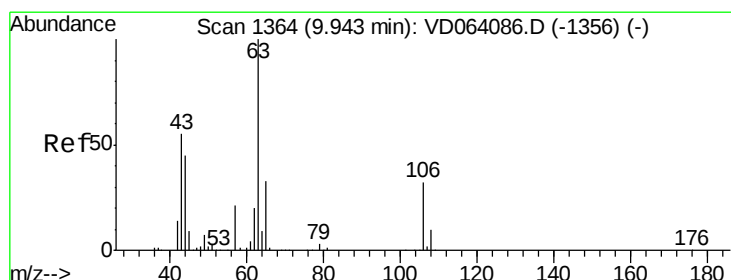
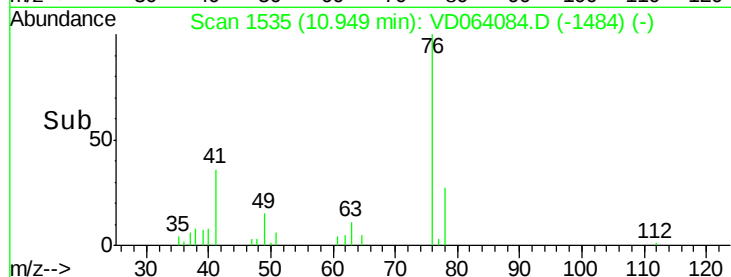
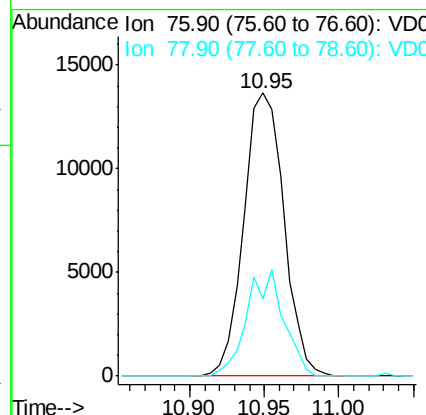
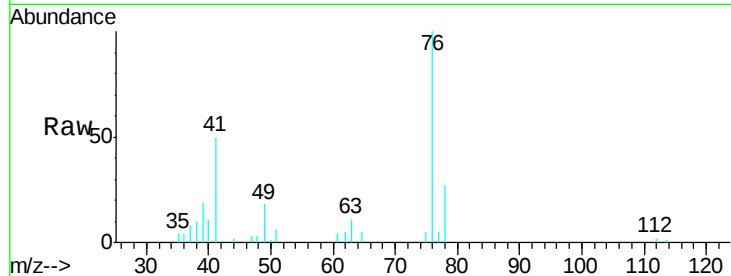
#57
 1,3-Dichloropropane
 Concen: 9.473 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 76 Resp: 25439
 Ion Ratio Lower Upper
 76 100
 78 34.3 25.9 38.9

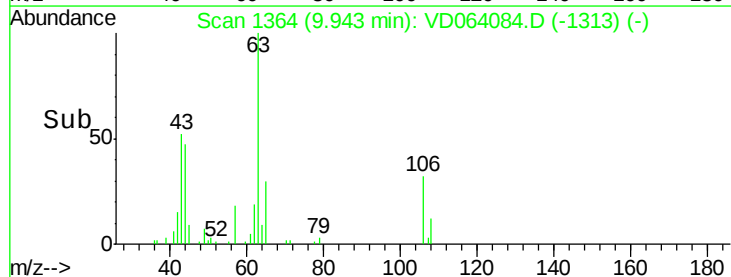
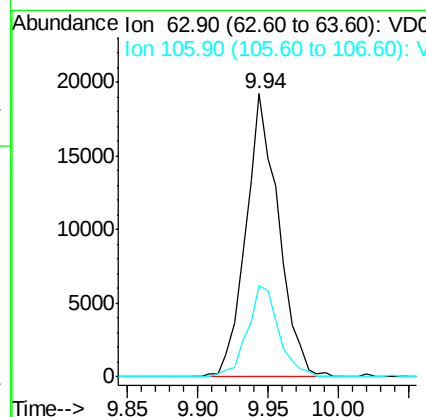
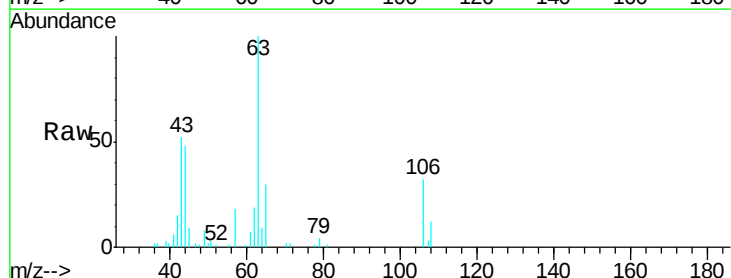
Manual Integrations
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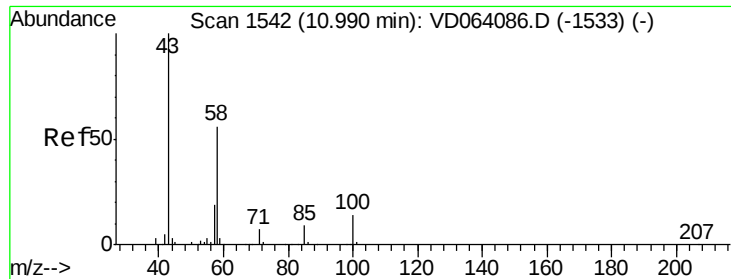
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 43.870 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion: 63 Resp: 31208
 Ion Ratio Lower Upper
 63 100
 106 31.0 25.8 38.8





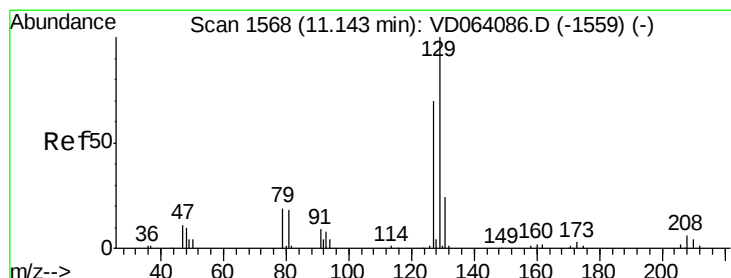
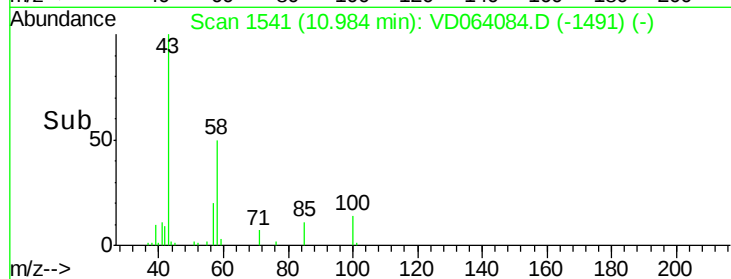
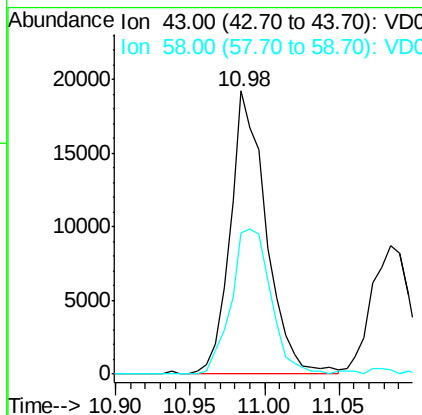
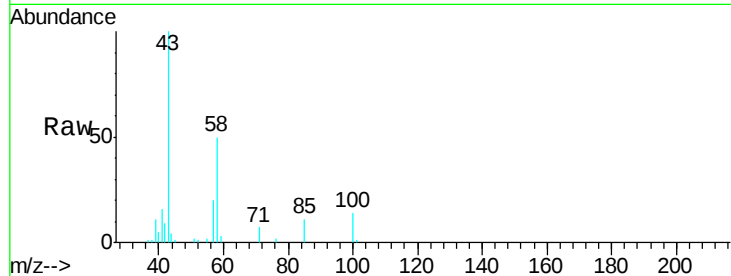
#59
2-Hexanone
Concen: 44.445 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 43 Resp: 32276
Ion Ratio Lower Upper
43 100
58 56.3 29.2 87.6

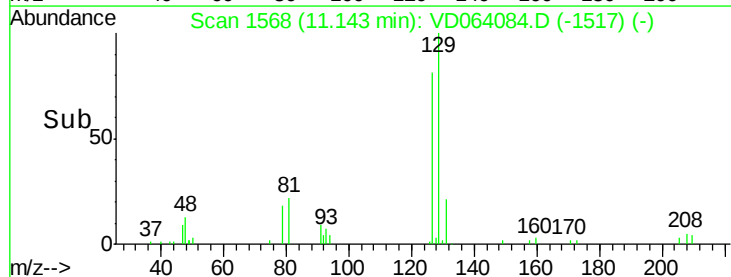
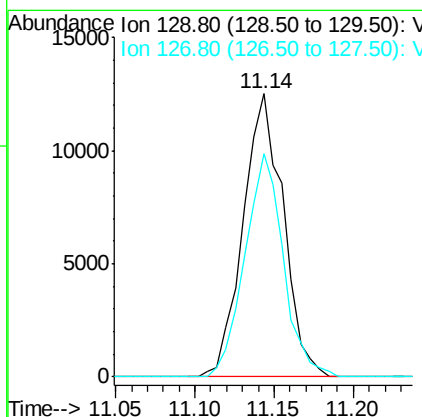
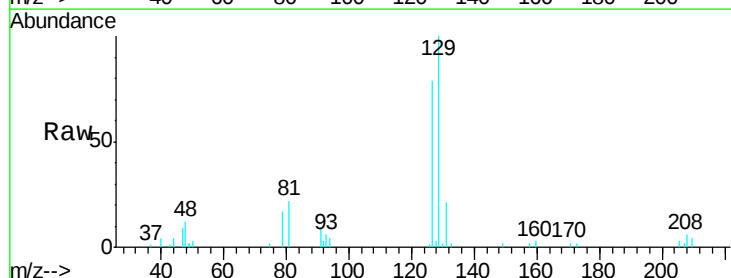
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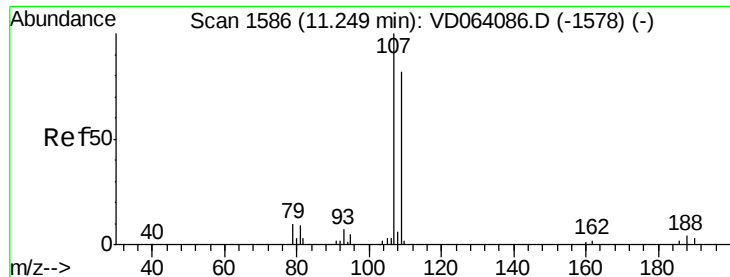
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#60
Dibromochloromethane
Concen: 9.983 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion: 129 Resp: 22001
Ion Ratio Lower Upper
129 100
127 75.8 38.3 114.8





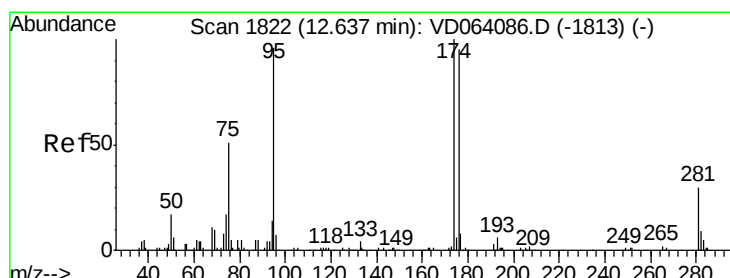
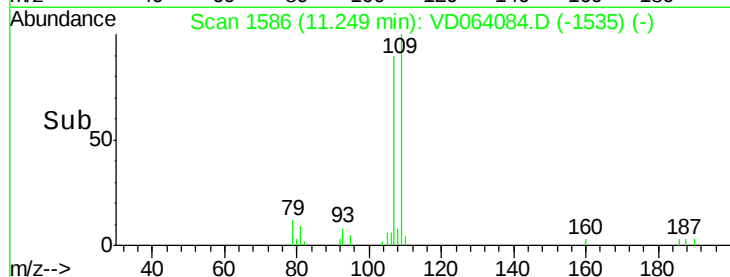
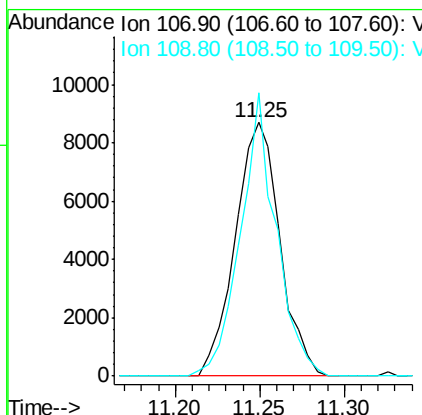
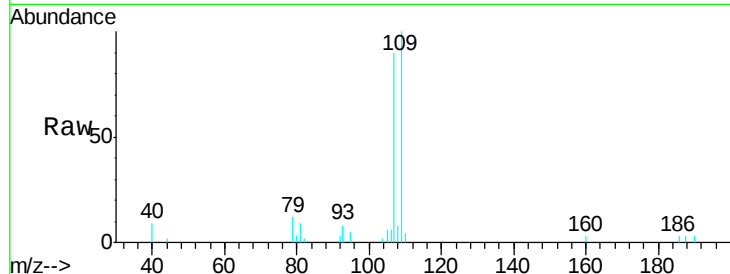
#61
 1,2-Dibromoethane
 Concen: 9.837 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 107 Resp: 15976
 Ion Ratio Lower Upper
 107 100
 109 89.2 73.0 109.4

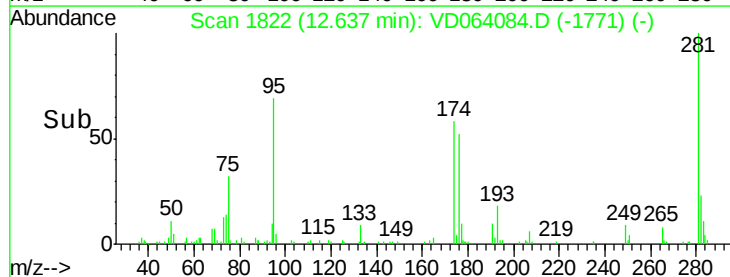
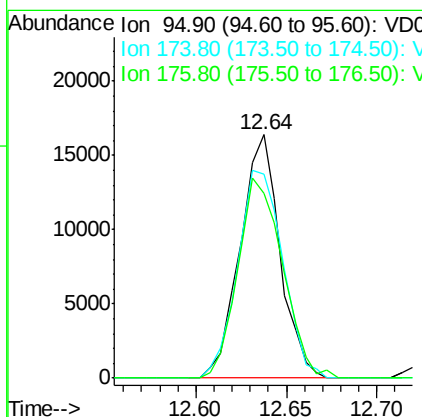
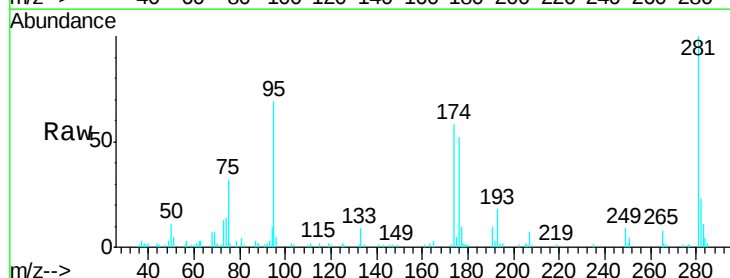
Manual Integrations
 APPROVED

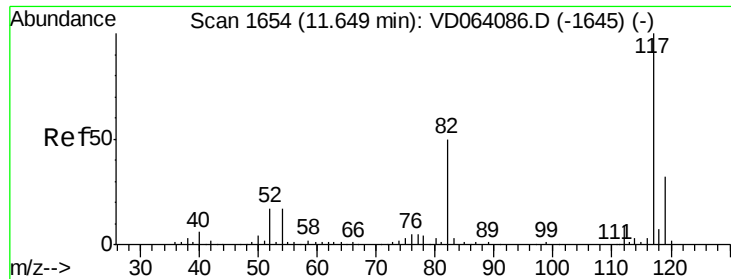
MMDadoda
 10/30/2019 10:58:04 AM



#62
 4-Bromofluorobenzene
 Concen: 9.544 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion: 95 Resp: 25000
 Ion Ratio Lower Upper
 95 100
 174 96.9 0.0 201.6
 176 92.5 0.0 192.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.65 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

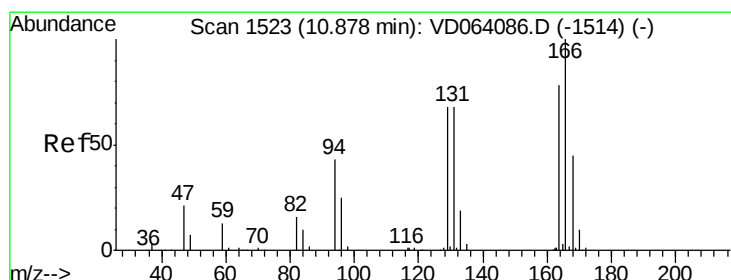
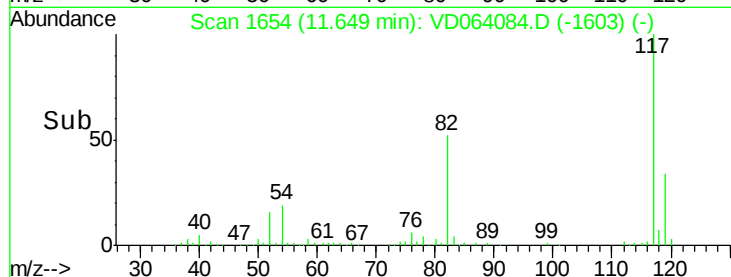
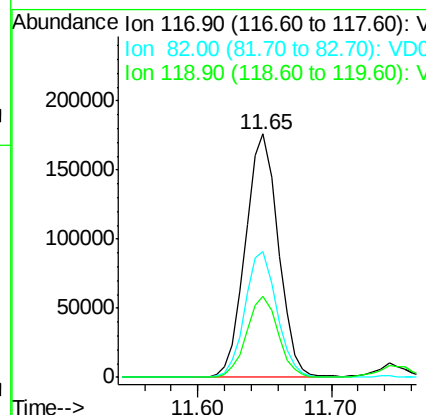
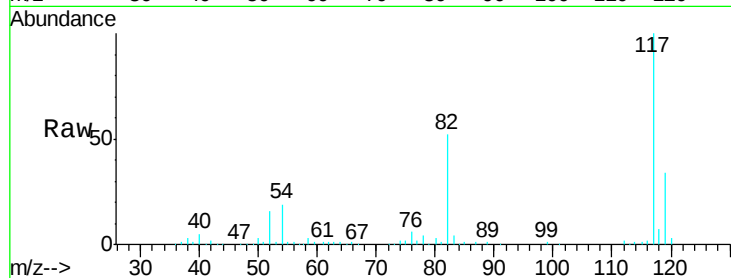
ClientSampleId :

VSTDIC010

Tgt Ion:	117	Resp:	300133
Ion Ratio	Lower	Upper	
117	100		
82	51.5	40.2	60.4
119	33.5	26.0	39.0

Manual Integrations
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#64

Tetrachloroethene

Concen: 10.069 ug/l

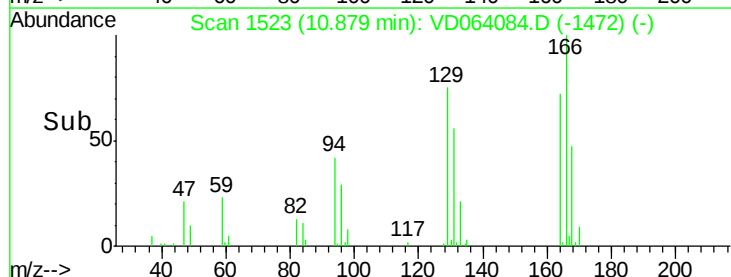
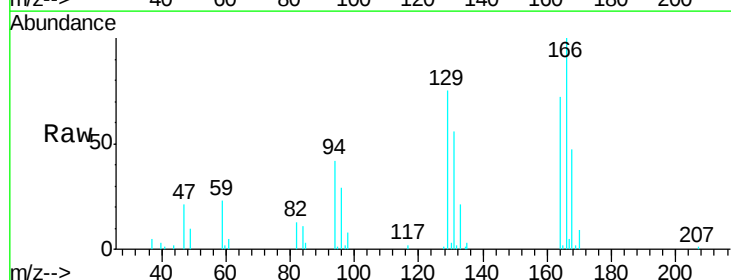
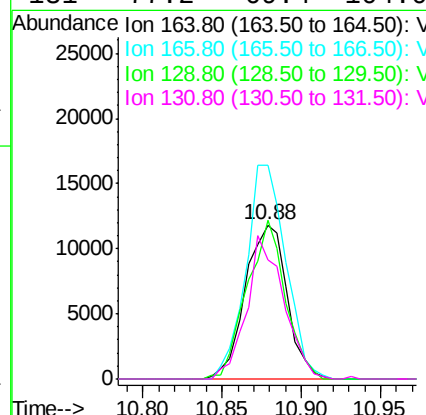
RT: 10.88 min Scan# 1523

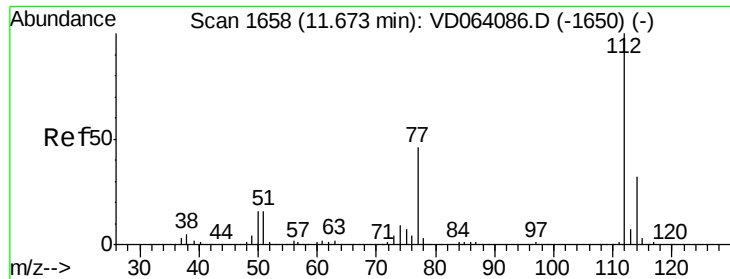
Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Tgt Ion:	164	Resp:	21710
Ion Ratio	Lower	Upper	
164	100		
166	138.5	102.7	154.1
129	103.4	69.8	104.6
131	77.2	69.4	104.0





#65

Chlorobenzene

Concen: 9.786 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion:112 Resp: 60687

Ion Ratio Lower Upper

112 100

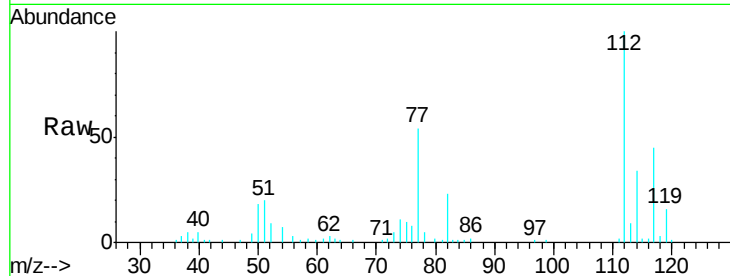
114 34.2 25.4 38.0

Manual Integrations

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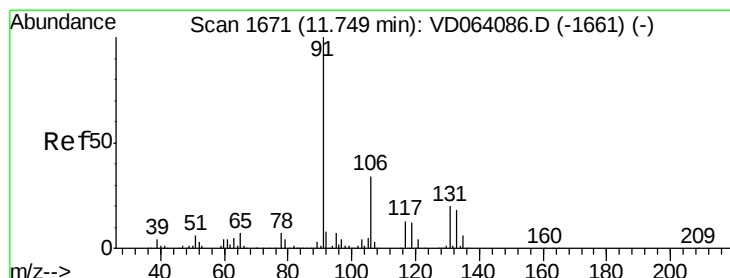
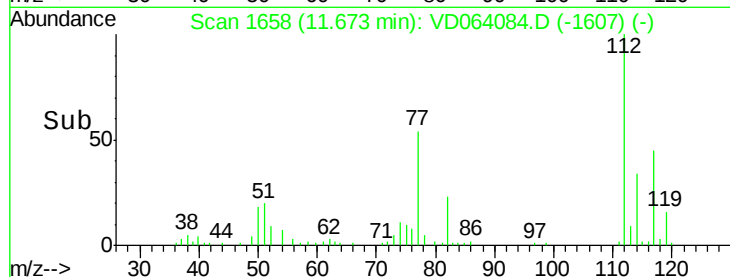
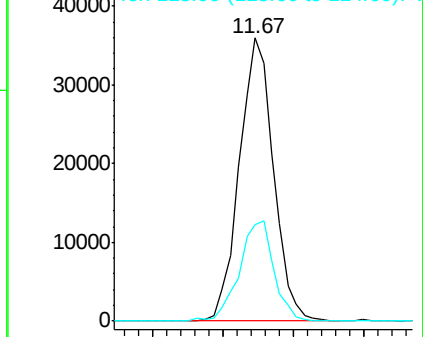
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 10.111 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

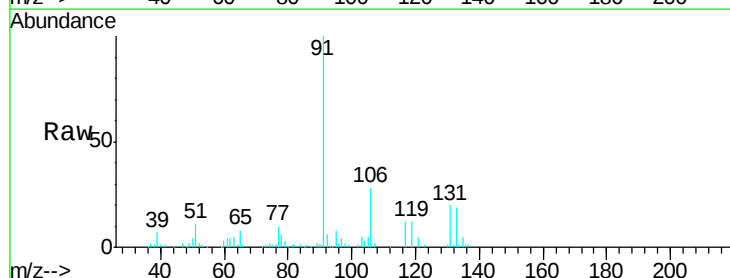
Tgt Ion:131 Resp: 23462

Ion Ratio Lower Upper

131 100

133 93.7 47.6 142.9

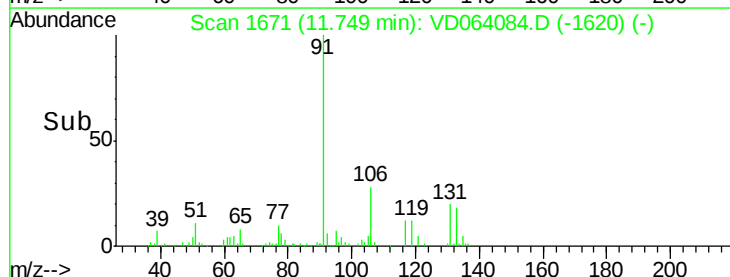
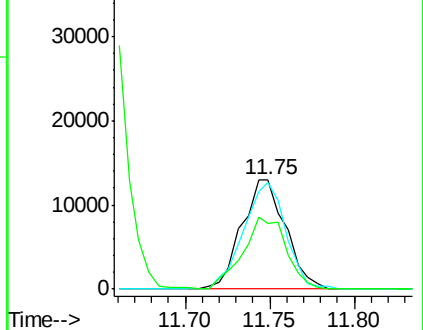
119 65.3 31.4 94.3

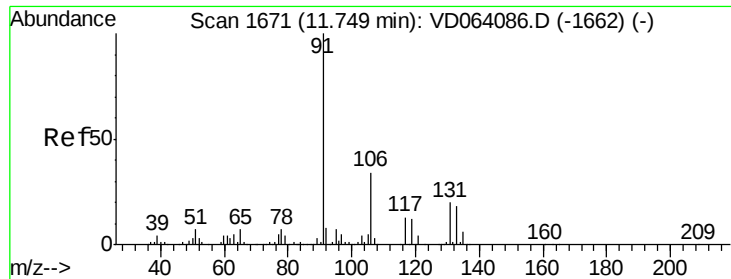


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 9.703 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 107022

Ion Ratio Lower Upper

91 100

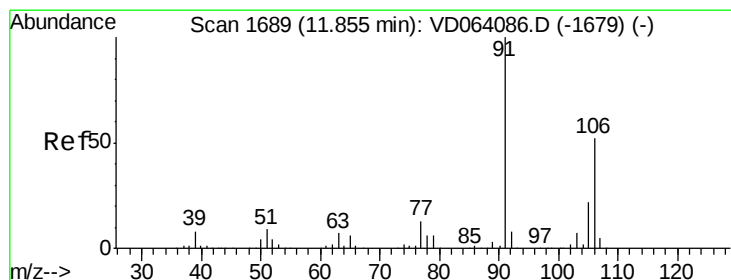
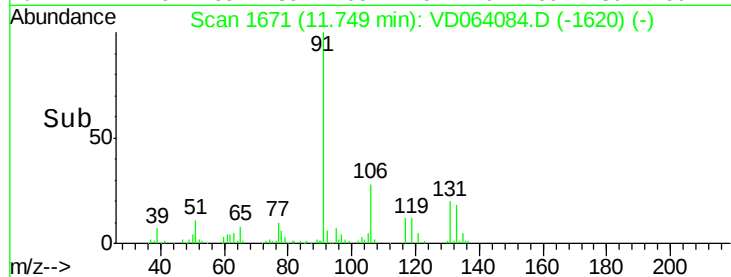
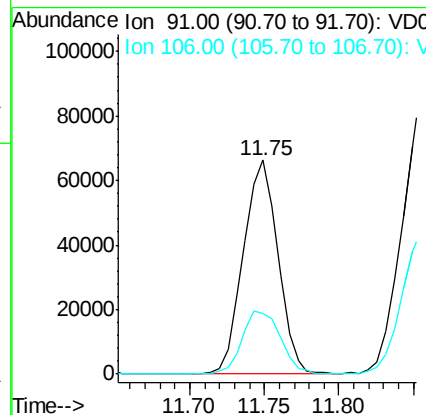
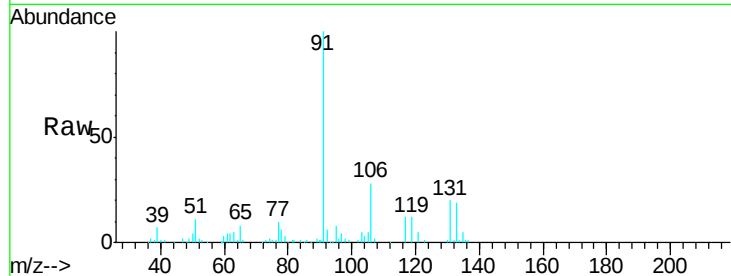
106 28.4 27.0 40.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 19.180 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064084.D

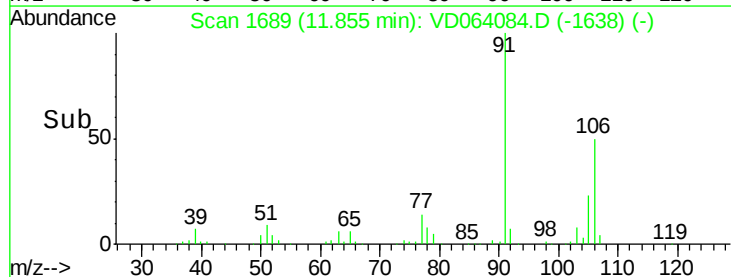
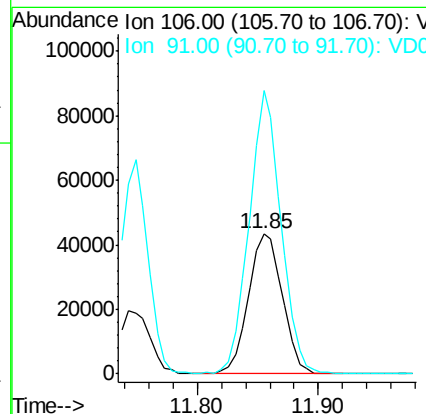
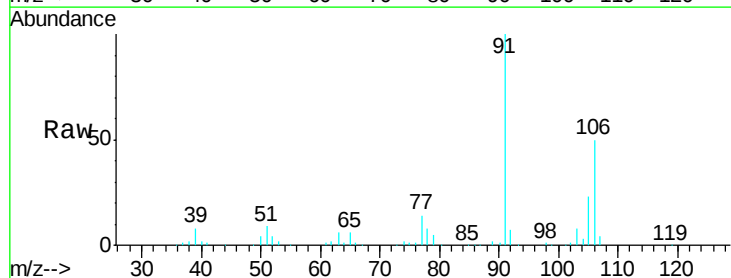
Acq: 29 Oct 2019 12:42

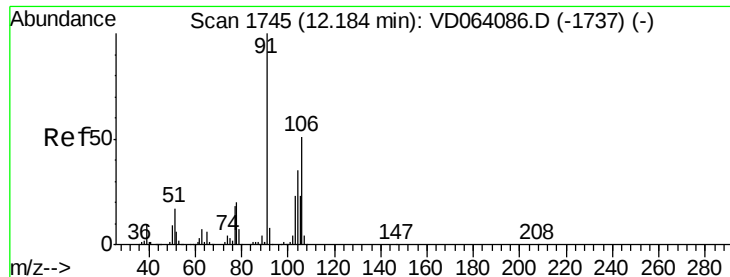
Tgt Ion: 106 Resp: 85093

Ion Ratio Lower Upper

106 100

91 189.4 154.0 231.0





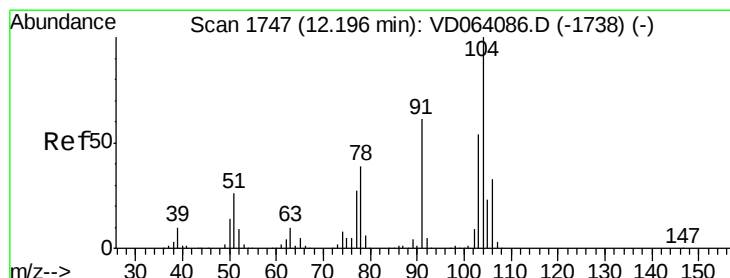
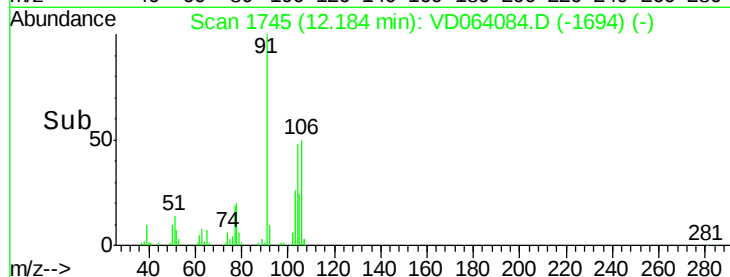
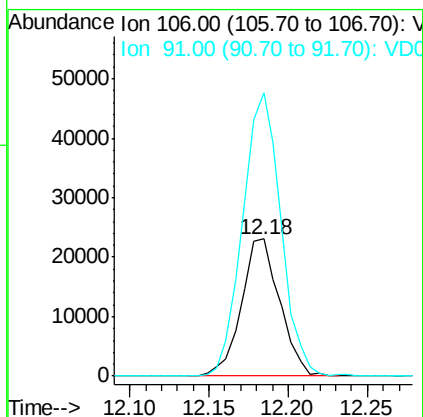
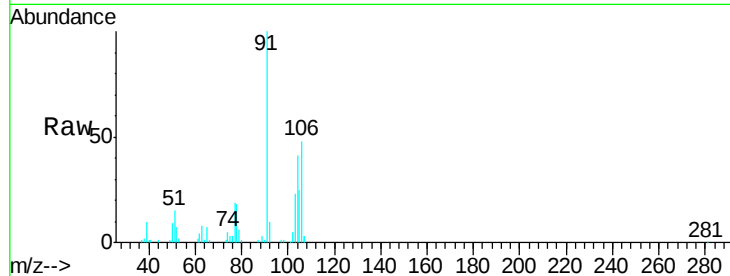
#69
o-Xylene
Concen: 9.555 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampled :
VSTDIC010

Tgt Ion:106 Resp: 38687
Ion Ratio Lower Upper
106 100
91 206.1 100.6 301.9

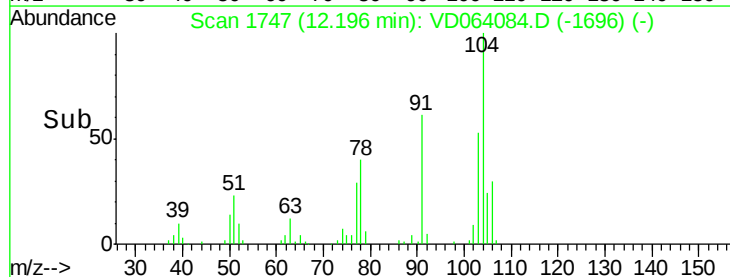
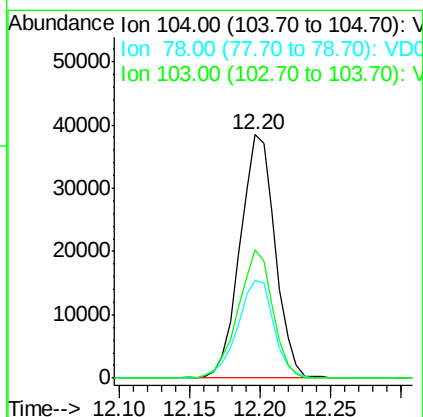
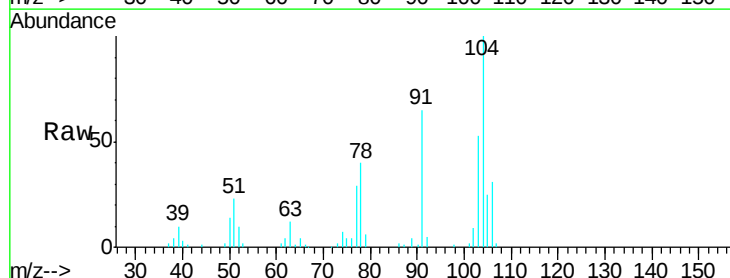
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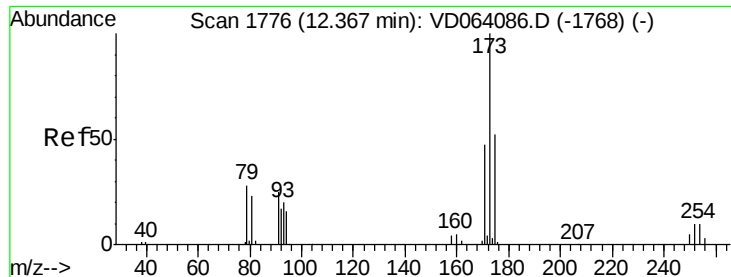
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#70
Styrene
Concen: 9.538 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion:104 Resp: 66605
Ion Ratio Lower Upper
104 100
78 41.7 34.6 51.8
103 51.8 44.2 66.2





#71

Bromoform

Concen: 10.066 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

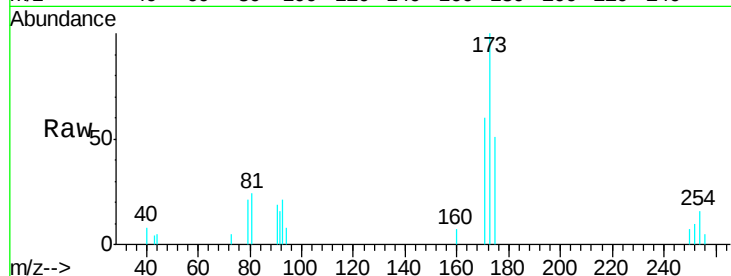
ClientSampleId :

VSTDIC010

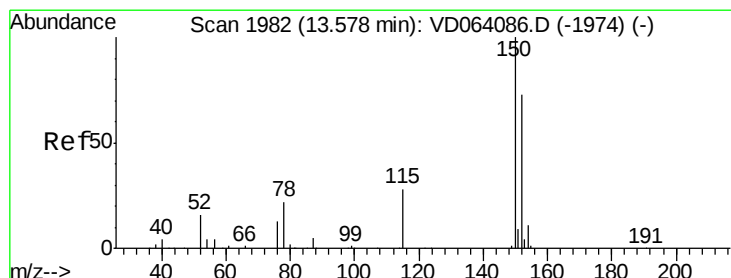
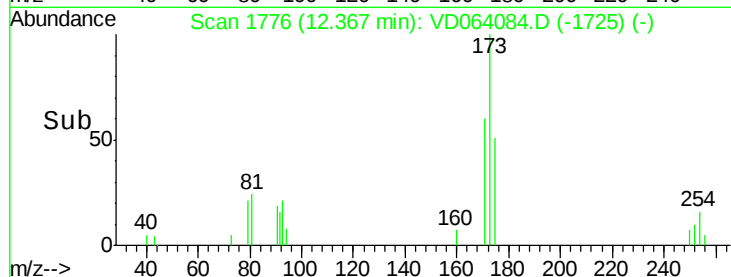
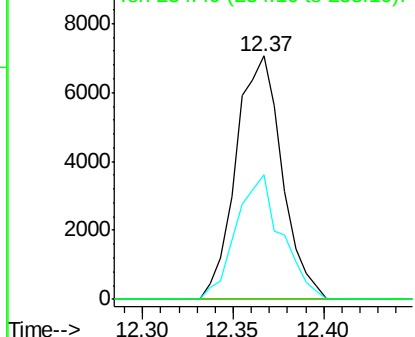
Tgt Ion:	173	Resp:	12474
Ion Ratio	Lower	Upper	
173	100		
175	50.2	24.3	72.9
254	0.0	0.0	0.0

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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

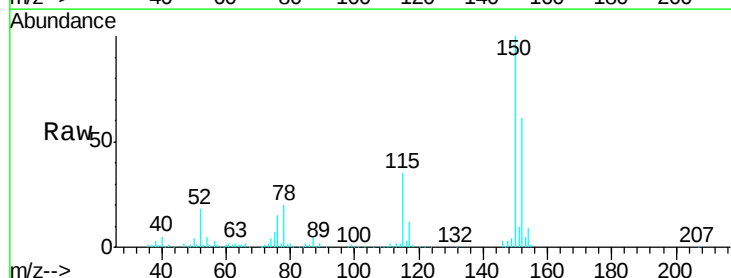
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

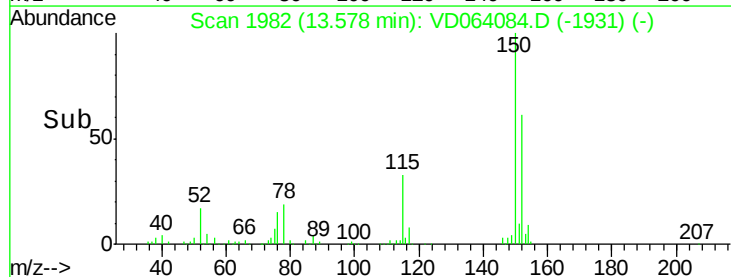
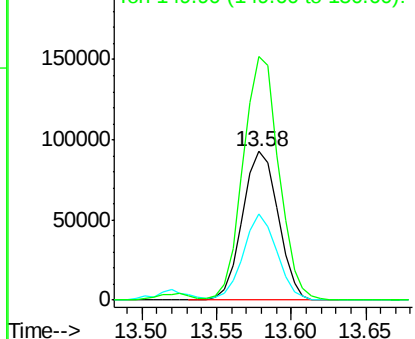
Lab File: VD064084.D

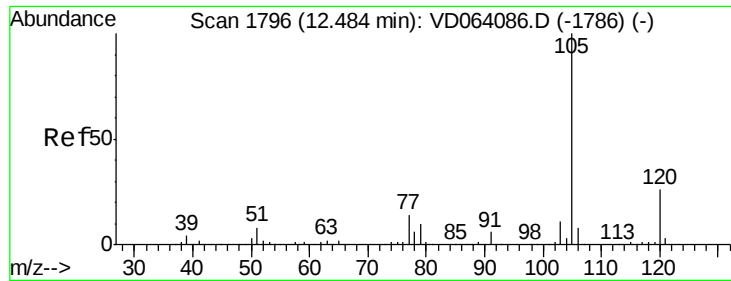
Acq: 29 Oct 2019 12:42

Tgt Ion:	152	Resp:	153801
Ion Ratio	Lower	Upper	
152	100		
115	55.0	26.2	78.6
150	163.2	0.0	338.8



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: 10.046 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 105 Resp: 107370

Ion Ratio Lower Upper

105 100

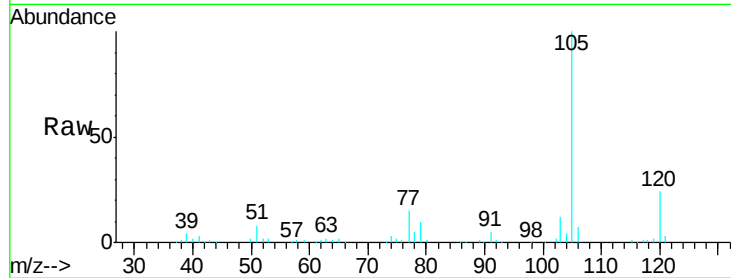
120 27.6 13.3 39.9

Manual Integrations

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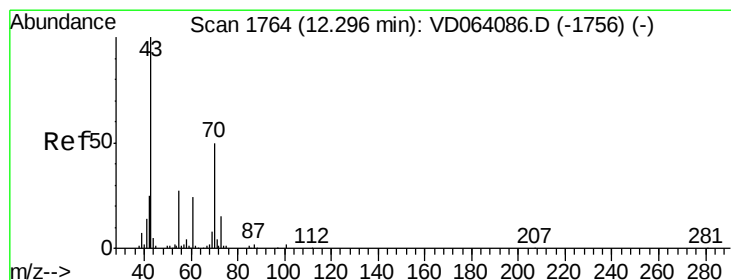
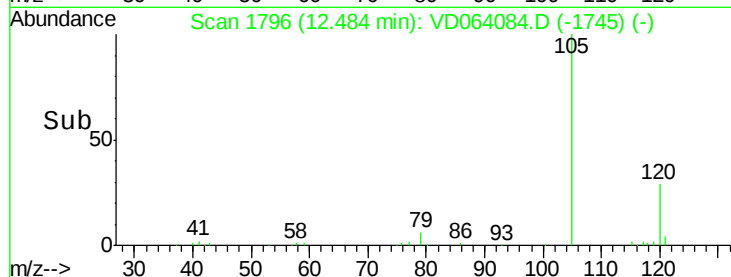
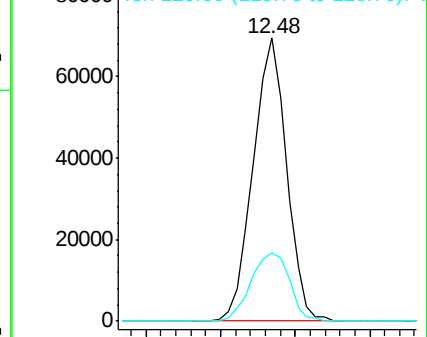
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 9.184 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Tgt Ion: 43 Resp: 16306

Ion Ratio Lower Upper

43 100

70 48.4 38.6 58.0

55 30.8 20.4 30.6#

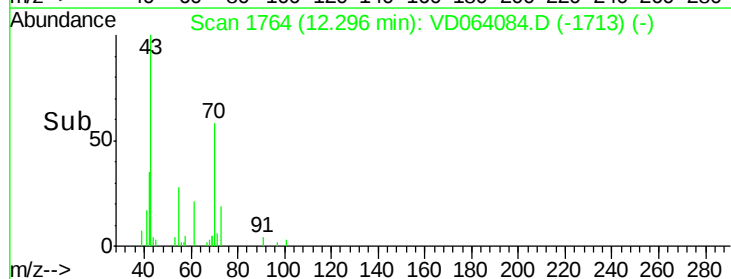
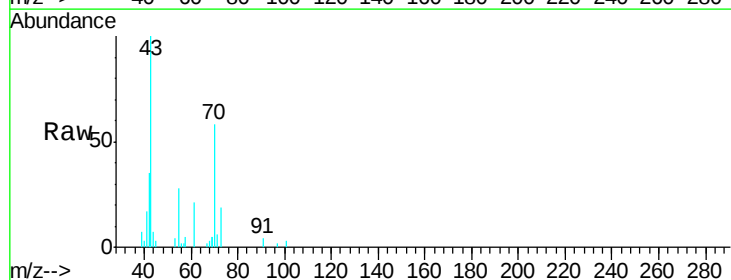
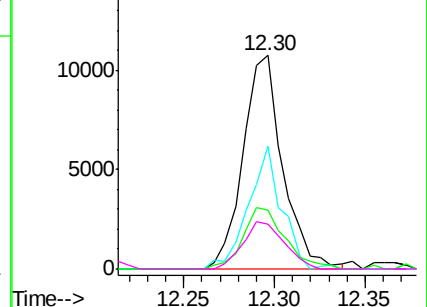
61 23.3 20.8 31.2

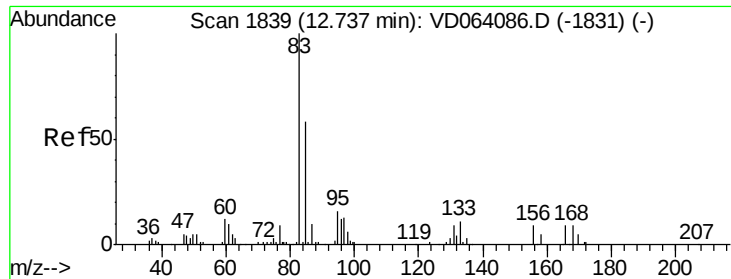
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 10.519 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

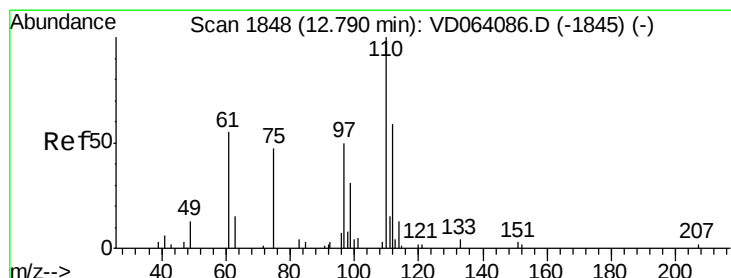
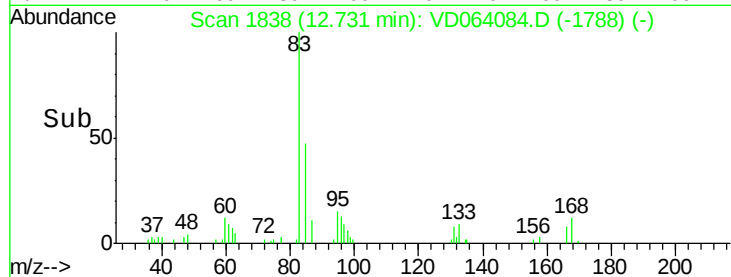
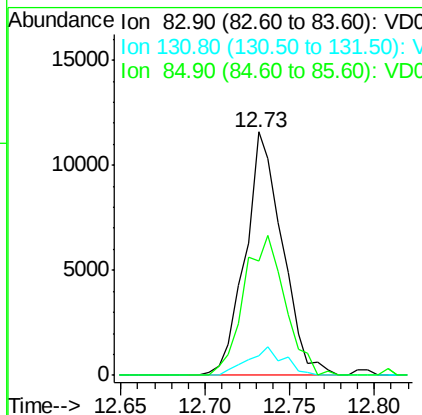
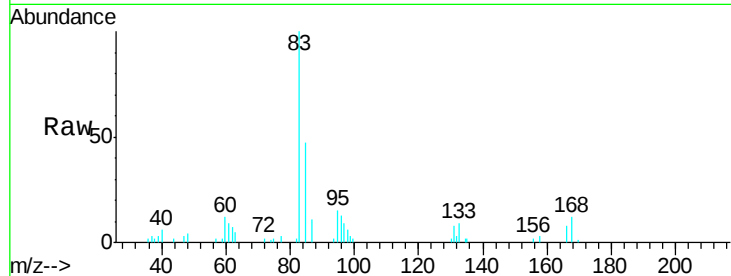
ClientSampleId :

VSTDIC010

Tgt Ion:	83	Resp:	17721
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.7	17.0
85	63.5	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.175 ug/l m

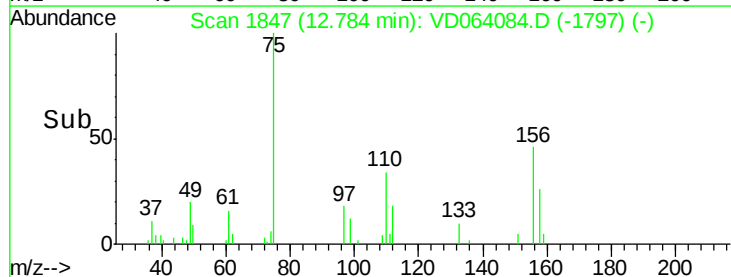
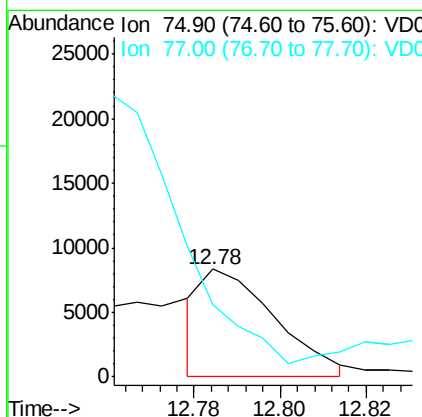
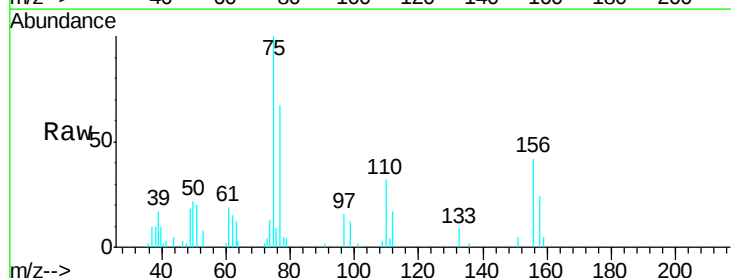
RT: 12.78 min Scan# 1847

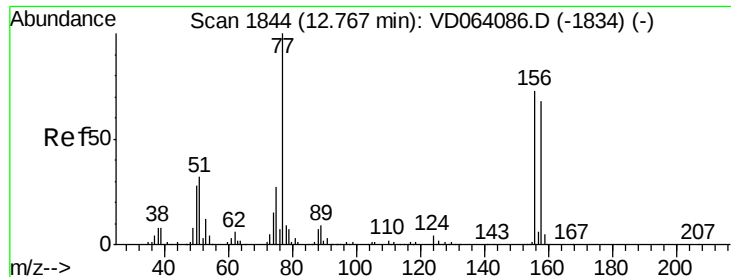
Delta R.T. -0.01 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Tgt Ion:	75	Resp:	9875
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 10.489 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

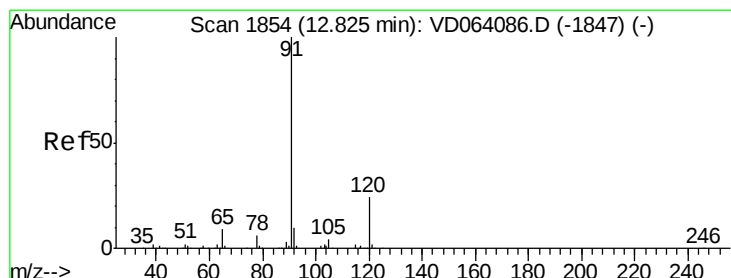
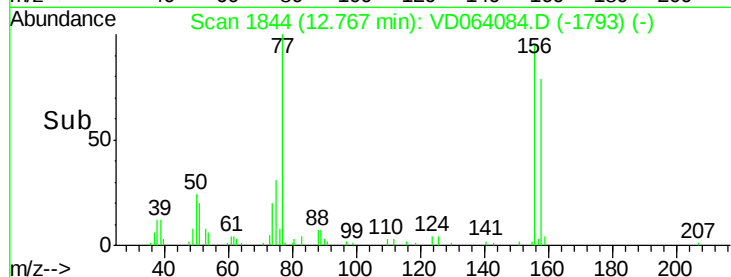
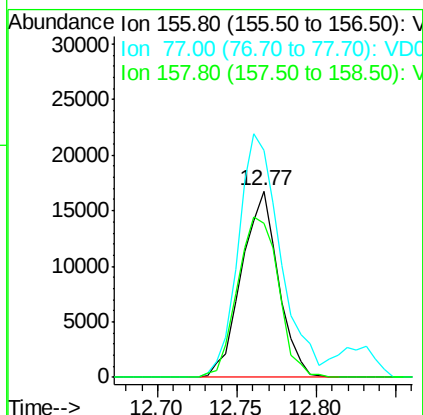
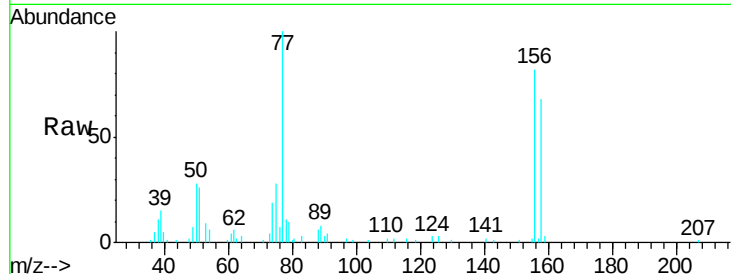
VSTDIC010

Tgt Ion: 156 Resp: 27066

Ion	Ratio	Lower	Upper
156	100		
77	149.1	76.0	228.0
158	95.8	47.6	142.8

Manual Integrations
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#78

n-propylbenzene

Concen: 9.739 ug/l

RT: 12.83 min Scan# 1854

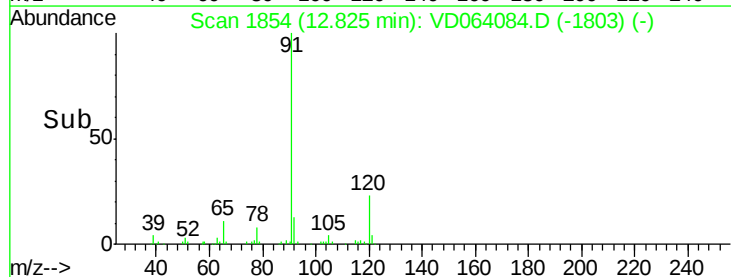
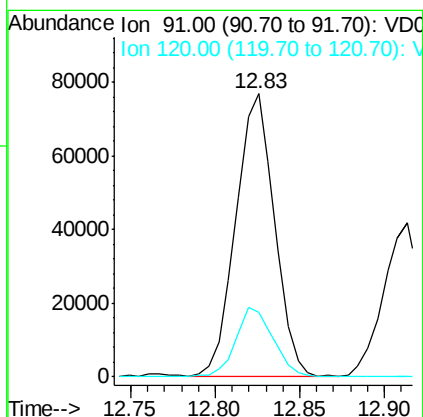
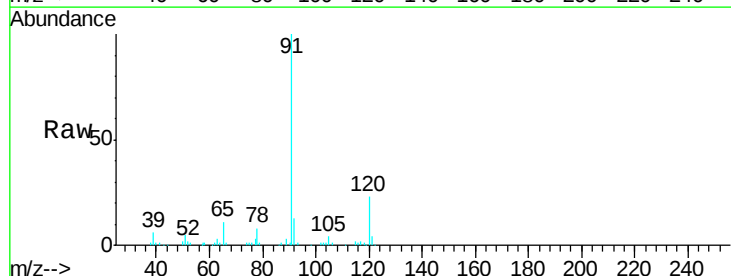
Delta R.T. 0.00 min

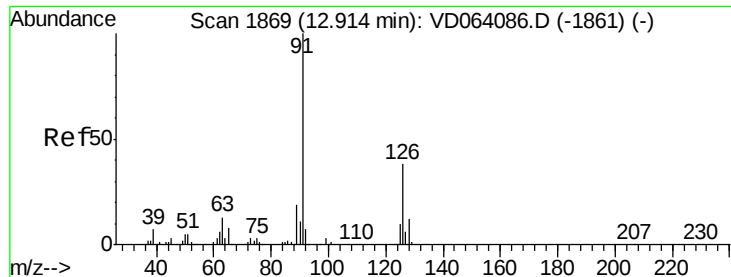
Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Tgt Ion: 91 Resp: 121983

Ion	Ratio	Lower	Upper
91	100		
120	23.8	12.1	36.3





#79

2-Chlorotoluene

Concen: 10.140 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064084.D

Acq: 29 Oct 2019 12:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 91 Resp: 68078

Ion Ratio Lower Upper

91 100

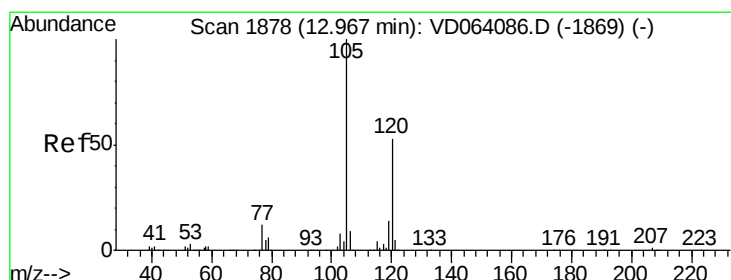
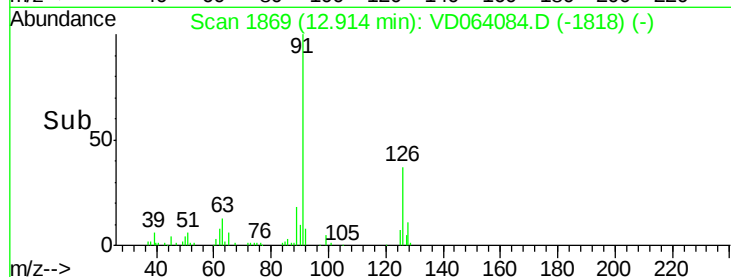
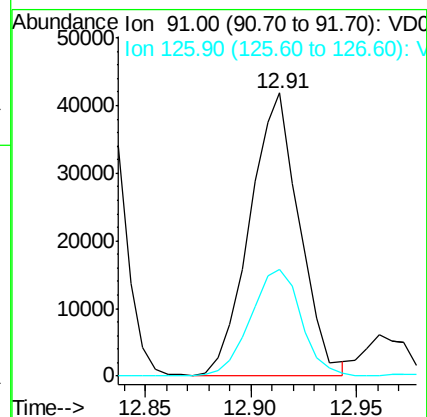
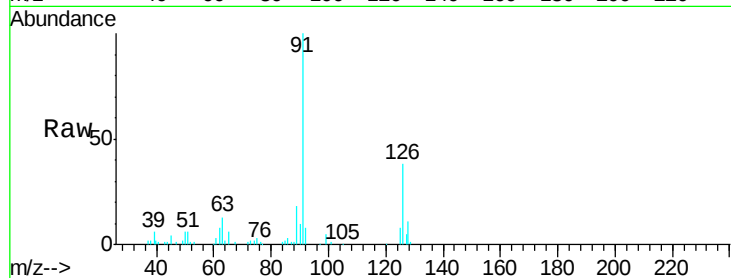
126 38.6 19.1 57.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 9.726 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064084.D

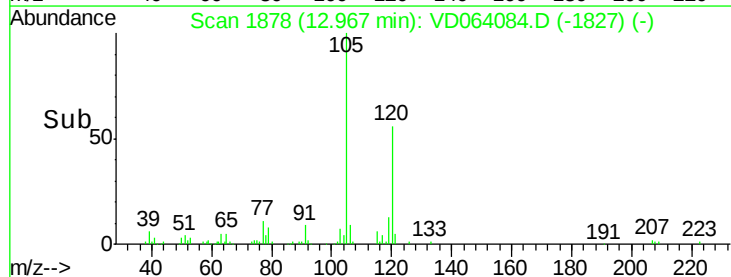
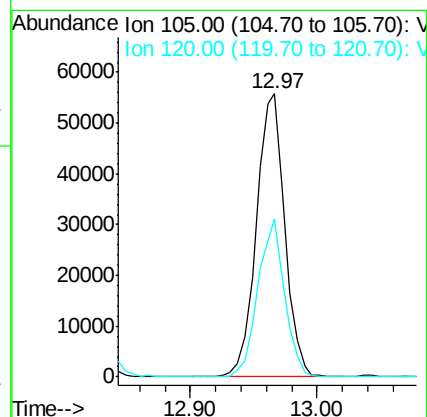
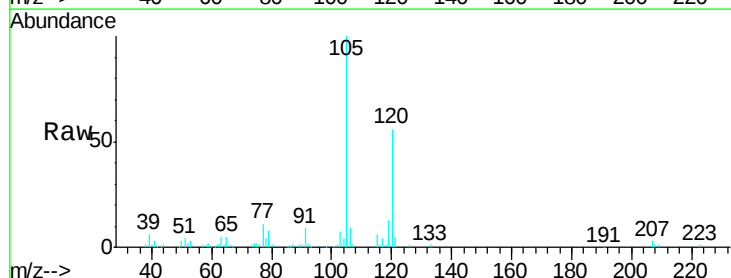
Acq: 29 Oct 2019 12:42

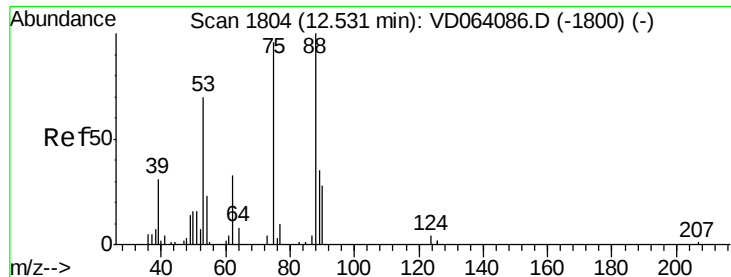
Tgt Ion: 105 Resp: 86994

Ion Ratio Lower Upper

105 100

120 52.7 25.8 77.4





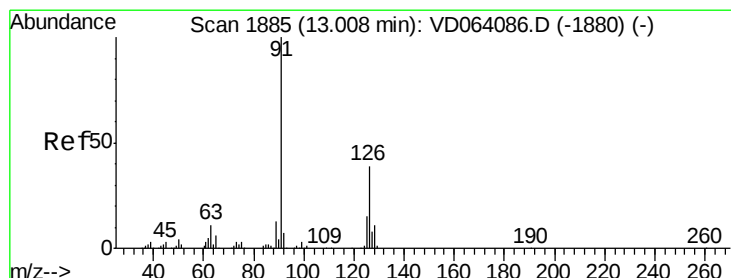
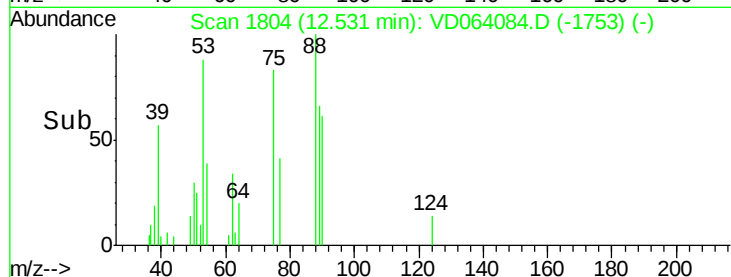
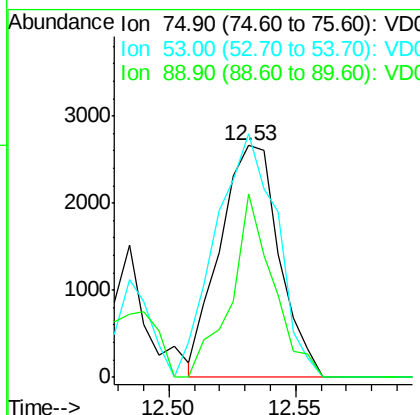
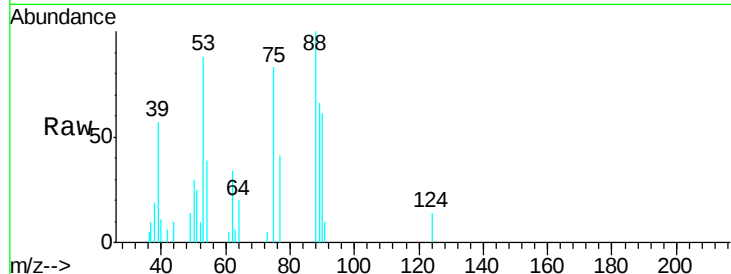
#81
trans-1,4-Dichloro-2-butene
Concen: 8.551 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
75	100		
53	108.2	68.6	103.0#
89	56.1	36.9	55.3#

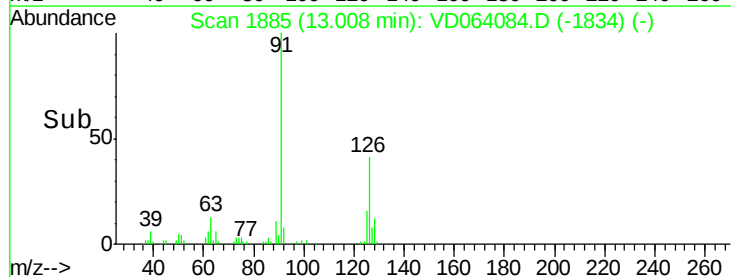
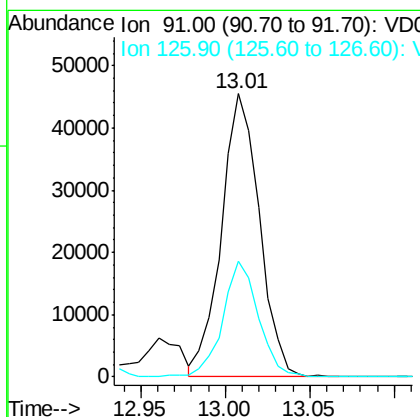
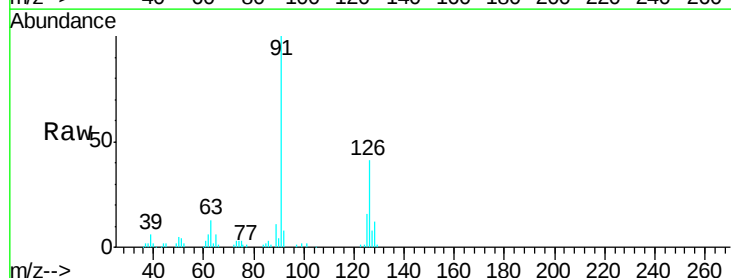
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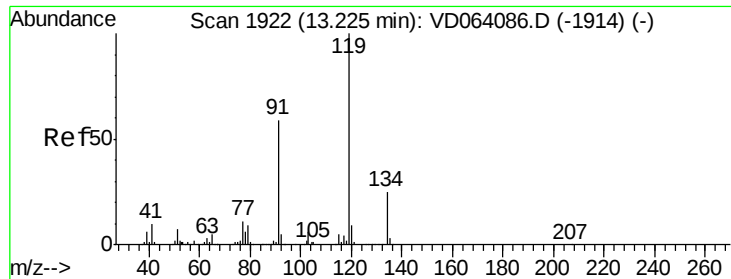
MMDadoda
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#82
4-Chlorotoluene
Concen: 9.910 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.3	18.9	56.5





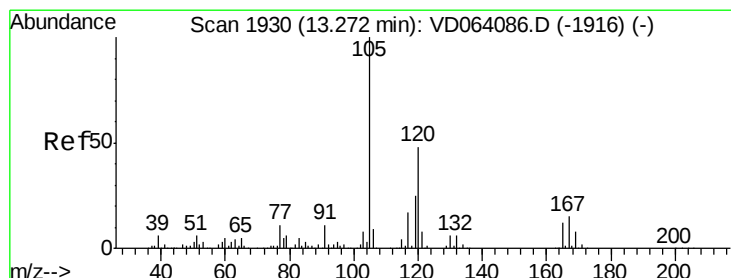
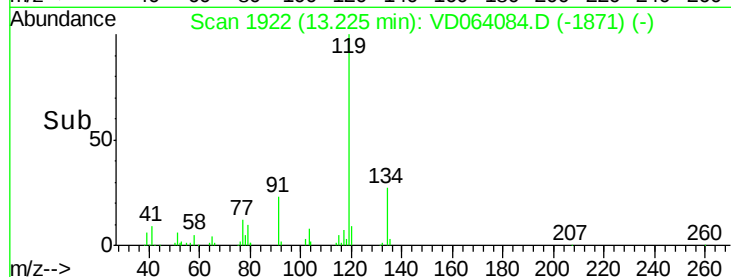
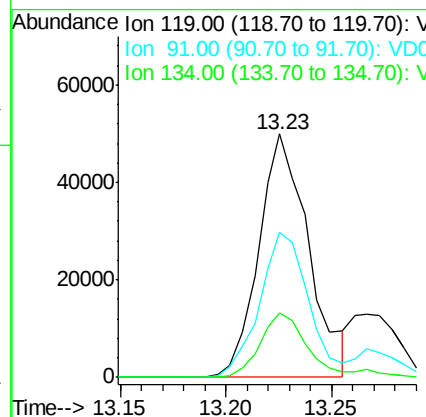
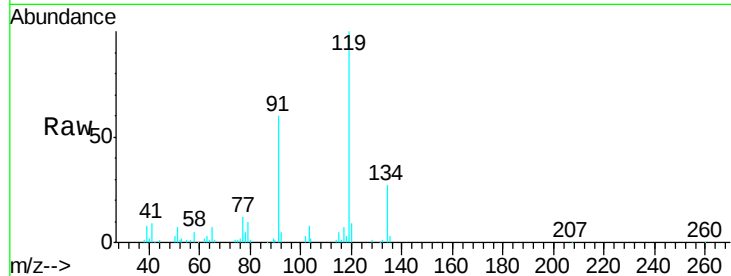
#83
 tert-Butylbenzene
 Concen: 10.200 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
119	100		
91	58.5	28.3	85.0
134	26.4	12.9	38.6

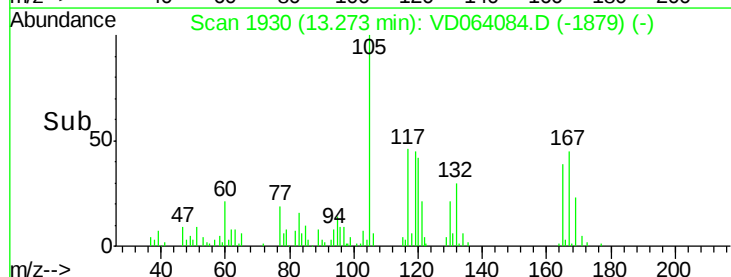
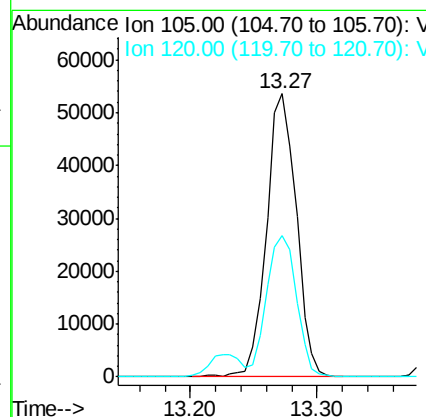
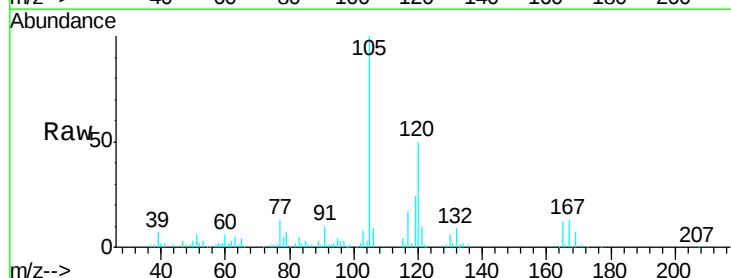
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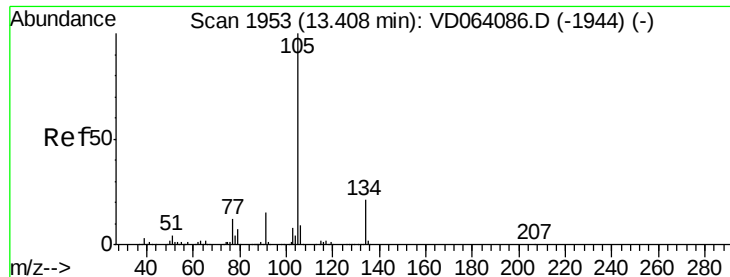
MMDadoda
 10/30/2019 10:58:04 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 9.755 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.6	24.1	72.4





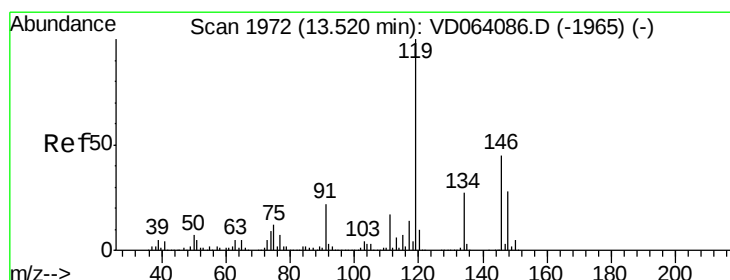
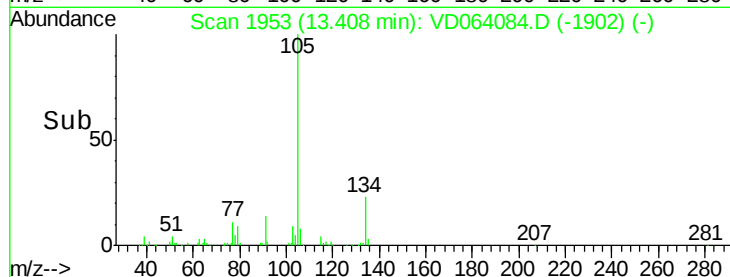
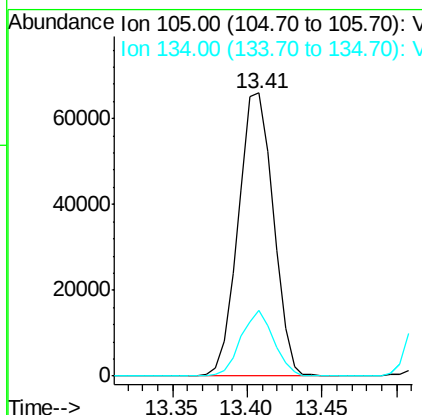
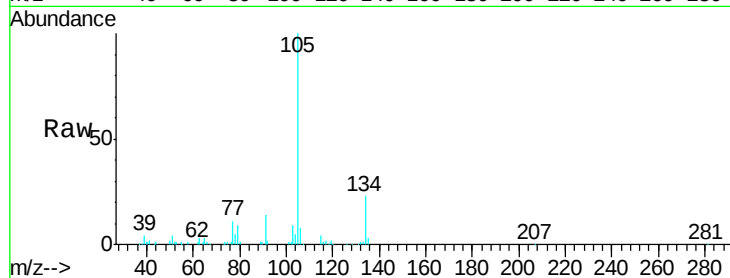
#85
 sec-Butylbenzene
 Concen: 9.753 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:105 Resp: 107602
 Ion Ratio Lower Upper
 105 100
 134 21.5 10.4 31.2

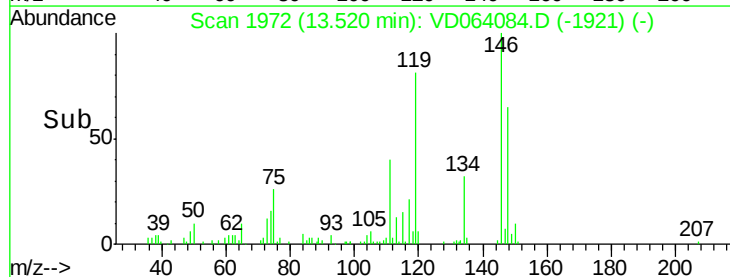
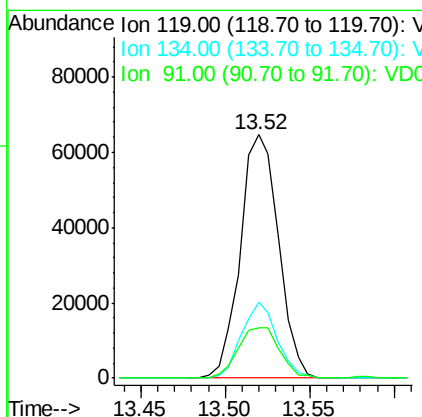
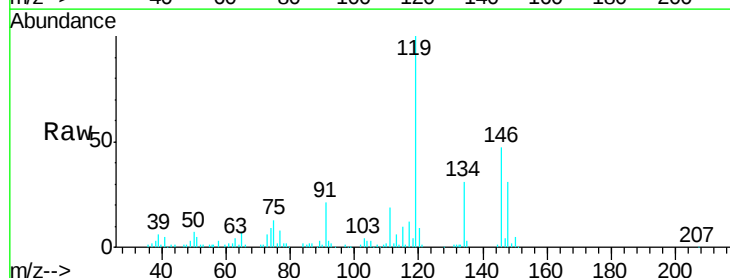
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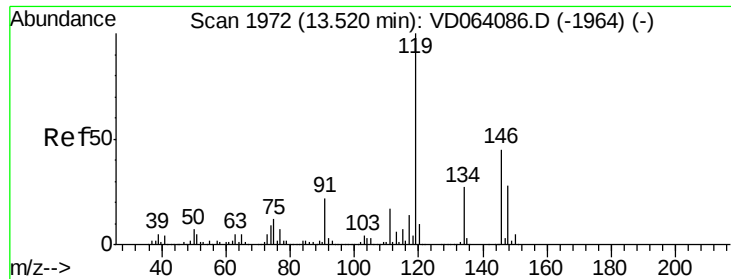
MMDadoda
 10/30/2019 10:58:04 AM



#86
 p-Isopropyltoluene
 Concen: 9.812 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion:119 Resp: 101712
 Ion Ratio Lower Upper
 119 100
 134 29.1 13.6 40.8
 91 22.9 10.9 32.6





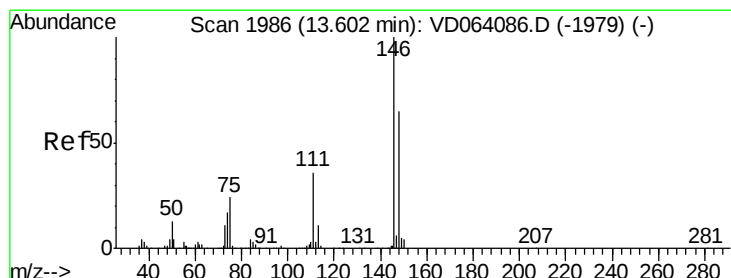
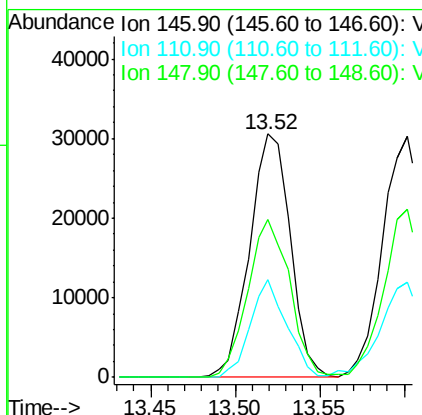
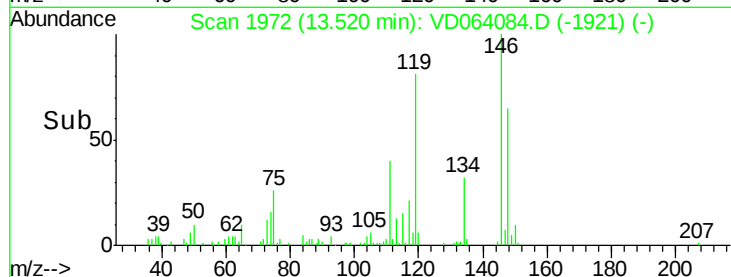
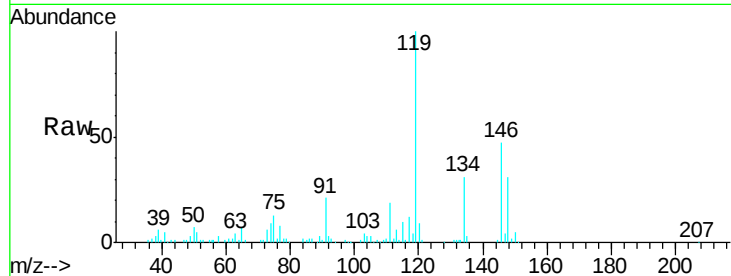
#87
 1,3-Dichlorobenzene
 Concen: 9.885 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.9	56.9
148	67.3	32.1	96.3

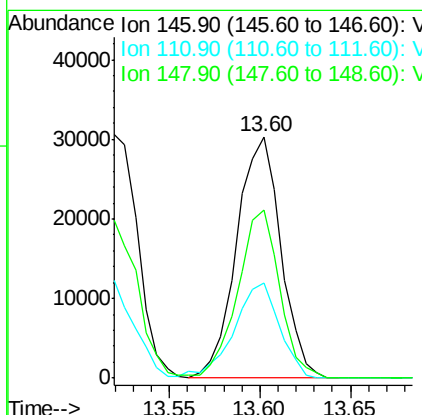
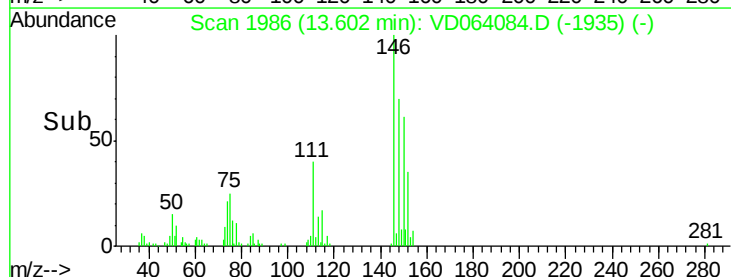
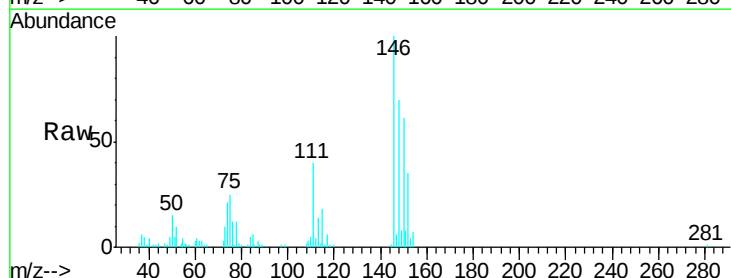
Manual Integrations
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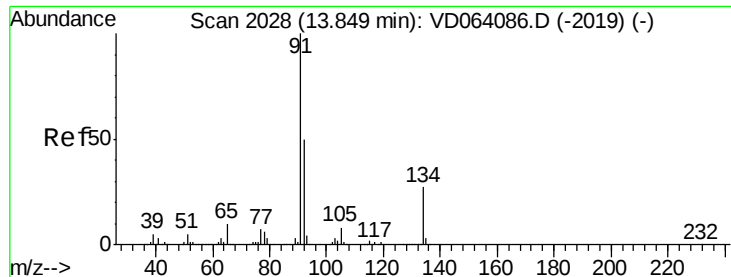
MMDadoda
 10/30/2019 10:58:04 AM



#88
 1,4-Dichlorobenzene
 Concen: 10.084 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.5	18.4	55.4
148	66.0	32.4	97.0





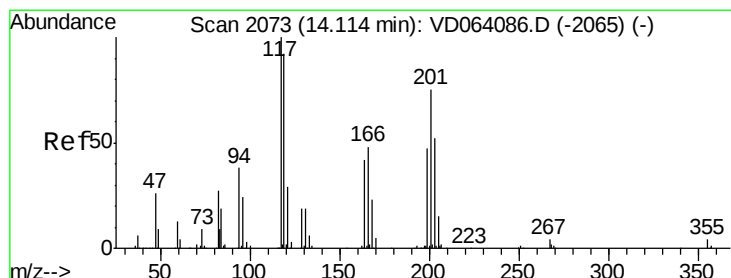
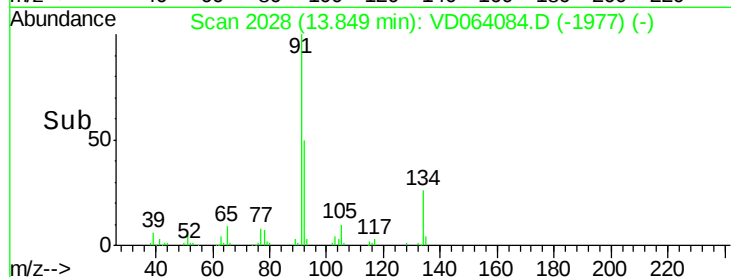
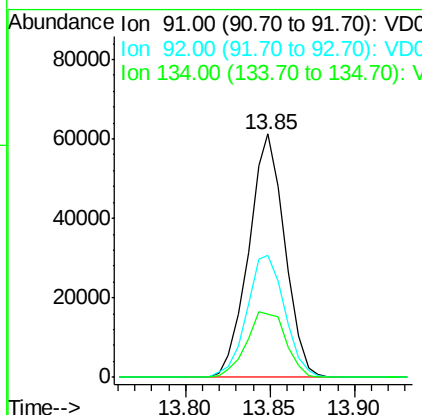
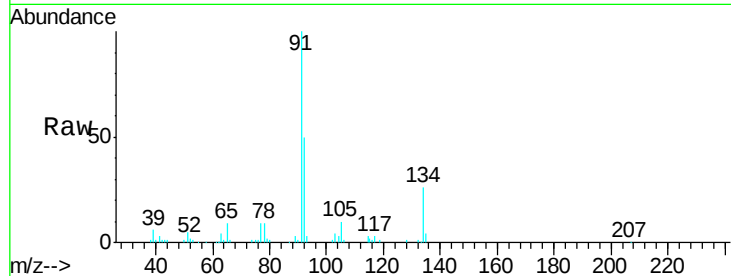
#89
n-Butylbenzene
Concen: 9.481 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.9	25.6	76.6
134	29.4	14.0	42.0

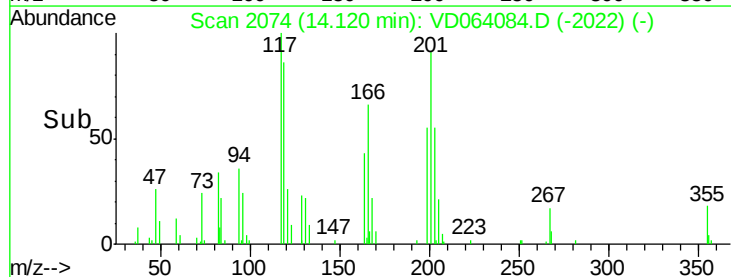
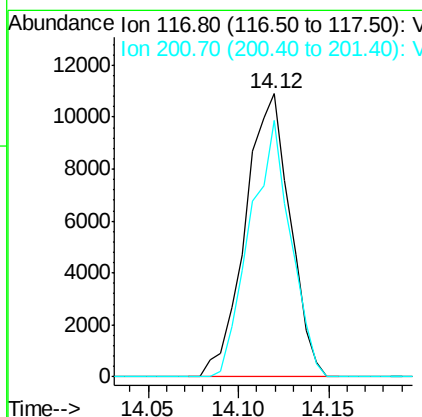
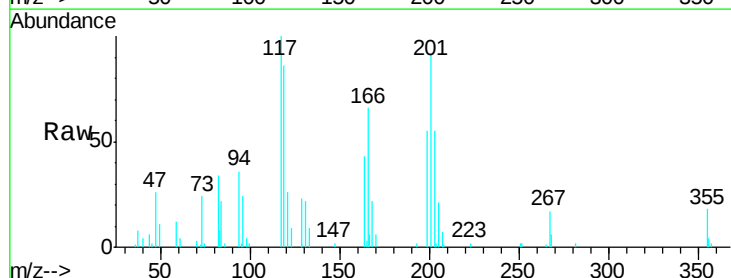
Manual Integrations
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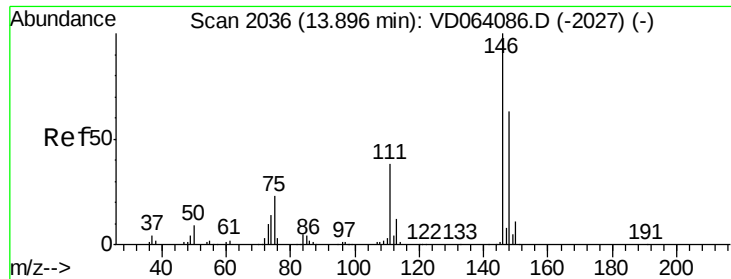
MMDadoda
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#90
Hexachloroethane
Concen: 9.654 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	38.4	115.2





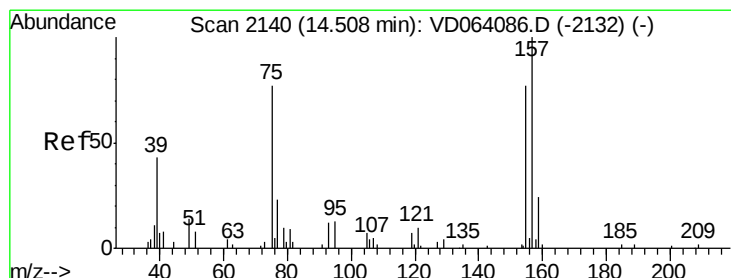
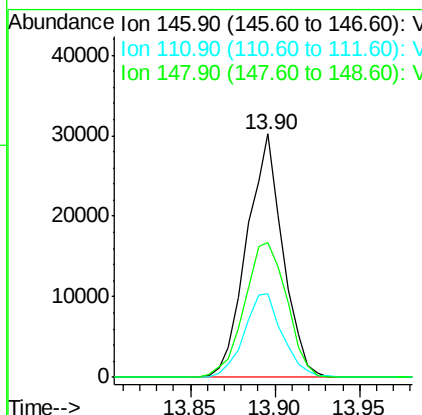
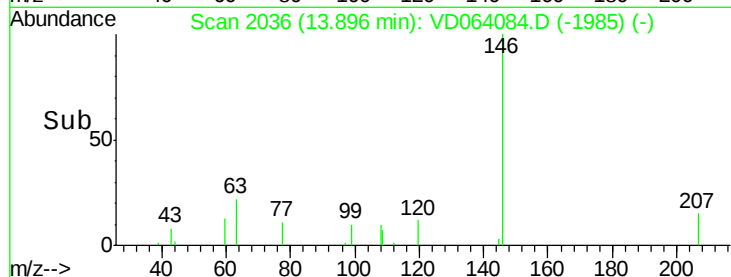
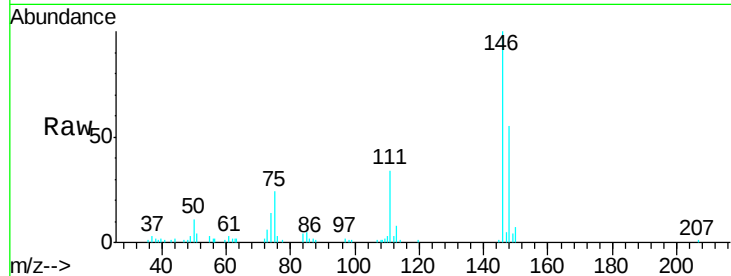
#91
 1,2-Dichlorobenzene
 Concen: 10.086 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	19.1	57.1
148	65.1	32.1	96.5

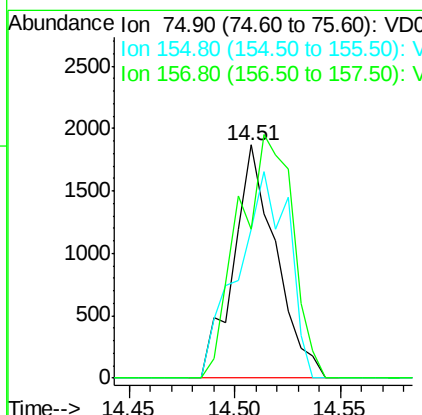
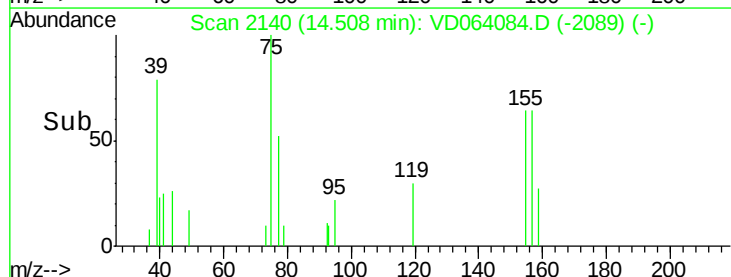
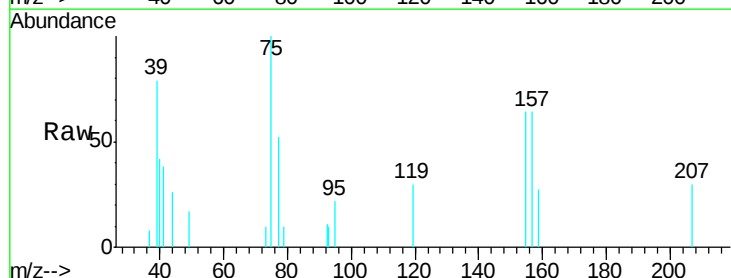
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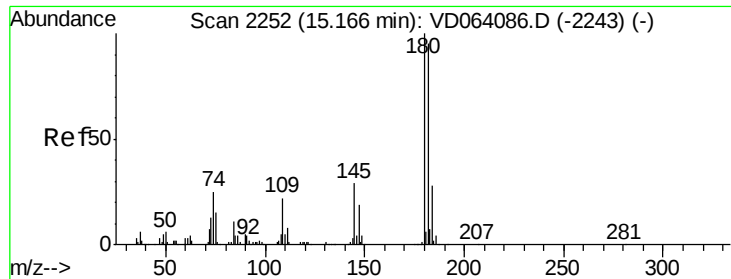
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 10.564 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	106.2	56.3	168.9
157	133.2	72.2	216.6





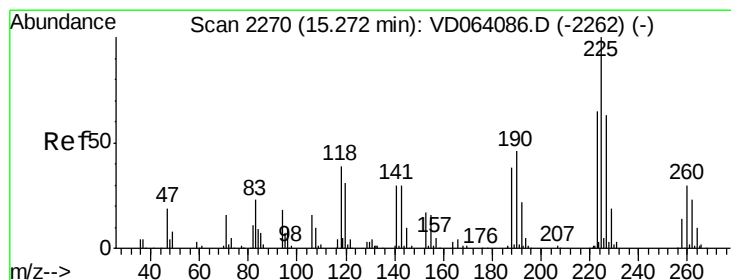
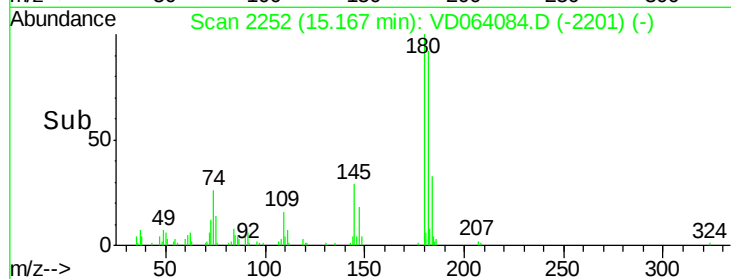
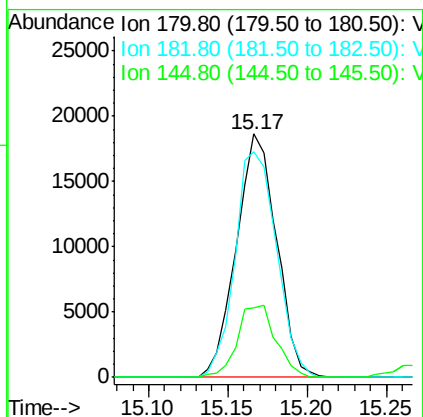
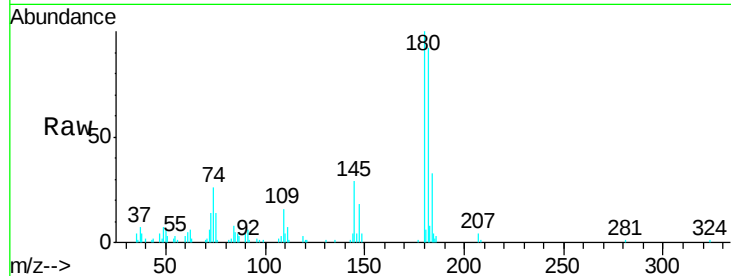
#93
 1,2,4-Trichlorobenzene
 Concen: 10.269 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	32851		
182	95.9	46.9	140.7	
145	28.3	14.2	42.6	

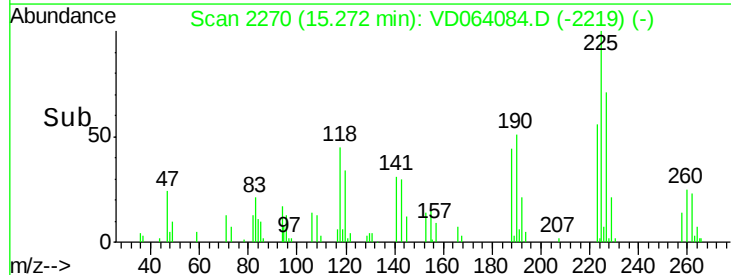
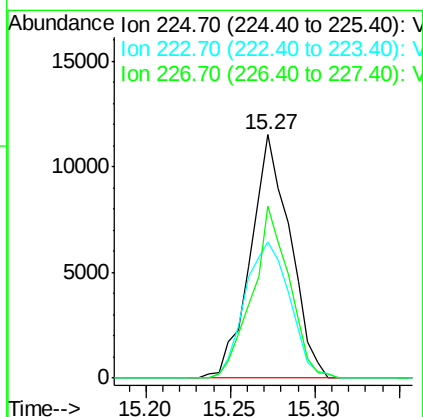
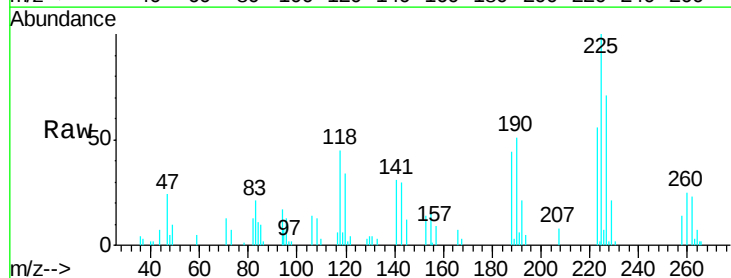
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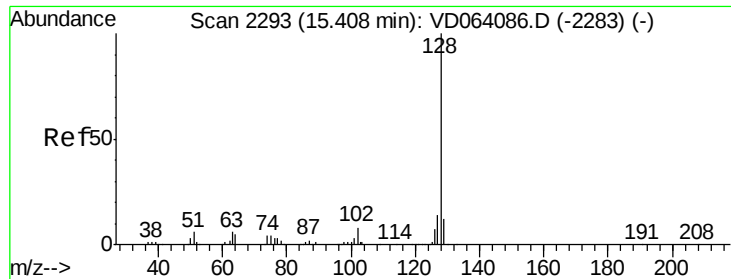
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#94
 Hexachlorobutadiene
 Concen: 10.053 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064084.D
 Acq: 29 Oct 2019 12:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	18795		
223	63.3	30.8	92.3	
227	65.8	31.7	95.1	





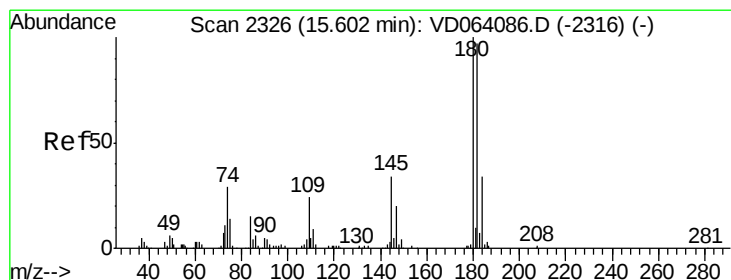
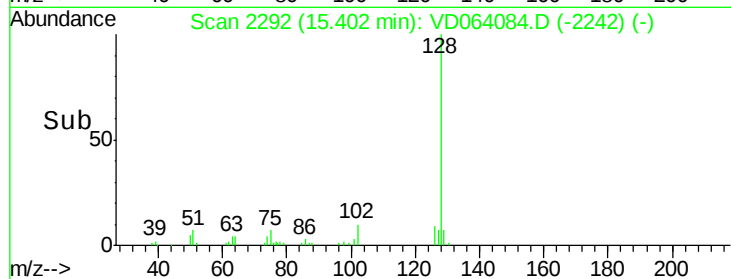
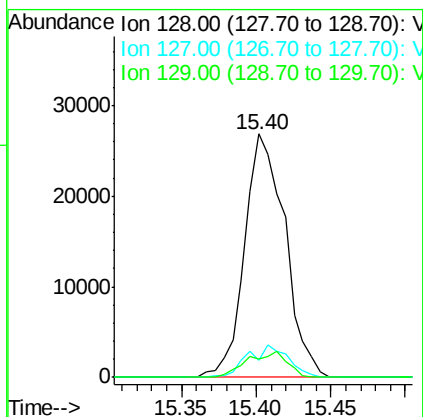
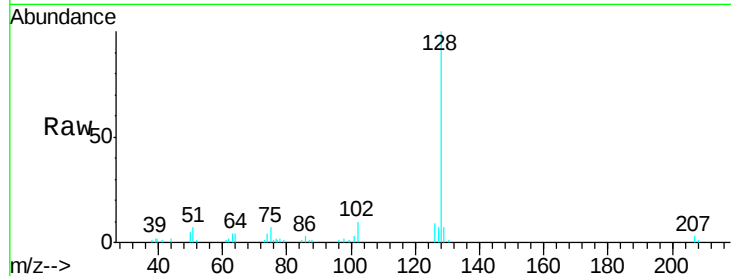
#95
Naphthalene
Concen: 9.598 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.9	16.3
129	10.7	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 10.623 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064084.D
Acq: 29 Oct 2019 12:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	48.4	145.0
145	31.4	16.4	49.4

