

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100219\
 Data File : VD063864.D
 Acq On : 02 Oct 2019 17:17
 Operator : VA/SY
 Sample : VSTDIC020
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:54:59 PM

Quant Time: Oct 03 04:02:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 03 03:24:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	204094	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	320951	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	320589	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	169526	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	34892	18.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.04%	
35) Dibromofluoromethane	7.93	113	36341	18.00	ug/l	0.01
Spiked Amount	50.000		Recovery	=	36.00%	
50) Toluene-d8	10.34	98	145942	19.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	38.18%	
62) 4-Bromofluorobenzene	12.63	95	51346	18.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.28%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.99	85	26575	18.655	ug/l	96
3) Chloromethane	2.21	50	91920	21.342	ug/l	98
4) Vinyl Chloride	2.35	62	100008	22.696	ug/l	99
5) Bromomethane	2.76	94	59819	22.962	ug/l	97
6) Chloroethane	2.91	64	65069	21.503	ug/l	91
7) Trichlorofluoromethane	3.26	101	129380	21.970	ug/l	96
8) Diethyl Ether	3.70	74	18330	18.810	ug/l	88
9) 1,1,2-Trichlorotrifluoroet	4.09	101	33798	19.635	ug/l	98
10) Methyl Iodide	4.29	142	46839	22.350	ug/l	98
11) Tert butyl alcohol	5.26	59	13922	91.611	ug/l #	71
12) 1,1-Dichloroethene	4.06	96	33492	19.206	ug/l	81
13) Acrolein	3.92	56	18731	102.574	ug/l	96
14) Allyl chloride	4.70	41	61068	21.921	ug/l	96
15) Acrylonitrile	5.43	53	45136	106.231	ug/l	99
16) Acetone	4.17	43	44058	95.967	ug/l #	75
17) Carbon Disulfide	4.40	76	123601	20.792	ug/l #	94
18) Methyl Acetate	4.72	43	21503	20.144	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	86495	19.703	ug/l	99
20) Methylene Chloride	4.96	84	51560	19.693	ug/l	86
21) trans-1,2-Dichloroethene	5.47	96	41388	20.213	ug/l	88
22) Diisopropyl ether	6.37	45	119865	20.974	ug/l	98
23) Vinyl Acetate	6.31	43	358780	105.541	ug/l	100
24) 1,1-Dichloroethane	6.26	63	73307	21.010	ug/l	97
25) 2-Butanone	7.23	43	57699	98.987	ug/l	98
26) 2,2-Dichloropropane	7.21	77	63072	19.543	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	46266	20.240	ug/l	97
28) Bromochloromethane	7.56	49	21198	15.798	ug/l	96
29) Tetrahydrofuran	7.57	42	36884	108.294	ug/l	92
30) Chloroform	7.71	83	81294	21.562	ug/l	92
31) Cyclohexane	7.98	56	67290	19.648	ug/l #	95
32) 1,1,1-Trichloroethane	7.90	97	66386	19.527	ug/l	99
36) 1,1-Dichloropropene	8.11	75	60618	20.884	ug/l	98
37) Ethyl Acetate	7.30	43	27220	21.970	ug/l #	93
38) Carbon Tetrachloride	8.10	117	59352	19.782	ug/l #	92

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	72642	20.155	ug/l	95
40) Benzene	8.36	78	171965	21.368	ug/l	93
41) Methacrylonitrile	7.54	41	15642	22.326	ug/l	84
42) 1,2-Dichloroethane	8.43	62	50086	21.245	ug/l	97
43) Isopropyl Acetate	8.46	43	51558	21.091	ug/l	96
44) Trichloroethene	9.11	130	49968	21.398	ug/l	97
45) 1,2-Dichloropropane	9.39	63	41189	20.687	ug/l	99
46) Dibromomethane	9.47	93	23196	20.605	ug/l	97
47) Bromodichloromethane	9.67	83	60972	21.086	ug/l	94
48) Methyl methacrylate	9.46	41	24972	22.411	ug/l	95
49) 1,4-Dioxane	9.47	88	6177	387.375	ug/l #	81
51) 4-Methyl-2-Pentanone	10.23	43	131381	105.967	ug/l	96
52) Toluene	10.40	92	116202	21.247	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	60064	20.942	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	68367	21.049	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	33268	20.990	ug/l	96
56) Ethyl methacrylate	10.66	69	42162	20.863	ug/l	97
57) 1,3-Dichloropropane	10.95	76	57808	21.323	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	82174	91.016	ug/l	97
59) 2-Hexanone	10.98	43	93101	103.546	ug/l	98
60) Dibromochloromethane	11.14	129	42101	20.106	ug/l	98
61) 1,2-Dibromoethane	11.25	107	32713	20.572	ug/l	95
64) Tetrachloroethene	10.88	164	41620	19.455	ug/l	95
65) Chlorobenzene	11.67	112	129223	20.145	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	45288	19.243	ug/l	98
67) Ethyl Benzene	11.74	91	236760	20.538	ug/l	100
68) m/p-Xylenes	11.86	106	175305	39.403	ug/l	95
69) o-Xylene	12.18	106	84767	20.242	ug/l	97
70) Styrene	12.19	104	143797	20.216	ug/l	98
71) Bromoform	12.36	173	24465	18.797	ug/l #	92
73) Isopropylbenzene	12.48	105	231794	20.215	ug/l	98
74) N-amyl acetate	12.29	43	51590	20.489	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	38822	20.230	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	17073m	13.355	ug/l	
77) Bromobenzene	12.76	156	55508	20.034	ug/l	98
78) n-propylbenzene	12.82	91	268613	19.894	ug/l	98
79) 2-Chlorotoluene	12.91	91	147970	20.341	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	189495	19.836	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13397	20.879	ug/l	94
82) 4-Chlorotoluene	13.00	91	158896	20.403	ug/l	96
83) tert-Butylbenzene	13.23	119	167242	19.957	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	198507	20.461	ug/l	97
85) sec-Butylbenzene	13.40	105	231980	19.972	ug/l	98
86) p-Isopropyltoluene	13.51	119	215762	19.830	ug/l	98
87) 1,3-Dichlorobenzene	13.51	146	109030	20.080	ug/l	98
88) 1,4-Dichlorobenzene	13.59	146	109770	20.256	ug/l	99
89) n-Butylbenzene	13.84	91	206523	20.009	ug/l	98
90) Hexachloroethane	14.11	117	38083	18.930	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	97786	20.907	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.50	75	6511	19.663	ug/l	87

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Quant Title : SW846 8260
QLast Update : Thu Oct 03 03:24:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	70754	19.976	ug/l	98
94) Hexachlorobutadiene	15.27	225	38288	19.102	ug/l	93
95) Naphthalene	15.40	128	120933	18.952	ug/l	99
96) 1,2,3-Trichlorobenzene	15.59	180	60098	19.125	ug/l	98

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

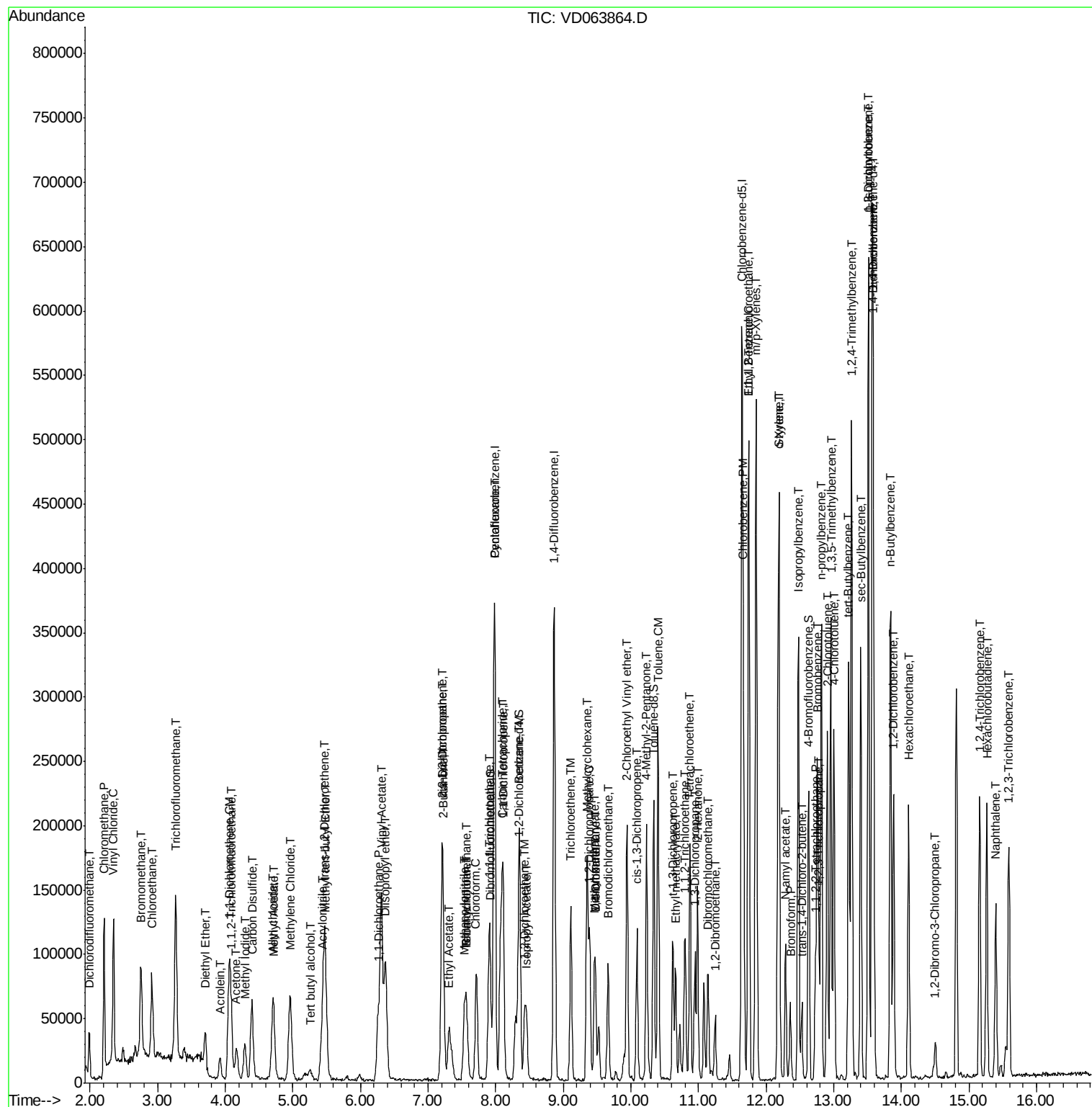
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 Data File : VD063864.D
 Acq On : 02 Oct 2019 17:17
 Operator : VA/SY
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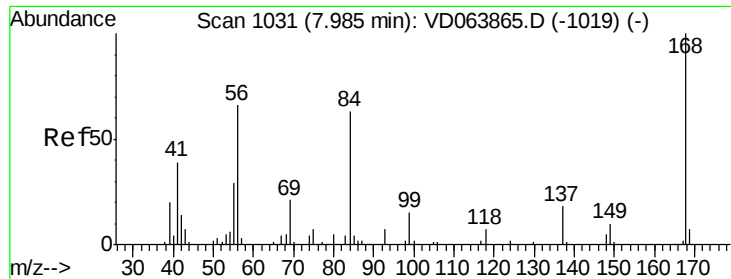
Instrument :
 MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC020

Tot Ion:168 Resp: 204094

Ion Ratio Lower Upper

168 100

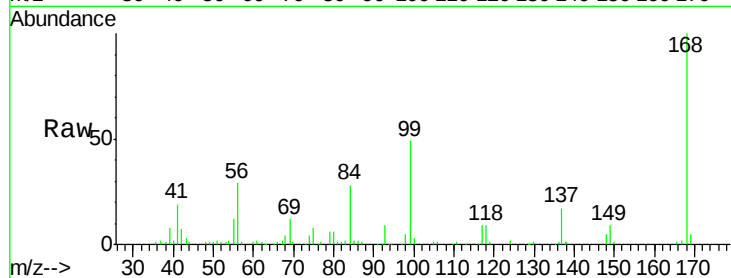
99 48.0 43.0 64.4

Manual Integrations

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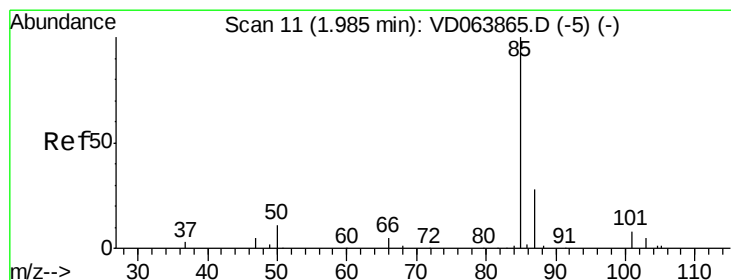
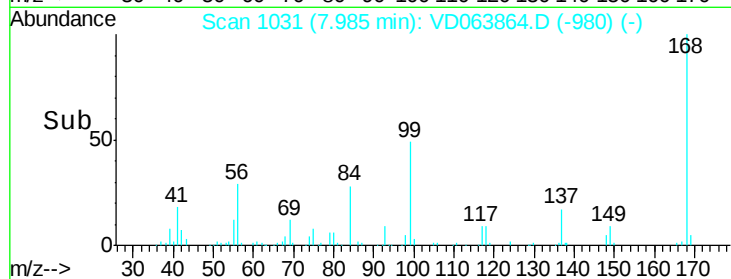
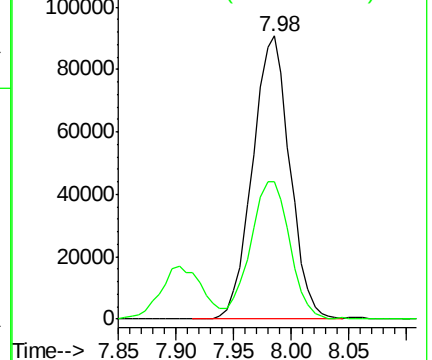
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10/3/2019 12:54:59 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.655 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063864.D

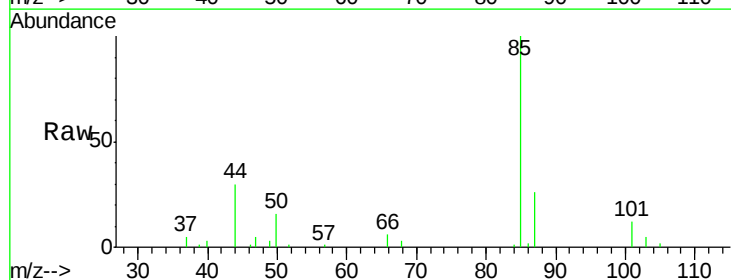
Acq: 02 Oct 2019 17:17

Tgt Ion: 85 Resp: 26575

Ion Ratio Lower Upper

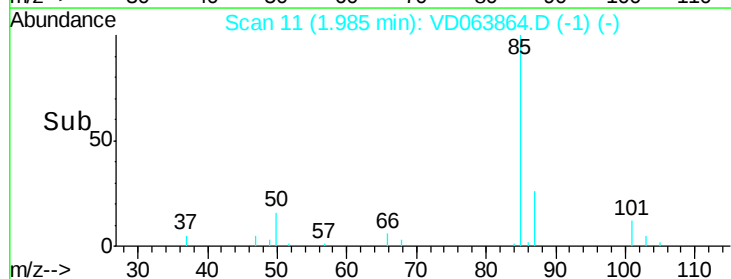
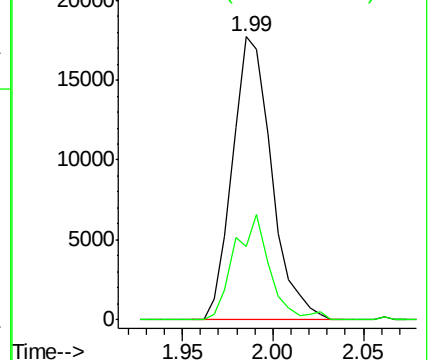
85 100

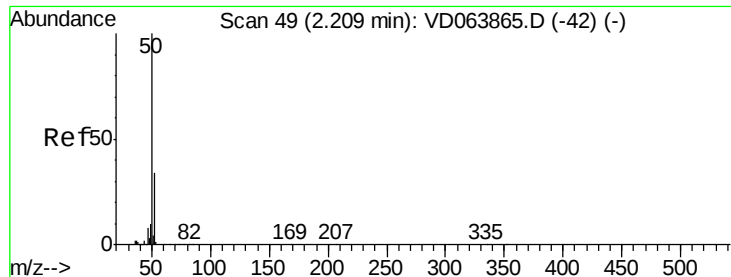
87 25.9 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.342 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 50 Resp: 91920

Ion Ratio Lower Upper

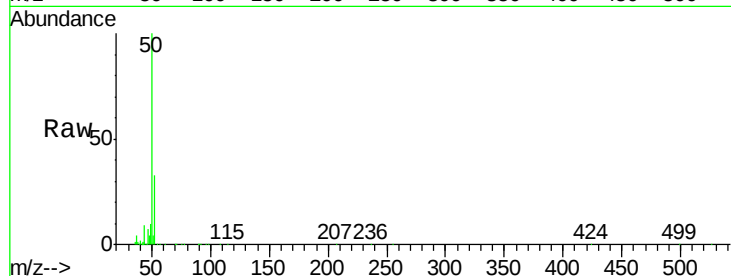
50 100

52 33.4 27.5 41.3

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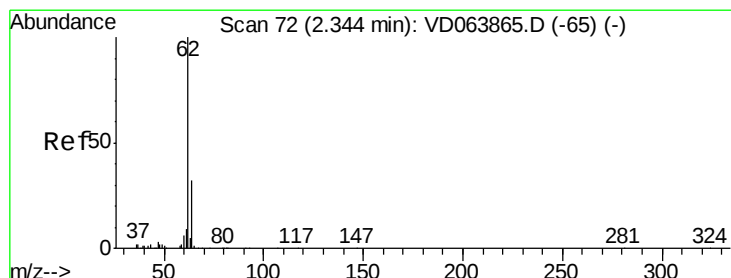
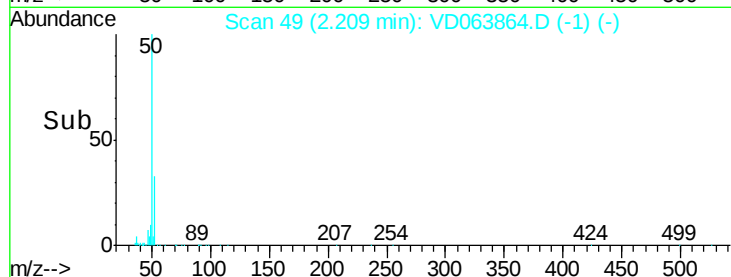
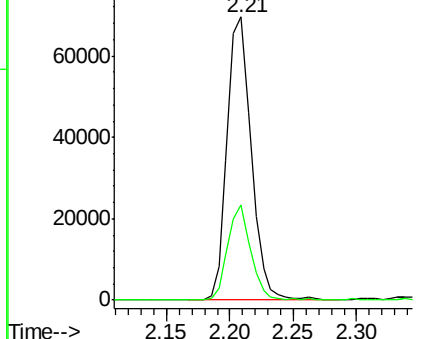
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10/3/2019 12:54:59 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.696 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063864.D

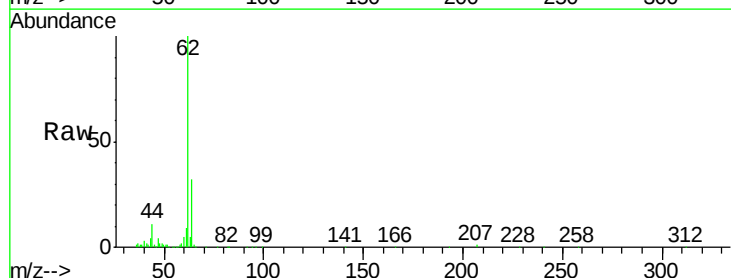
Acq: 02 Oct 2019 17:17

Tgt Ion: 62 Resp: 100008

Ion Ratio Lower Upper

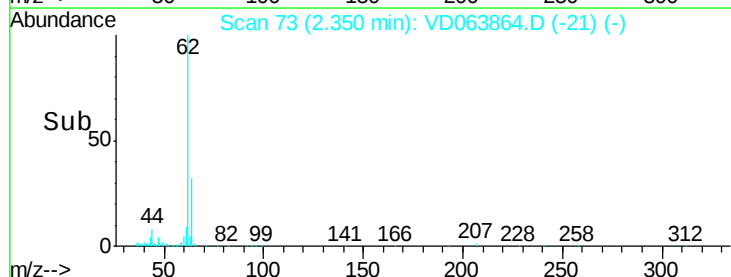
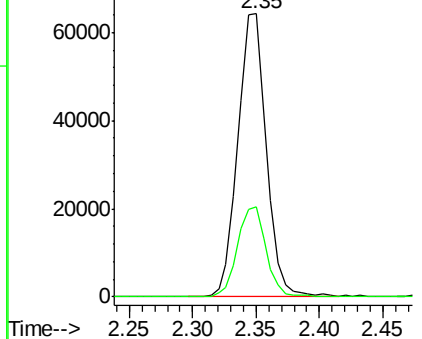
62 100

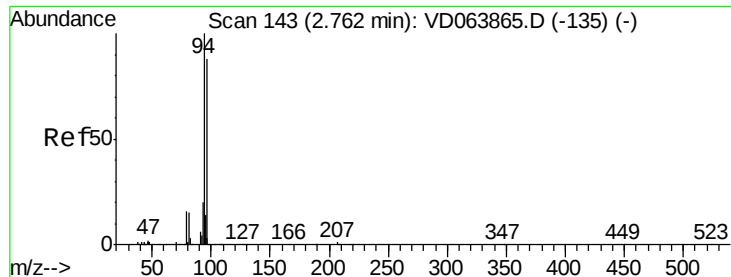
64 32.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.962 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

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Tot Ion: 94 Resp: 59819

Ion Ratio Lower Upper

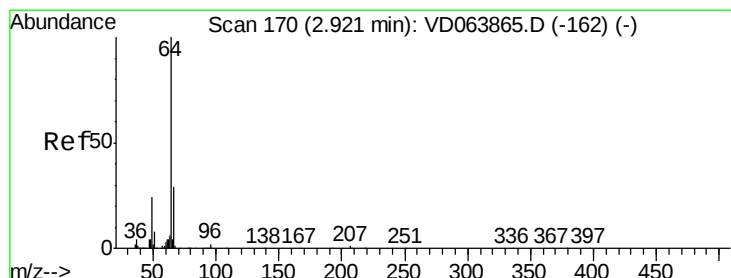
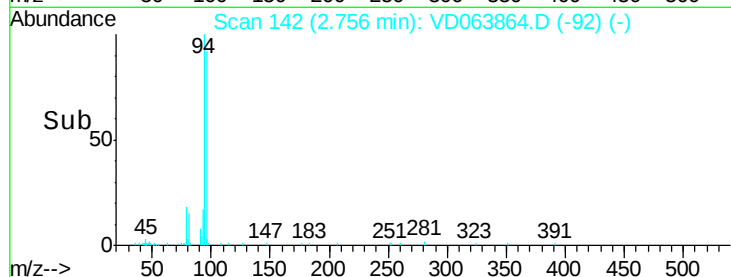
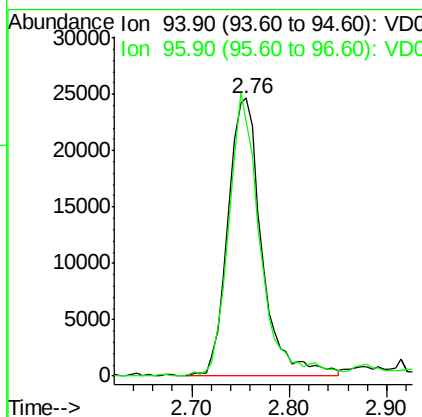
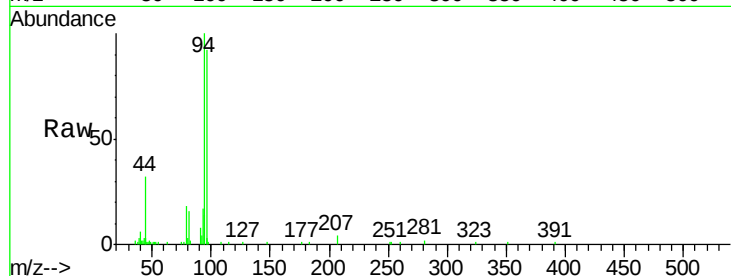
94 100

96 91.3 70.8 106.2

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#6

Chloroethane

Concen: 21.503 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD063864.D

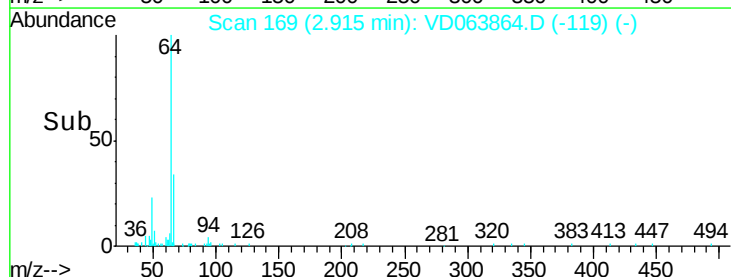
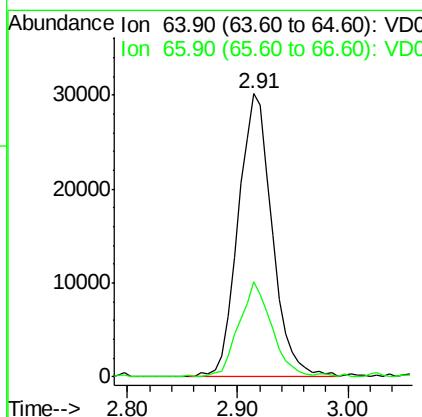
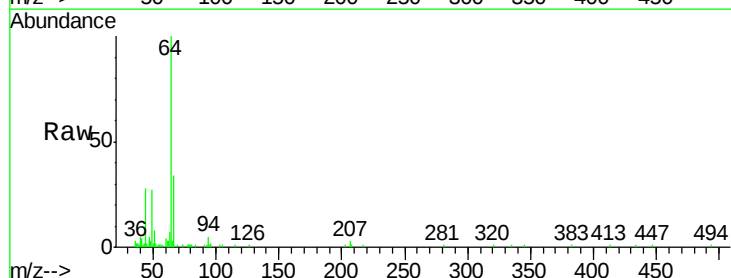
Acq: 02 Oct 2019 17:17

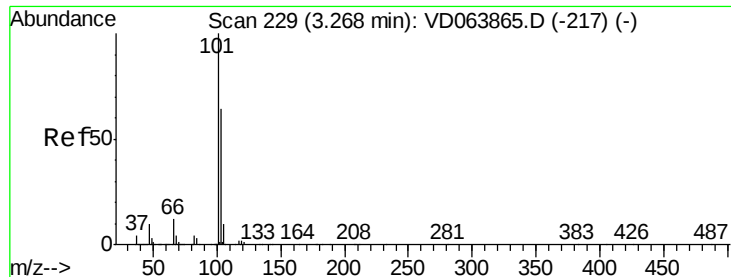
Tgt Ion: 64 Resp: 65069

Ion Ratio Lower Upper

64 100

66 33.6 23.0 34.4





#7

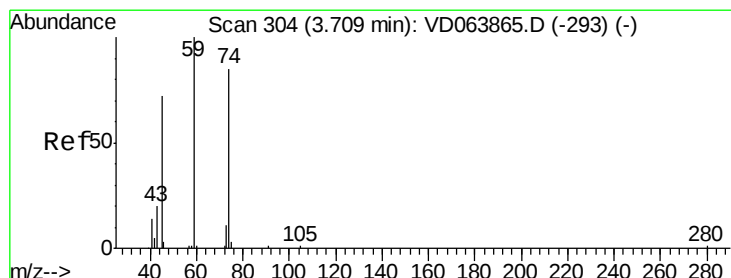
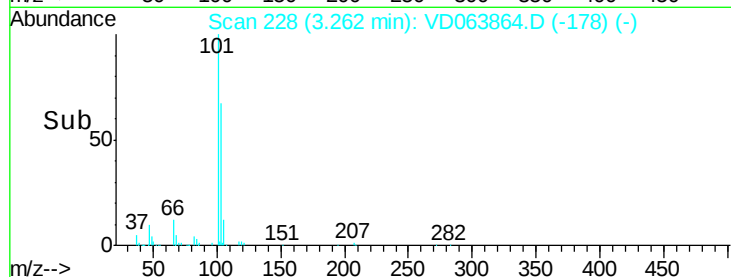
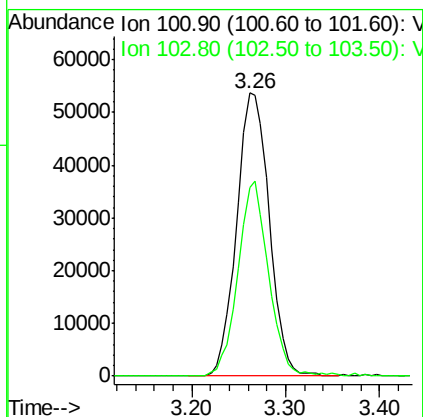
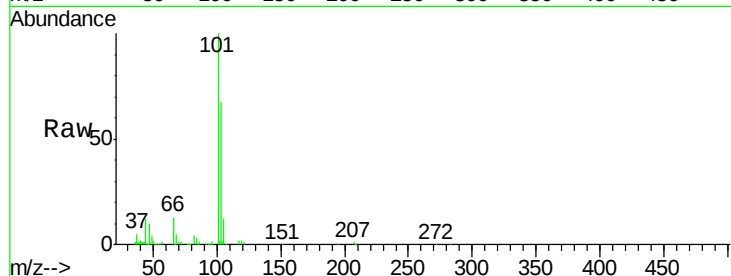
Trichlorofluoromethane
 Concen: 21.970 ug/l
 RT: 3.26 min Scan# 228
 Delta R.T. -0.01 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	51.1	76.7

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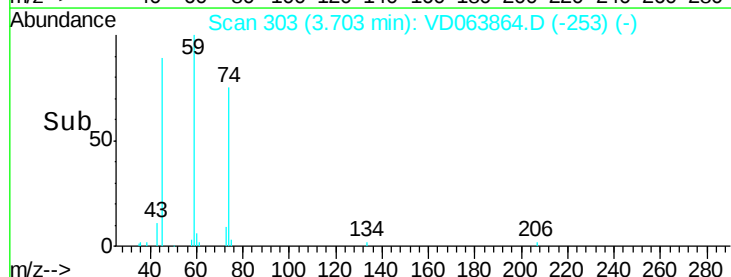
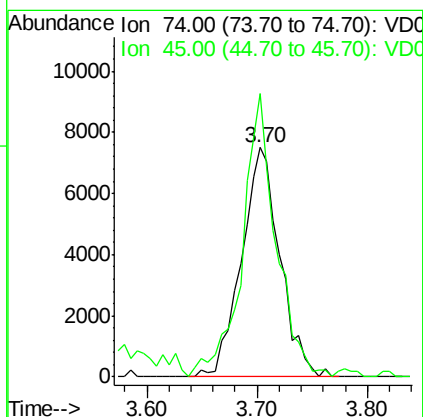
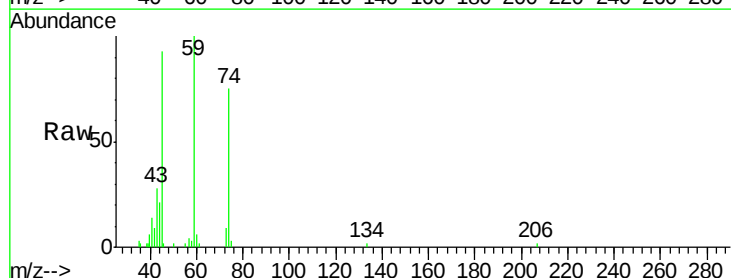
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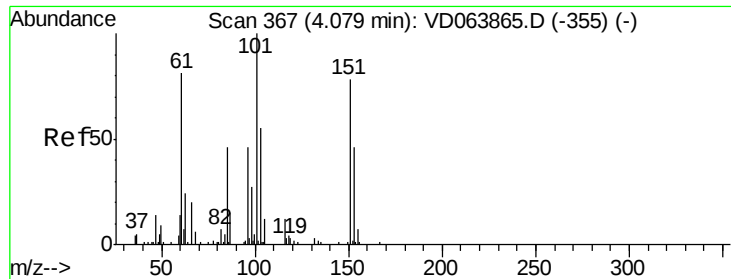


#8

Diethyl Ether
 Concen: 18.810 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	108.5	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.635 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

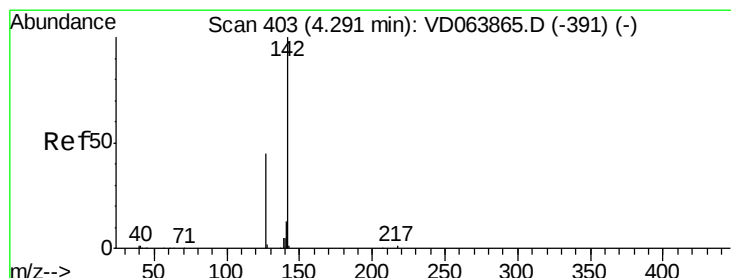
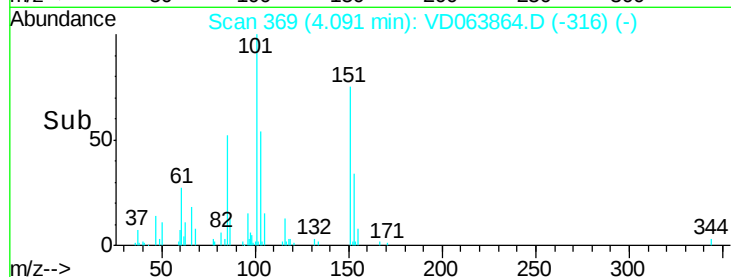
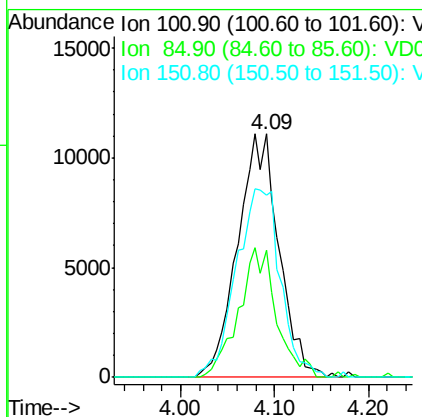
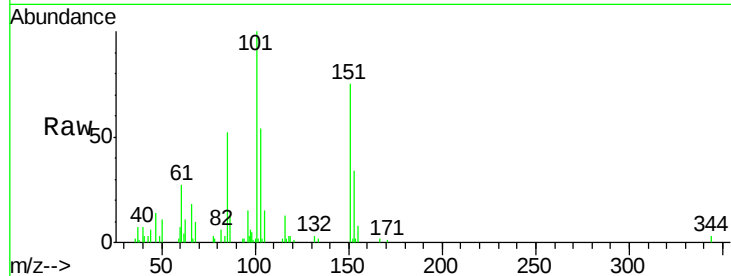
ClientSampleId :

VSTDIC020

Tot Ion:	101	Resp:	33798
Ion Ratio	Lower	Upper	
101	100		
85	48.6	37.5	56.3
151	83.0	65.5	98.3

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#10

Methyl Iodide

Concen: 22.350 ug/l

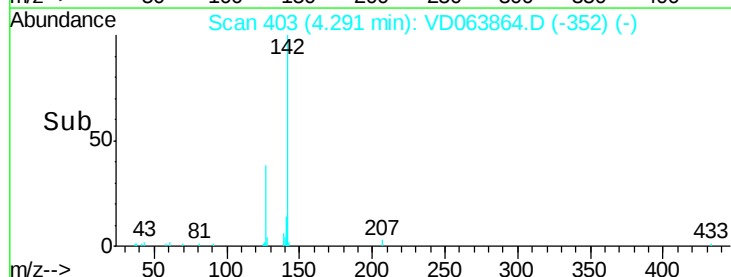
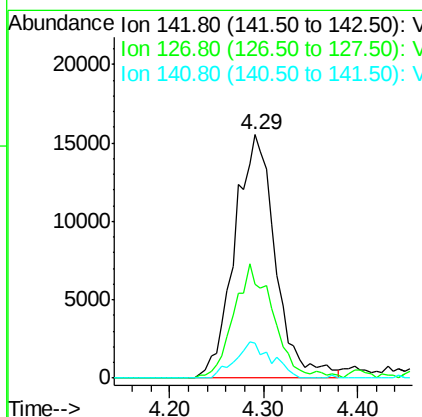
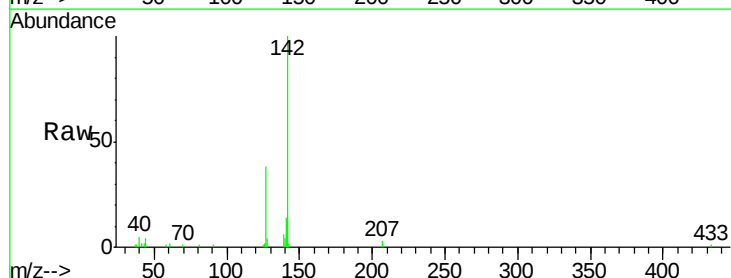
RT: 4.29 min Scan# 403

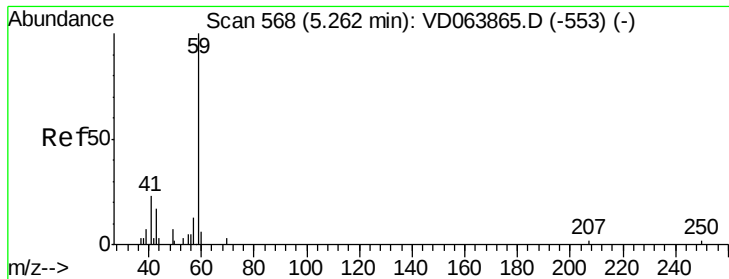
Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Tgt Ion:	142	Resp:	46839
Ion Ratio	Lower	Upper	
142	100		
127	44.4	35.3	52.9
141	13.2	12.2	18.2





#11

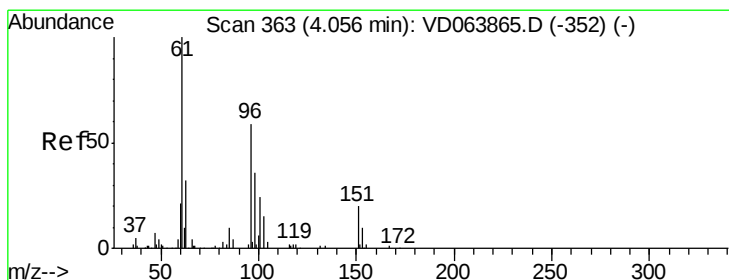
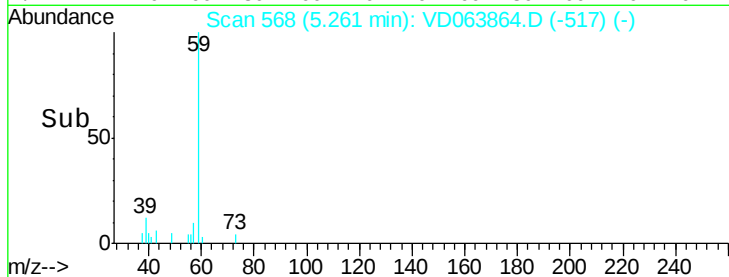
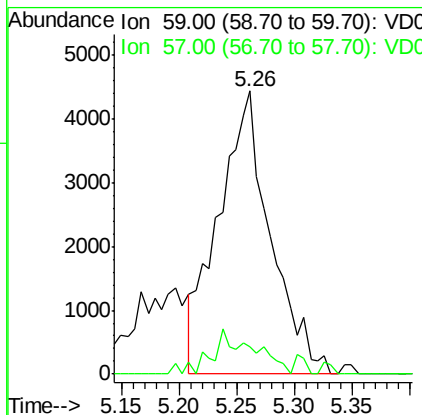
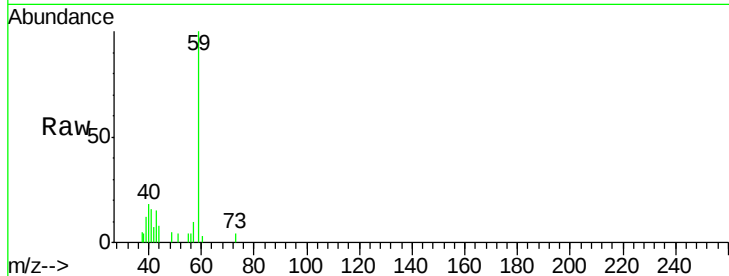
Tert butyl alcohol
 Concen: 91.611 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	59	Resp	13922
Ion Ratio	100	Lower	Upper
57	0.0	8.8	13.2#

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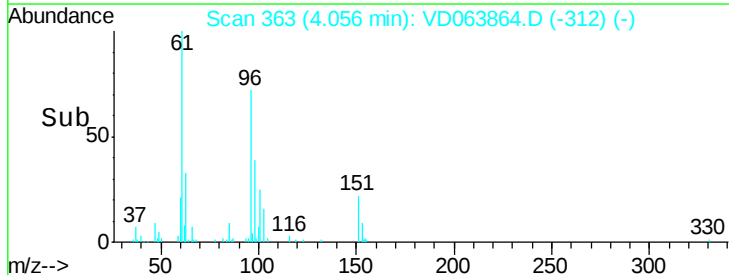
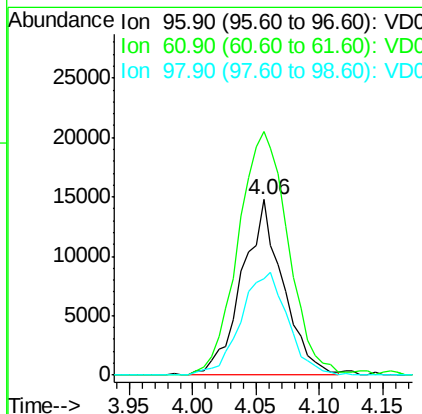
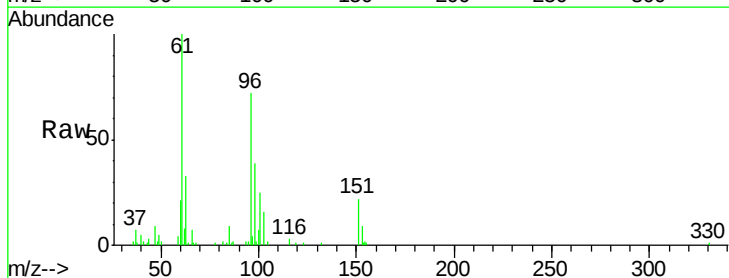
MMDadoda
 10/3/2019 12:54:59 PM

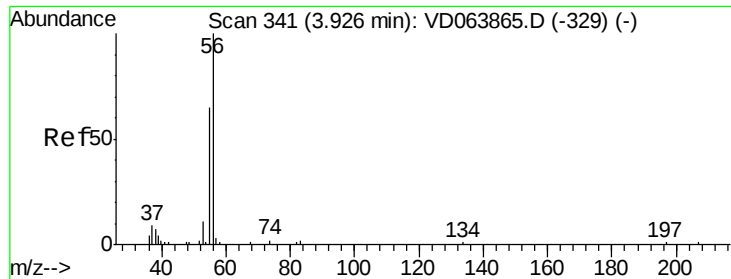


#12

1,1-Dichloroethene
 Concen: 19.206 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Tgt Ion	96	Resp	33492
Ion Ratio	100	Lower	Upper
61	138.8	135.6	203.4
98	54.7	49.2	73.8





#13

Acrolein

Concen: 102.574 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 56 Resp: 18731

Ion Ratio Lower Upper

56 100

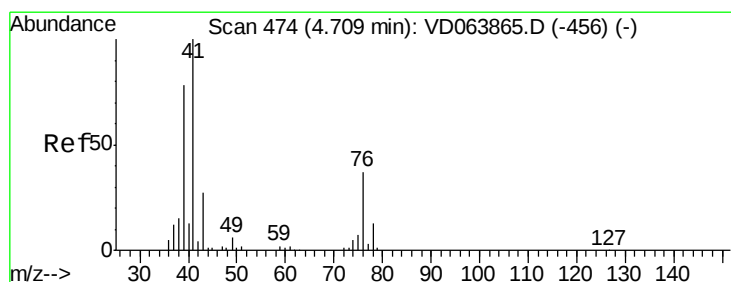
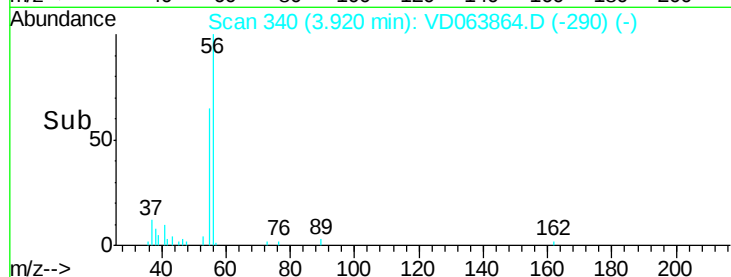
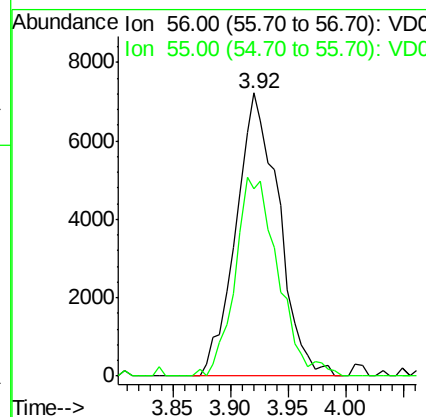
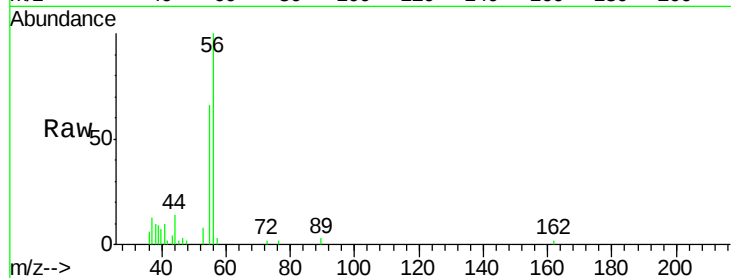
55 69.8 53.0 79.6

Manual Integrations

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#14

Allyl chloride

Concen: 21.921 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

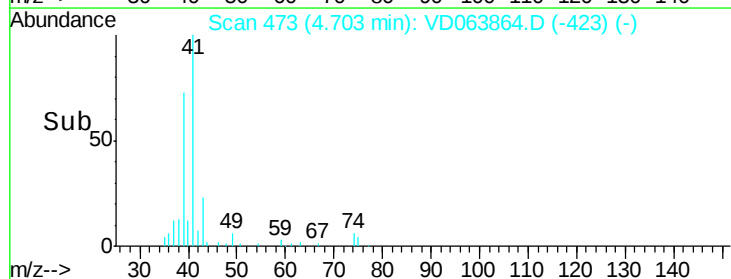
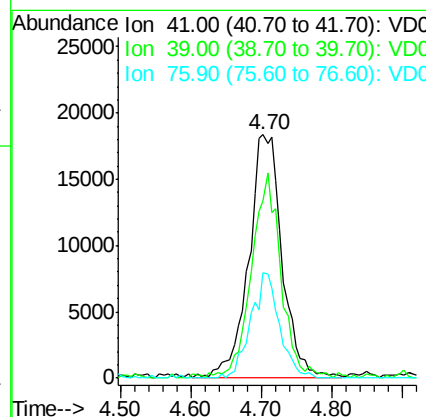
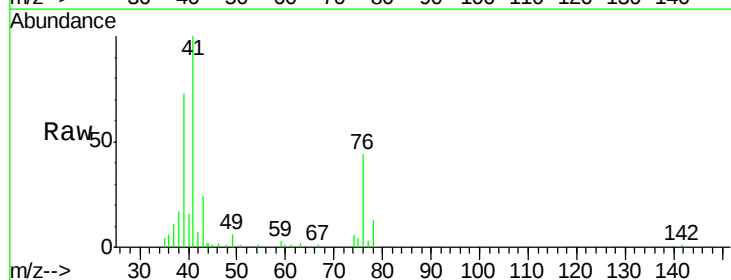
Tgt Ion: 41 Resp: 61068

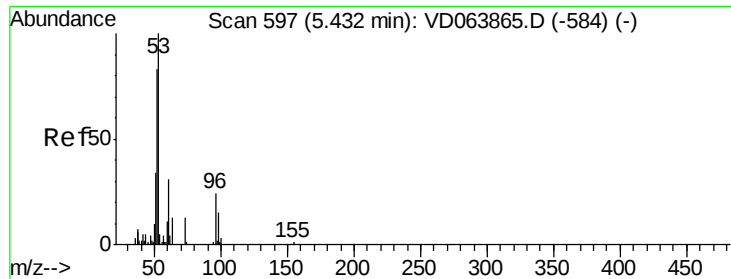
Ion Ratio Lower Upper

41 100

39 74.1 61.8 92.6

76 36.6 31.3 46.9





#15

Acrylonitrile

Concen: 106.231 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

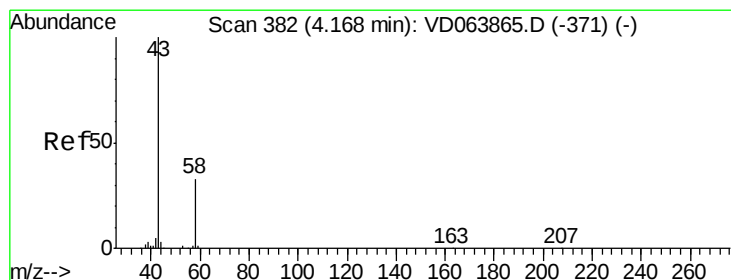
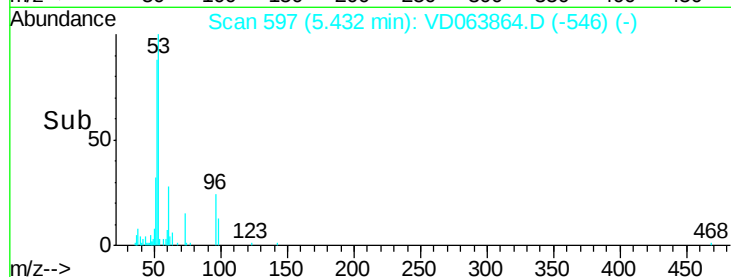
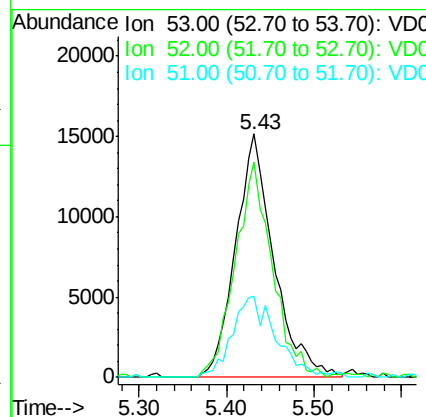
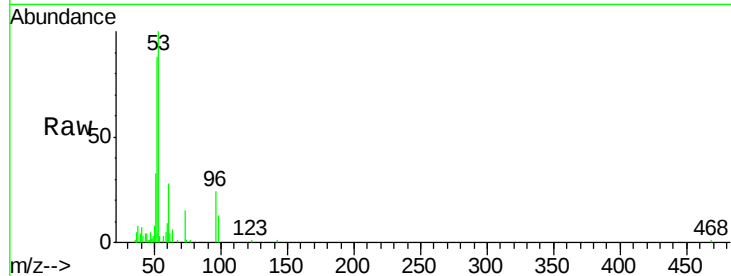
ClientSampleId :

VSTDIC020

Tot Ion:	53	Resp:	45136
Ion	Ratio	Lower	Upper
53	100		
52	85.4	67.3	100.9
51	38.1	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 95.967 ug/l

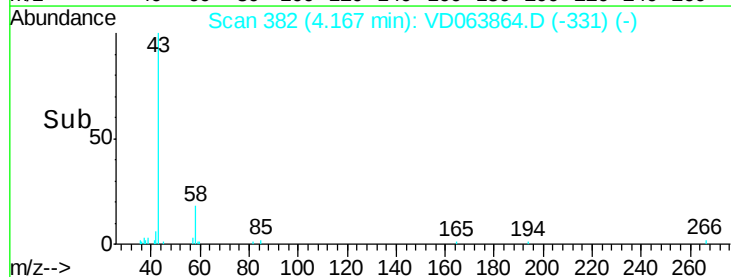
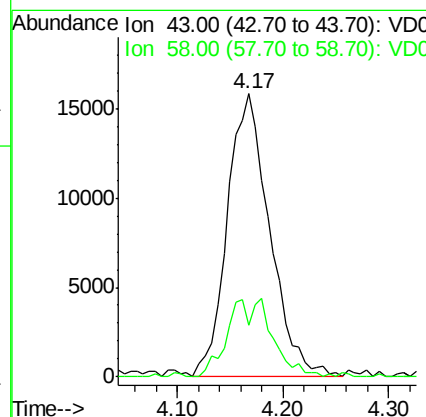
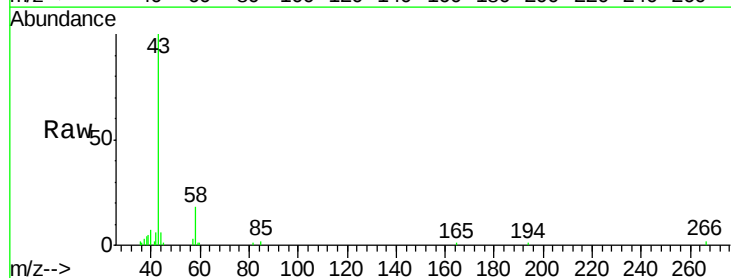
RT: 4.17 min Scan# 382

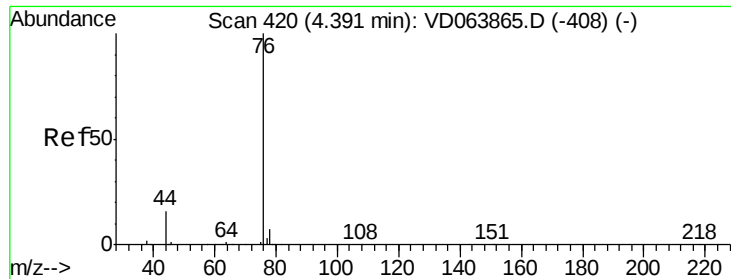
Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Tgt Ion:	43	Resp:	44058
Ion	Ratio	Lower	Upper
43	100		
58	18.4	26.2	39.4#





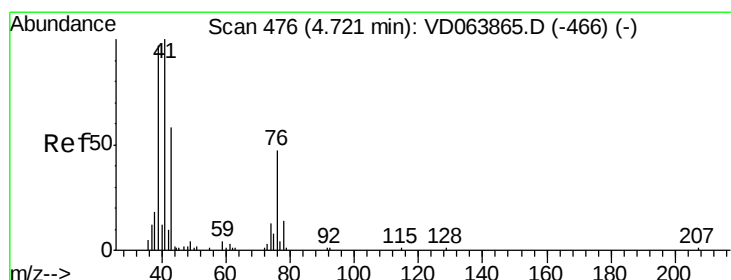
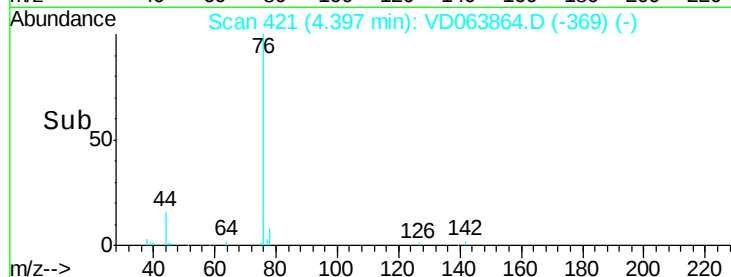
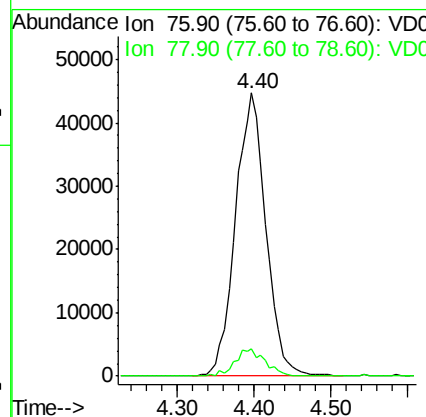
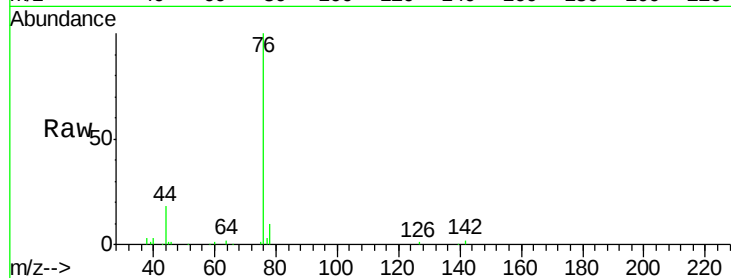
#17
Carbon Disulfide
Concen: 20.792 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	5.8	8.8#

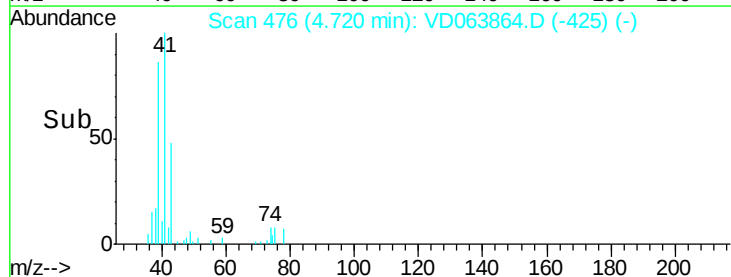
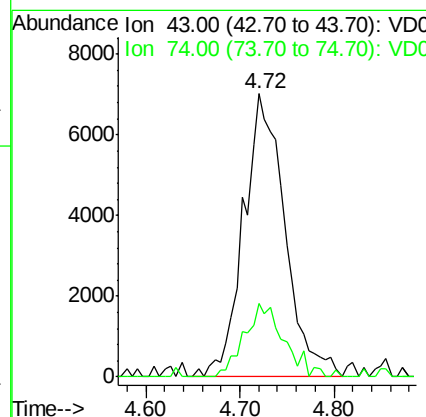
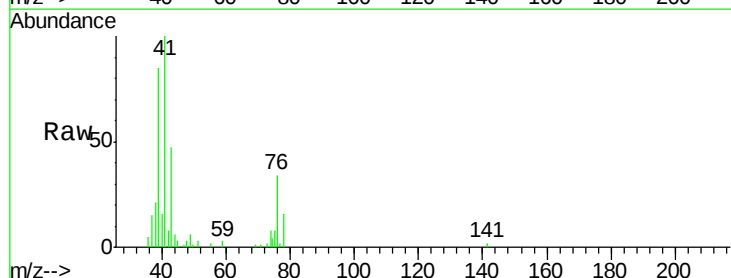
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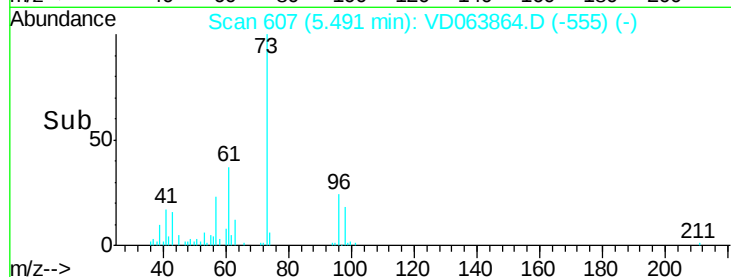
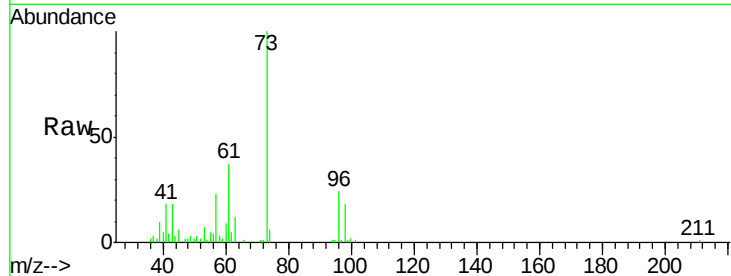
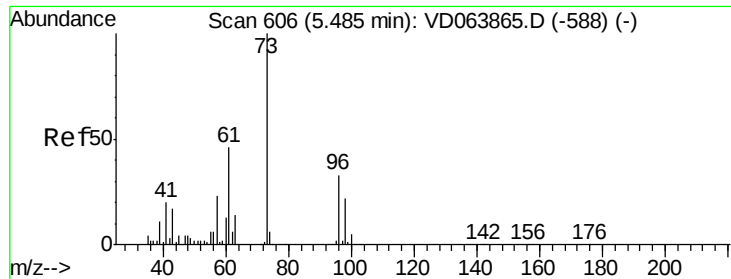
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#18
Methyl Acetate
Concen: 20.144 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	20.8	31.2





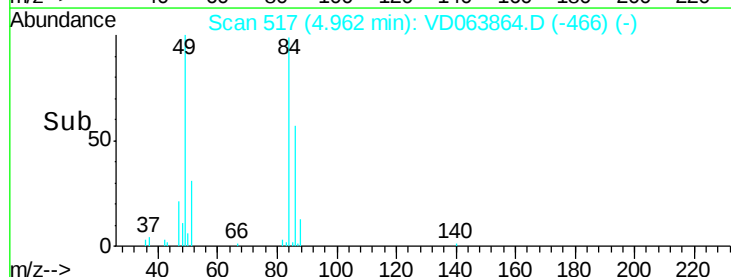
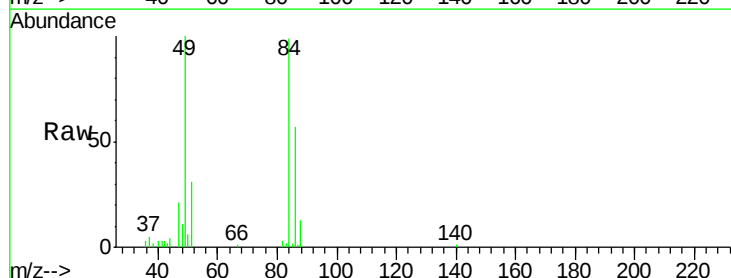
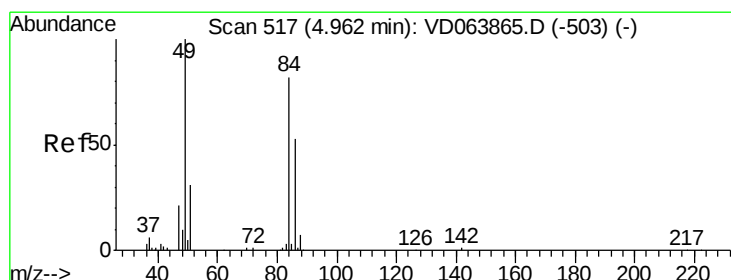
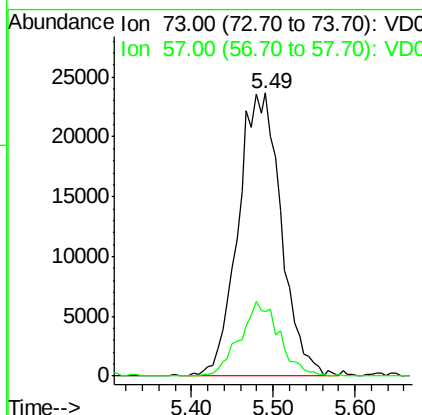
#19
Methvl tert-butvl Ether
Concen: 19.703 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tot Ion: 73 Resp: 86495
Ion Ratio Lower Upper
73 100
57 22.9 18.1 27.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

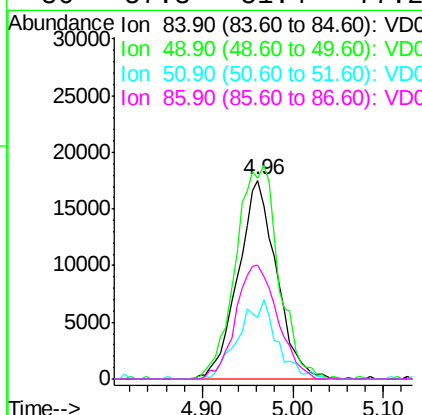
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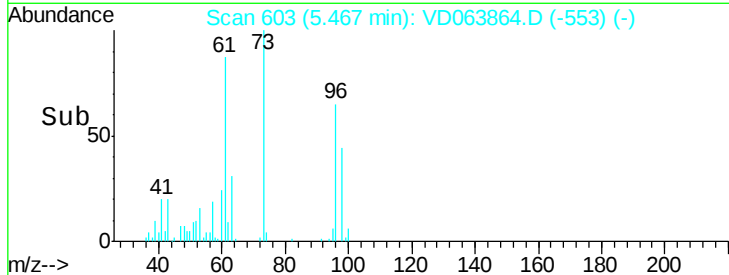
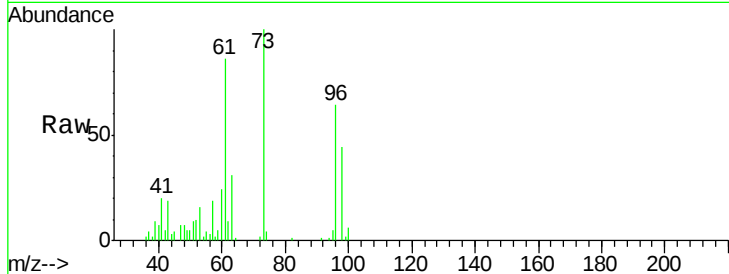
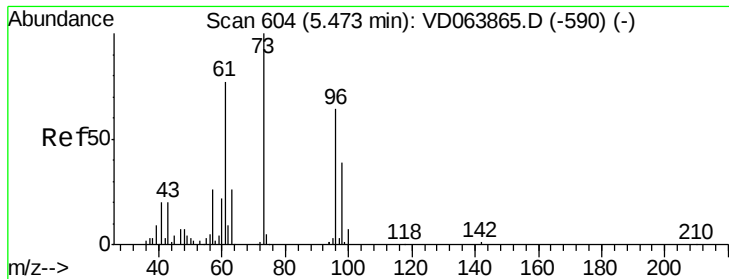
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#20
Methylene Chloride
Concen: 19.693 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion: 84 Resp: 51560
Ion Ratio Lower Upper
84 100
49 101.1 97.3 145.9
51 30.9 30.1 45.1
86 57.3 51.4 77.2





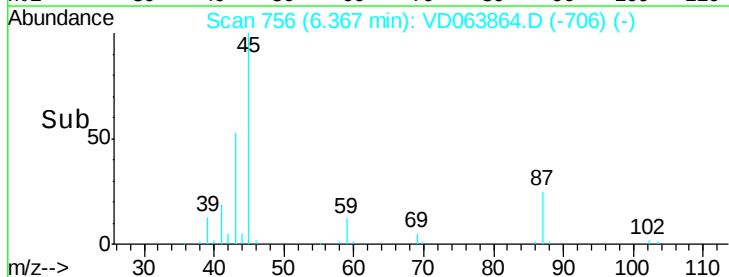
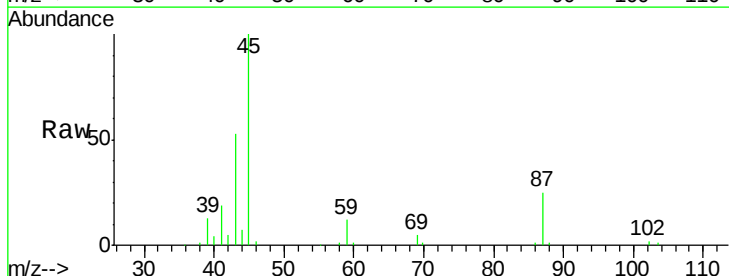
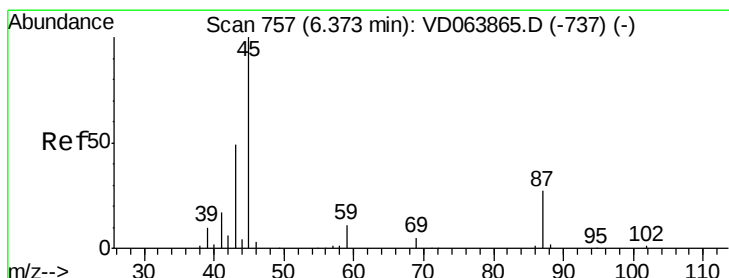
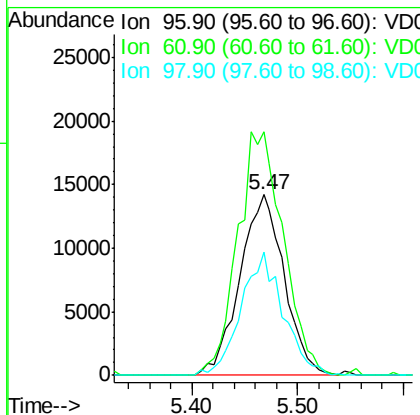
#21
trans-1,2-Dichloroethene
Concen: 20.213 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.6	96.6	145.0
98	68.5	48.7	73.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

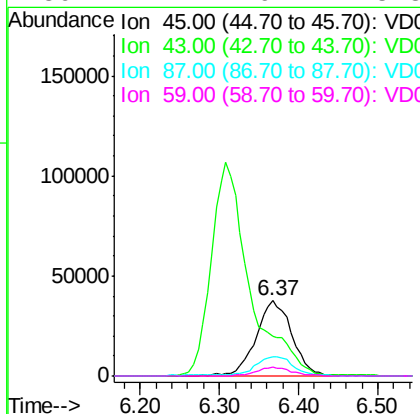
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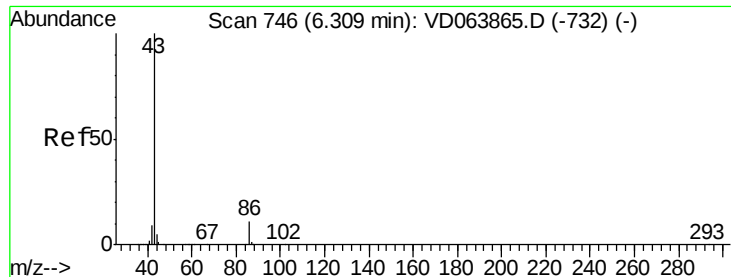
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#22
Diisopropyl ether
Concen: 20.974 ug/l
RT: 6.37 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
45	100		
43	51.4	41.2	61.8
87	25.1	22.2	33.4
59	11.7	9.2	13.8





#23

Vinyl Acetate

Concen: 105.541 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 358780

Ion Ratio Lower Upper

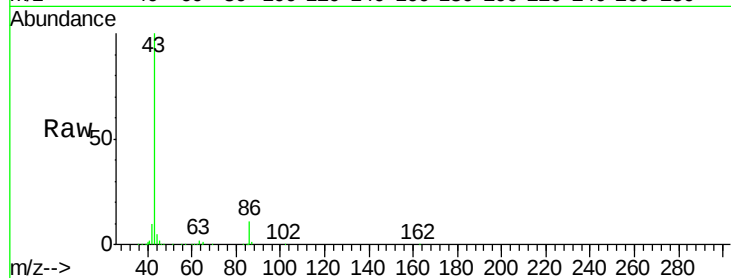
43 100

86 11.0 8.8 13.2

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

120000

100000

80000

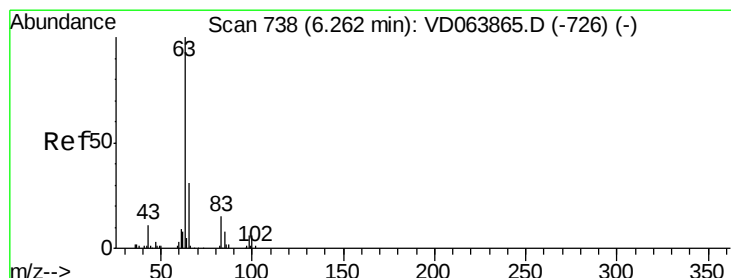
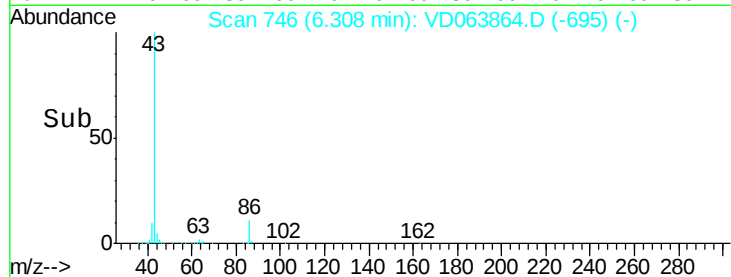
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.010 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

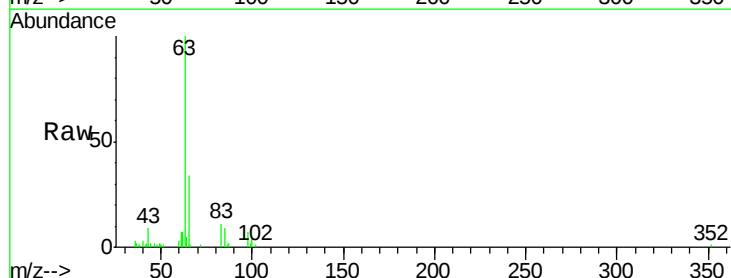
Tgt Ion: 63 Resp: 73307

Ion Ratio Lower Upper

63 100

98 7.4 3.1 9.4

100 5.4 3.0 9.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

30000

25000

20000

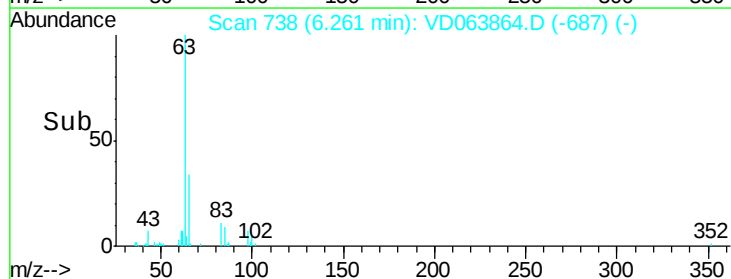
15000

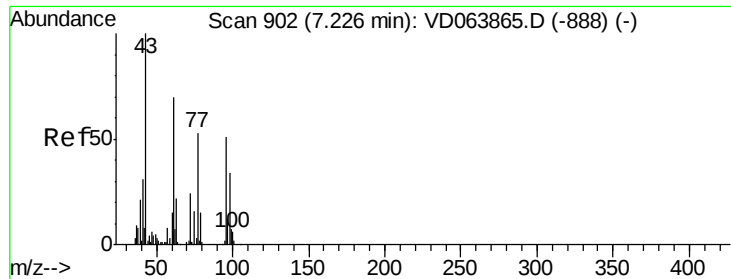
10000

5000

0

Time-->





#25

2-Butanone

Concen: 98.987 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 57699

Ion Ratio Lower Upper

43 100

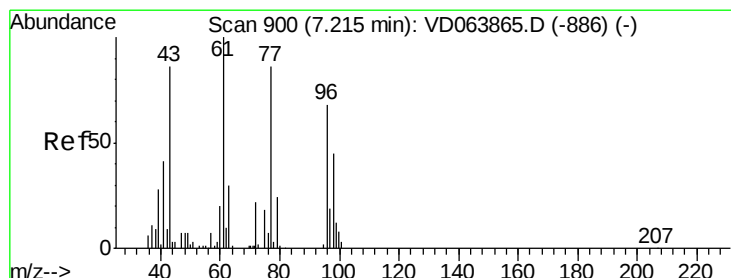
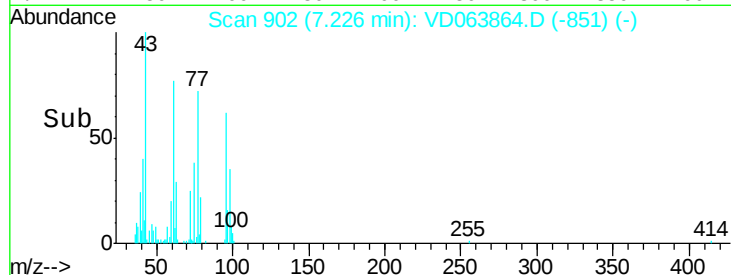
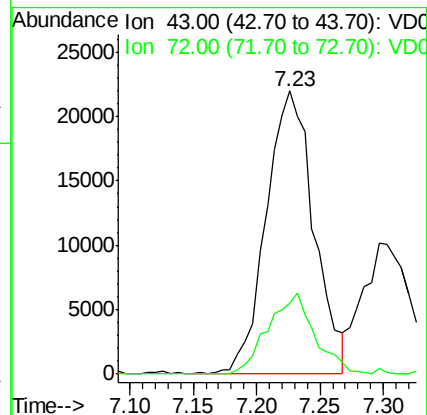
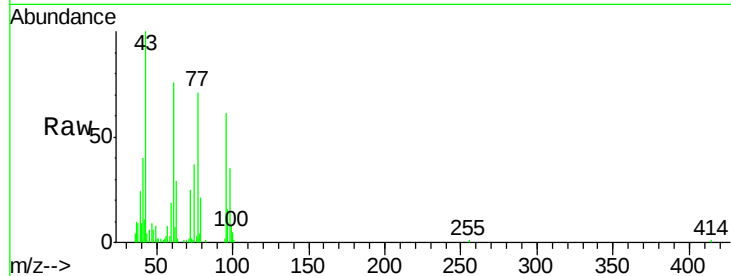
72 25.1 19.2 28.8

Manual Integrations

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10/3/2019 12:54:59 PM



#26

2,2-Dichloropropane

Concen: 19.543 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063864.D

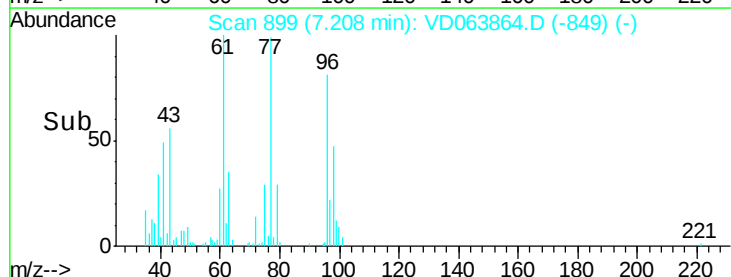
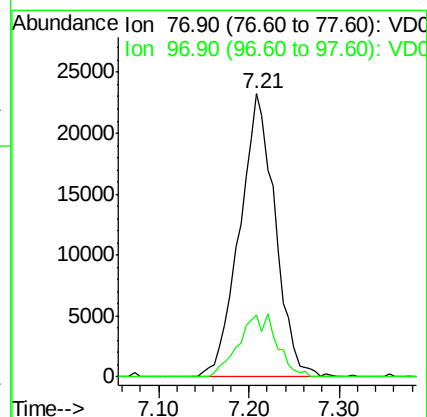
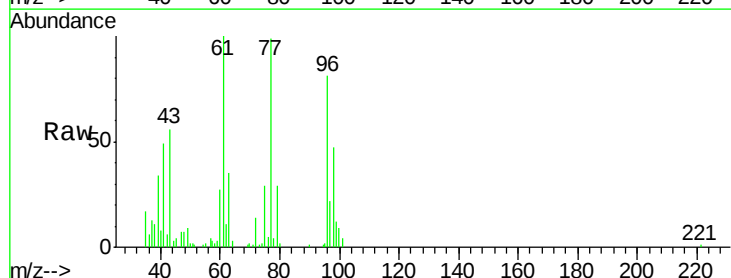
Acq: 02 Oct 2019 17:17

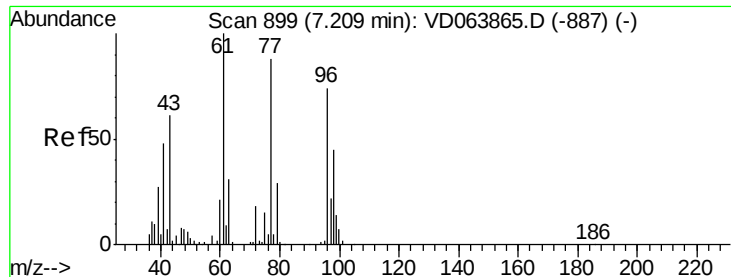
Tgt Ion: 77 Resp: 63072

Ion Ratio Lower Upper

77 100

97 23.7 11.4 34.1





#27

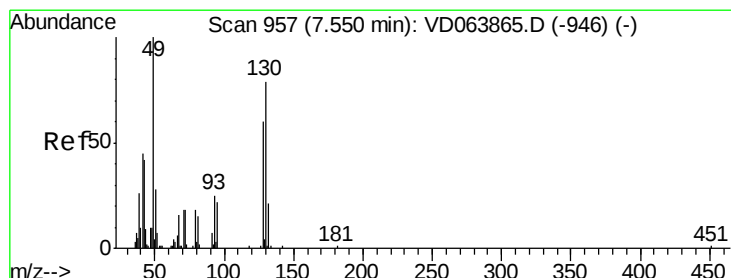
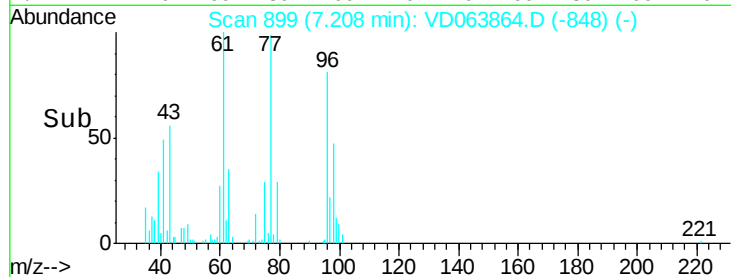
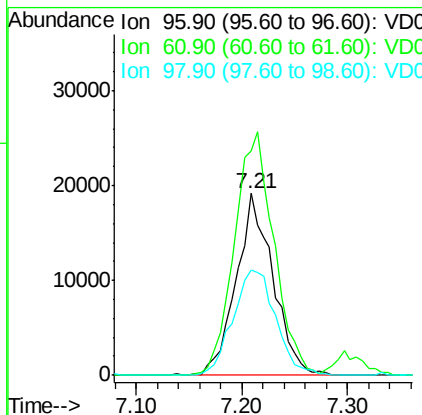
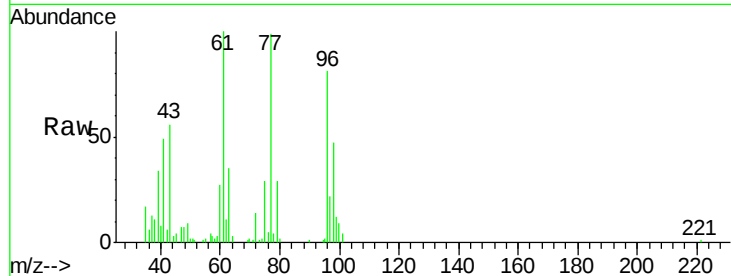
cis-1,2-Dichloroethene
Concen: 20.240 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.8	0.0	280.0
98	67.6	0.0	130.4

Manual Integrations
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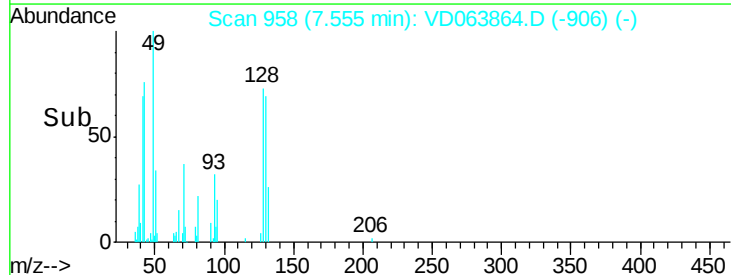
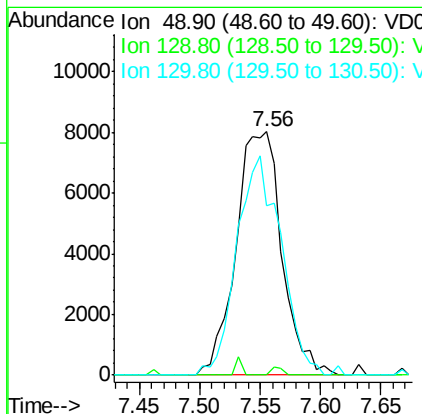
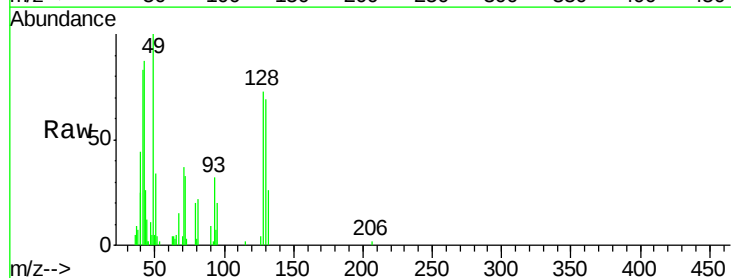
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10/3/2019 12:54:59 PM

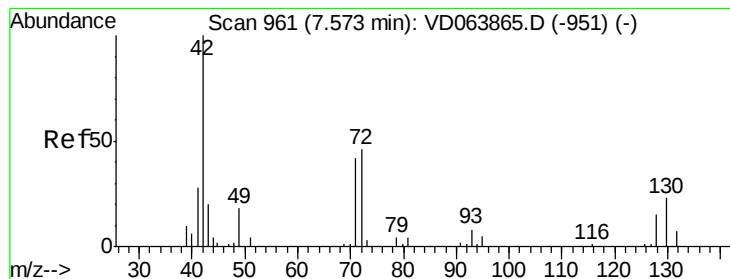


#28

Bromochloromethane
Concen: 15.798 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	5.6
130	87.1	66.8	100.2





#29

Tetrahydrofuran

Concen: 108.294 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

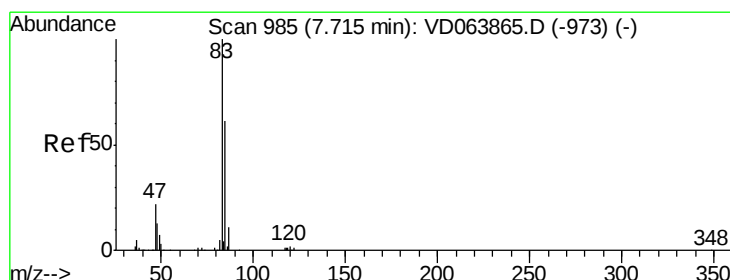
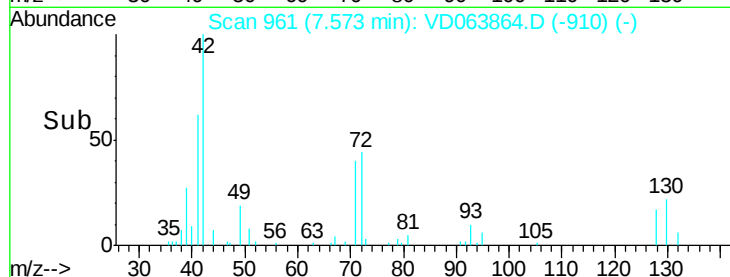
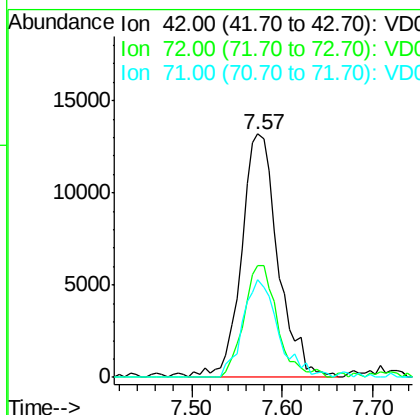
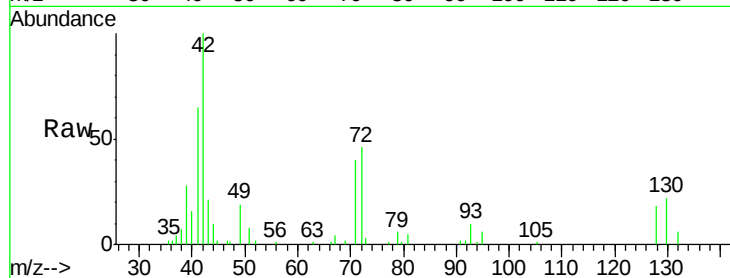
ClientSampleId :

VSTDIC020

Tot Ion:	42	Resp:	36884
Ion Ratio	Lower	Upper	
42	100		
72	41.3	37.6	56.4
71	39.1	35.0	52.6

Manual Integrations
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10/3/2019 12:54:59 PM



#30

Chloroform

Concen: 21.562 ug/l

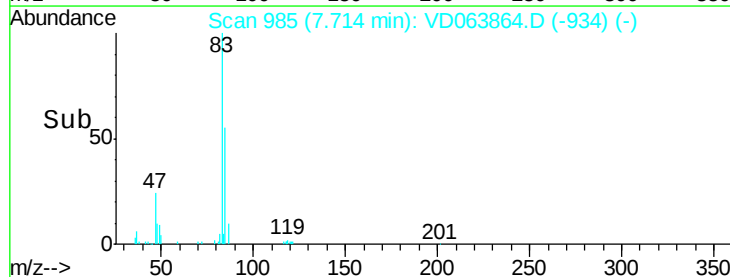
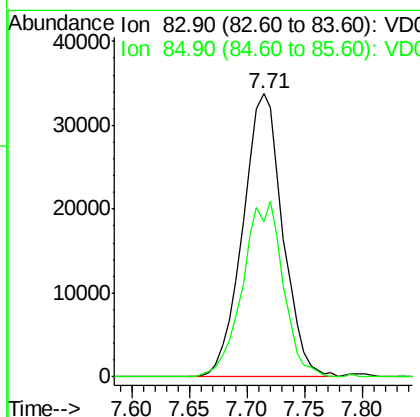
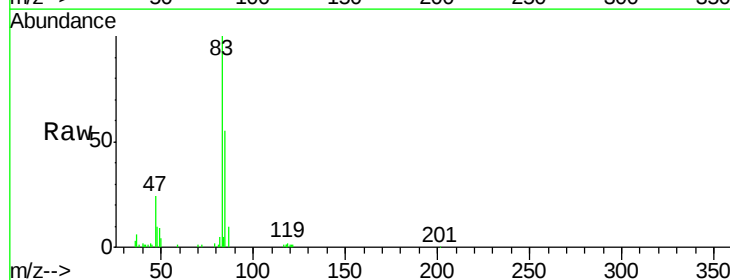
RT: 7.71 min Scan# 985

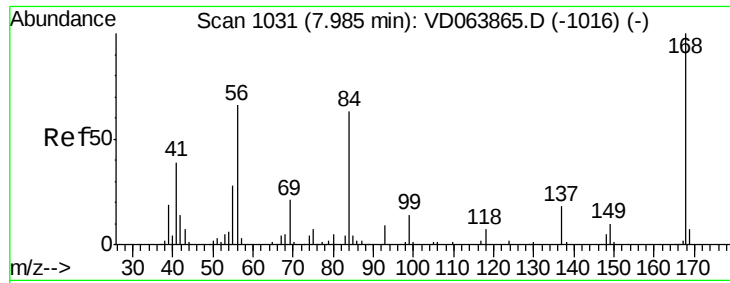
Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Tgt Ion:	83	Resp:	81294
Ion Ratio	Lower	Upper	
83	100		
85	54.7	48.9	73.3





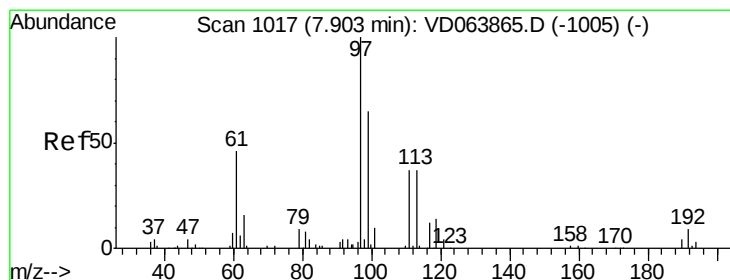
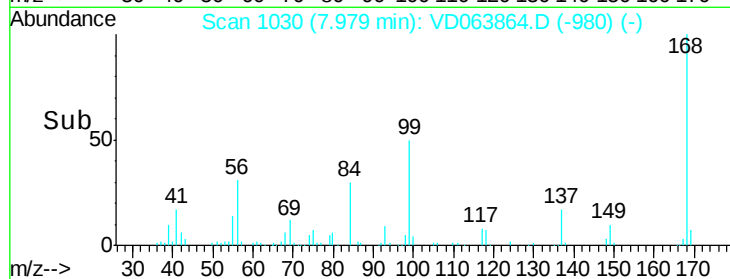
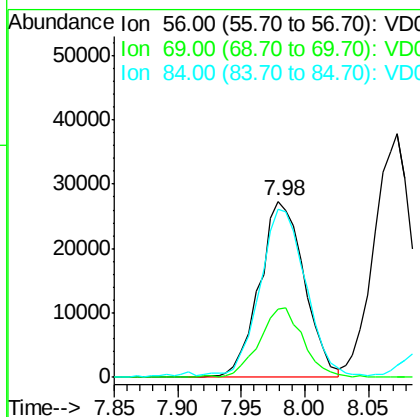
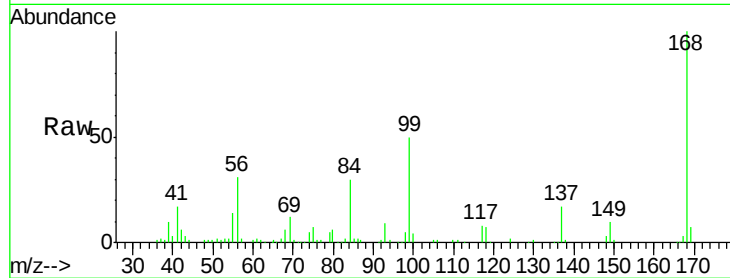
#31
Cyclohexane
Concen: 19.648 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampled :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.5	25.0	37.4#
84	92.9	76.3	114.5

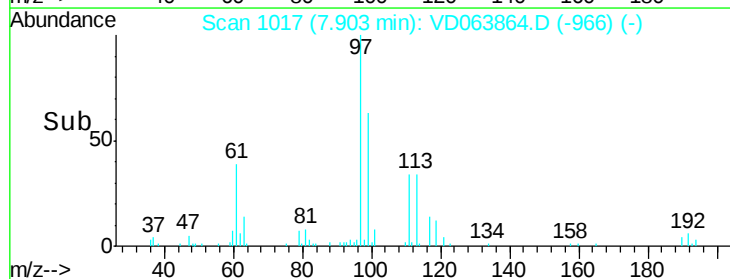
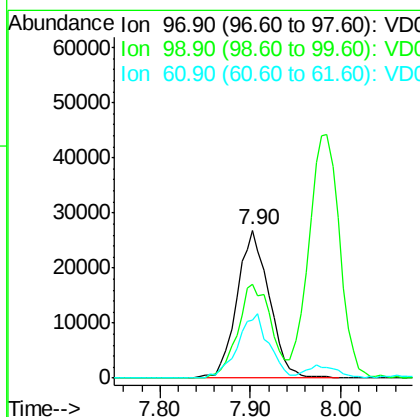
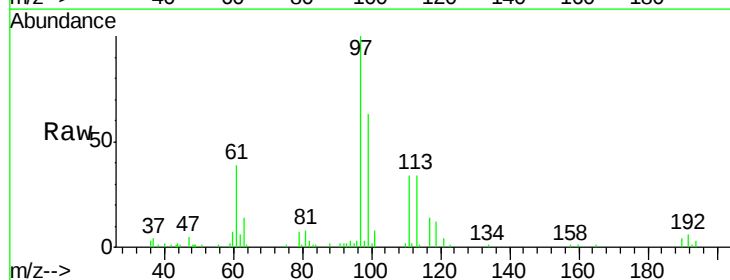
Manual Integrations
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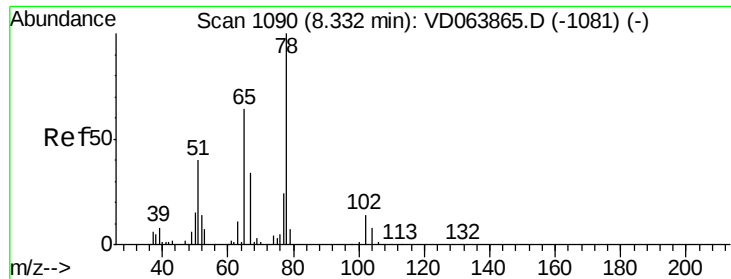
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10/3/2019 12:54:59 PM



#32
1,1,1-Trichloroethane
Concen: 19.527 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.4	78.6
61	42.3	33.8	50.8





#33

1,2-Dichloroethane-d4

Concen: 18.023 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 65 Resp: 34892

Ion Ratio Lower Upper

65 100

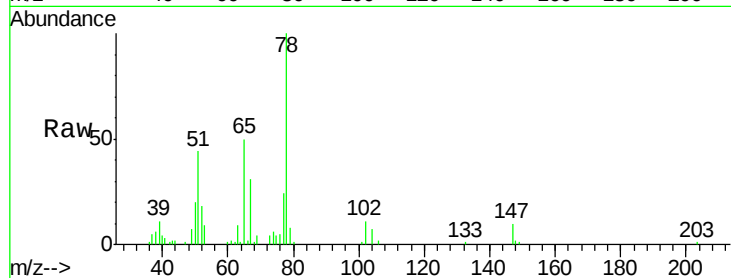
67 58.0 0.0 106.4

Manual Integrations

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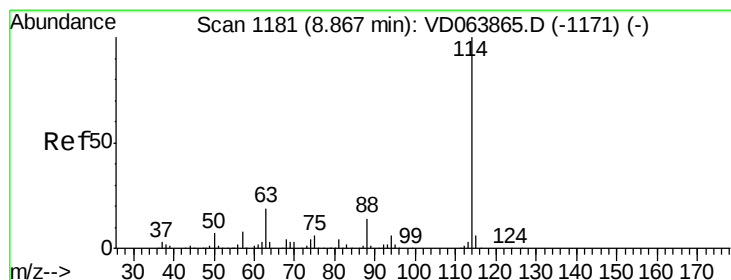
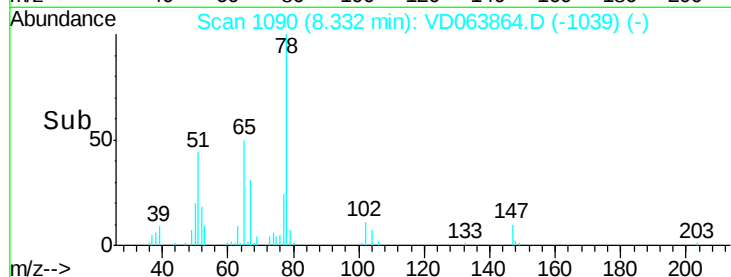
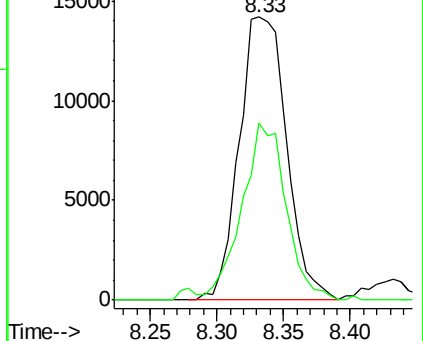
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10/3/2019 12:54:59 PM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

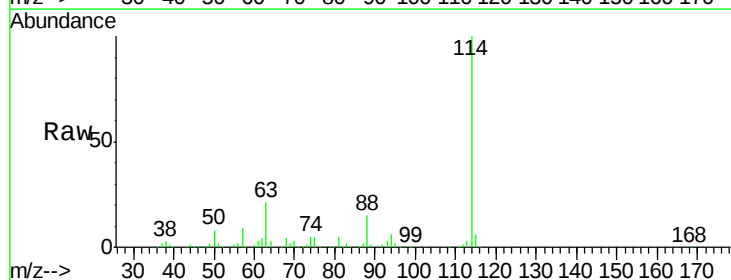
Tgt Ion: 114 Resp: 320951

Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.4

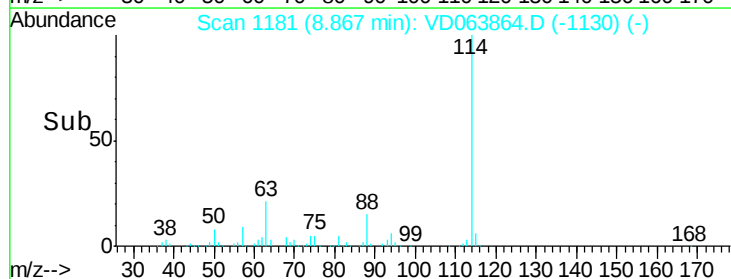
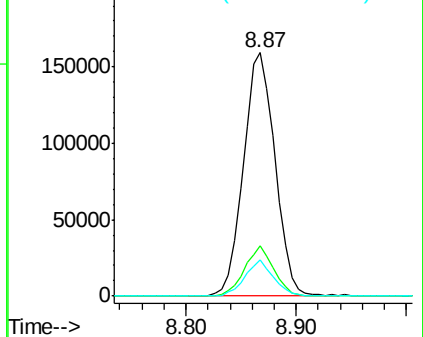
88 14.8 0.0 27.4

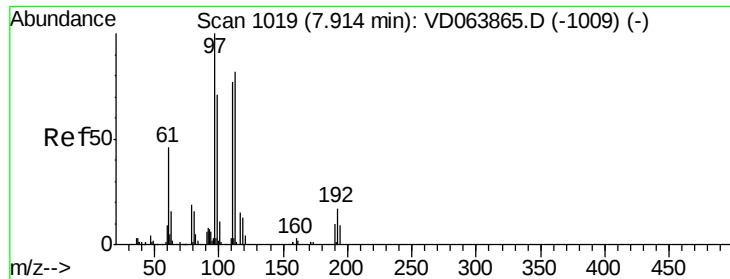


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 18.004 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. 0.01 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

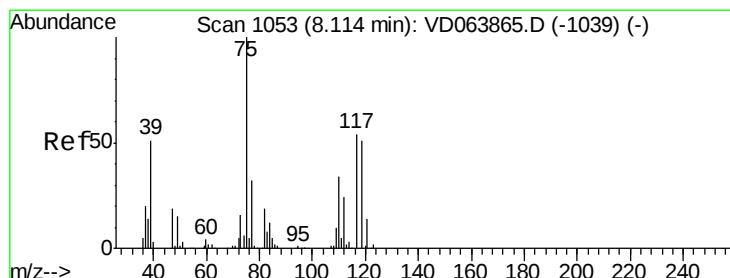
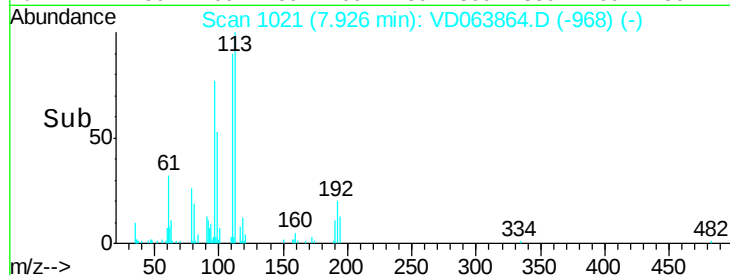
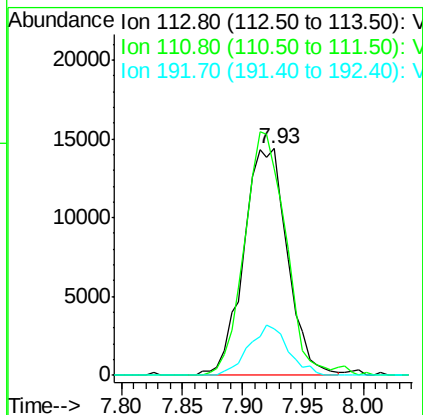
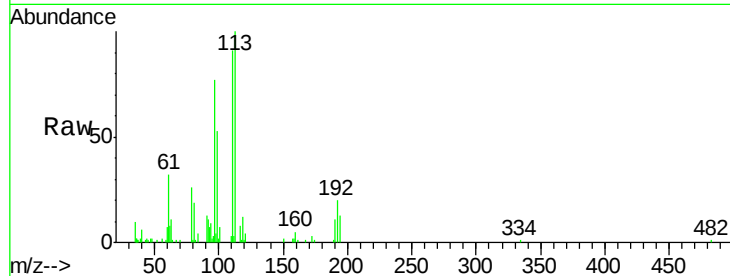
ClientSampleId :

VSTDIC020

Tot Ion:	113	Resp:	36341
Ion Ratio	Lower	Upper	
113	100		
111	100.1	82.6	123.8
192	19.7	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.884 ug/l

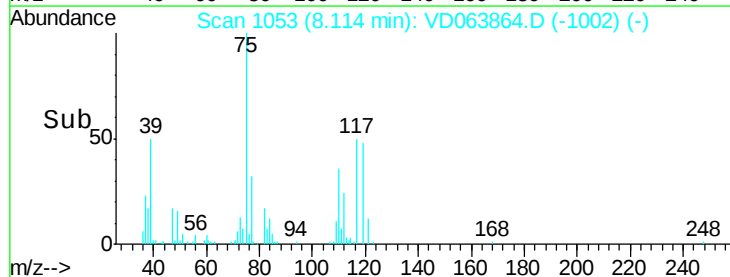
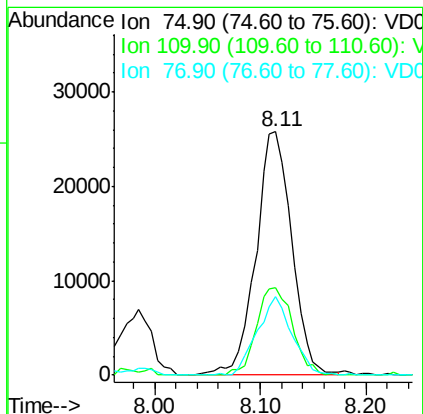
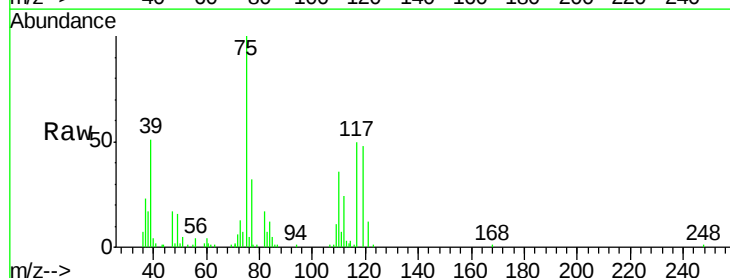
RT: 8.11 min Scan# 1053

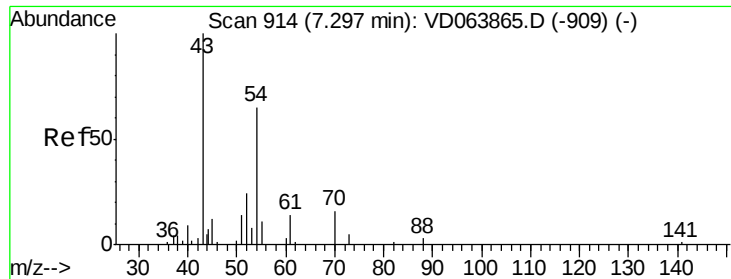
Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Tgt Ion:	75	Resp:	60618
Ion Ratio	Lower	Upper	
75	100		
110	36.2	17.4	52.3
77	31.2	25.4	38.0





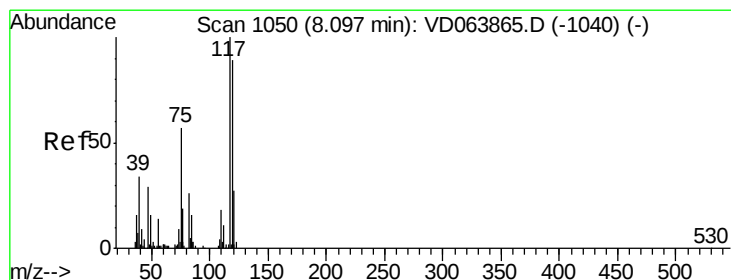
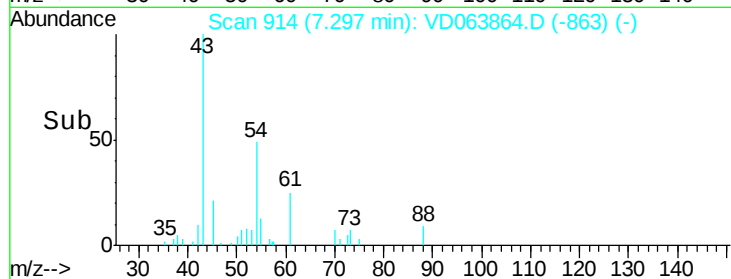
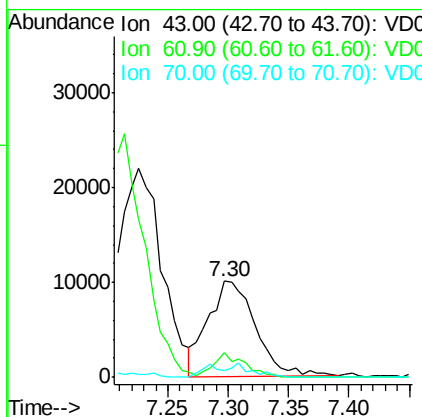
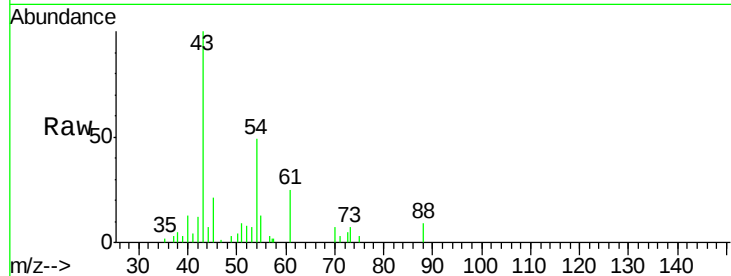
#37
Ethyl Acetate
Concen: 21.970 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.7	11.5	17.3
70	6.8	8.2	12.4

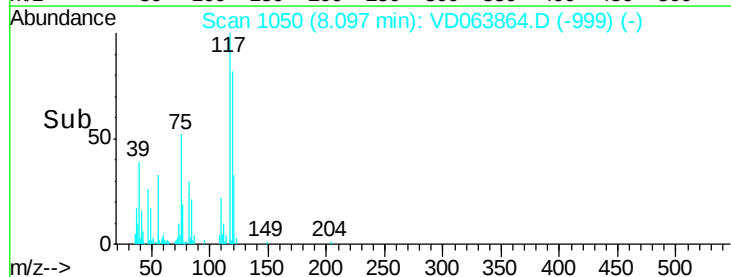
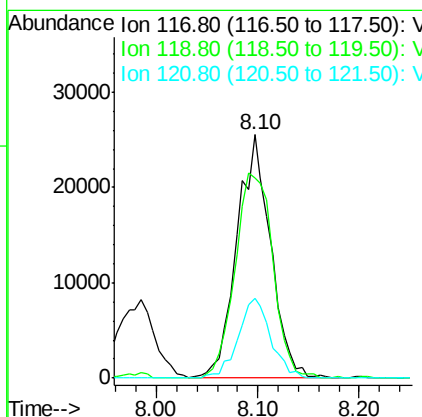
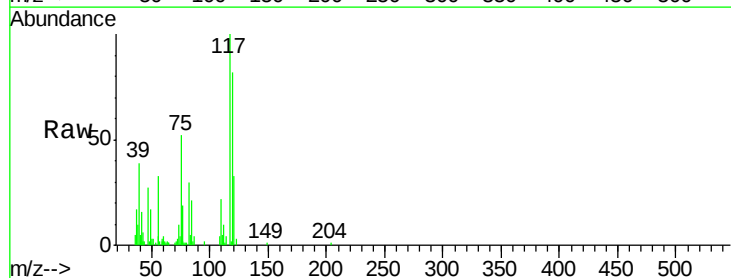
Manual Integrations
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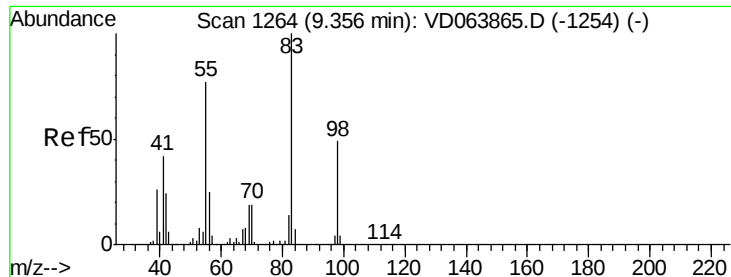
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#38
Carbon Tetrachloride
Concen: 19.782 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	82.4	70.8	106.2
121	32.9	21.4	32.0





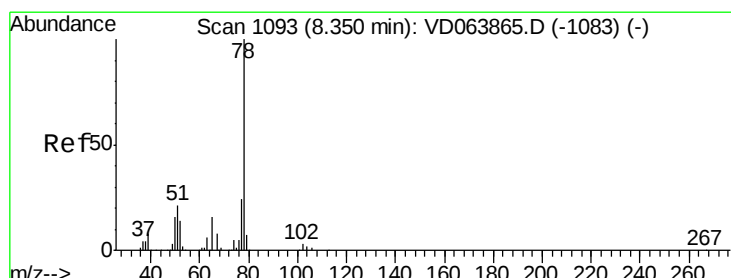
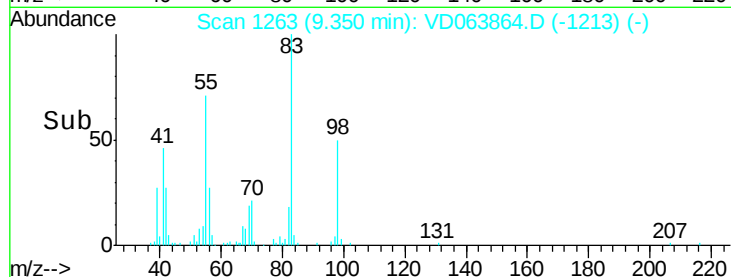
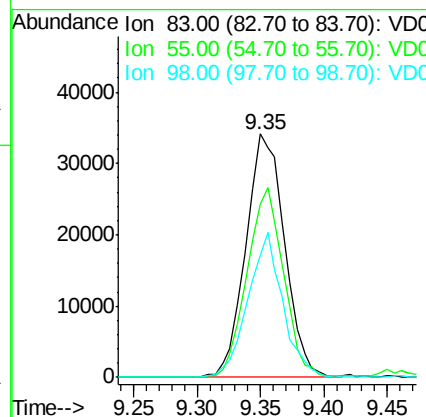
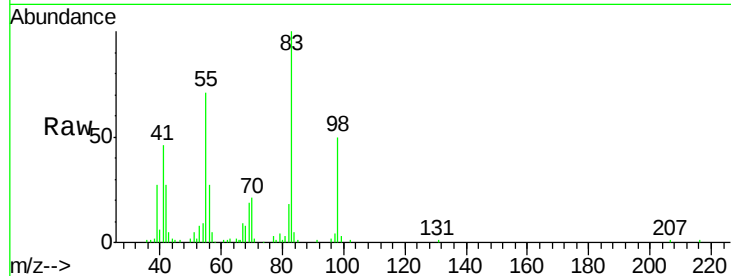
#39
Methvlcvclohexane
Concen: 20.155 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.0	61.3	91.9
98	50.1	39.3	58.9

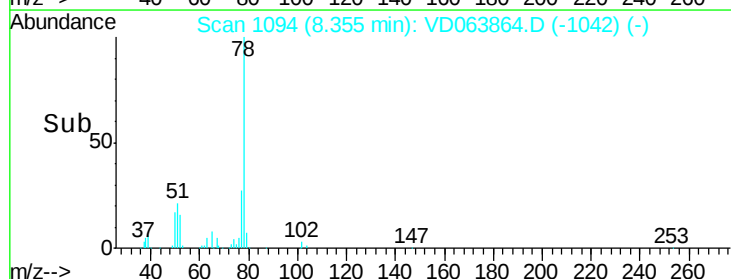
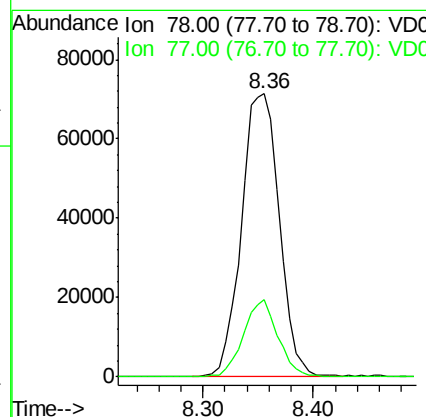
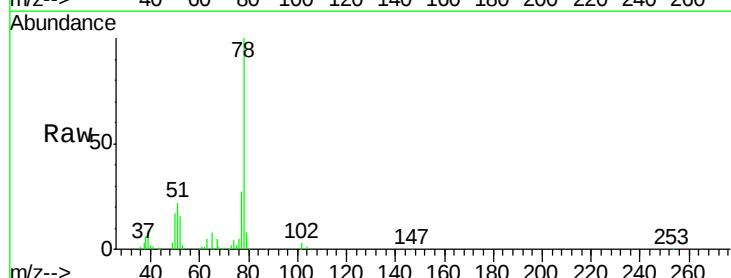
Manual Integrations
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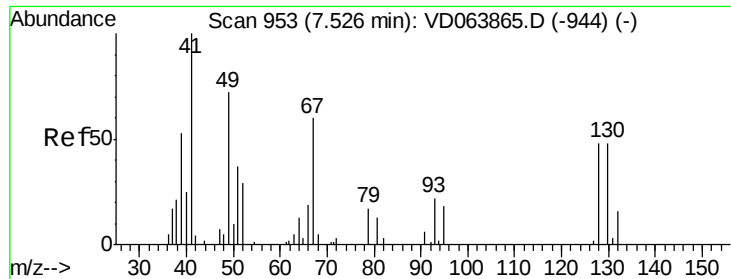
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#40
Benzene
Concen: 21.368 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.4	19.0	28.6





#41

Methacrylonitrile

Concen: 22.326 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 41 Resp: 15642

Ion Ratio Lower Upper

41 100

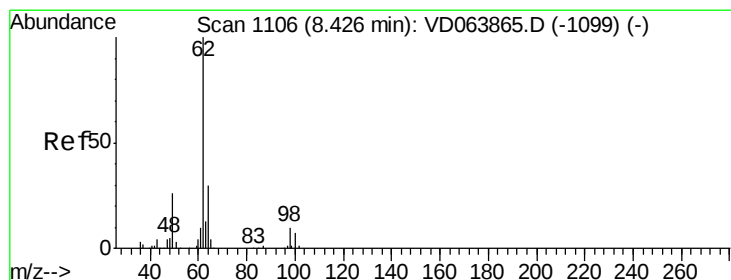
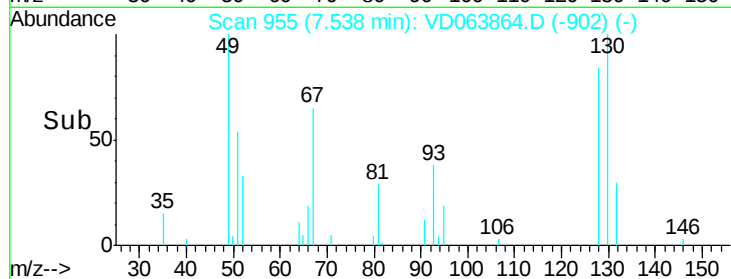
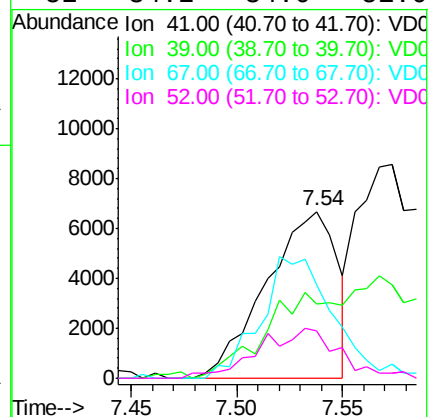
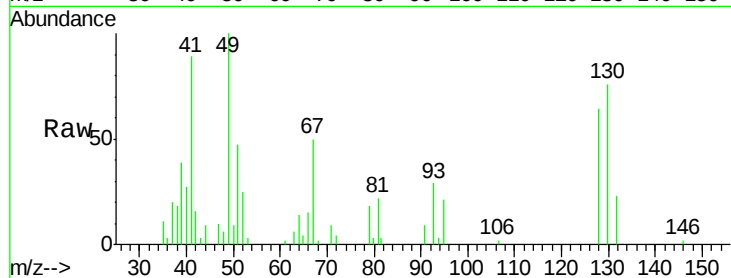
39 53.6 52.6 78.8

67 74.7 74.2 111.2

52 34.2 34.0 51.0

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 21.245 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD063864.D

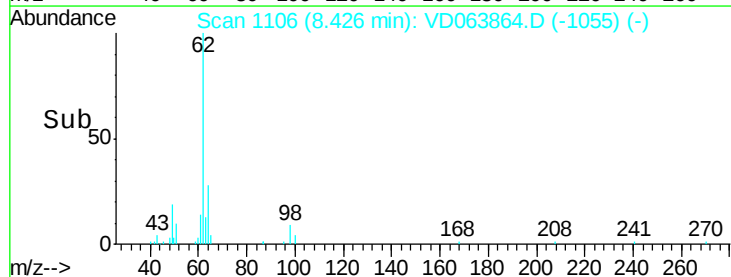
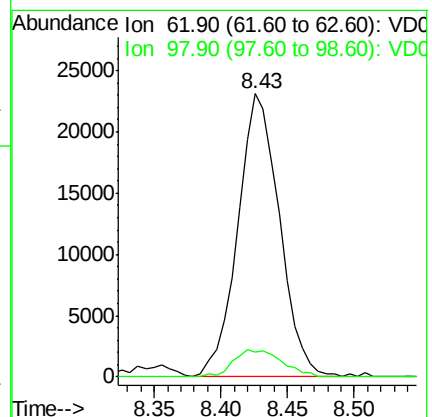
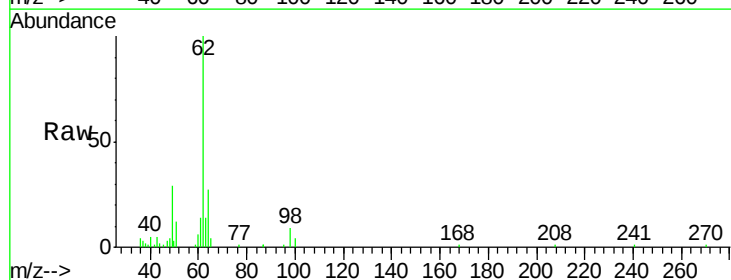
Acq: 02 Oct 2019 17:17

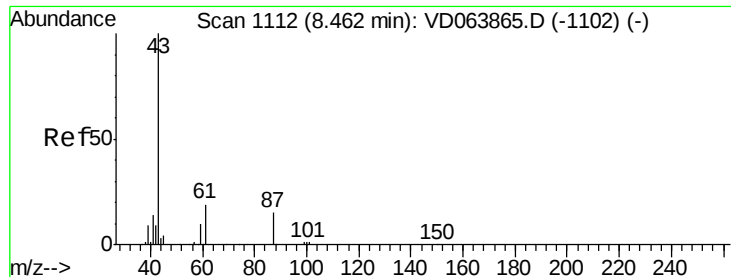
Tgt Ion: 62 Resp: 50086

Ion Ratio Lower Upper

62 100

98 11.1 0.0 20.0





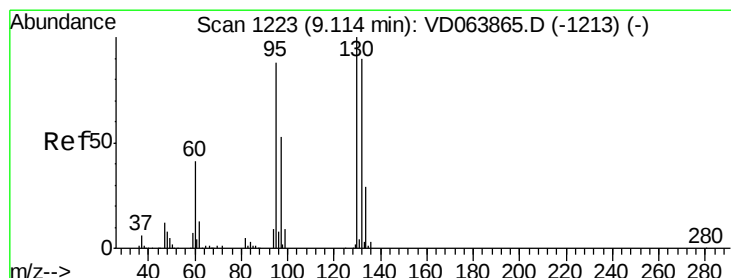
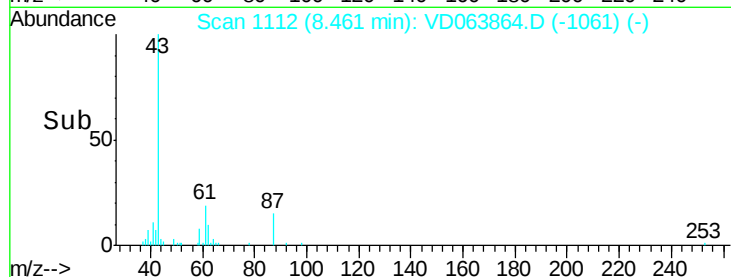
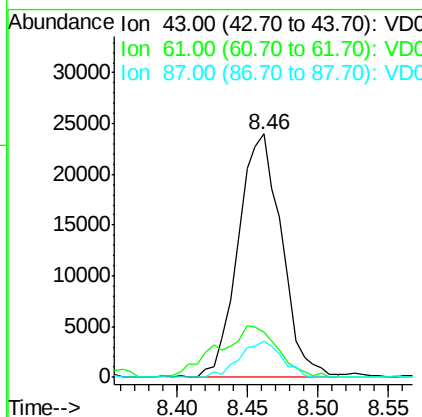
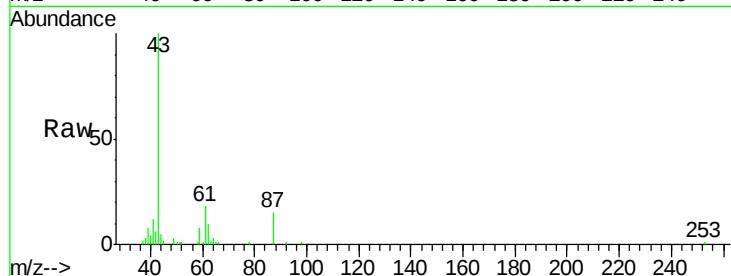
#43
Isopropyl Acetate
Concen: 21.091 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.3	25.7	38.5
87	14.4	11.6	17.4

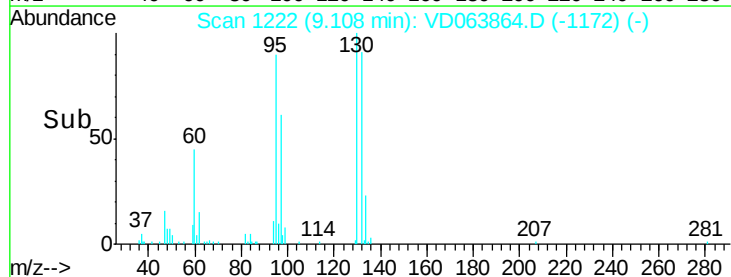
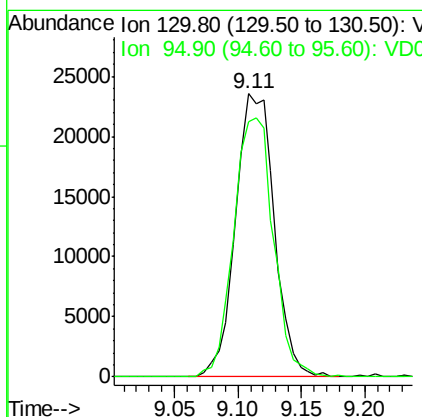
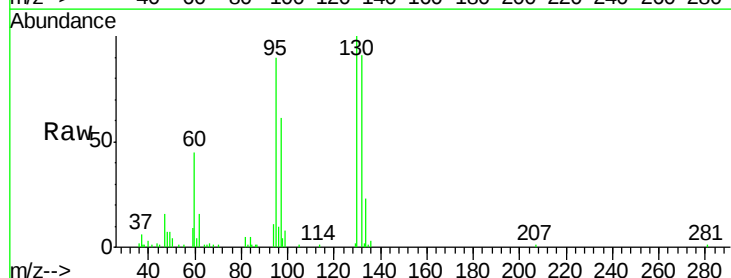
Manual Integrations
APPROVED

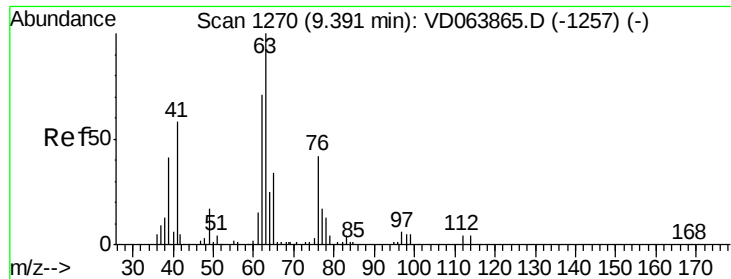
MMDadoda
10/3/2019 12:54:59 PM



#44
Trichloroethene
Concen: 21.398 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.4	0.0	175.6





#45

1,2-Dichloropropane

Concen: 20.687 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 63 Resp: 41189

Ion Ratio Lower Upper

63 100

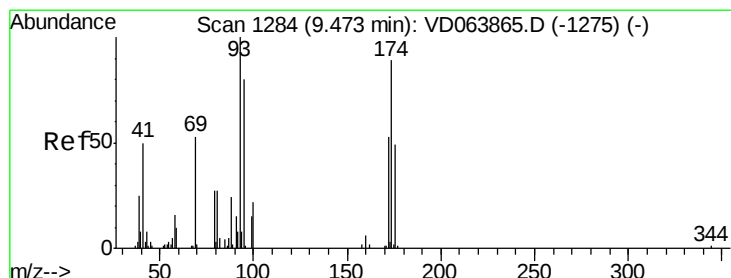
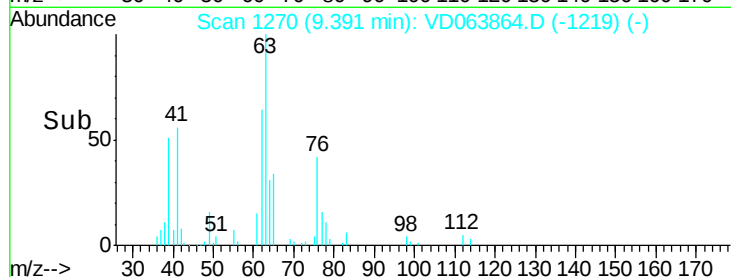
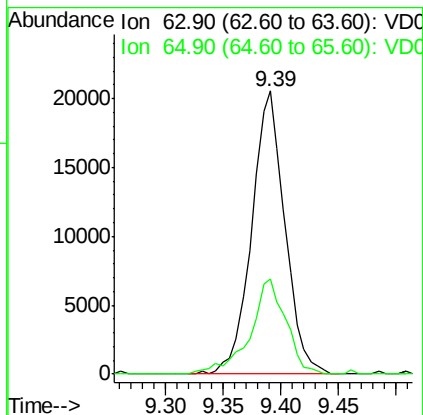
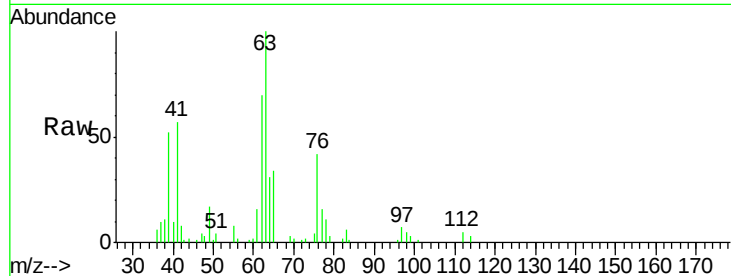
65 33.5 27.3 40.9

Manual Integrations

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10/3/2019 12:54:59 PM



#46

Dibromomethane

Concen: 20.605 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

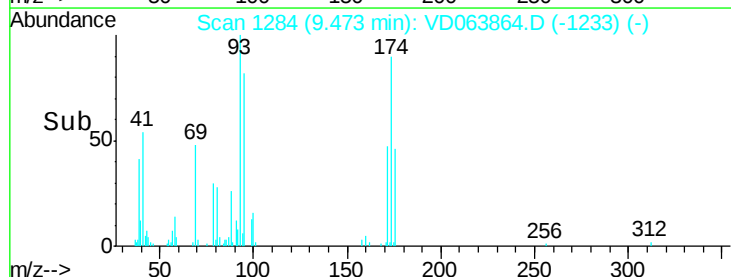
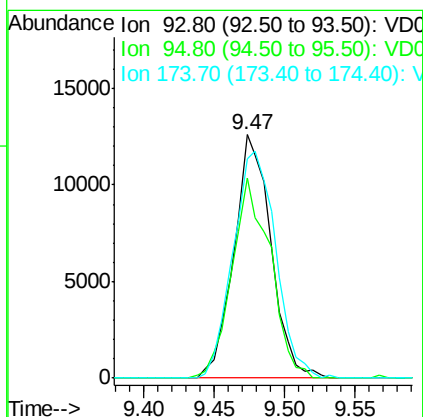
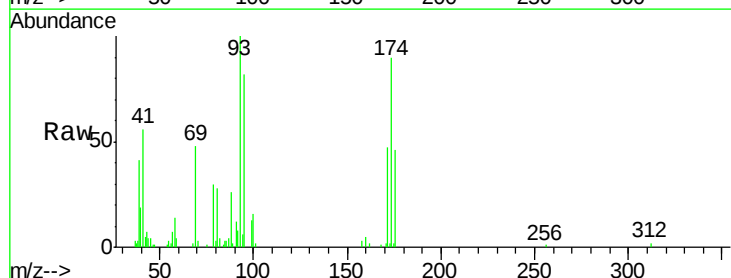
Tgt Ion: 93 Resp: 23196

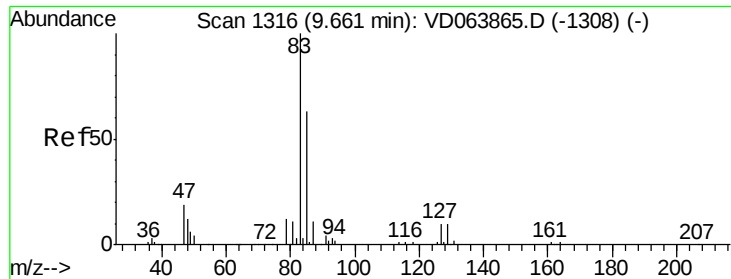
Ion Ratio Lower Upper

93 100

95 85.1 66.0 99.0

174 107.2 83.4 125.0





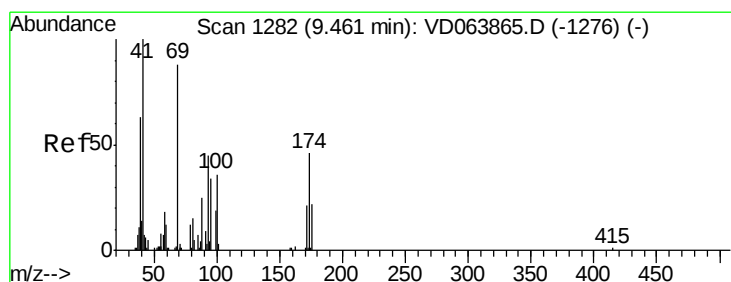
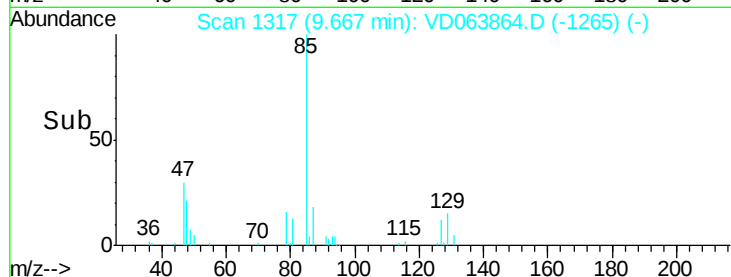
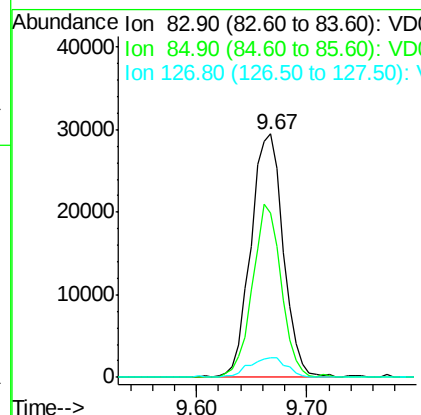
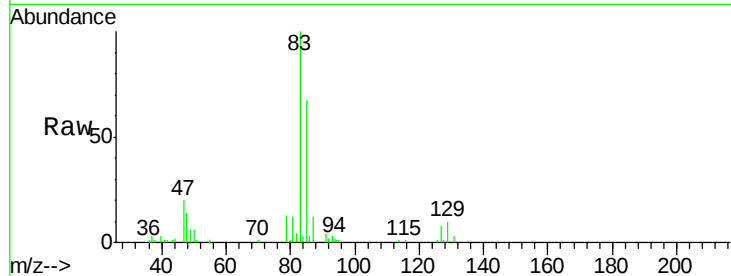
#47
Bromodichloromethane
Concen: 21.086 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
83	100		
85	67.5	50.2	75.2
127	7.8	7.6	11.4

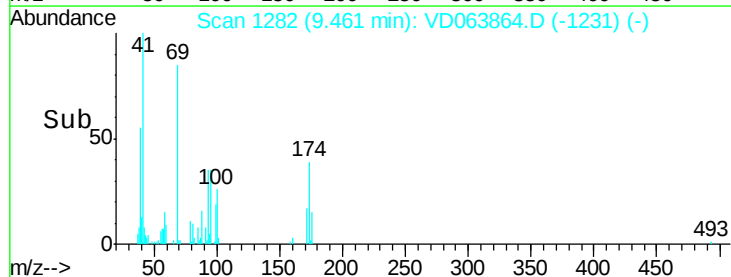
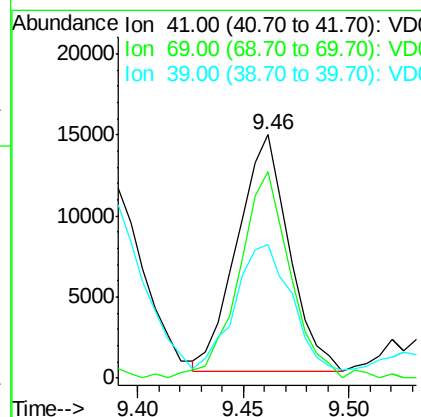
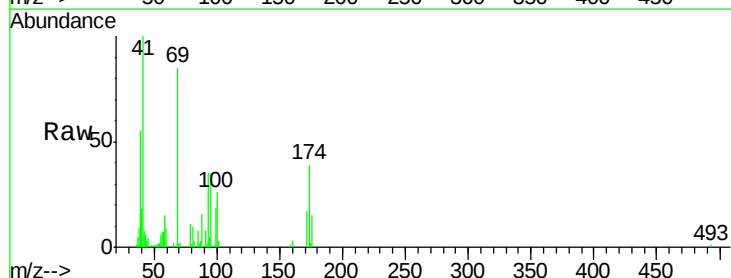
Manual Integrations
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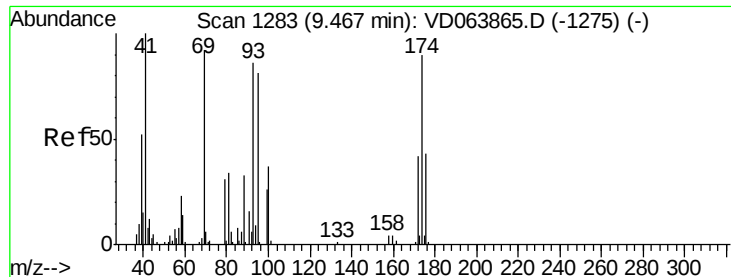
MMDadoda
10/3/2019 12:54:59 PM



#48
Methyl methacrylate
Concen: 22.411 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
41	100		
69	86.8	75.1	112.7
39	64.8	50.2	75.2





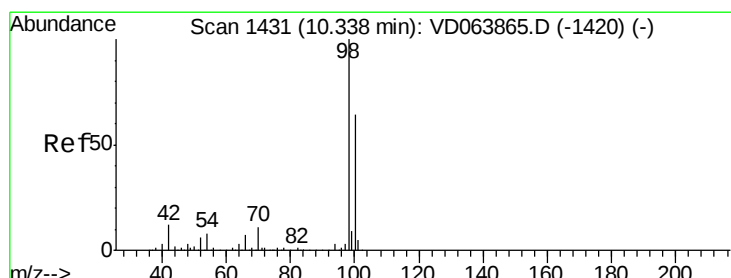
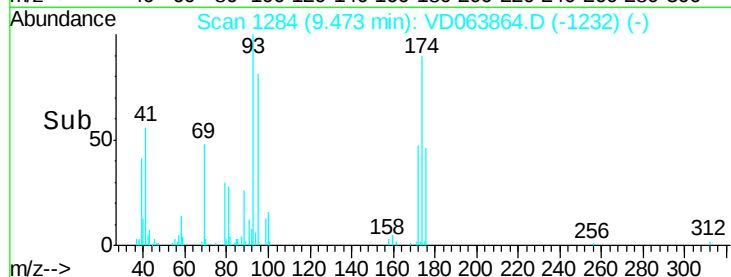
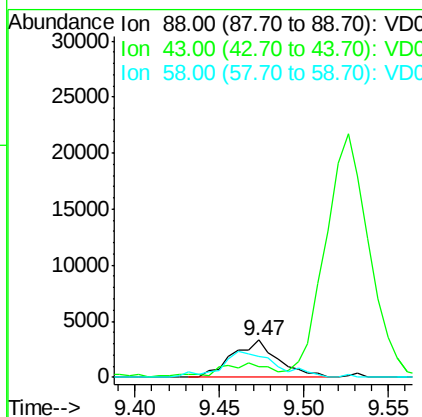
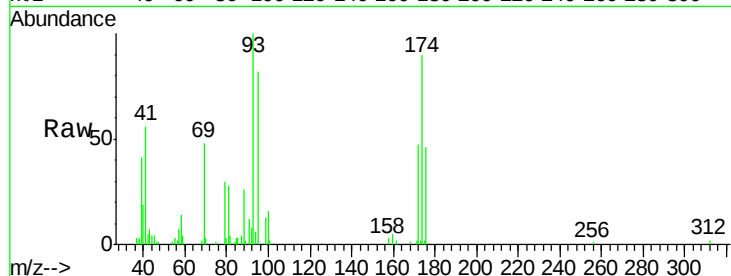
#49
1,4-Dioxane
Concen: 387.375 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	45.0	27.6	41.4#
58	83.4	54.1	81.1#

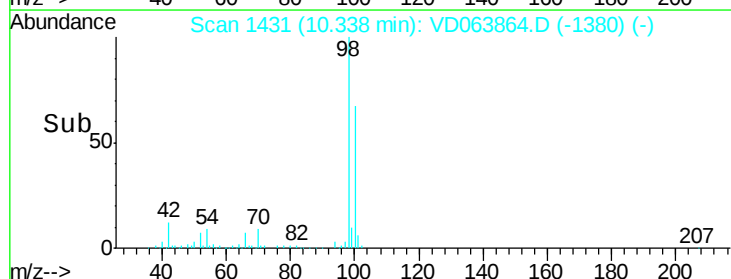
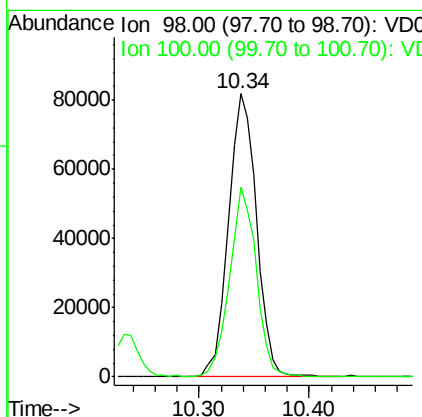
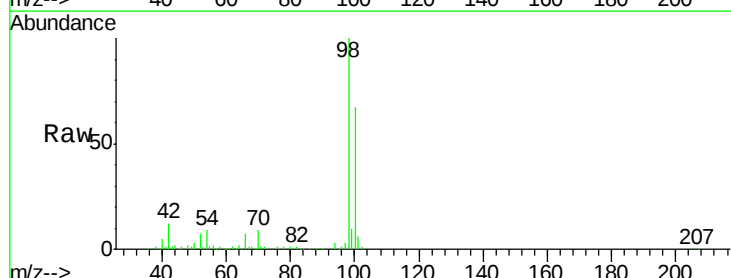
Manual Integrations
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10/3/2019 12:54:59 PM



#50
Toluene-d8
Concen: 19.091 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 105.967 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 131381

Ion Ratio Lower Upper

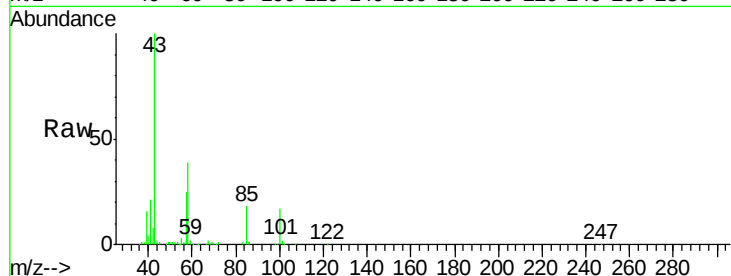
43 100

58 38.5 33.0 49.4

Manual Integrations
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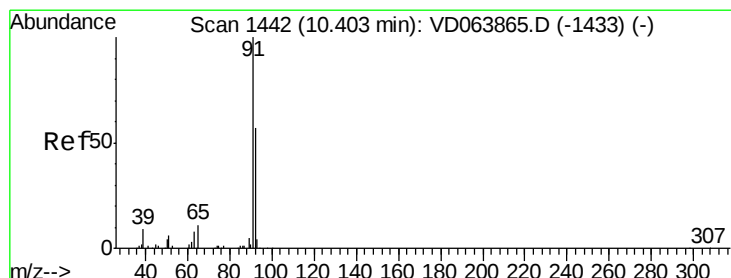
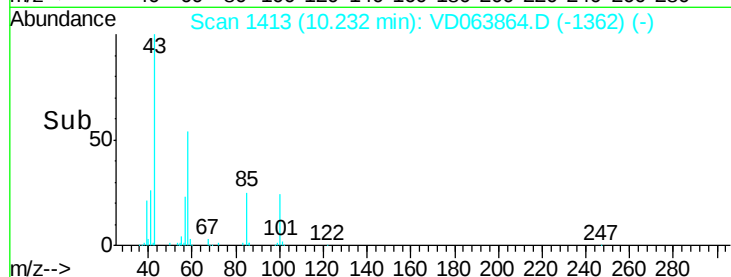
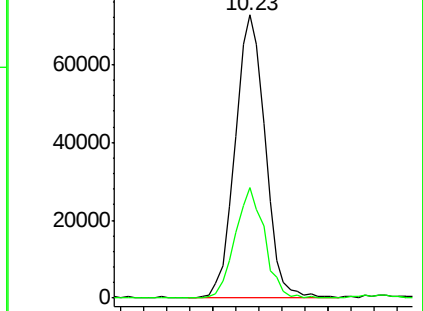
MMDadoda

10/3/2019 12:54:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.247 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063864.D

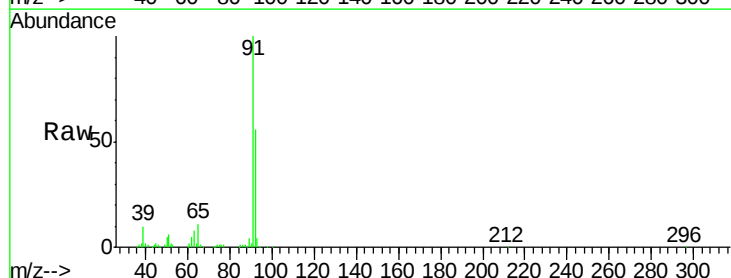
Acq: 02 Oct 2019 17:17

Tgt Ion: 92 Resp: 116202

Ion Ratio Lower Upper

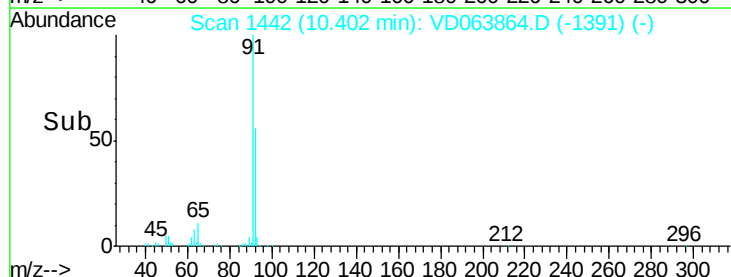
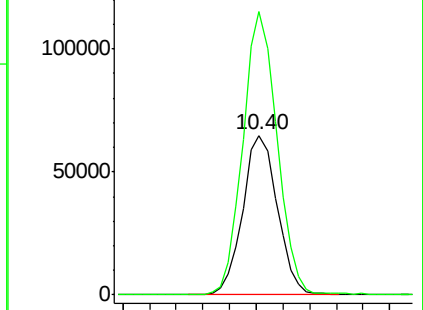
92 100

91 175.6 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





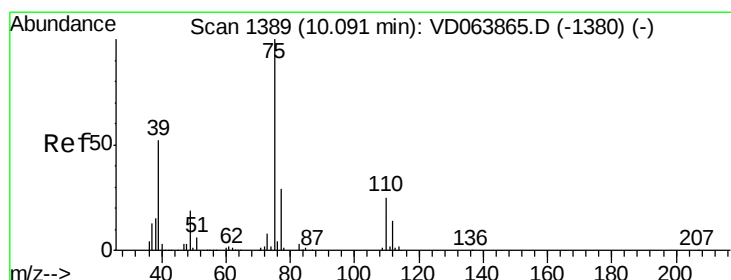
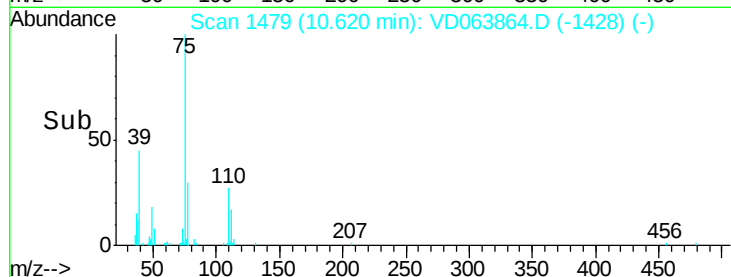
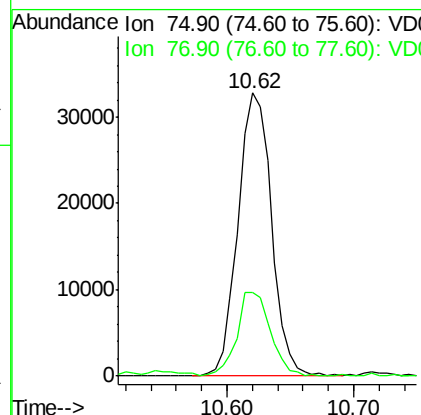
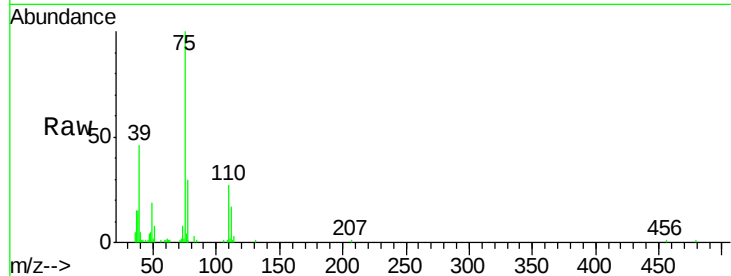
#53
t-1,3-Dichloropropene
Concen: 20.942 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 75 Resp: 60064
Ion Ratio Lower Upper
75 100
77 29.1 22.8 34.2

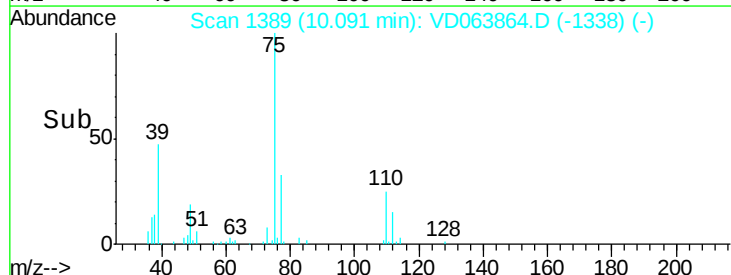
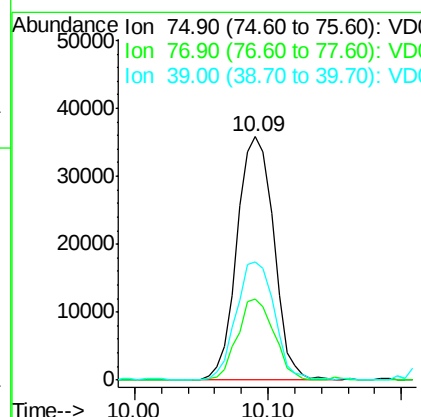
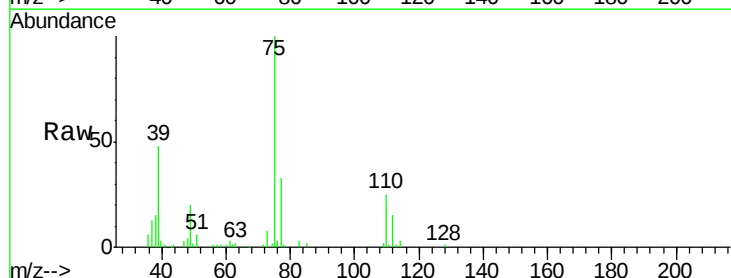
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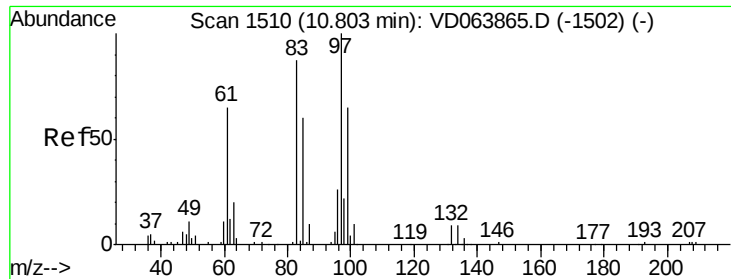
MMDadoda
10/3/2019 12:54:59 PM



#54
cis-1,3-Dichloropropene
Concen: 21.049 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion: 75 Resp: 68367
Ion Ratio Lower Upper
75 100
77 33.4 23.2 34.8
39 48.5 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 20.990 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

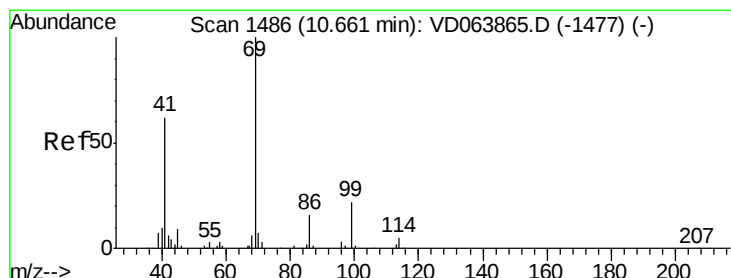
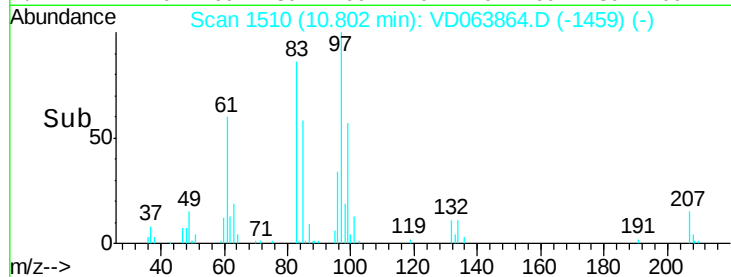
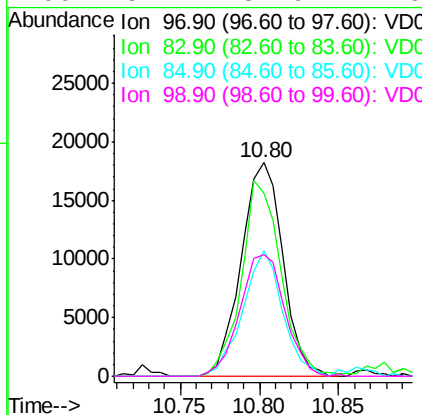
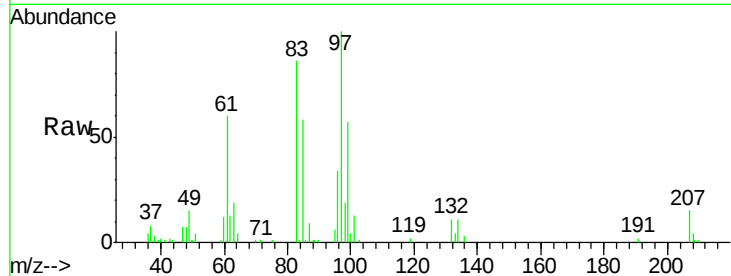
ClientSampleId :

VSTDIC020

Tot Ion:	97	Resp:	33268
Ion	Ratio	Lower	Upper
97	100		
83	85.9	69.7	104.5
85	58.5	48.1	72.1
99	57.2	51.9	77.9

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#56

Ethyl methacrylate

Concen: 20.863 ug/l

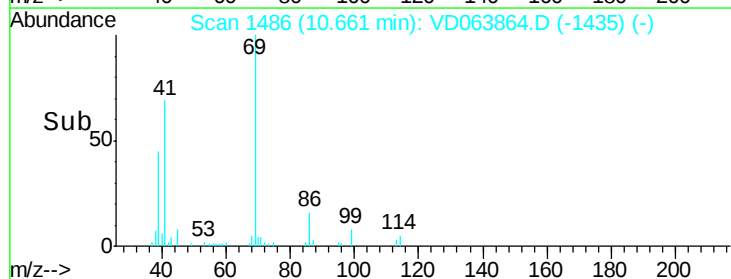
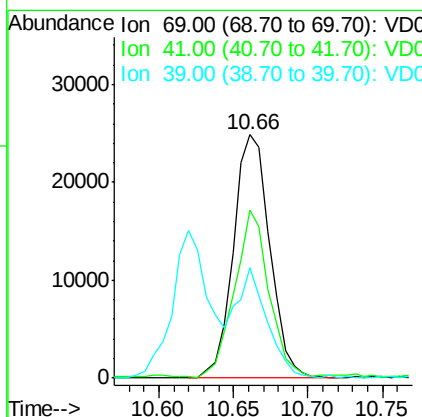
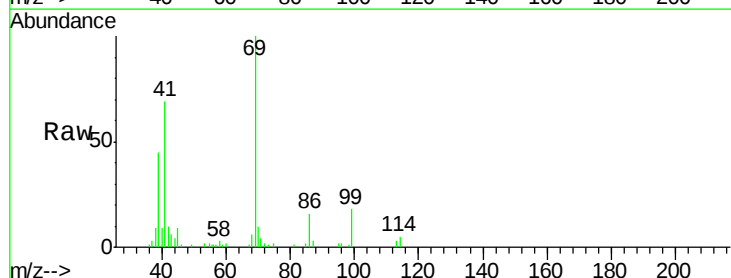
RT: 10.66 min Scan# 1486

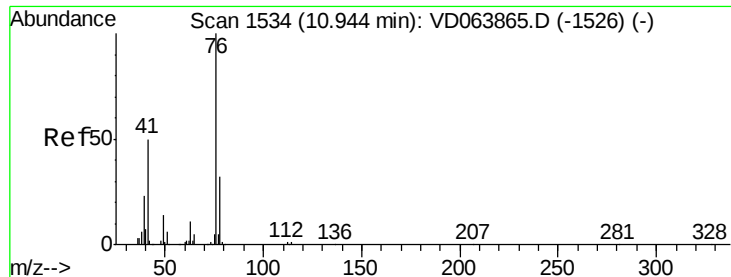
Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Tgt Ion:	69	Resp:	42162
Ion	Ratio	Lower	Upper
69	100		
41	64.4	51.3	76.9
39	39.1	28.0	42.0





#57

1,3-Dichloropropane

Concen: 21.323 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 76 Resp: 57808

Ion Ratio Lower Upper

76 100

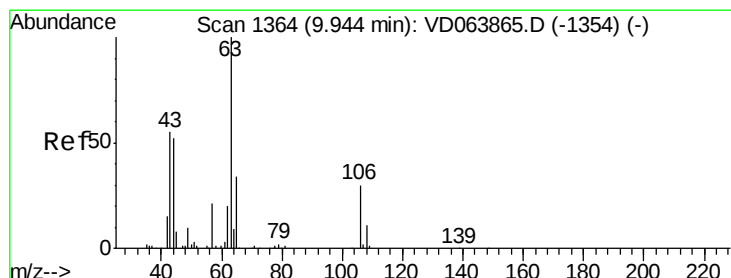
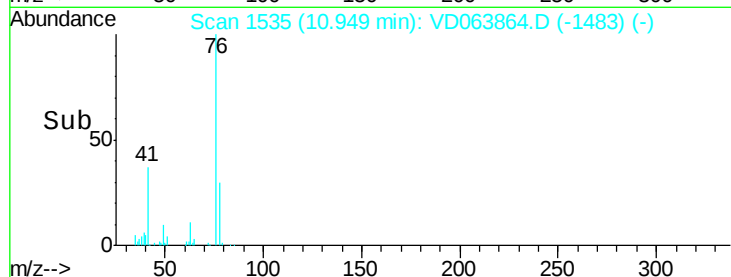
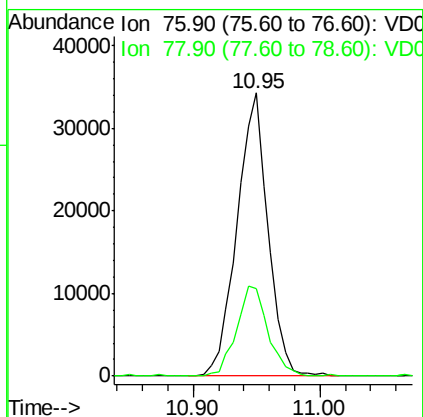
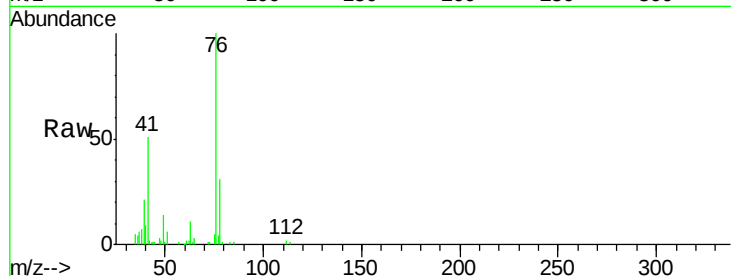
78 32.2 26.6 40.0

Manual Integrations

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10/3/2019 12:54:59 PM



#58

2-Chloroethyl Vinyl ether

Concen: 91.016 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD063864.D

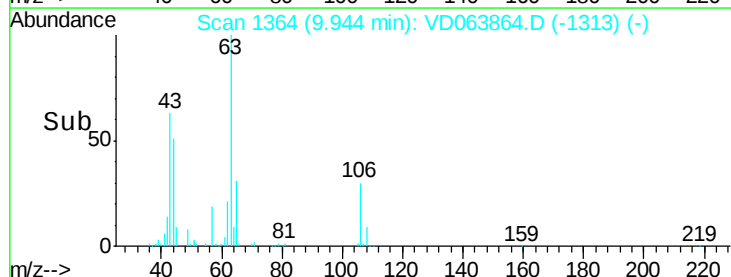
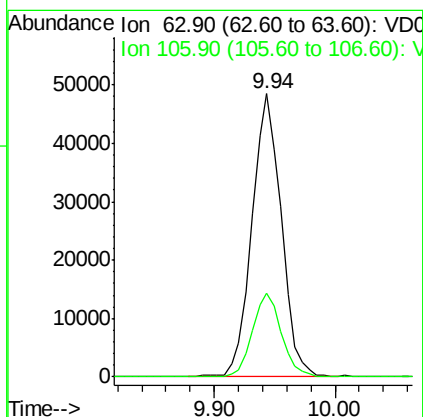
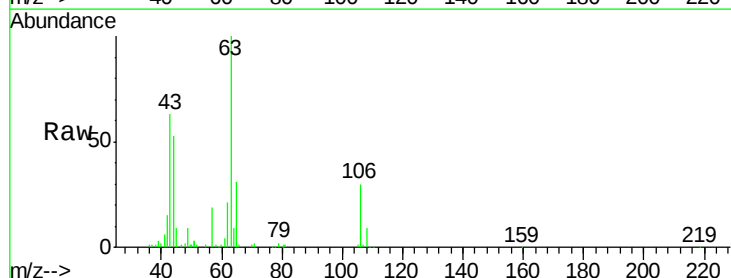
Acq: 02 Oct 2019 17:17

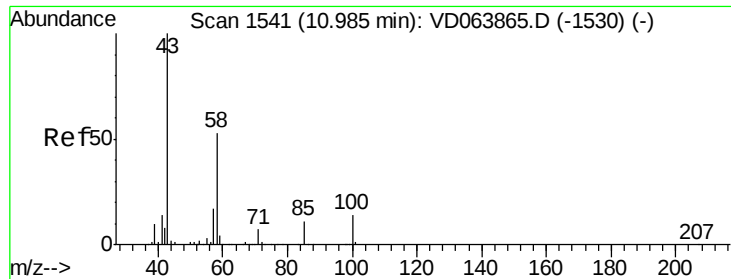
Tgt Ion: 63 Resp: 82174

Ion Ratio Lower Upper

63 100

106 29.0 24.3 36.5





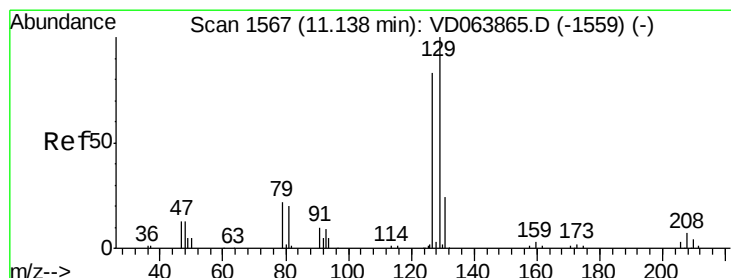
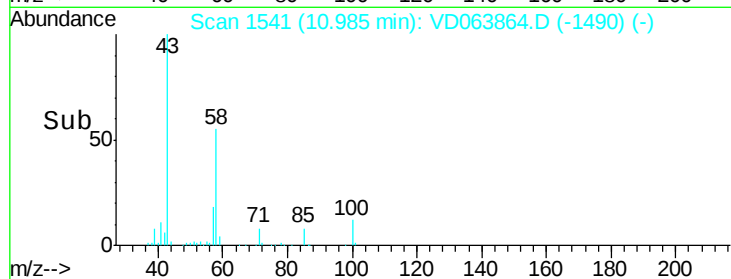
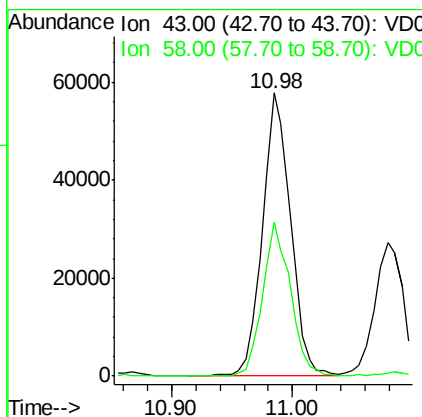
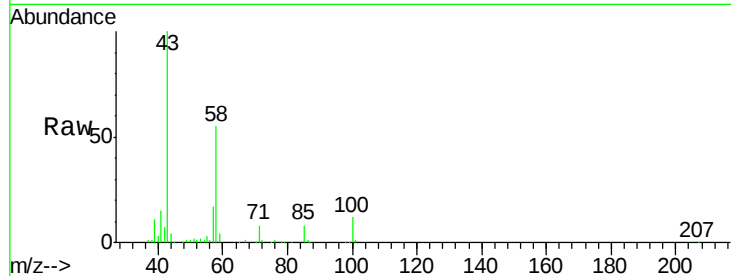
#59
2-Hexanone
Concen: 103.546 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 43 Resp: 93101
Ion Ratio Lower Upper
43 100
58 54.1 27.7 83.0

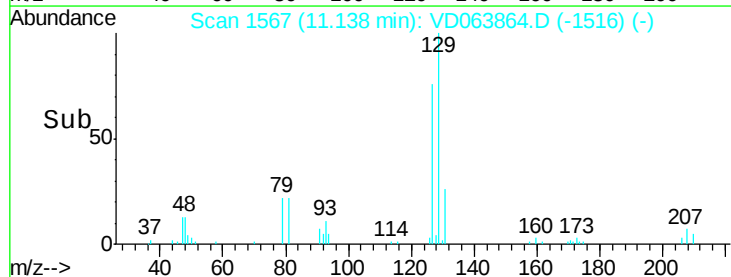
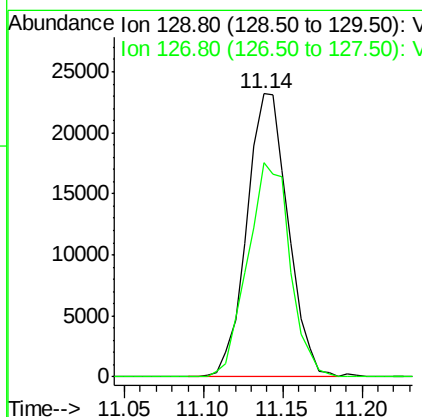
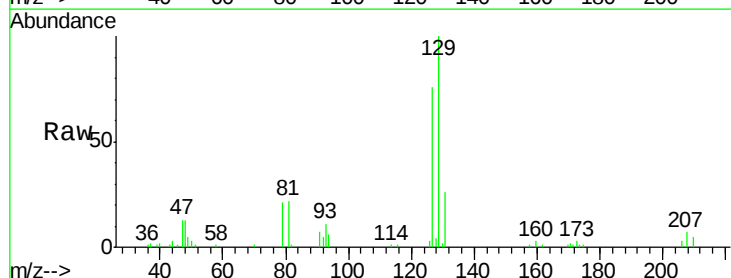
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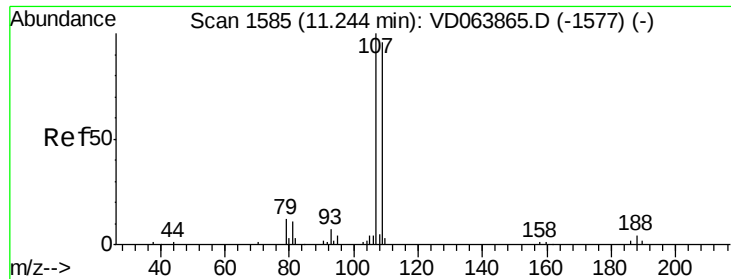
MMDadoda
10/3/2019 12:54:59 PM



#60
Dibromochloromethane
Concen: 20.106 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion: 129 Resp: 42101
Ion Ratio Lower Upper
129 100
127 77.7 39.9 119.6





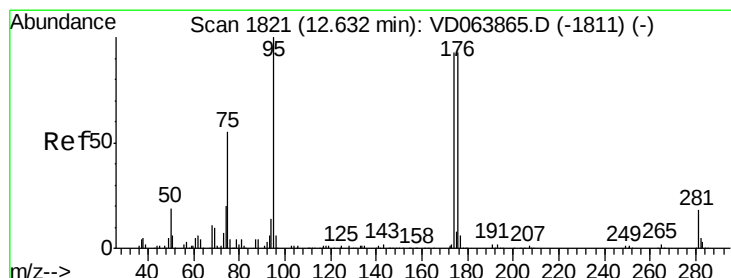
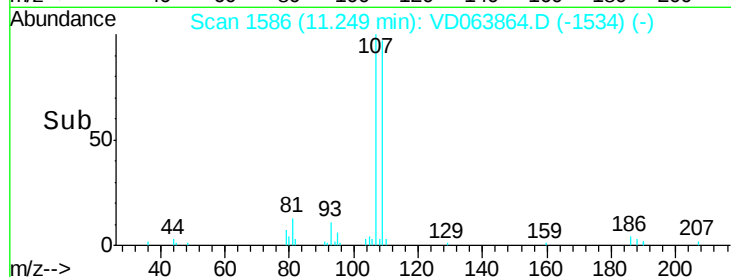
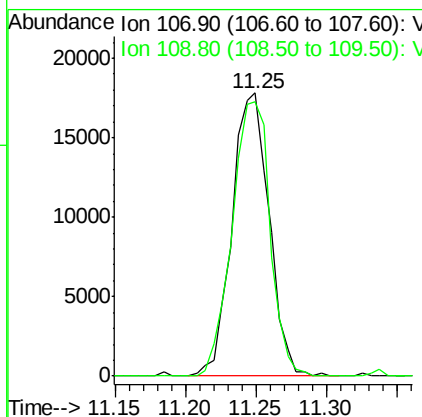
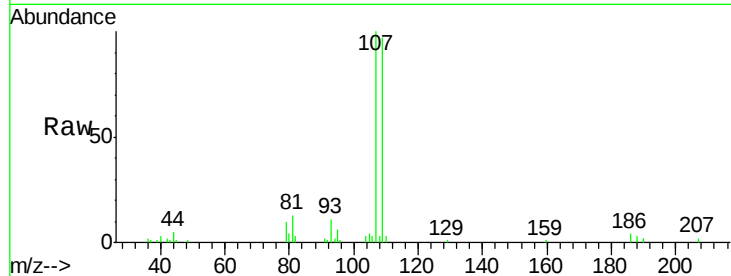
#61
 1,2-Dibromoethane
 Concen: 20.572 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion: 107 Resp: 32713
 Ion Ratio Lower Upper
 107 100
 109 99.0 75.2 112.8

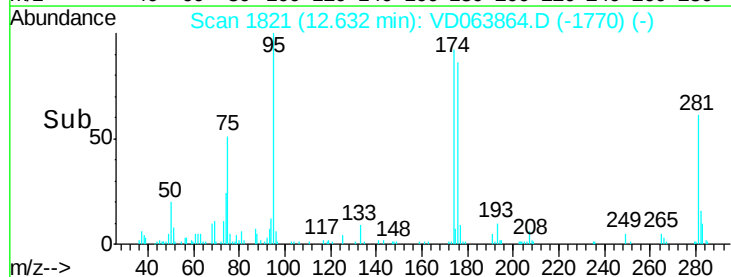
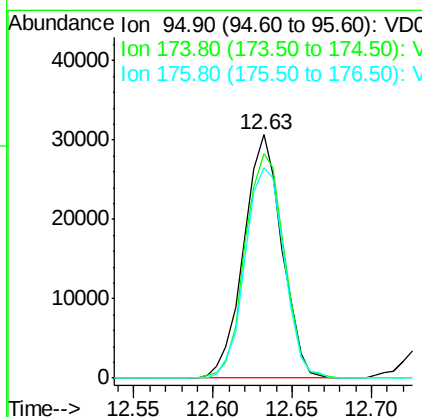
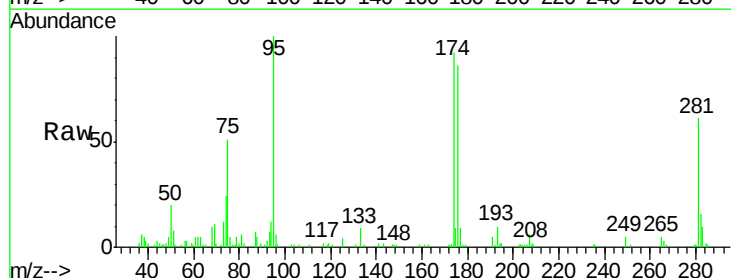
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 10/3/2019 12:54:59 PM



#62
 4-Bromofluorobenzene
 Concen: 18.640 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Tgt Ion: 95 Resp: 51346
 Ion Ratio Lower Upper
 95 100
 174 94.4 0.0 186.4
 176 88.9 0.0 184.2





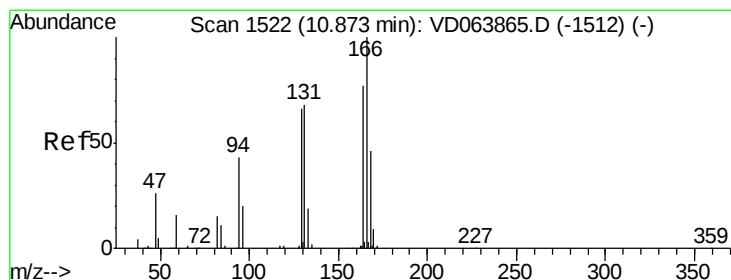
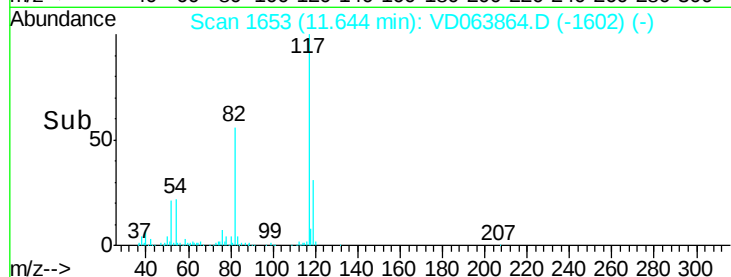
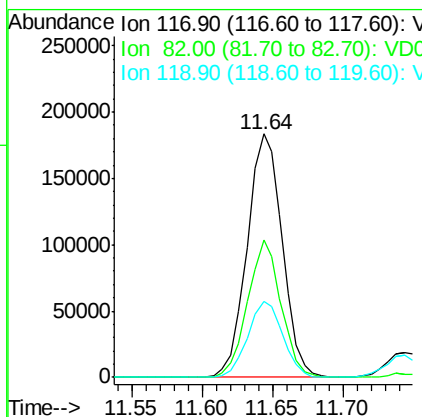
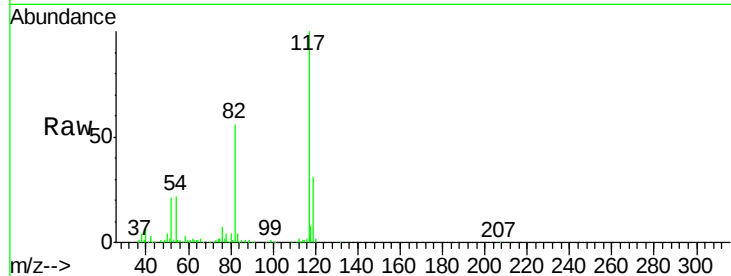
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
117	100	320589		
82	56.4		42.8	64.2
119	31.3		24.4	36.6

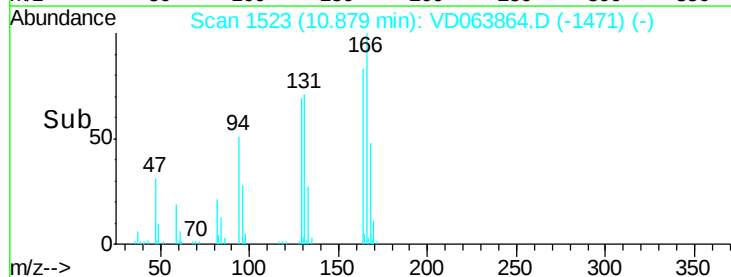
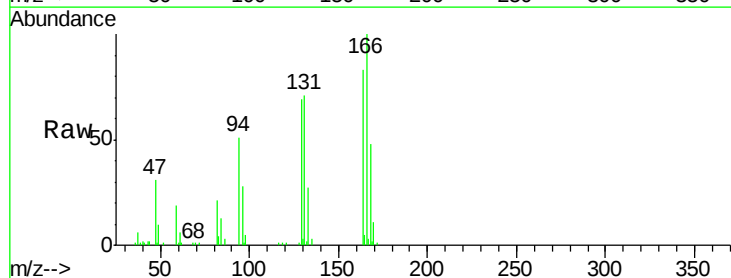
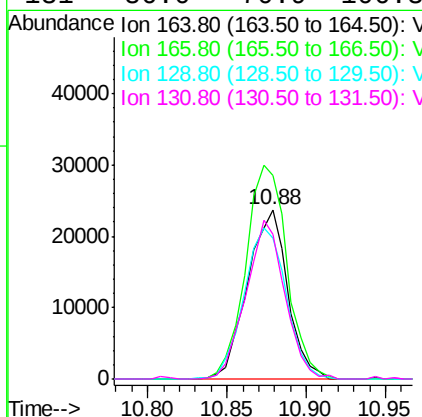
Manual Integrations
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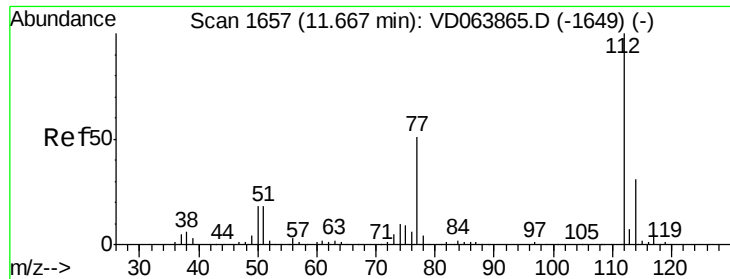
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10/3/2019 12:54:59 PM



#64
Tetrachloroethene
Concen: 19.455 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	41620		
166	120.5		103.8	155.6
129	83.7		68.9	103.3
131	86.0		70.9	106.3





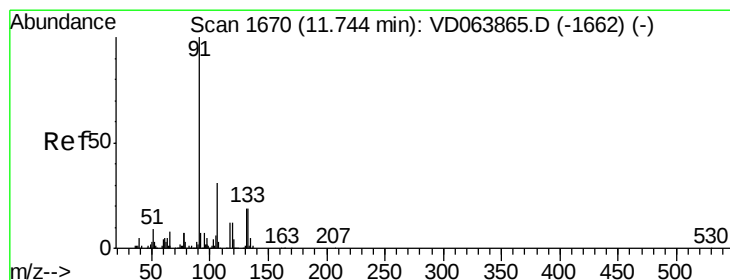
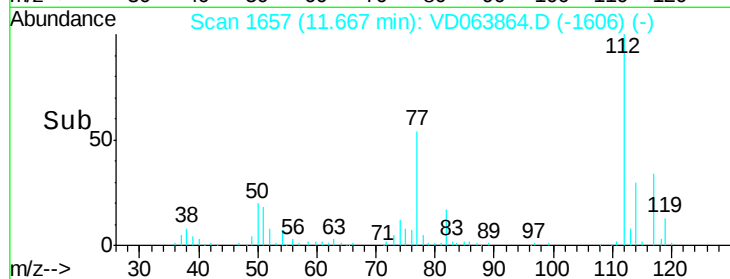
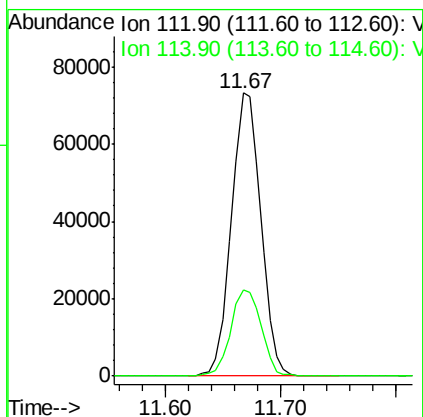
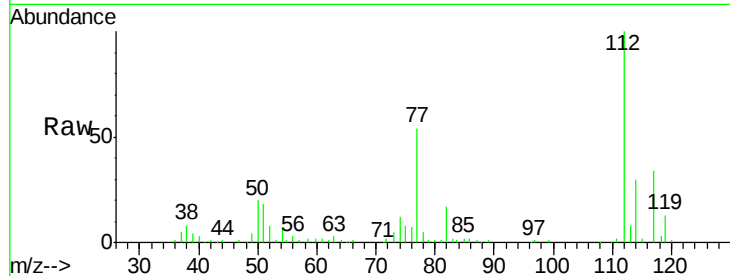
#65
Chlorobenzene
Concen: 20.145 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion:112 Resp: 129223
Ion Ratio Lower Upper
112 100
114 30.4 25.1 37.7

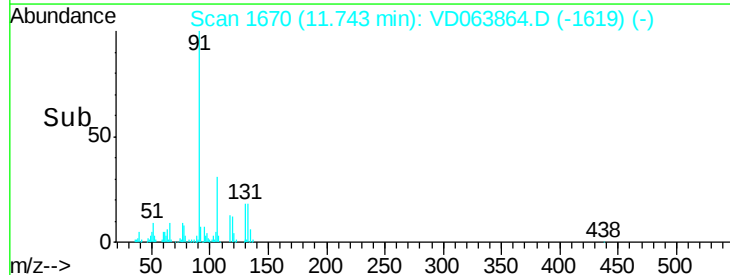
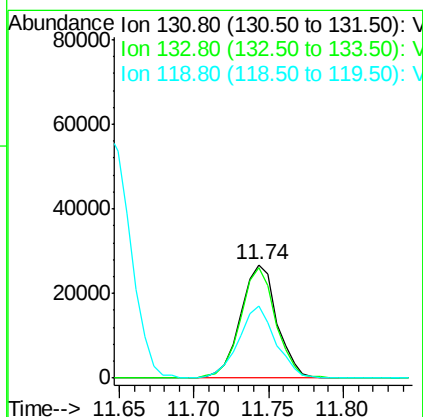
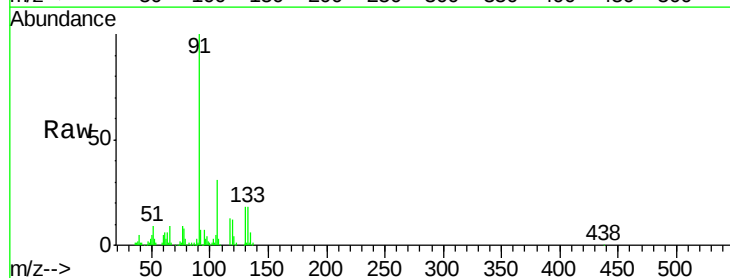
Manual Integrations
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10/3/2019 12:54:59 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.243 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion:131 Resp: 45288
Ion Ratio Lower Upper
131 100
133 94.6 48.9 146.7
119 64.3 32.6 97.8





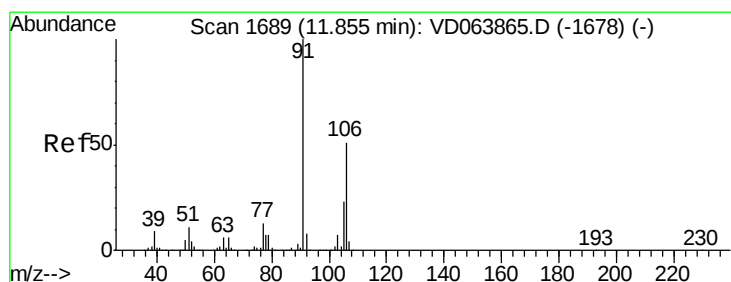
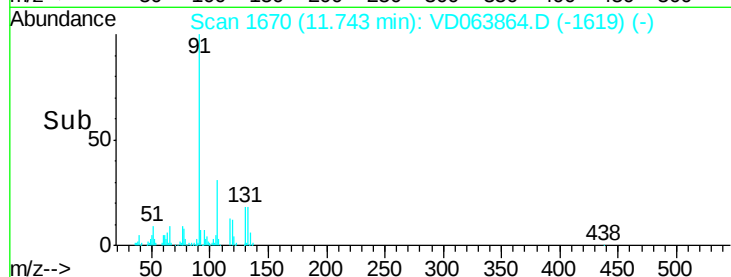
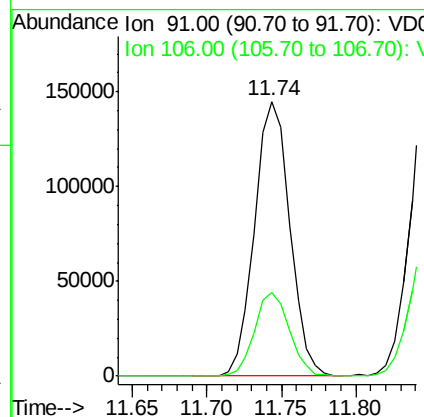
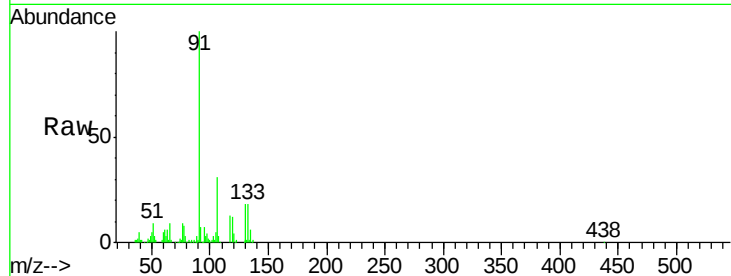
#67
Ethyl Benzene
Concen: 20.538 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	30.6	24.6	37.0	

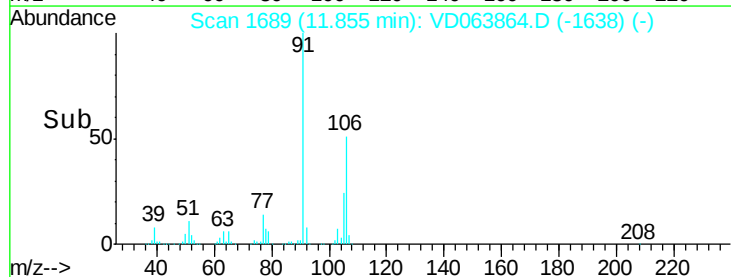
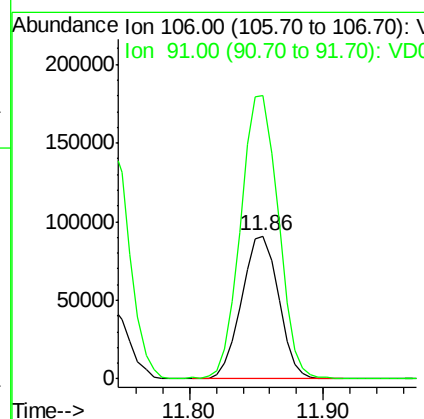
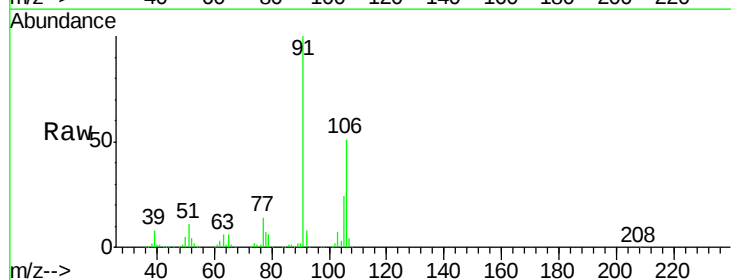
Manual Integrations
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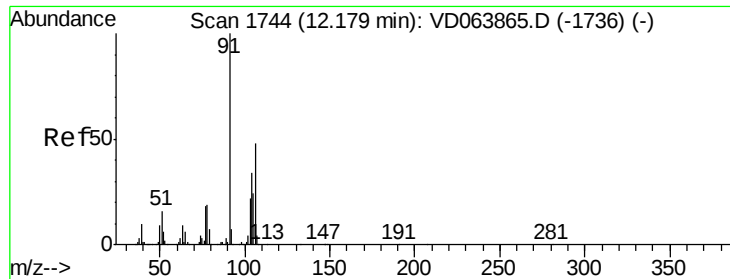
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#68
m/p-Xylenes
Concen: 39.403 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	201.1	154.8	232.2	





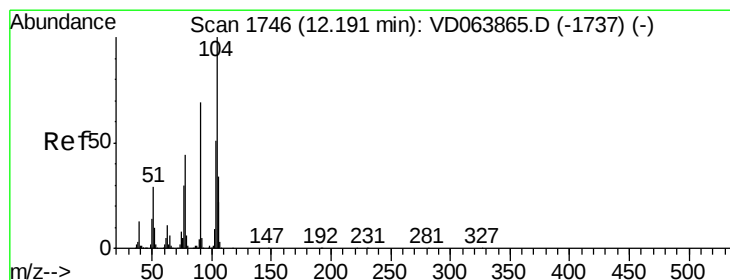
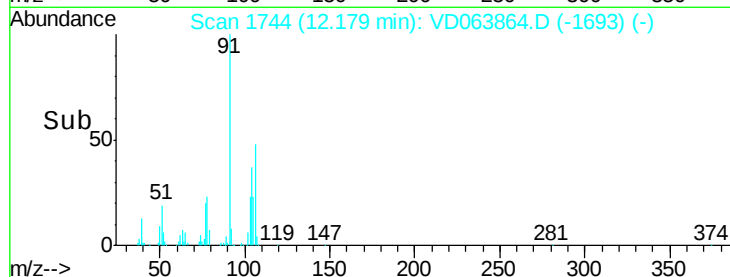
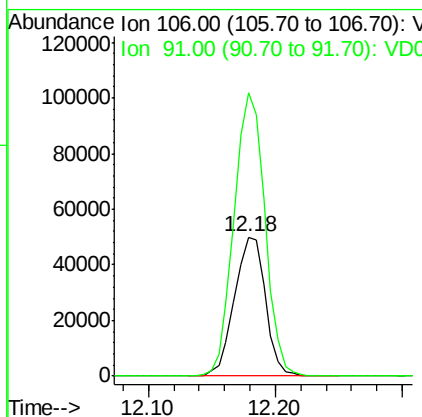
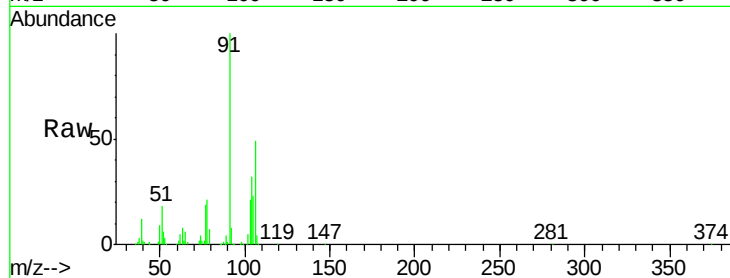
#69
o-Xylene
Concen: 20.242 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.5	103.9	311.7

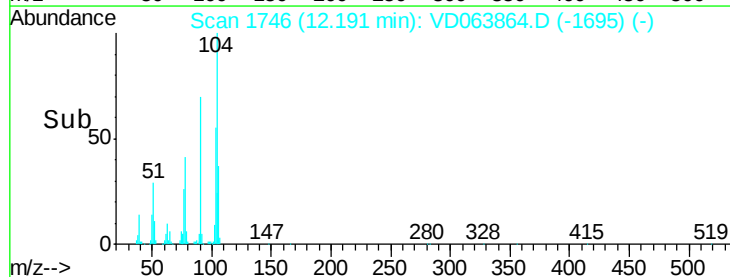
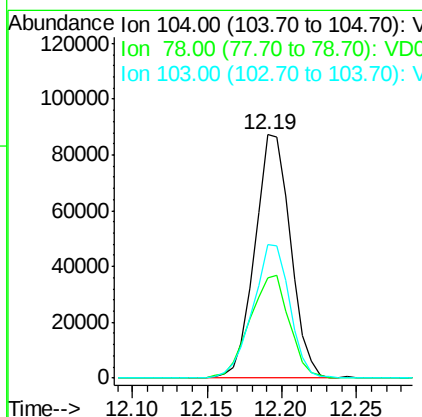
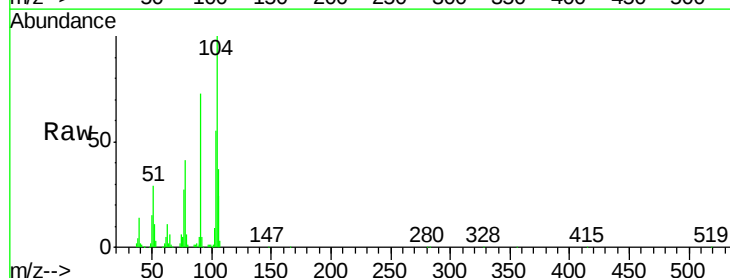
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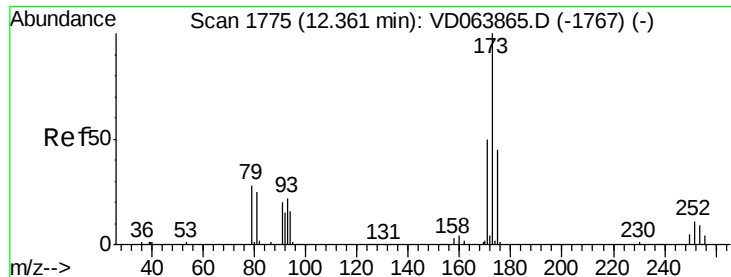
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#70
Styrene
Concen: 20.216 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.9	37.0	55.4
103	57.3	44.2	66.4





#71

Bromoform

Concen: 18.797 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:173 Resp: 24465

Ion Ratio Lower Upper

173 100

175 54.9 24.6 74.0

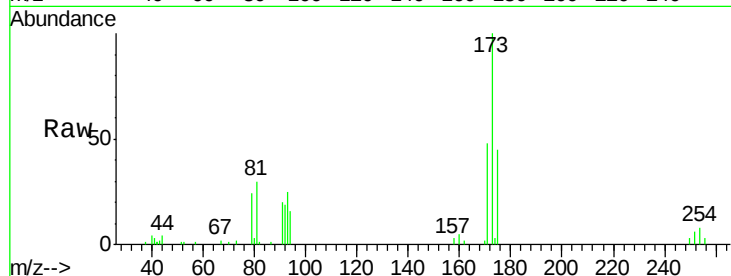
254 0.0 0.0 0.0

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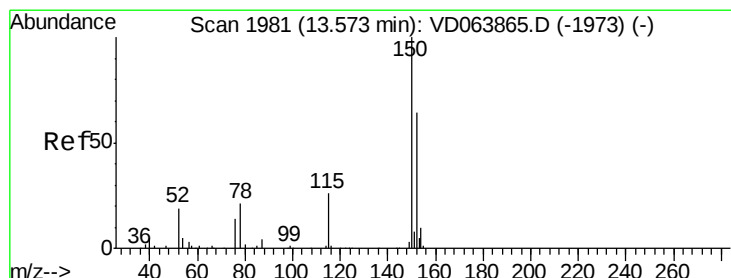
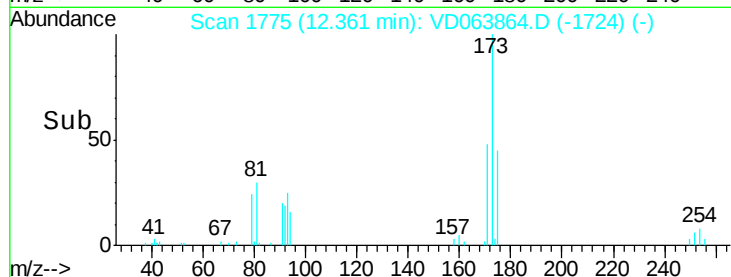
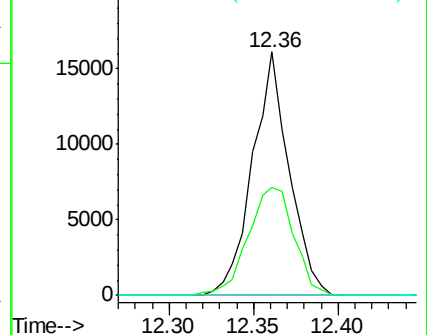
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Abundance Ion 172.70 (172.40 to 173.40): V

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: 13.57 min Scan# 1981

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

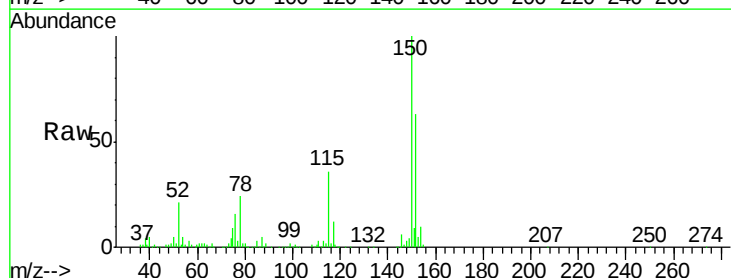
Tgt Ion:152 Resp: 169526

Ion Ratio Lower Upper

152 100

115 55.4 25.9 77.7

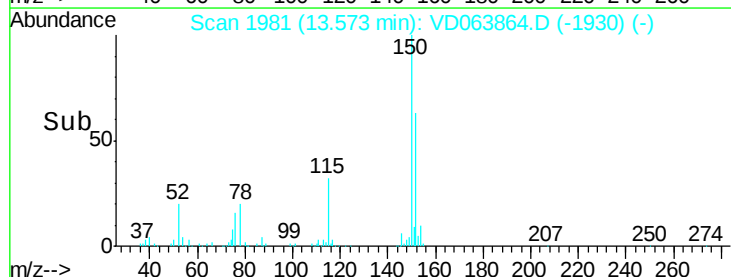
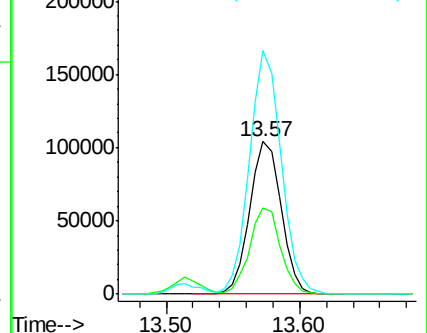
150 161.1 0.0 344.2

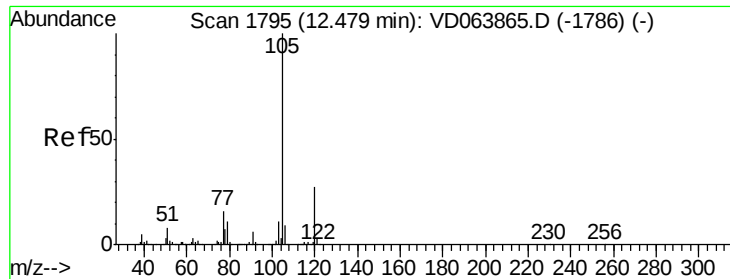


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.215 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion: 105 Resp: 231794

Ion Ratio Lower Upper

105 100

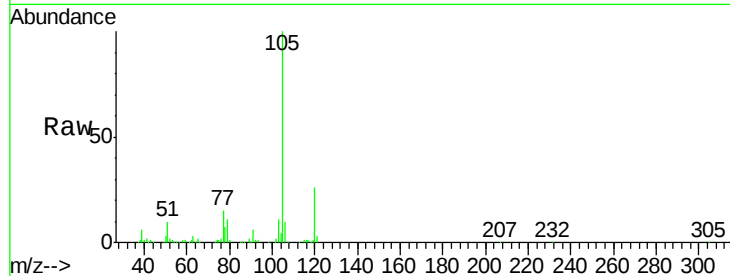
120 25.4 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

150000

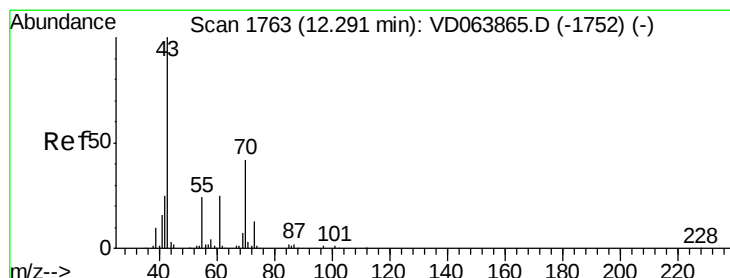
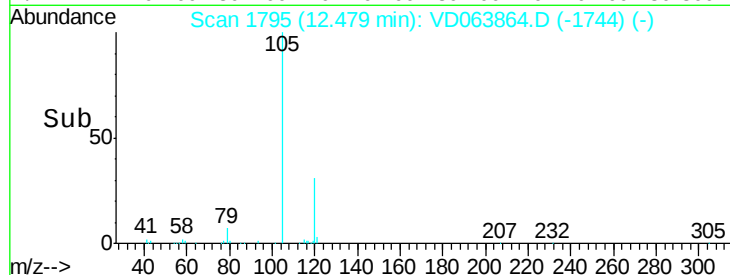
100000

50000

0

12.40 12.45 12.50 12.55

Time-->



#74

N-ethyl acetate

Concen: 20.489 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Tgt Ion: 43 Resp: 51590

Ion Ratio Lower Upper

43 100

70 41.8 35.8 53.6

55 24.2 19.4 29.0

61 26.3 20.4 30.6

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

50000

40000

30000

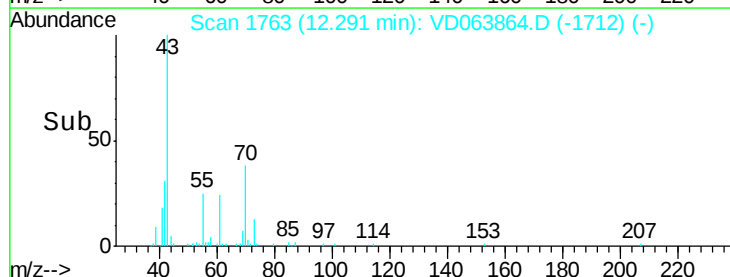
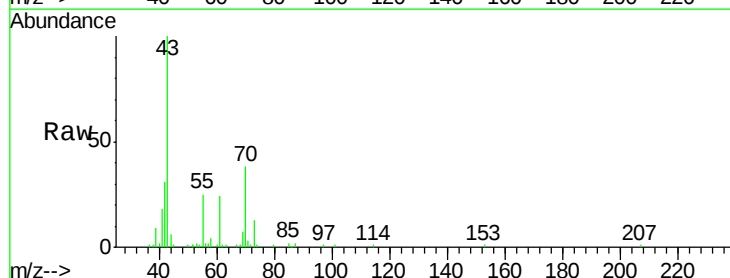
20000

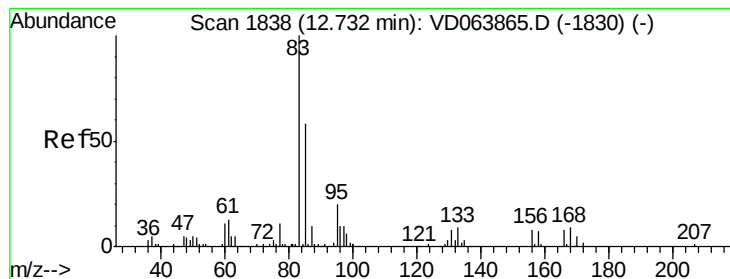
10000

0

12.20 12.25 12.30 12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.230 ug/l

RT: 12.73 min Scan# 1837

Delta R.T. -0.01 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

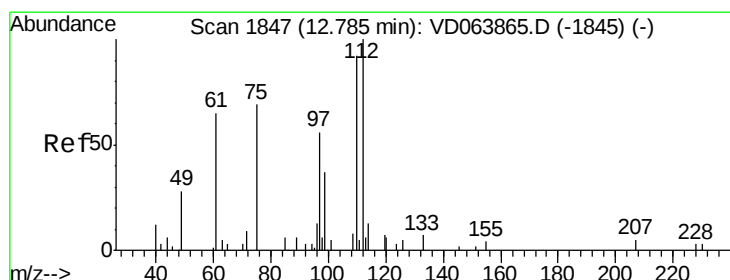
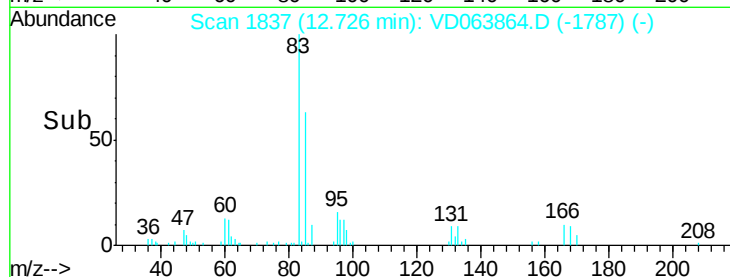
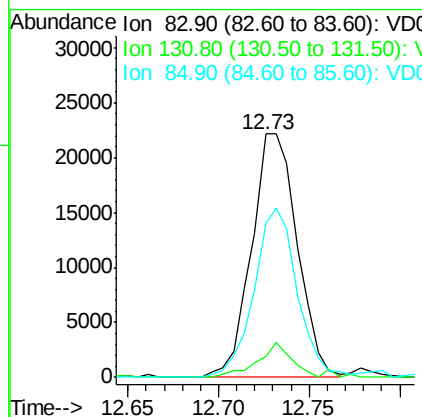
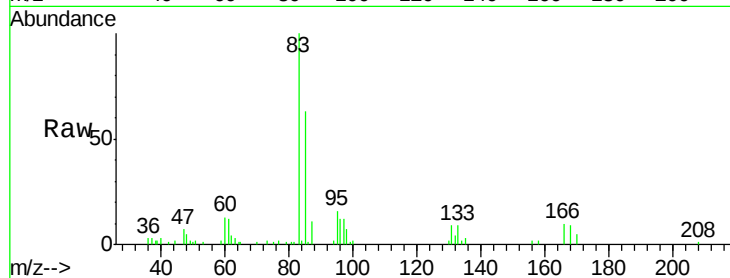
ClientSampleId :

VSTDIC020

Tot Ion:	83	Resp:	38822
Ion	Ratio	Lower	Upper
83	100		
131	10.7	5.6	16.8
85	65.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 13.355 ug/l m

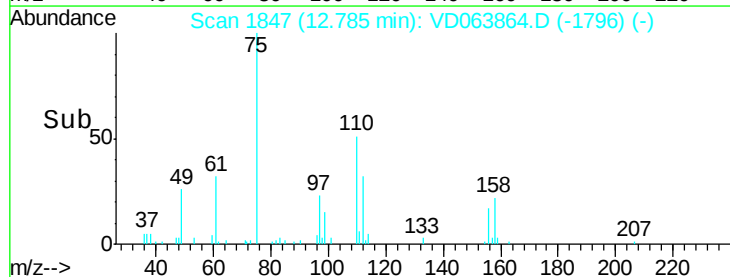
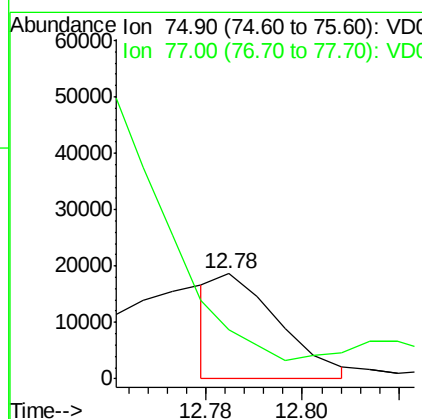
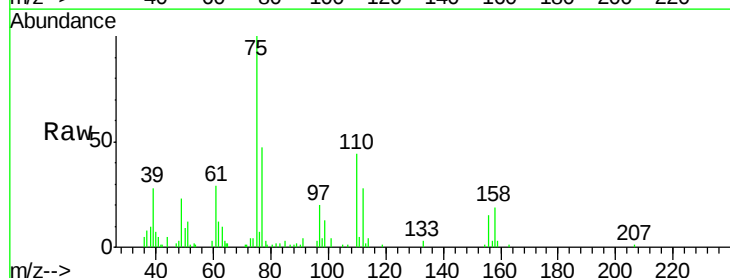
RT: 12.78 min Scan# 1847

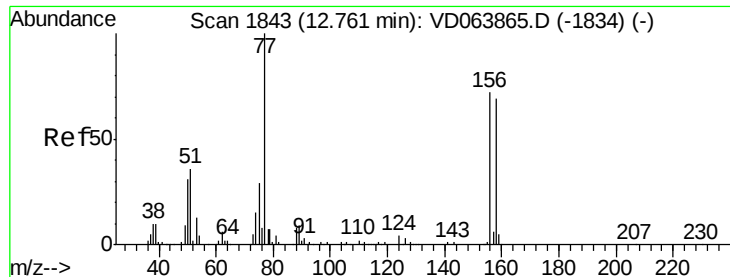
Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Tgt Ion:	75	Resp:	17073
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.034 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:156 Resp: 55508

Ion Ratio Lower Upper

156 100

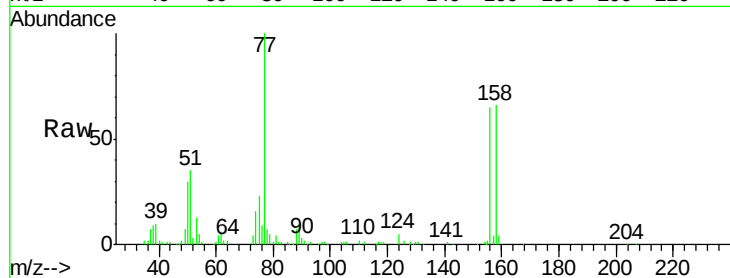
77 164.5 80.3 241.0

158 96.3 47.4 142.2

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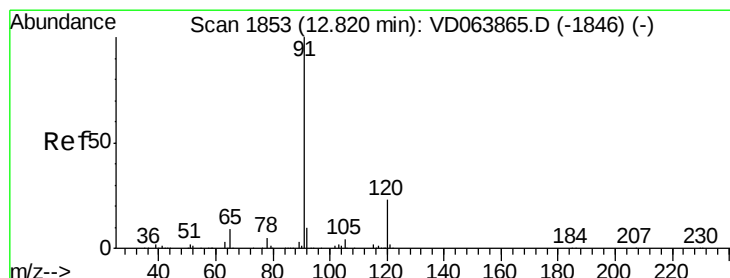
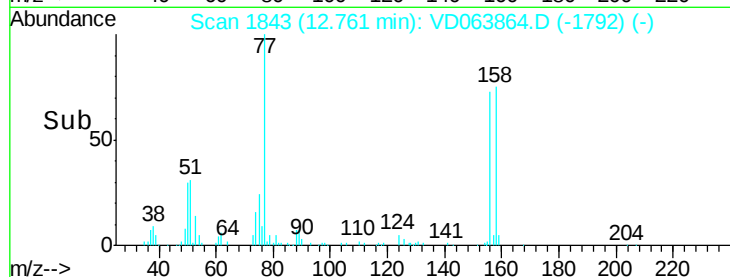
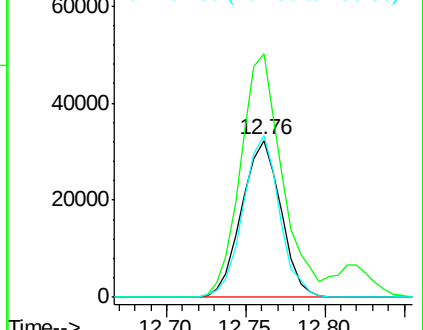
10/3/2019 12:54:59 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.894 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063864.D

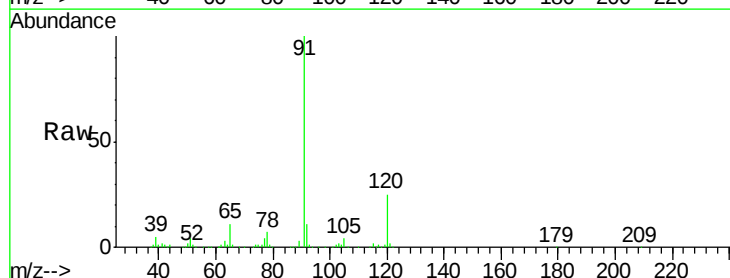
Acq: 02 Oct 2019 17:17

Tgt Ion: 91 Resp: 268613

Ion Ratio Lower Upper

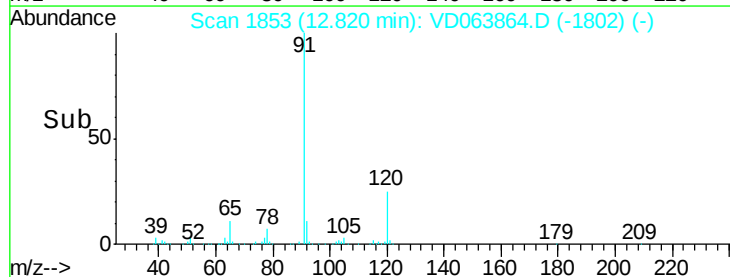
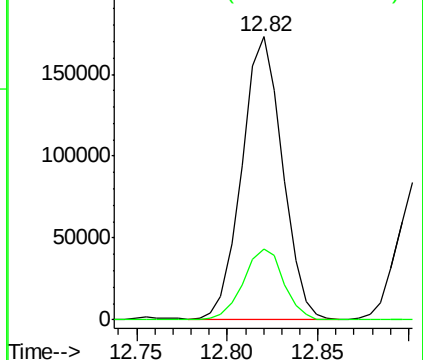
91 100

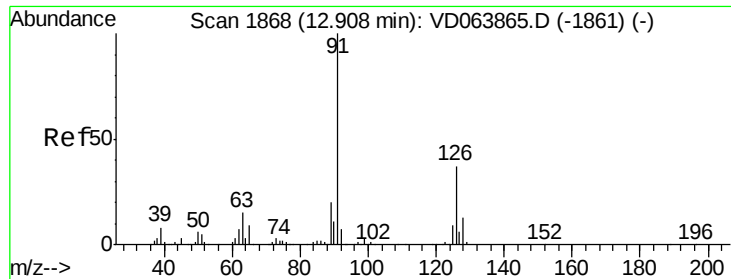
120 25.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





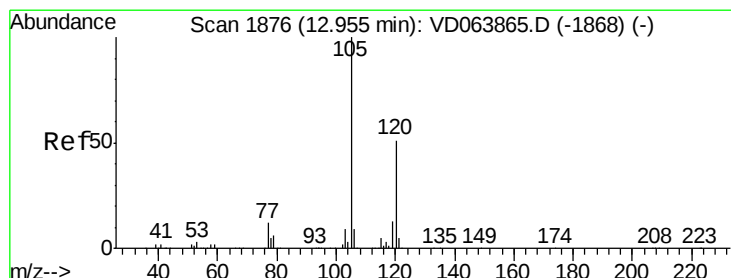
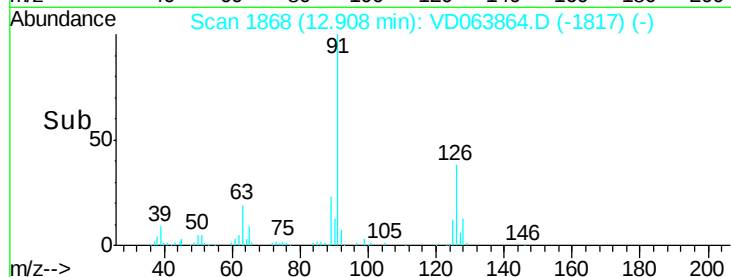
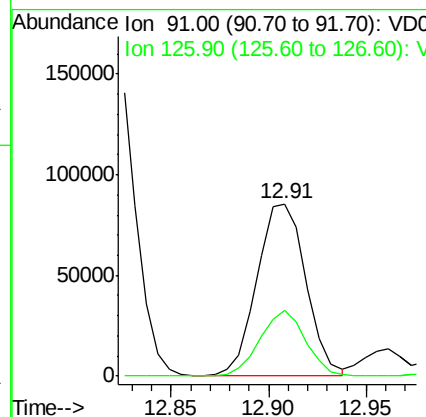
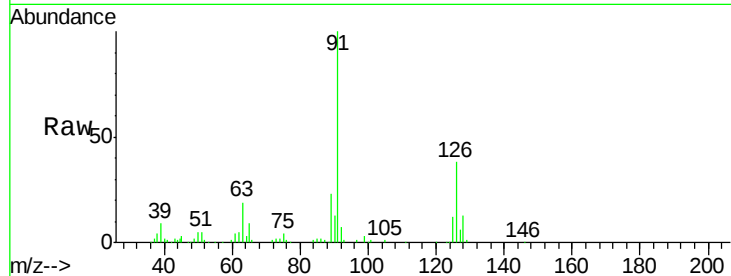
#79
2-Chlorotoluene
Concen: 20.341 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion: 91 Resp: 147970
Ion Ratio Lower Upper
91 100
126 35.6 18.4 55.2

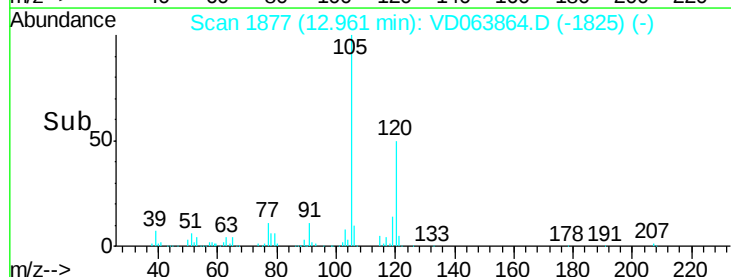
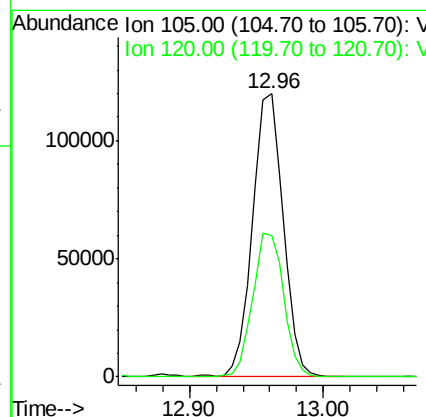
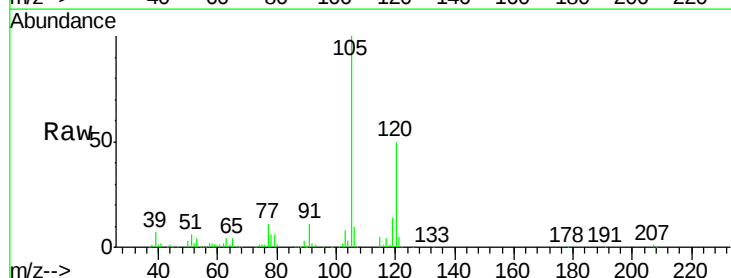
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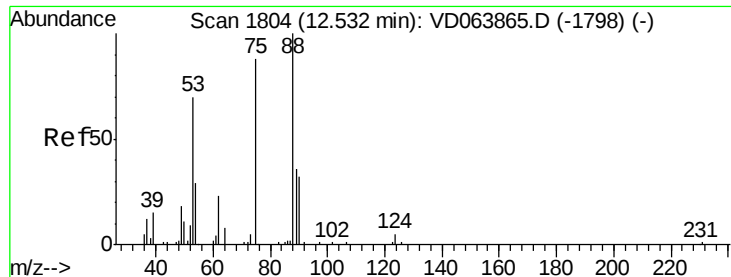
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 19.836 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion: 105 Resp: 189495
Ion Ratio Lower Upper
105 100
120 51.2 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 20.879 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

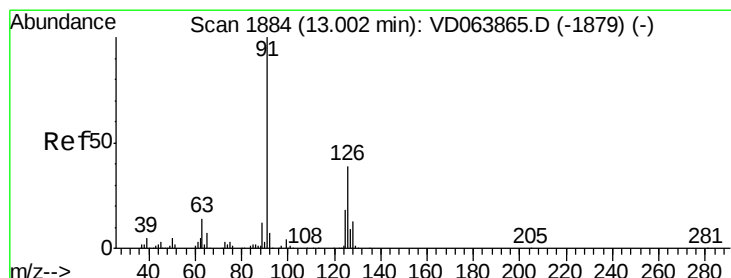
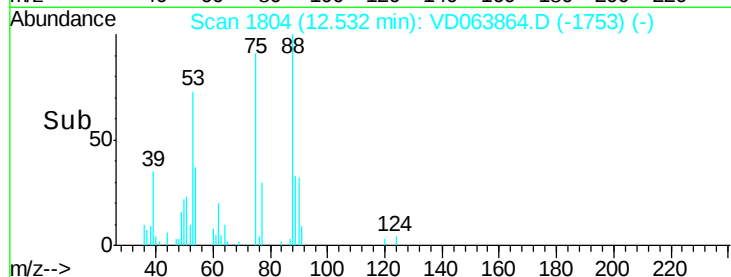
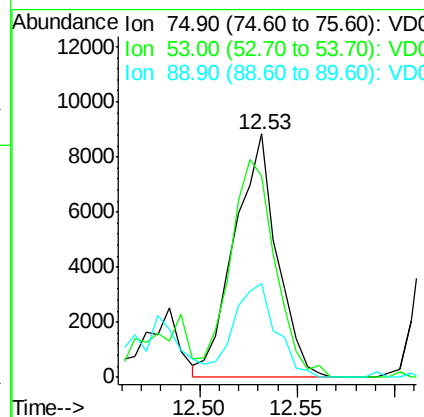
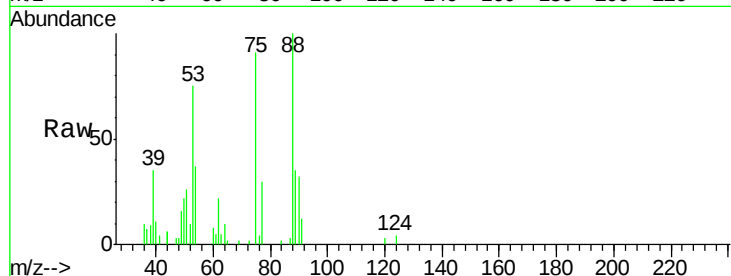
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	13397
Ion	Ratio	Lower	Upper
75	100		
53	95.6	75.0	112.6
89	38.6	38.2	57.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.403 ug/l

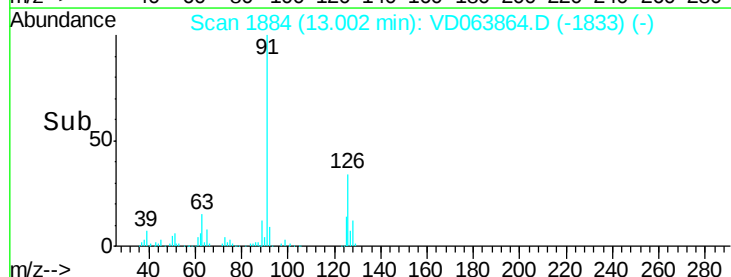
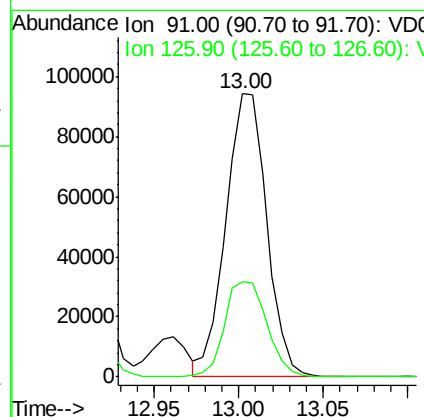
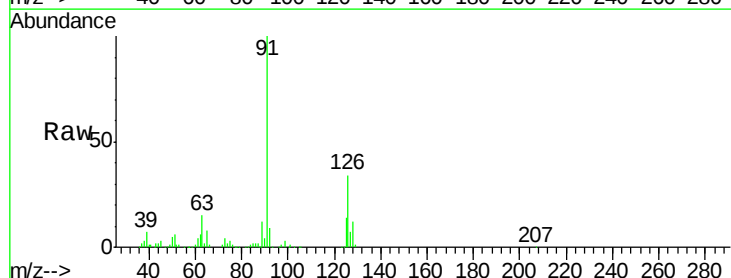
RT: 13.00 min Scan# 1884

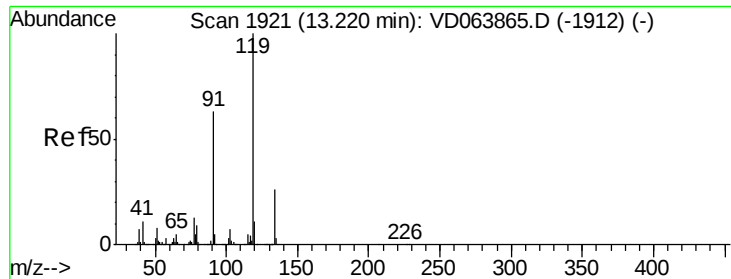
Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Tgt Ion:	91	Resp:	158896
Ion	Ratio	Lower	Upper
91	100		
126	35.1	18.6	55.8





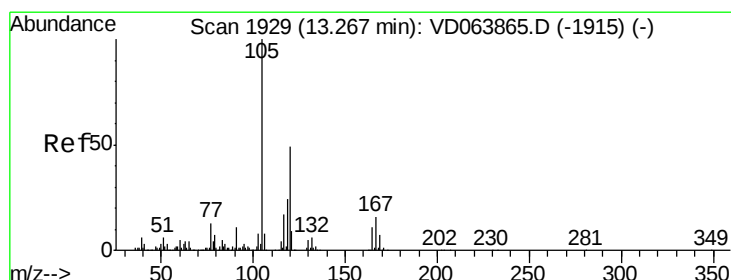
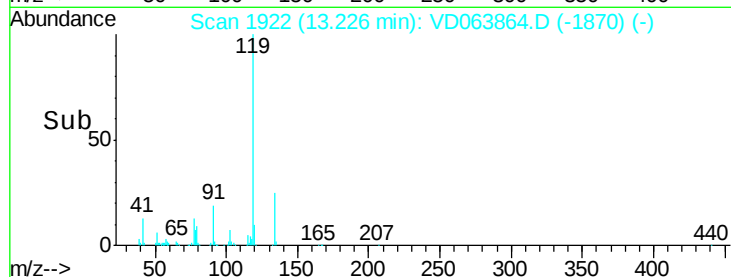
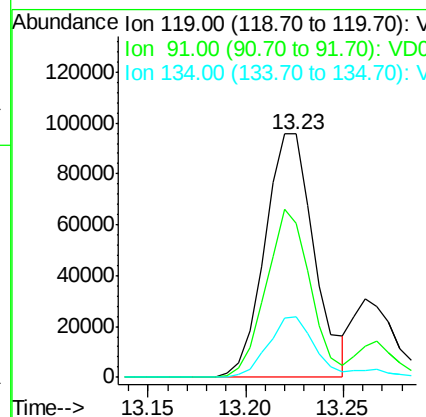
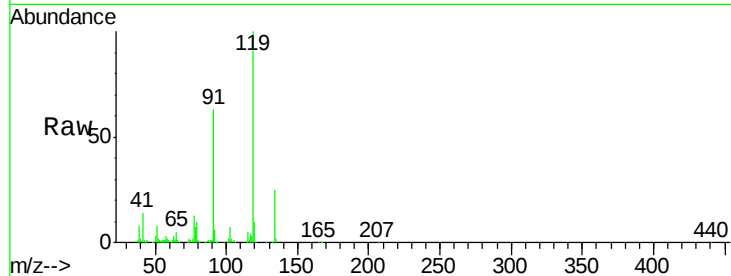
#83
tert-Butylbenzene
Concen: 19.957 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.0	90.0
134	25.6	13.0	38.9

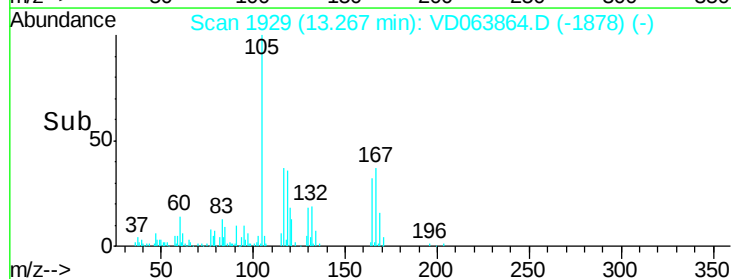
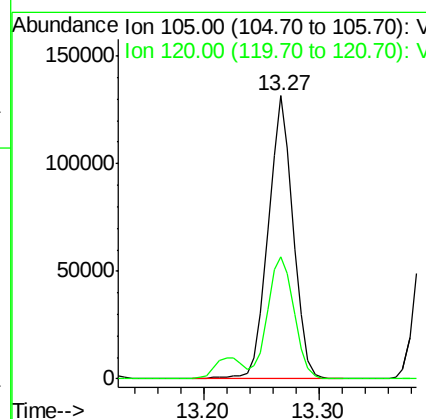
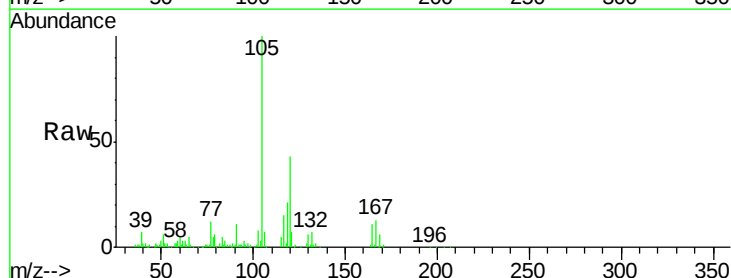
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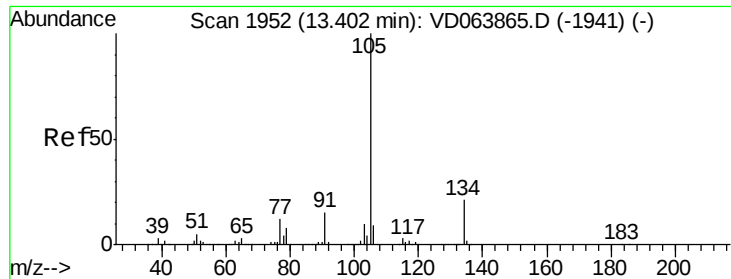
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.461 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.8	71.5





#85

sec-Butylbenzene

Concen: 19.972 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

Tot Ion:105 Resp: 231980

Ion Ratio Lower Upper

105 100

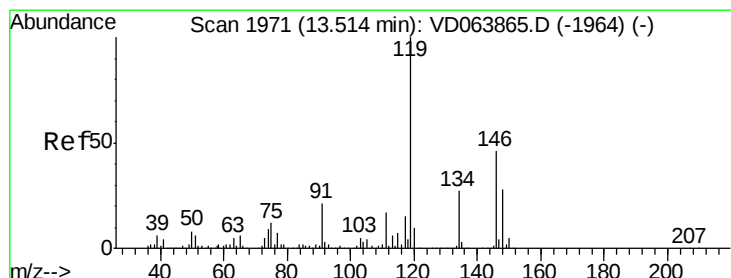
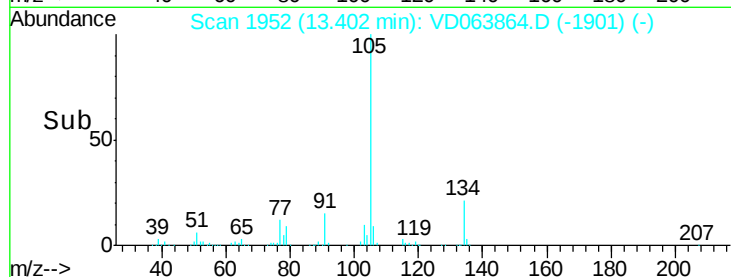
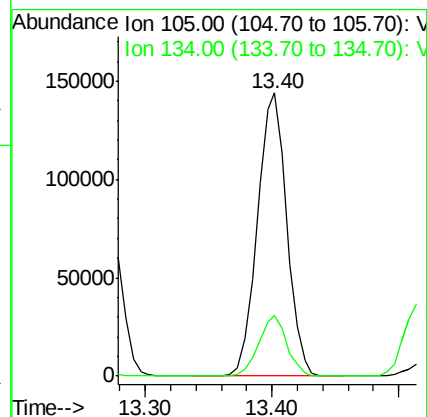
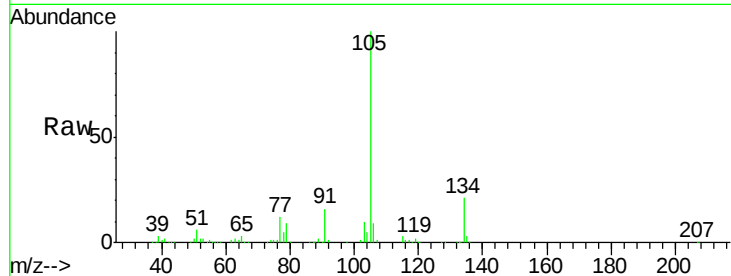
134 20.5 10.6 31.8

Manual Integrations

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10/3/2019 12:54:59 PM



#86

p-Isopropyltoluene

Concen: 19.830 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063864.D

Acq: 02 Oct 2019 17:17

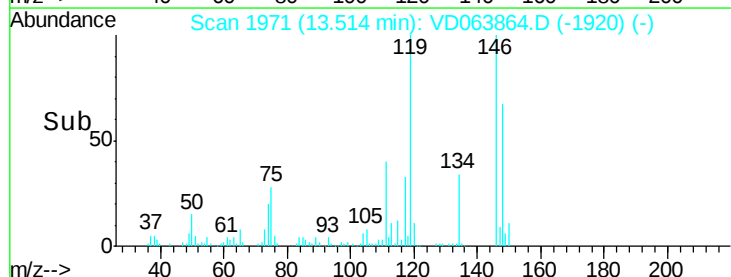
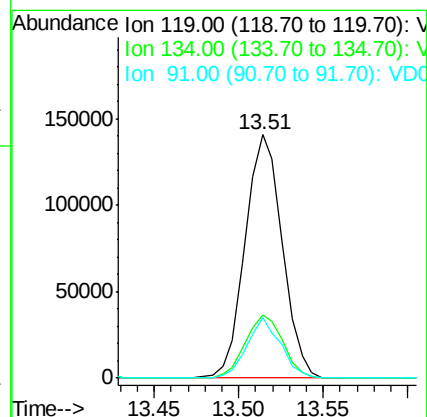
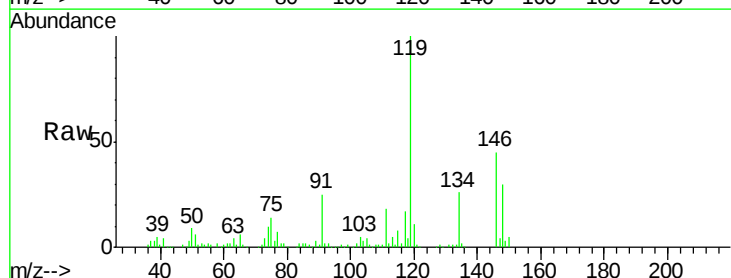
Tgt Ion:119 Resp: 215762

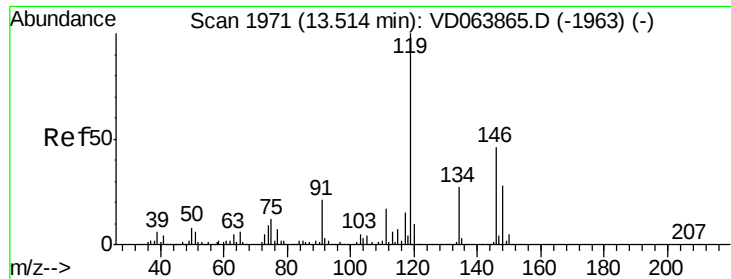
Ion Ratio Lower Upper

119 100

134 26.3 13.9 41.6

91 22.6 11.2 33.5





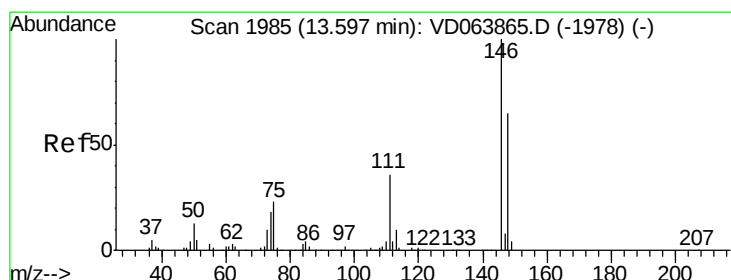
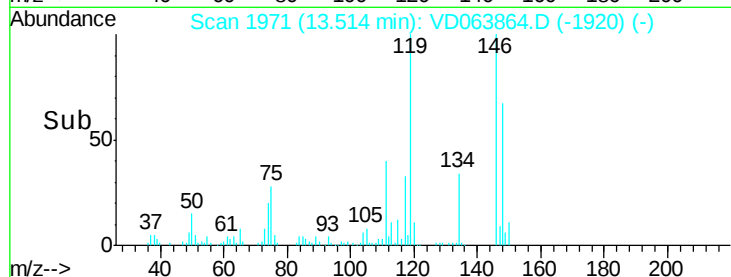
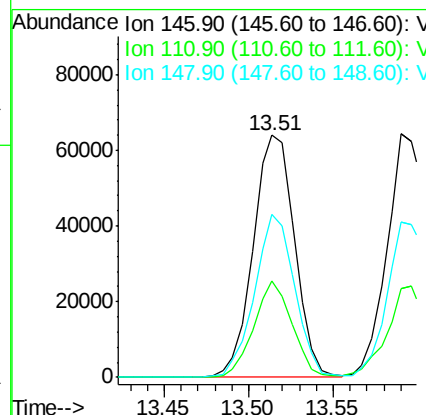
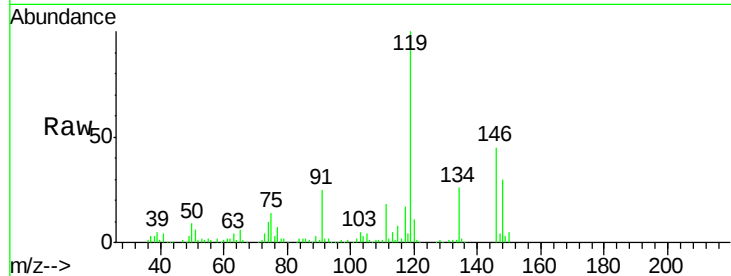
#87
 1,3-Dichlorobenzene
 Concen: 20.080 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.3	54.9
148	65.5	31.8	95.4

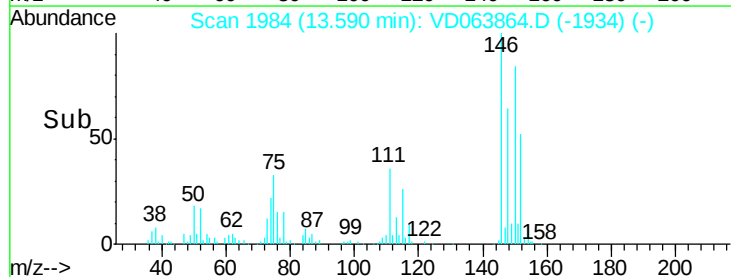
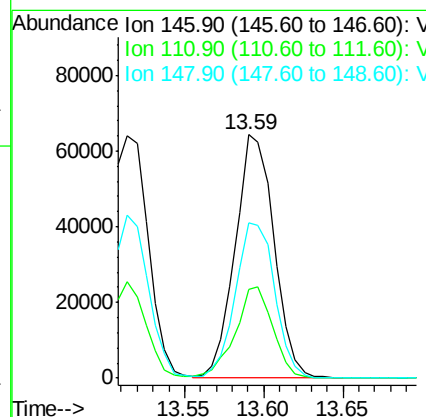
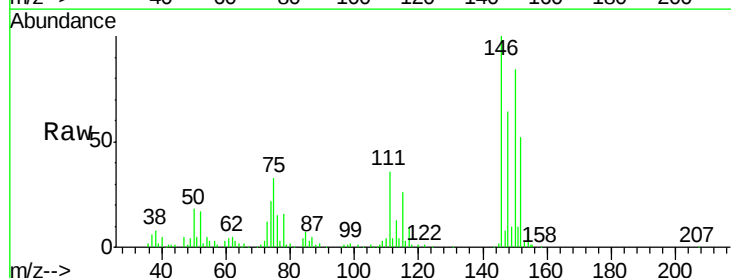
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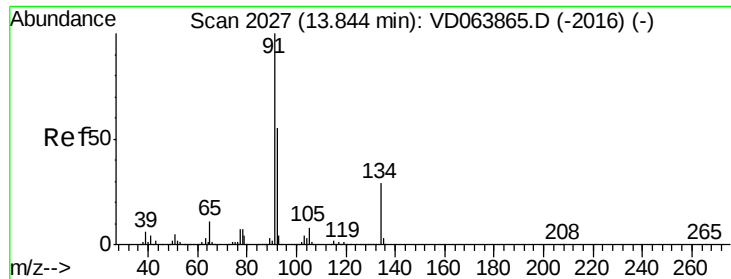
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#88
 1,4-Dichlorobenzene
 Concen: 20.256 ug/l
 RT: 13.59 min Scan# 1984
 Delta R.T. -0.01 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.6	56.0
148	64.5	32.6	98.0





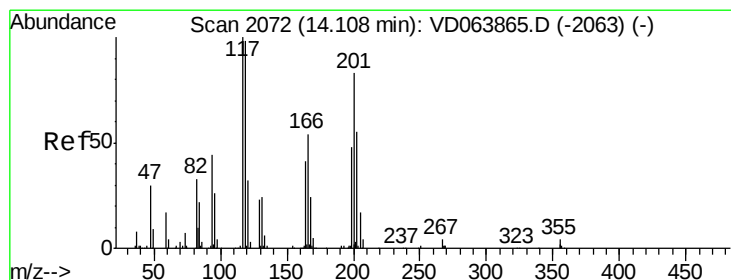
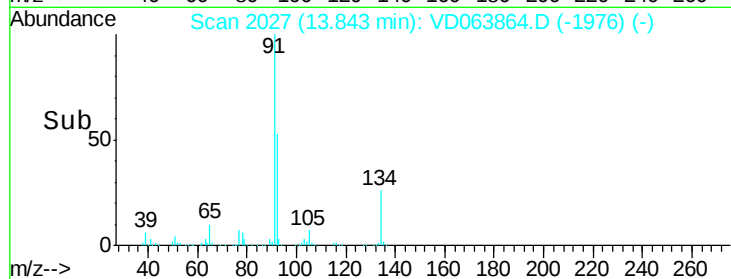
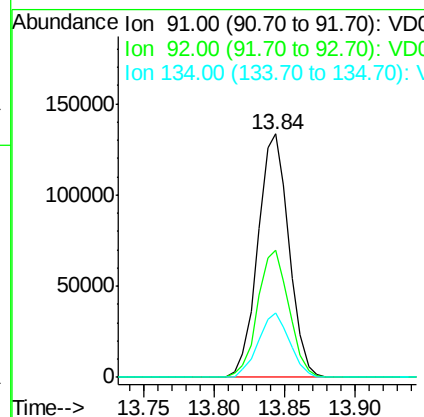
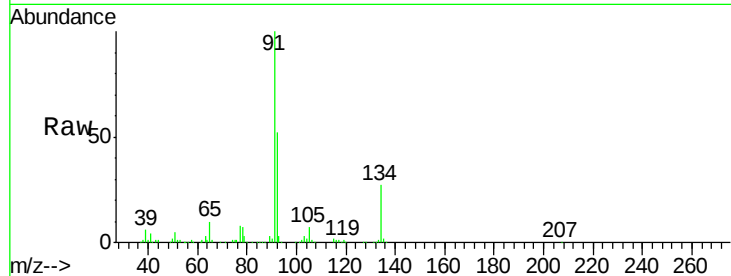
#89
n-Butylbenzene
Concen: 20.009 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.8	80.3
134	26.8	14.4	43.0

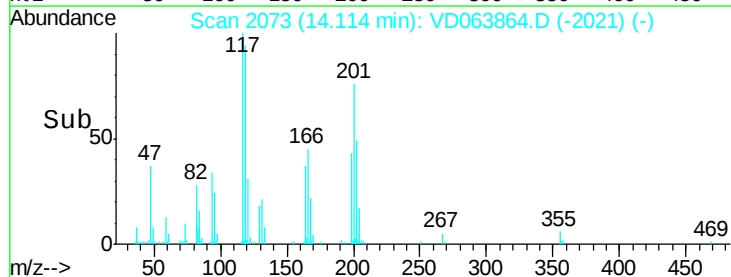
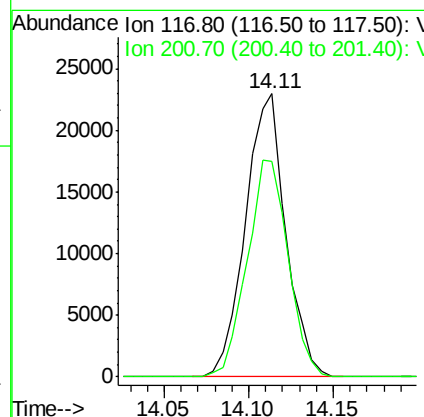
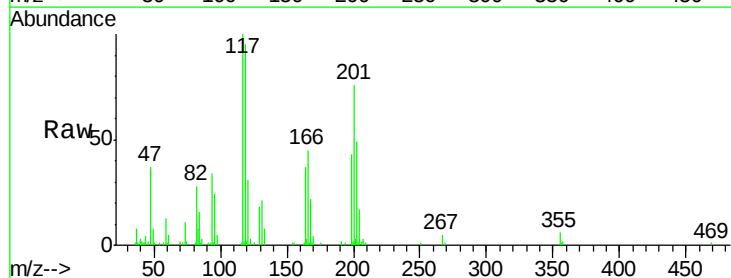
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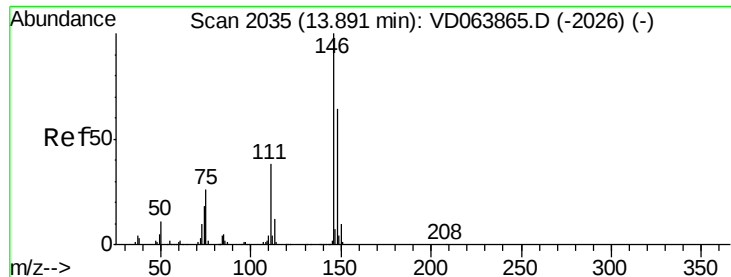
MMDadoda
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#90
Hexachloroethane
Concen: 18.930 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.7	40.6	121.7





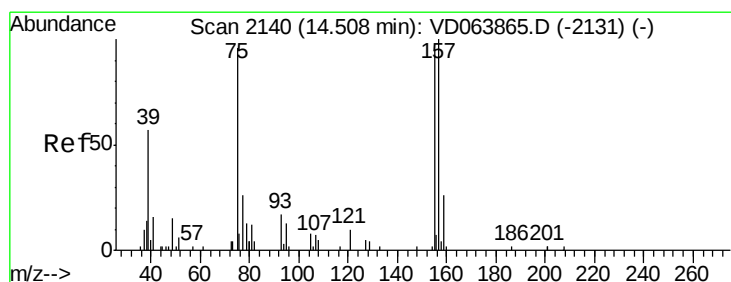
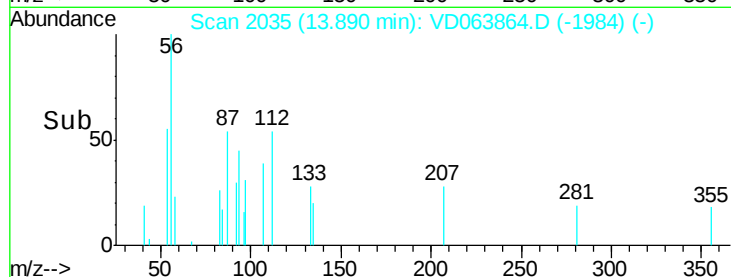
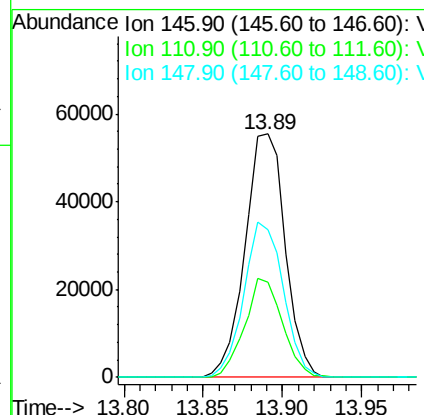
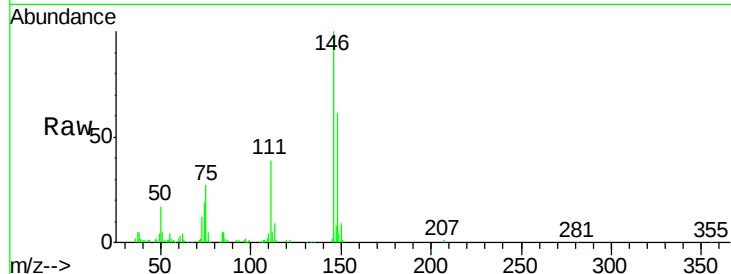
#91
 1,2-Dichlorobenzene
 Concen: 20.907 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.6
148	62.6	31.6	95.0

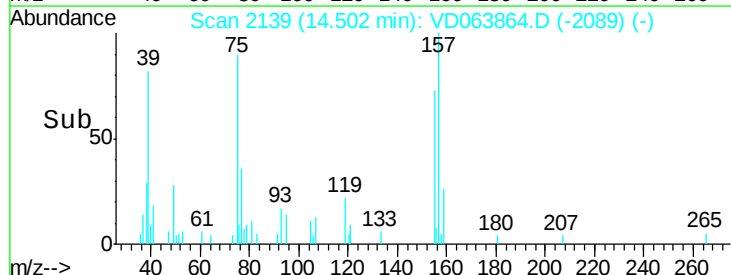
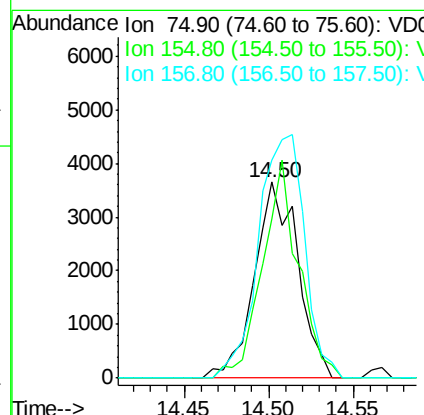
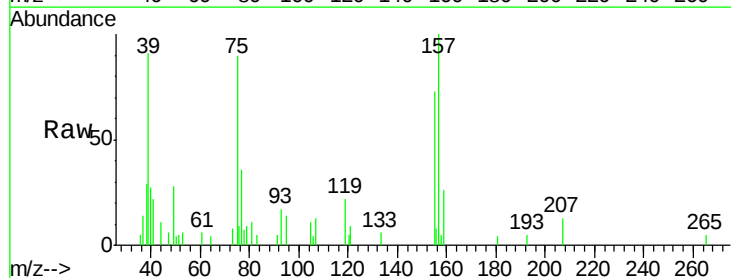
Manual Integrations
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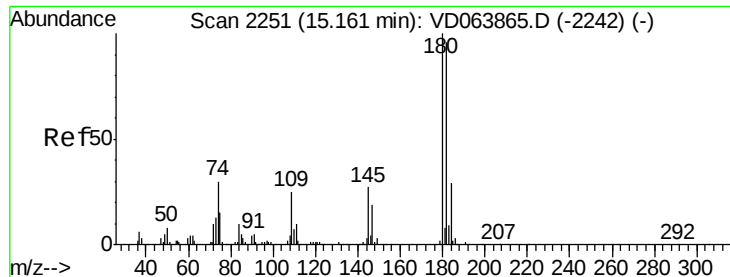
MMDadoda
 10/3/2019 12:54:59 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.663 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.8	43.9	131.6
157	132.3	56.0	167.9





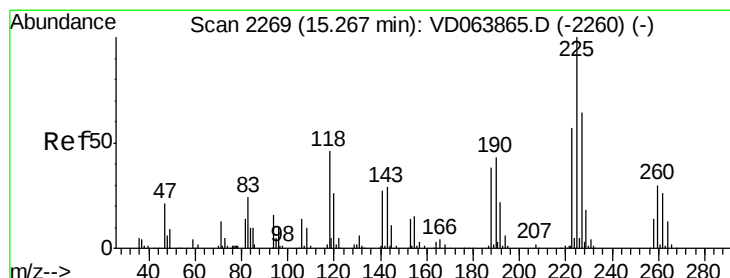
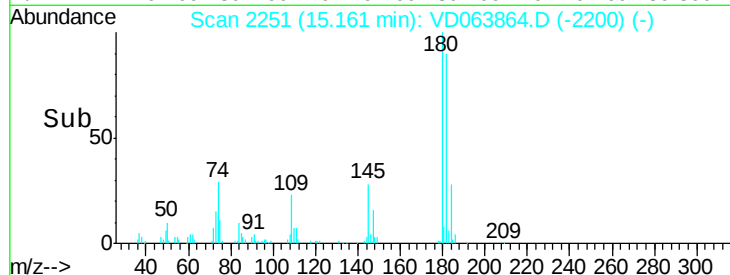
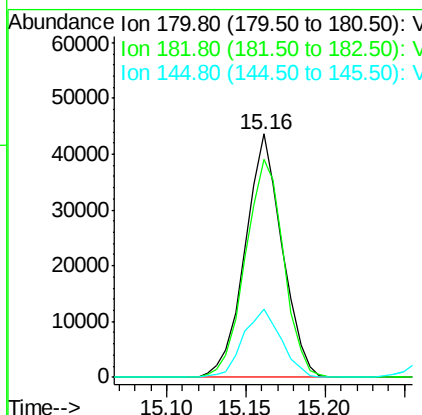
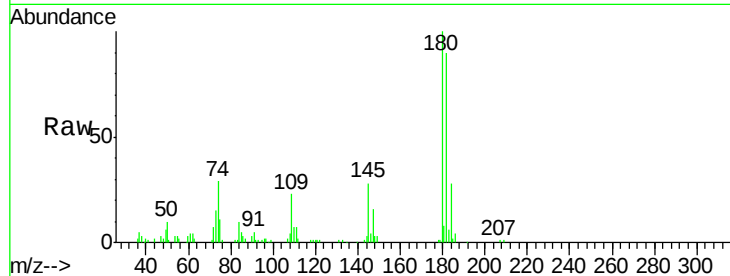
#93
 1,2,4-Trichlorobenzene
 Concen: 19.976 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tot Ion:	180	Resp:	70754
Ion Ratio	Lower	Upper	
180	100		
182	92.6	47.4	142.3
145	28.6	13.9	41.7

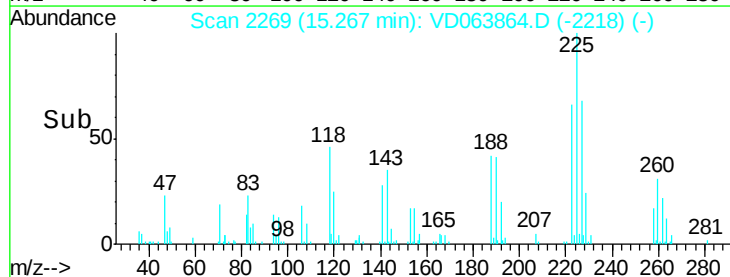
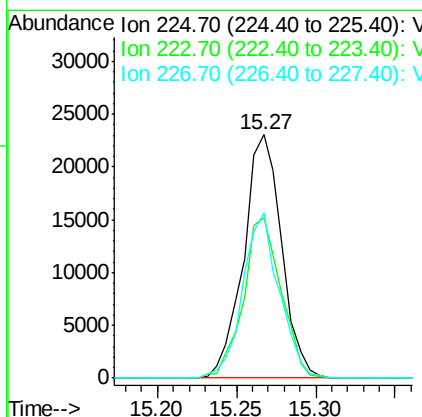
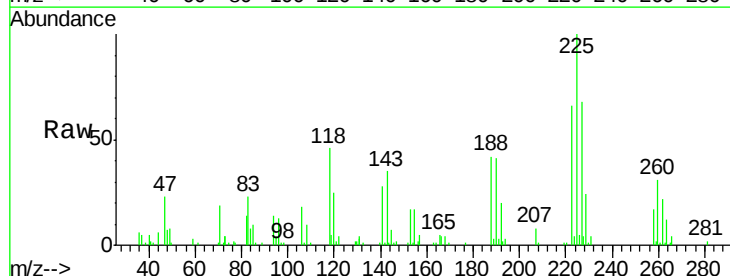
Manual Integrations
 APPROVED

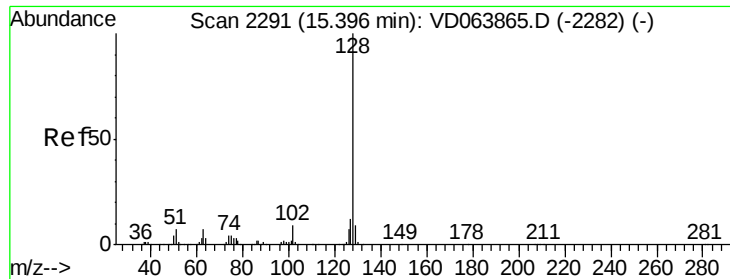
MMDadoda
 10/3/2019 12:54:59 PM



#94
 Hexachlorobutadiene
 Concen: 19.102 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063864.D
 Acq: 02 Oct 2019 17:17

Tgt Ion:	225	Resp:	38288
Ion Ratio	Lower	Upper	
225	100		
223	65.6	29.5	88.6
227	65.4	30.8	92.4





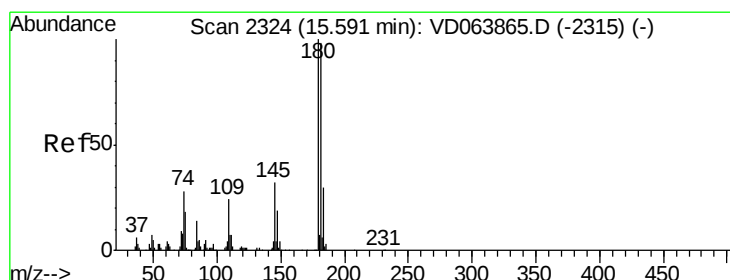
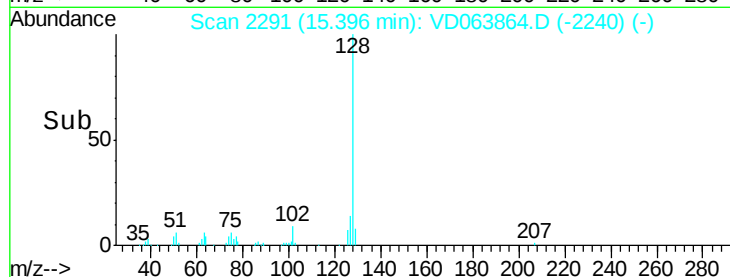
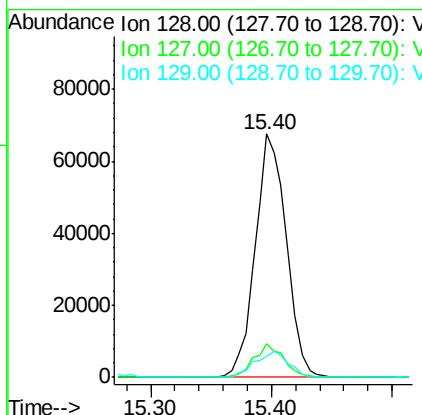
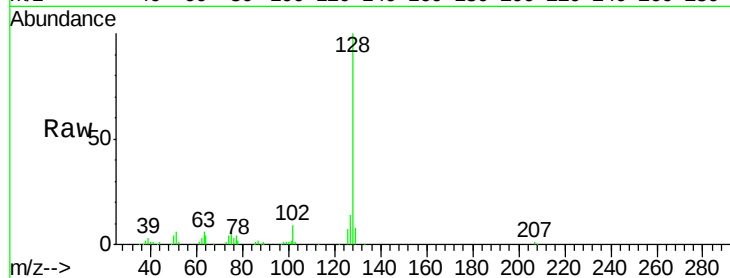
#95
Naphthalene
Concen: 18.952 ug/l
RT: 15.40 min Scan# 2291
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	16.0
129	11.4	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:54:59 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.125 ug/l
RT: 15.59 min Scan# 2324
Delta R.T. -0.00 min
Lab File: VD063864.D
Acq: 02 Oct 2019 17:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	47.0	141.0
145	30.7	15.3	45.9

