

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100219\
 Data File : VD063862.D
 Acq On : 02 Oct 2019 15:54
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:54:34 PM

Quant Time: Oct 03 03:37:58 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	203918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	327074	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	313544	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	155243	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	10841	5.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.20%	
35) Dibromofluoromethane	7.91	113	10398	5.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.10%	
50) Toluene-d8	10.34	98	43323	5.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.12%	
62) 4-Bromofluorobenzene	12.63	95	14944	5.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.64%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	7907	5.555 ug/l #	48
3) Chloromethane	2.21	50	26903	6.252 ug/l	96
4) Vinyl Chloride	2.35	62	25970	5.899 ug/l	94
5) Bromomethane	2.77	94	16153	6.206 ug/l	96
6) Chloroethane	2.91	64	17754	5.872 ug/l	96
7) Trichlorofluoromethane	3.27	101	34548	5.872 ug/l	95
8) Diethyl Ether	3.71	74	5678	5.832 ug/l	84
9) 1,1,2-Trichlorotrifluoroet	4.07	101	10187m	5.923 ug/l	
10) Methyl Iodide	4.29	142	10976	5.242 ug/l	95
11) Tert butyl alcohol	5.26	59	2844	18.731 ug/l #	87
12) 1,1-Dichloroethene	4.05	96	9460	5.430 ug/l	87
13) Acrolein	3.91	56	5014	27.481 ug/l #	82
14) Allyl chloride	4.70	41	15608	5.608 ug/l	95
15) Acrylonitrile	5.43	53	10438	24.588 ug/l #	91
16) Acetone	4.16	43	12914	28.154 ug/l #	71
17) Carbon Disulfide	4.40	76	33250	5.598 ug/l #	86
18) Methyl Acetate	4.73	43	5370m	5.035 ug/l	
19) Methyl tert-butyl Ether	5.48	73	23448	5.346 ug/l #	83
20) Methylene Chloride	4.96	84	18688	7.144 ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	11463	5.603 ug/l	95
22) Diisopropyl ether	6.37	45	30785	5.391 ug/l	92
23) Vinyl Acetate	6.30	43	83864	24.691 ug/l	95
24) 1,1-Dichloroethane	6.26	63	18906	5.423 ug/l	93
25) 2-Butanone	7.23	43	14831	25.466 ug/l #	72
26) 2,2-Dichloropropane	7.20	77	18321	5.682 ug/l	93
27) cis-1,2-Dichloroethene	7.20	96	12009	5.258 ug/l	91
28) Bromochloromethane	7.54	49	8333	6.215 ug/l #	96
29) Tetrahydrofuran	7.57	42	9205	27.050 ug/l	99
30) Chloroform	7.71	83	19984	5.305 ug/l	96
31) Cyclohexane	7.98	56	21870	6.391 ug/l #	87
32) 1,1,1-Trichloroethane	7.90	97	17738	5.222 ug/l	96
36) 1,1-Dichloropropene	8.11	75	16455	5.563 ug/l	94
37) Ethyl Acetate	7.30	43	8454	6.696 ug/l #	94
38) Carbon Tetrachloride	8.10	117	15587	5.098 ug/l #	95

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 Sample : VSTDIC005
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/3/2019 12:54:34 PM

Quant Time: Oct 03 03:37:58 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)
39) Methylcyclohexane	9.35	83	21075	5.738	ug/l #	81
40) Benzene	8.34	78	42870	5.227	ug/l	95
41) Methacrylonitrile	7.52	41	3718	5.207	ug/l #	72
42) 1,2-Dichloroethane	8.43	62	12180	5.070	ug/l	99
43) Isopropyl Acetate	8.46	43	12903	5.179	ug/l #	97
44) Trichloroethene	9.11	130	12274	5.158	ug/l	83
45) 1,2-Dichloropropane	9.39	63	10478	5.164	ug/l #	67
46) Dibromomethane	9.47	93	5824	5.077	ug/l	91
47) Bromodichloromethane	9.66	83	15649	5.311	ug/l #	91
48) Methyl methacrylate	9.47	41	6281	5.531	ug/l	91
49) 1,4-Dioxane	9.46	88	1533	94.338	ug/l #	80
51) 4-Methyl-2-Pentanone	10.23	43	33104	26.201	ug/l	96
52) Toluene	10.40	92	30075	5.396	ug/l	95
53) t-1,3-Dichloropropene	10.62	75	13585	4.648	ug/l	91
54) cis-1,3-Dichloropropene	10.08	75	16831	5.085	ug/l #	81
55) 1,1,2-Trichloroethane	10.80	97	8165	5.055	ug/l #	79
56) Ethyl methacrylate	10.66	69	10180	4.943	ug/l	92
57) 1,3-Dichloropropane	10.95	76	14627	5.294	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	24138	26.235	ug/l	97
59) 2-Hexanone	10.98	43	20608	22.491	ug/l	98
60) Dibromochloromethane	11.15	129	10229	4.794	ug/l	97
61) 1,2-Dibromoethane	11.25	107	7325	4.520	ug/l	90
64) Tetrachloroethene	10.87	164	11450	5.472	ug/l #	82
65) Chlorobenzene	11.67	112	31526	5.025	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	11453	4.976	ug/l	94
67) Ethyl Benzene	11.74	91	56931	5.049	ug/l	89
68) m/p-Xylenes	11.85	106	44476	10.221	ug/l	94
69) o-Xylene	12.18	106	20907	5.105	ug/l	98
70) Styrene	12.19	104	33730	4.849	ug/l	100
71) Bromoform	12.36	173	5232	4.110	ug/l #	89
73) Isopropylbenzene	12.48	105	54173	5.159	ug/l	99
74) N-amyl acetate	12.29	43	10748	4.661	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.73	83	9949	5.661	ug/l	91
76) 1,2,3-Trichloropropane	12.78	75	6093m	5.204	ug/l	
77) Bromobenzene	12.76	156	12907	5.087	ug/l	98
78) n-propylbenzene	12.82	91	64200	5.192	ug/l	98
79) 2-Chlorotoluene	12.91	91	36101	5.419	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	43906	5.019	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.53	75	3507	5.969	ug/l	84
82) 4-Chlorotoluene	13.01	91	38293	5.369	ug/l	96
83) tert-Butylbenzene	13.22	119	41132	5.360	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	45850	5.161	ug/l	97
85) sec-Butylbenzene	13.40	105	54500	5.124	ug/l	100
86) p-Isopropyltoluene	13.51	119	49050	4.923	ug/l	97
87) 1,3-Dichlorobenzene	13.51	146	26877	5.405	ug/l	97
88) 1,4-Dichlorobenzene	13.59	146	26668	5.374	ug/l	93
89) n-Butylbenzene	13.84	91	47996	5.078	ug/l	98
90) Hexachloroethane	14.11	117	9085	4.931	ug/l	94
91) 1,2-Dichlorobenzene	13.89	146	21910	5.115	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.50	75	1959	6.460	ug/l	85

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Misc : 5.00g/5.00mL/MSVOA D/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

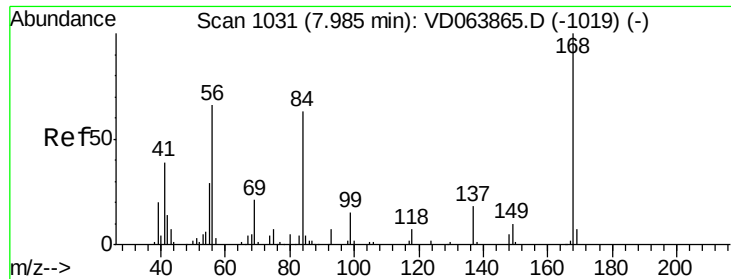
Manual Integrations
APPROVED

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10/3/2019 12:54:34 PM

Quant Time: Oct 03 03:37:58 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)
93) 1,2,4-Trichlorobenzene	15.16	180	17718	5.462	ug/l	92
94) Hexachlorobutadiene	15.27	225	10306	5.615	ug/l	93
95) Naphthalene	15.40	128	27214	4.657	ug/l #	95
96) 1,2,3-Trichlorobenzene	15.59	180	15443	5.367	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC005

Tot Ion:168 Resp: 203918

Ion Ratio Lower Upper

168 100

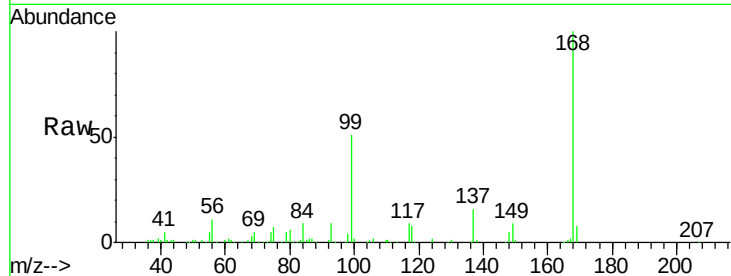
99 51.4 43.0 64.4

Manual Integrations

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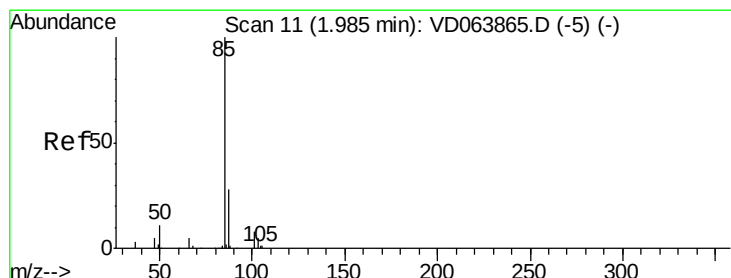
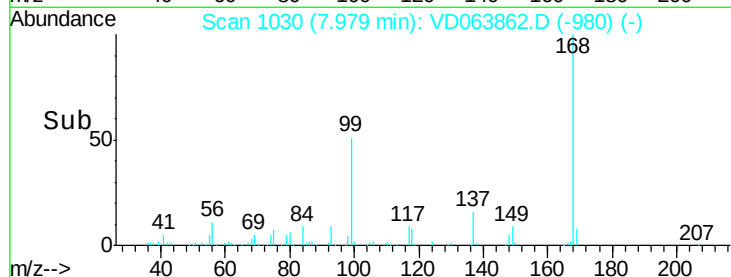
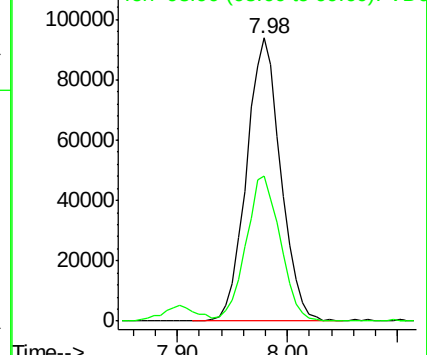
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 5.555 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063862.D

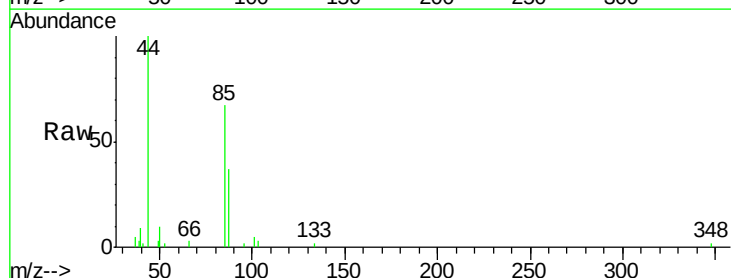
Acq: 02 Oct 2019 15:54

Tgt Ion: 85 Resp: 7907

Ion Ratio Lower Upper

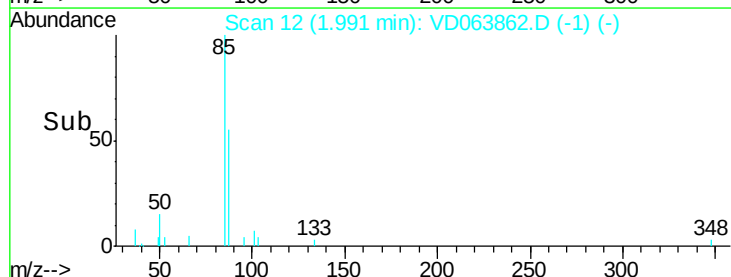
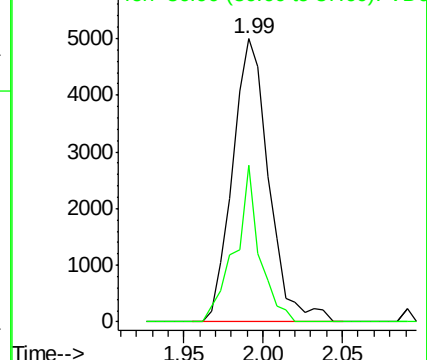
85 100

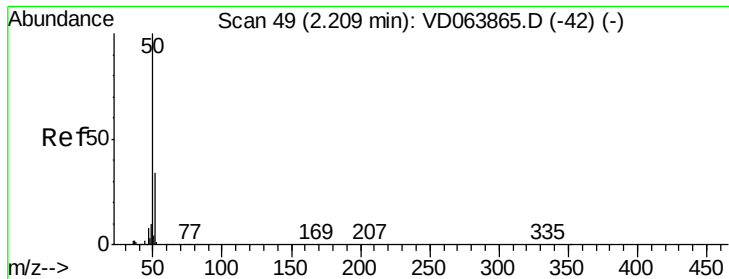
87 55.4 14.0 42.0#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 6.252 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 26903

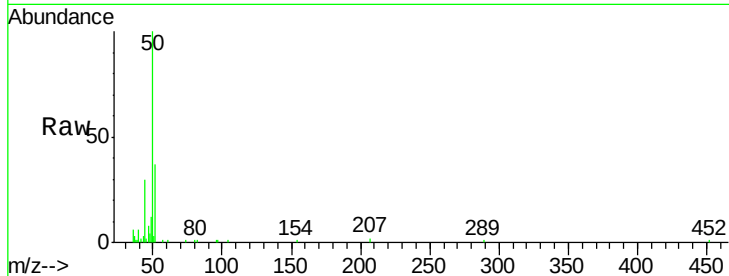
Ion Ratio Lower Upper

50 100

52 36.5 27.5 41.3

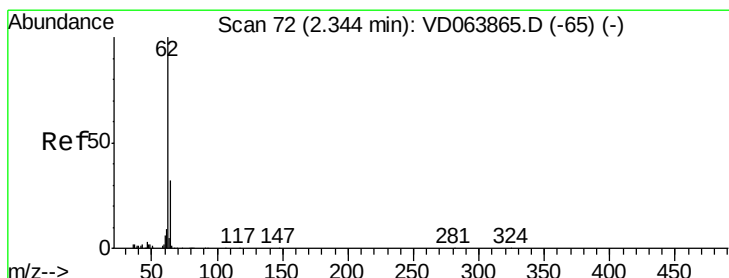
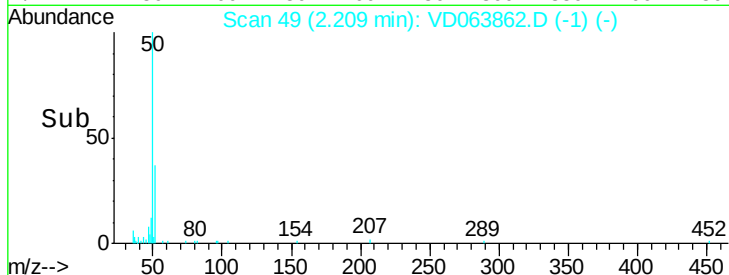
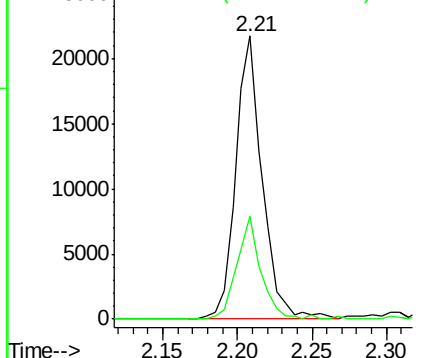
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.899 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063862.D

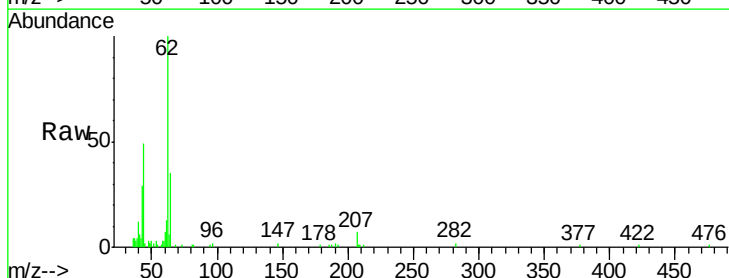
Acq: 02 Oct 2019 15:54

Tgt Ion: 62 Resp: 25970

Ion Ratio Lower Upper

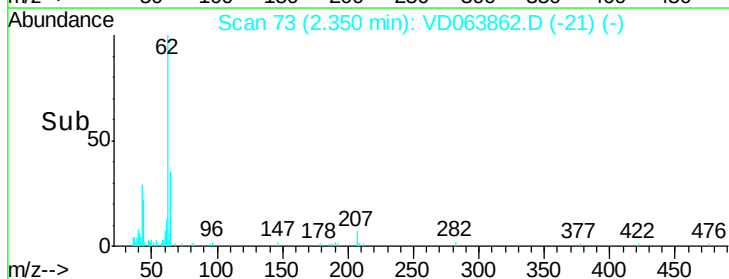
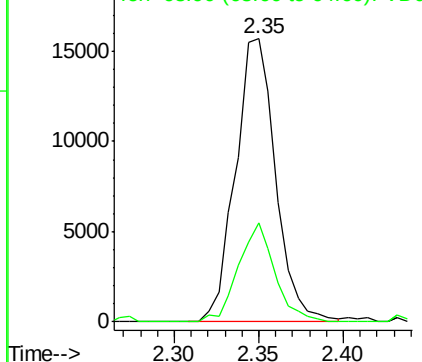
62 100

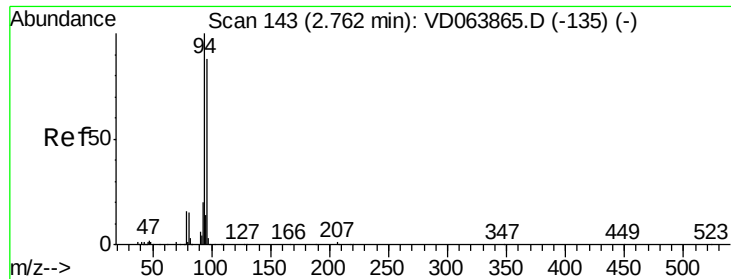
64 34.9 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 6.206 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 16153

Ion Ratio Lower Upper

94 100

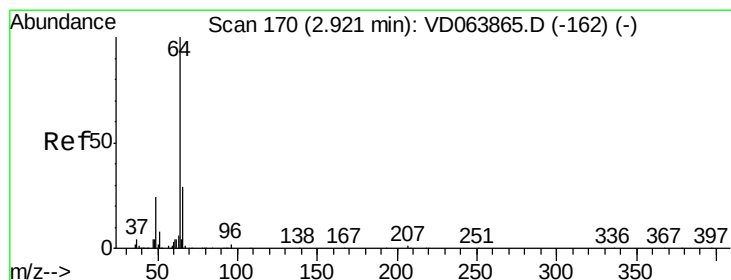
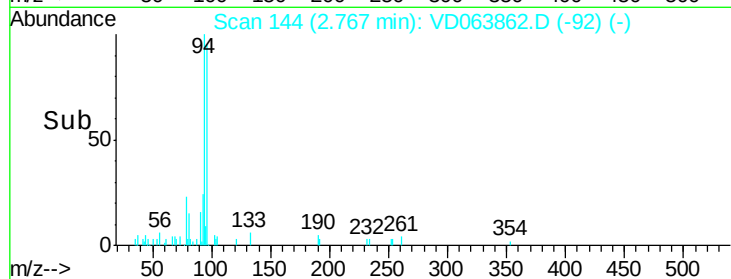
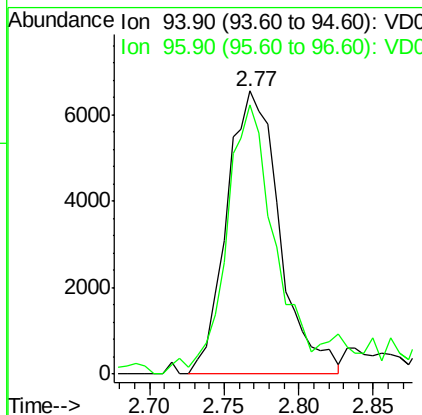
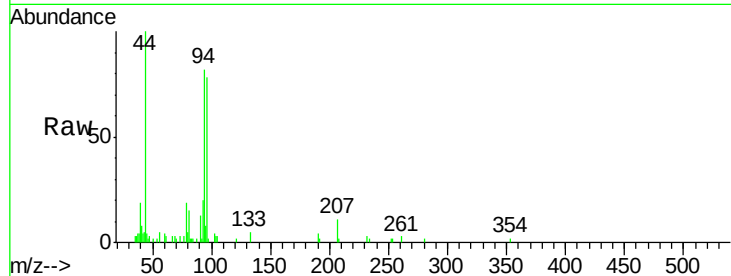
96 92.6 70.8 106.2

Manual Integrations

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#6

Chloroethane

Concen: 5.872 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD063862.D

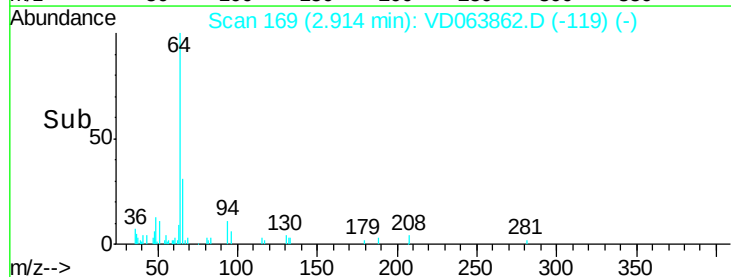
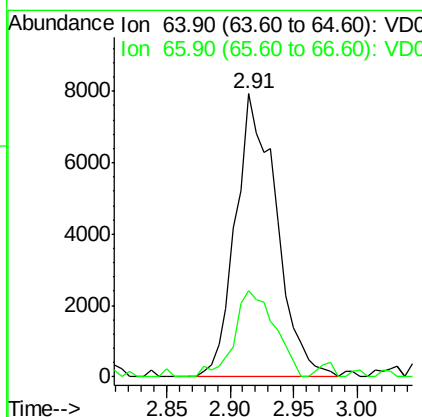
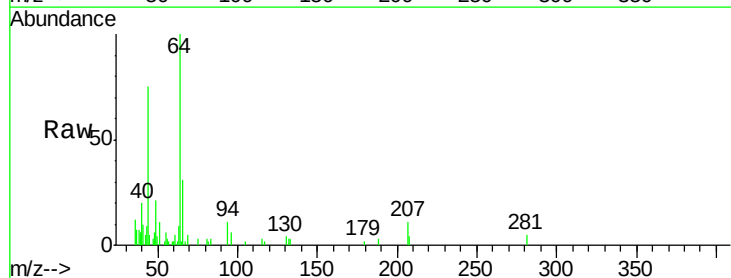
Acq: 02 Oct 2019 15:54

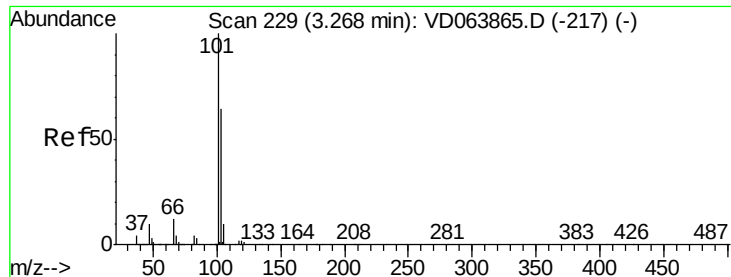
Tgt Ion: 64 Resp: 17754

Ion Ratio Lower Upper

64 100

66 30.6 23.0 34.4





#7

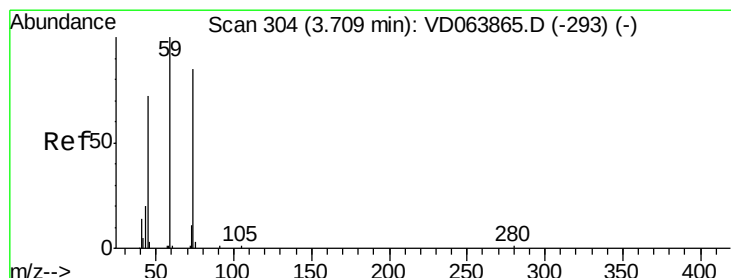
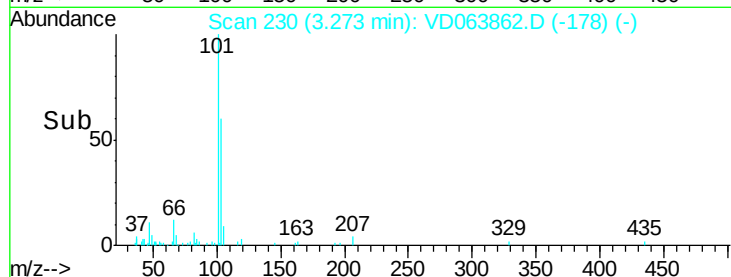
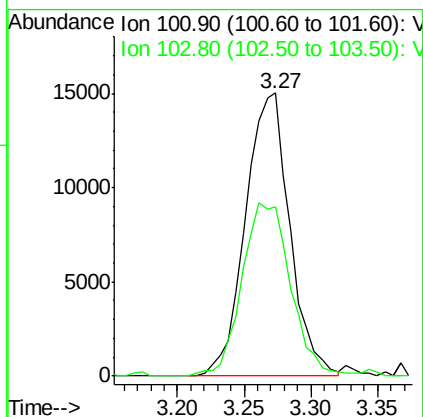
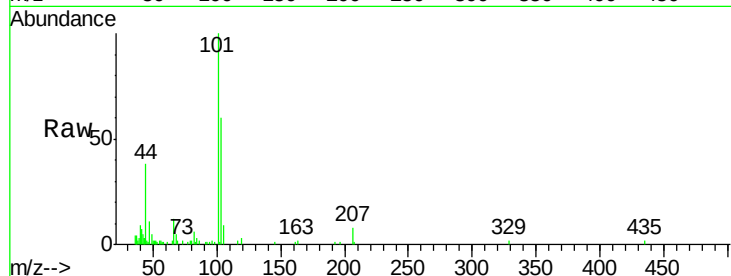
Trichlorofluoromethane
Concen: 5.872 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.9	51.1	76.7

Manual Integrations
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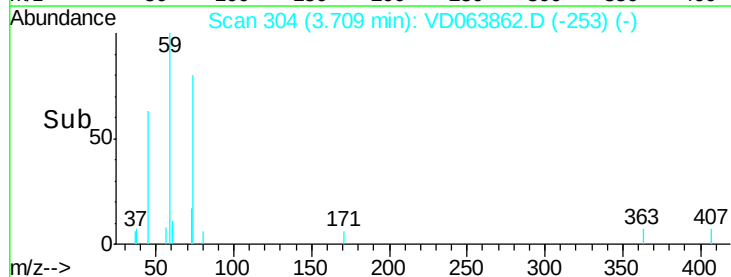
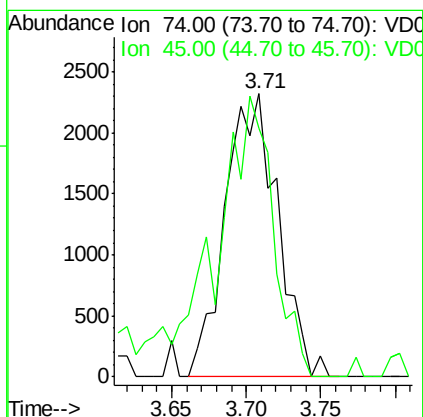
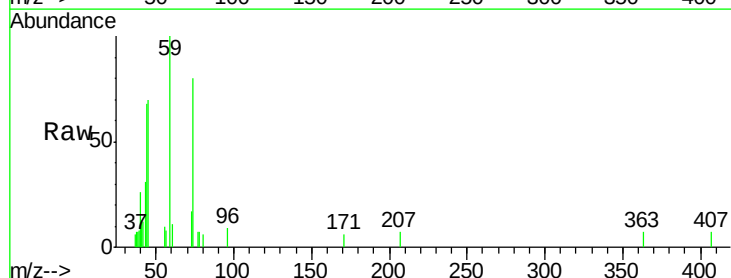
MMDadoda
10/3/2019 12:54:34 PM

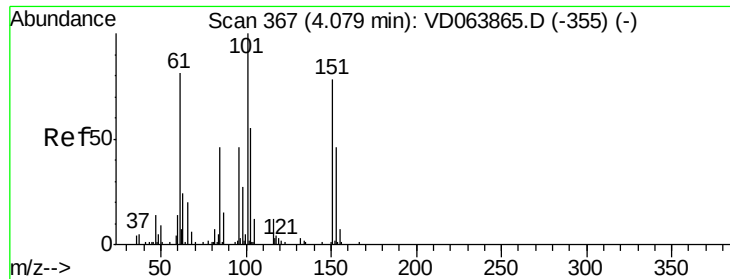


#8

Diethyl Ether
Concen: 5.832 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	111.6	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.923 ug/l m

RT: 4.07 min Scan# 366

Delta R.T. -0.01 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

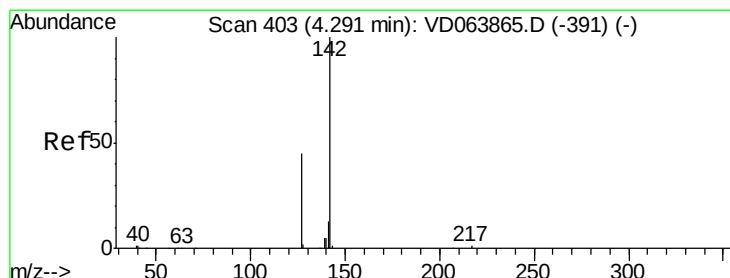
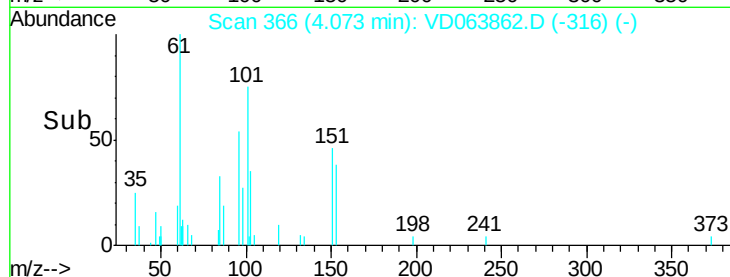
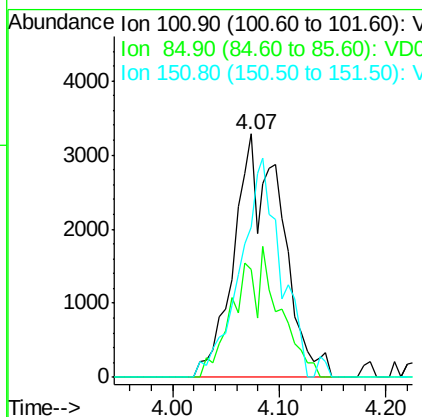
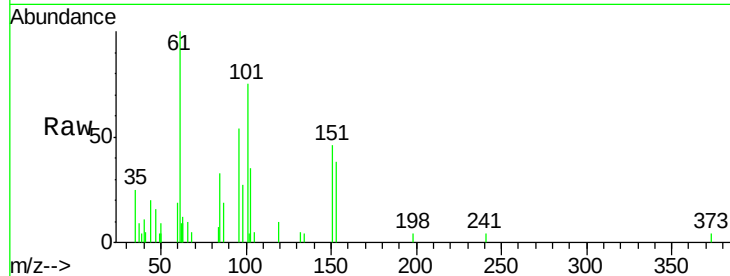
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
85	25.3	37.5	56.3#
151	76.4	65.5	98.3

Manual Integrations
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MMDadoda
10/3/2019 12:54:34 PM



#10

Methyl Iodide

Concen: 5.242 ug/l

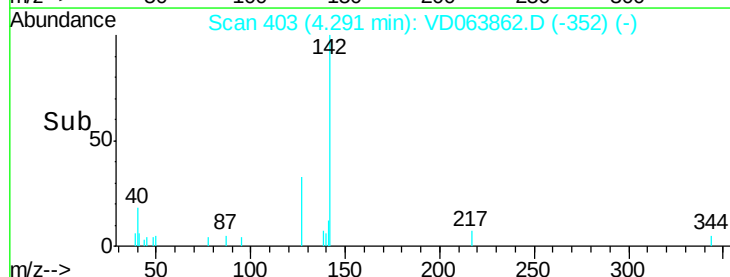
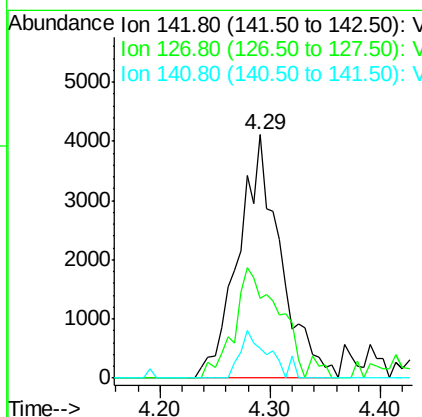
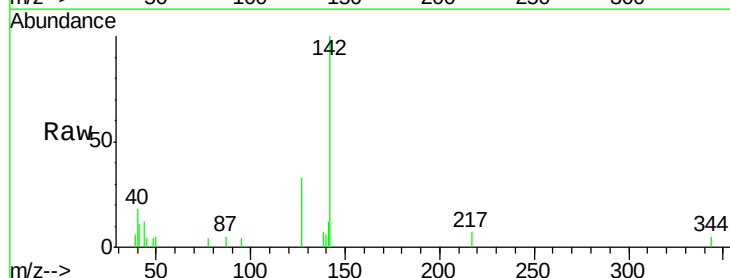
RT: 4.29 min Scan# 403

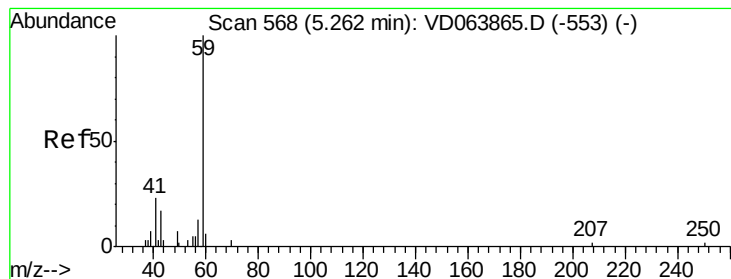
Delta R.T. -0.00 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
142	100		
127	47.1	35.3	52.9
141	12.2	12.2	18.2





#11

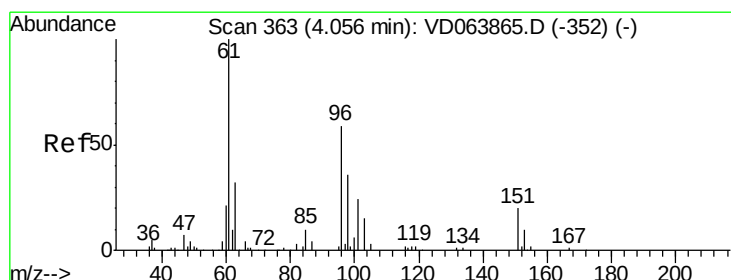
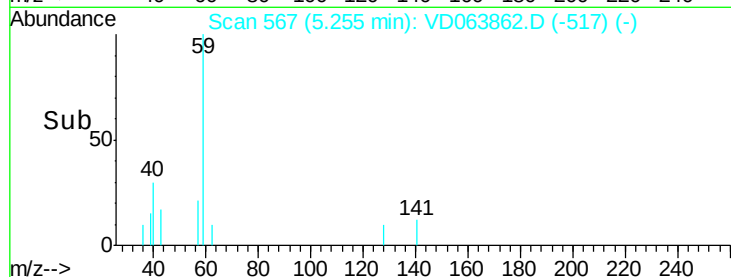
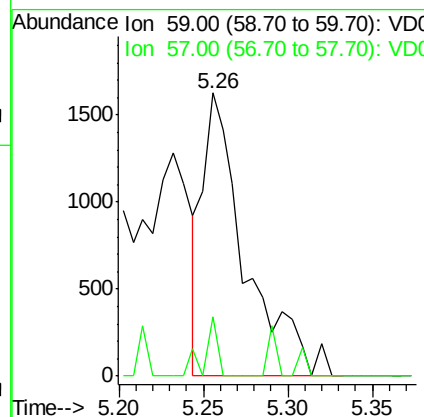
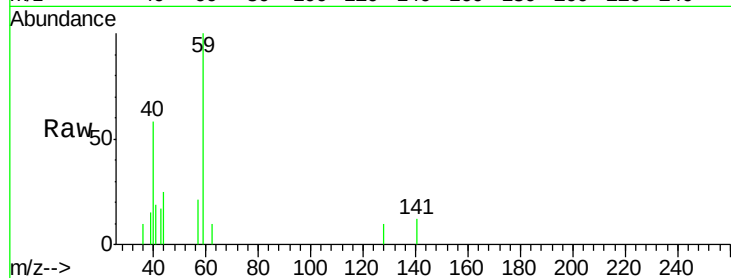
Tert butyl alcohol
 Concen: 18.731 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. -0.01 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.1	8.8	13.2#

Manual Integrations
 APPROVED

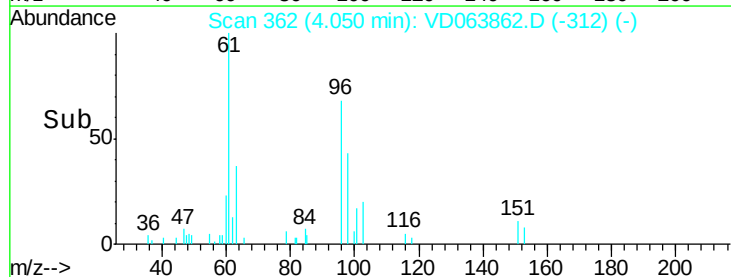
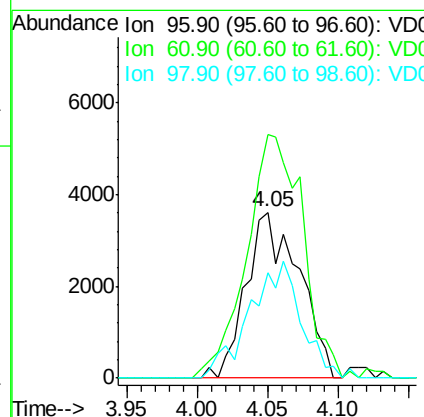
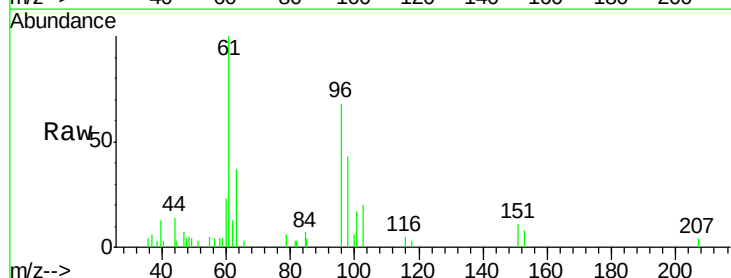
MMDadoda
 10/3/2019 12:54:34 PM

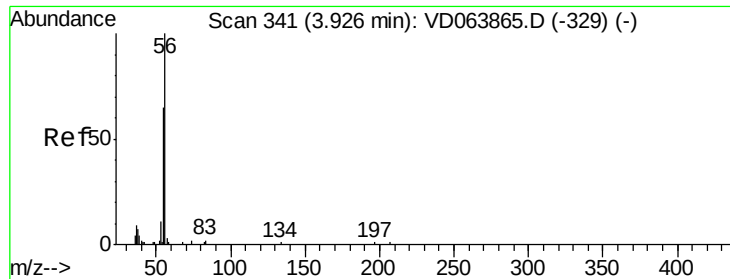


#12

1,1-Dichloroethene
 Concen: 5.430 ug/l
 RT: 4.05 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.9	135.6	203.4
98	63.7	49.2	73.8





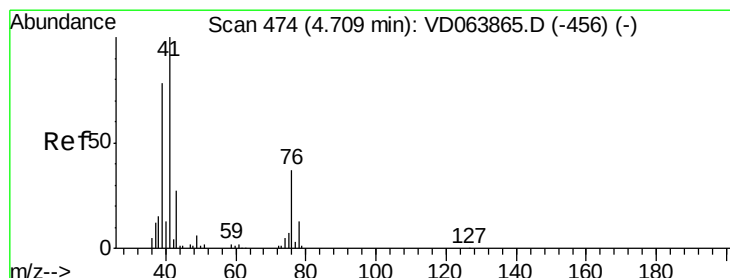
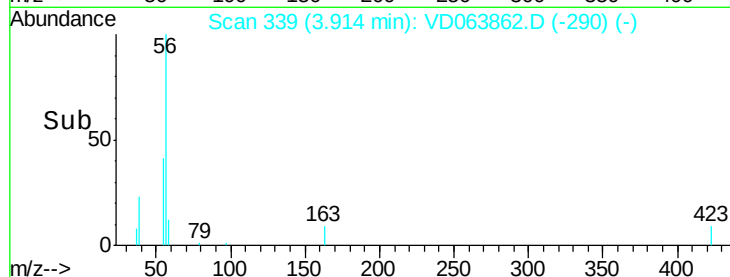
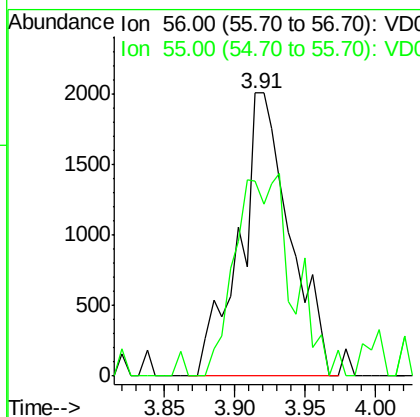
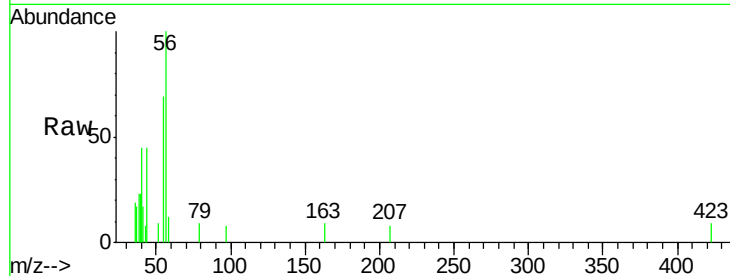
#13
Acrolein
Concen: 27.481 ug/l
RT: 3.91 min Scan# 339
Delta R.T. -0.01 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
55	80.8	53.0	79.6#

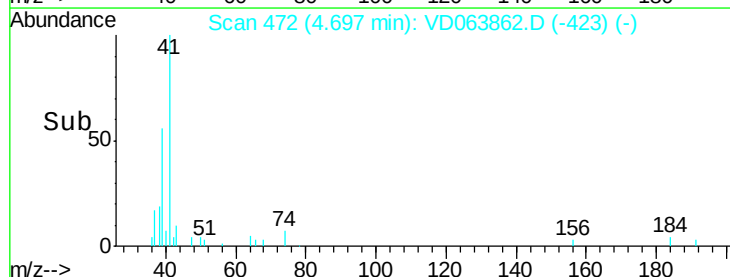
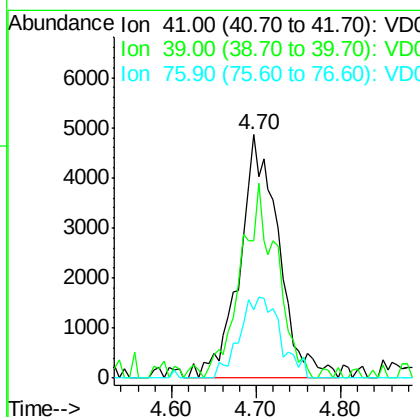
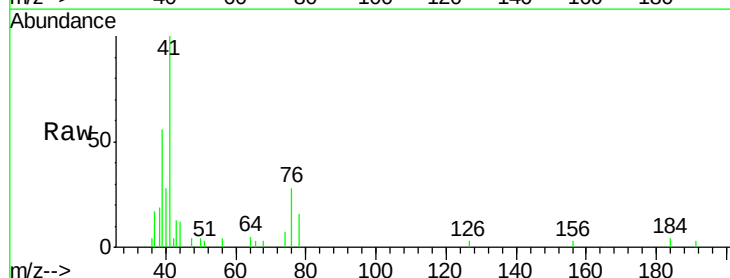
Manual Integrations
APPROVED

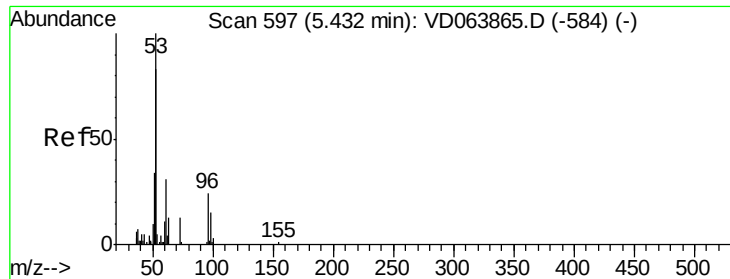
MMDadoda
10/3/2019 12:54:34 PM



#14
Allyl chloride
Concen: 5.608 ug/l
RT: 4.70 min Scan# 472
Delta R.T. -0.01 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
41	100		
39	74.0	61.8	92.6
76	34.7	31.3	46.9





#15

Acrylonitrile

Concen: 24.588 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

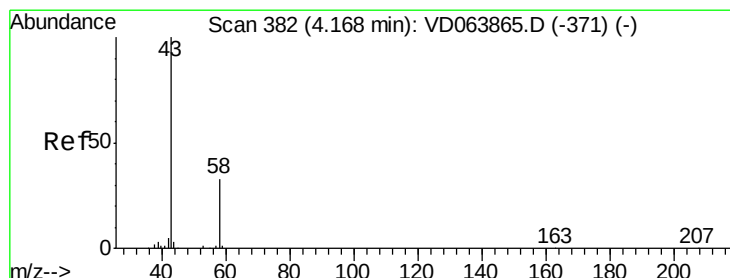
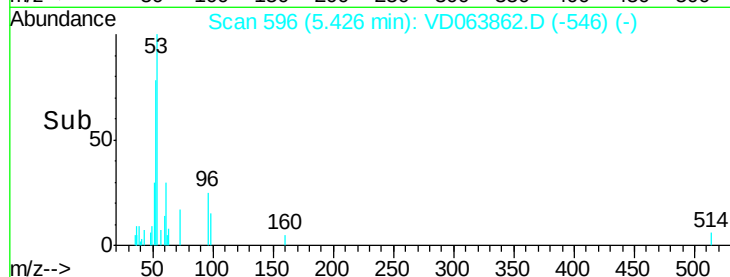
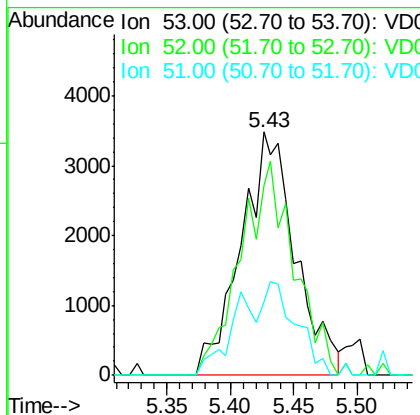
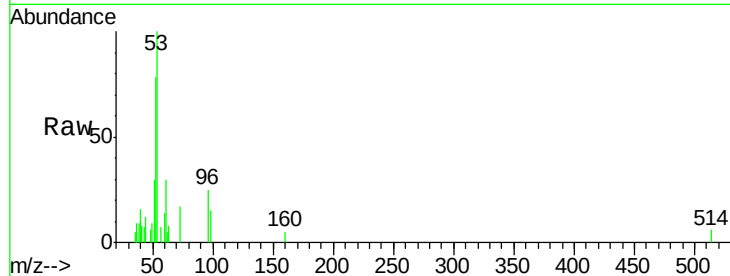
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	10438
Ion Ratio	Lower	Upper	
53	100		
52	86.8	67.3	100.9
51	23.9	30.5	45.7#

Manual Integrations
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#16

Acetone

Concen: 28.154 ug/l

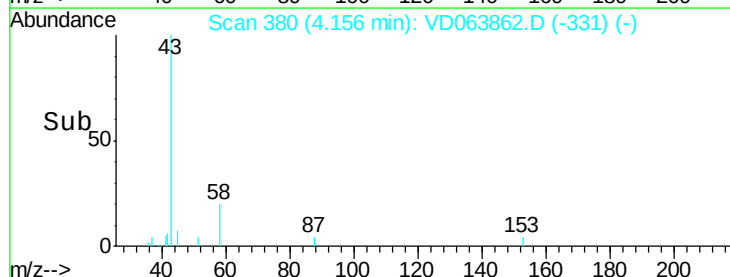
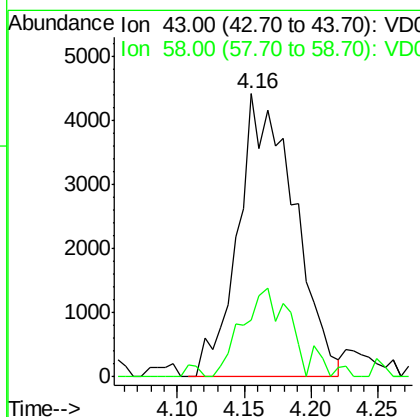
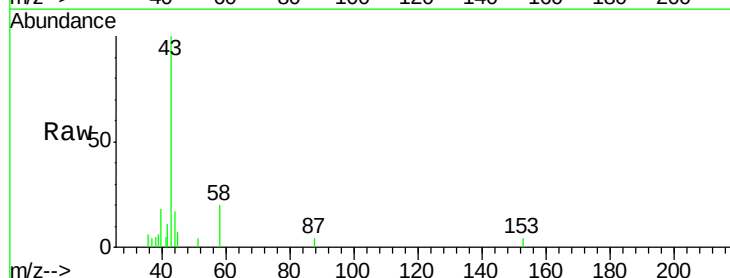
RT: 4.16 min Scan# 380

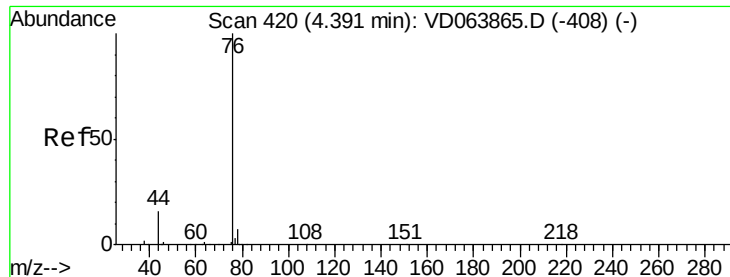
Delta R.T. -0.01 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Tgt Ion:	43	Resp:	12914
Ion Ratio	Lower	Upper	
43	100		
58	16.7	26.2	39.4#





#17

Carbon Disulfide

Concen: 5.598 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

ClientSampled :

VSTDIC005

Tot Ion: 76 Resp: 33250

Ion Ratio Lower Upper

76 100

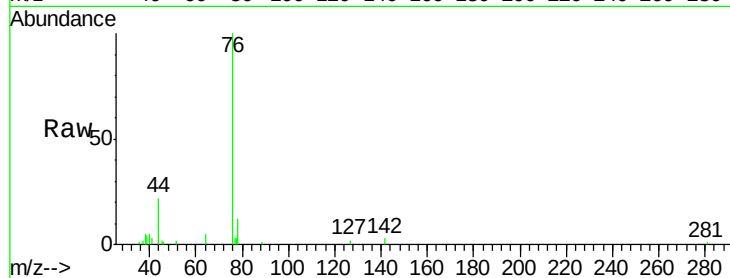
78 12.3 5.8 8.8#

Manual Integrations

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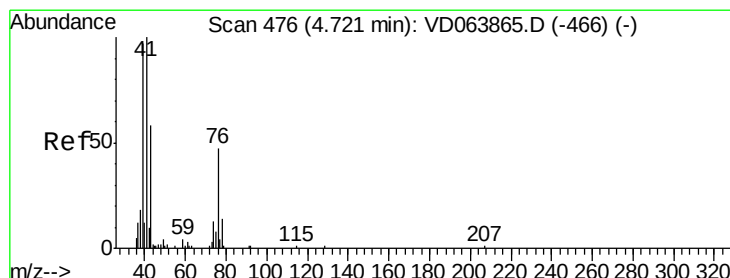
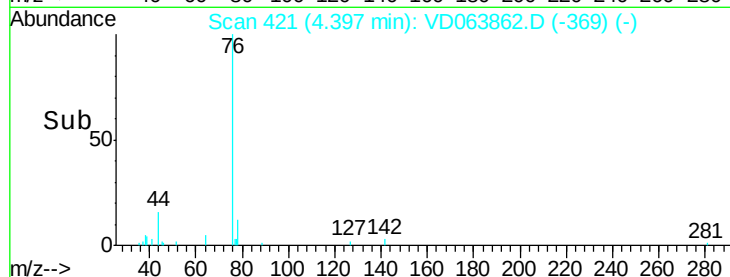
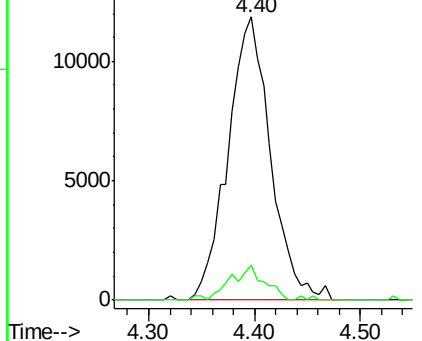
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 5.035 ug/l m

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD063862.D

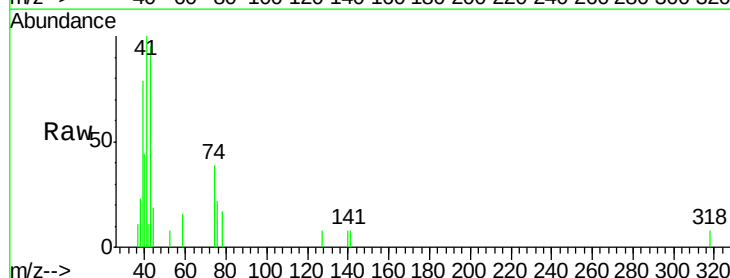
Acq: 02 Oct 2019 15:54

Tgt Ion: 43 Resp: 5370

Ion Ratio Lower Upper

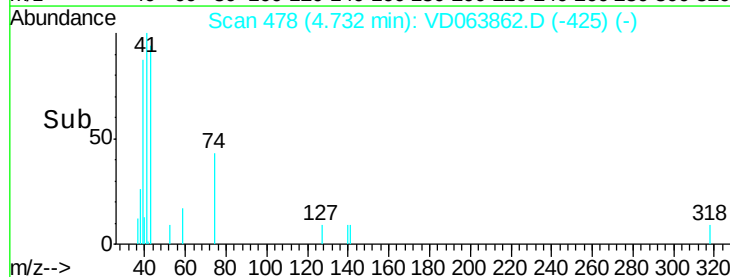
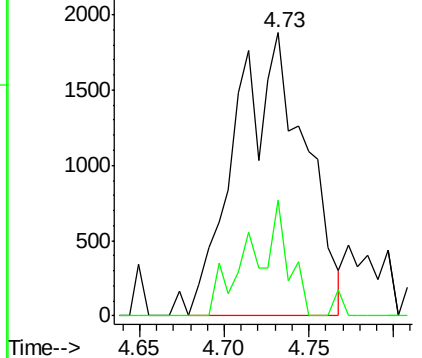
43 100

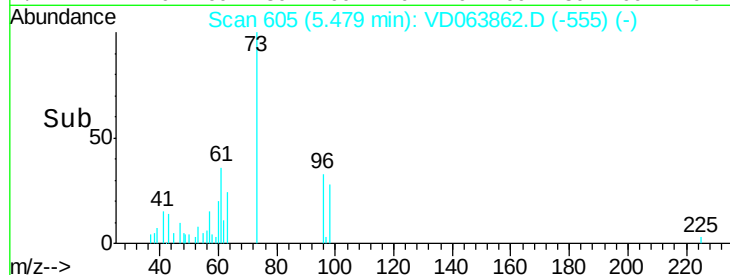
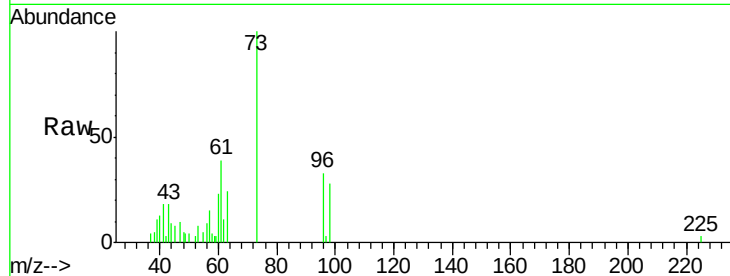
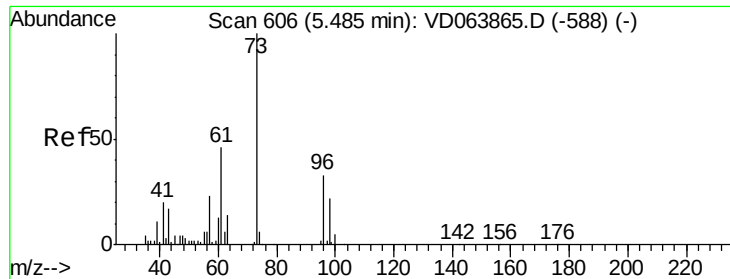
74 13.1 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





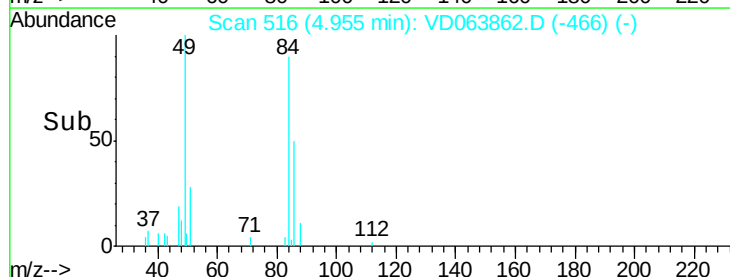
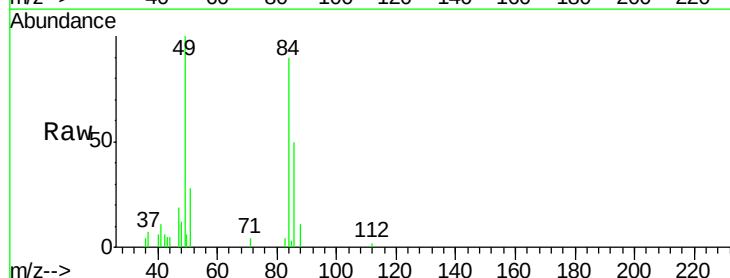
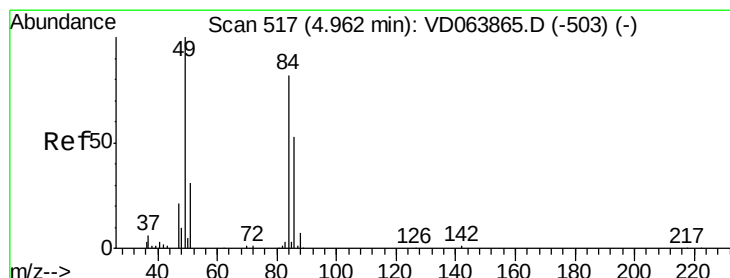
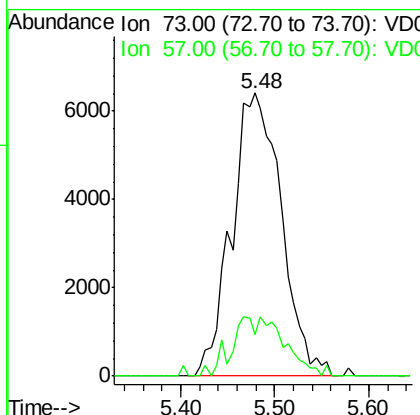
#19
Methyl tert-butyl Ether
Concen: 5.346 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Tot Ion: 73 Resp: 23448
Ion Ratio Lower Upper
73 100
57 14.6 18.1 27.1#

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

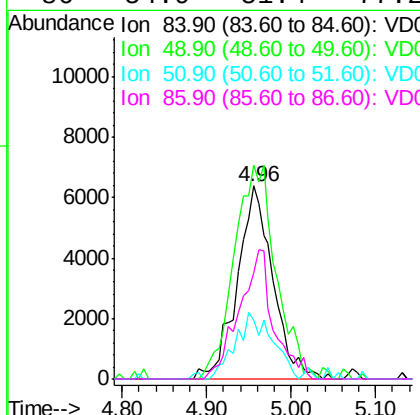
Manual Integrations
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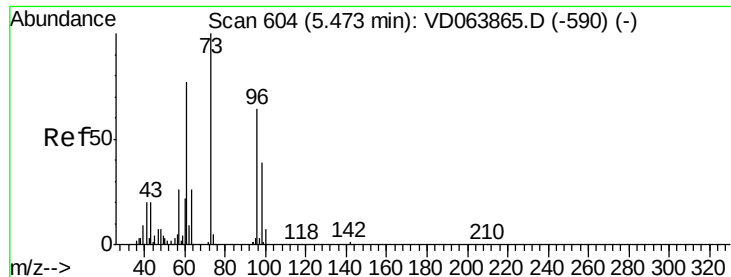
MMDadoda
10/3/2019 12:54:34 PM



#20
Methylene Chloride
Concen: 7.144 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Tgt Ion: 84 Resp: 18688
Ion Ratio Lower Upper
84 100
49 110.5 97.3 145.9
51 30.8 30.1 45.1
86 54.9 51.4 77.2





#21

trans-1,2-Dichloroethene

Concen: 5.603 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

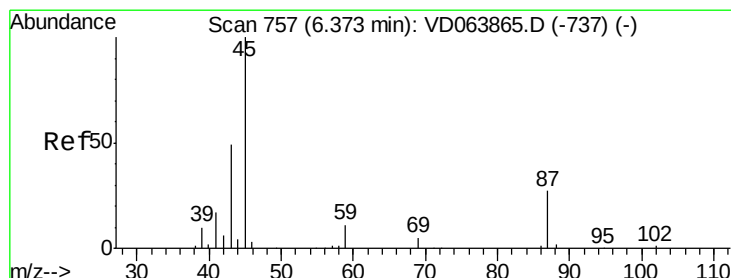
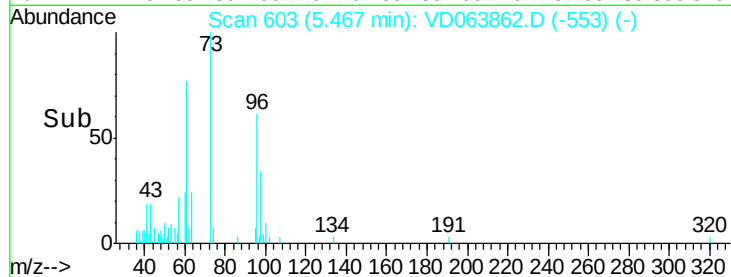
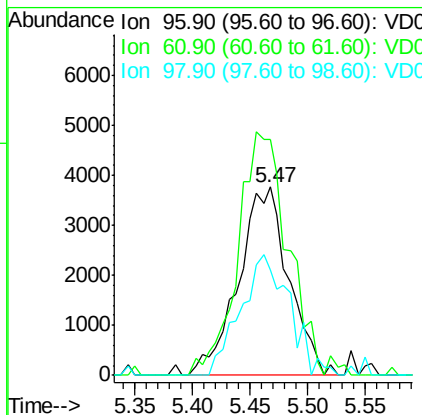
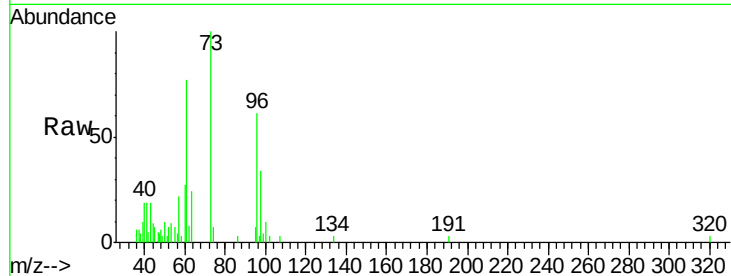
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	11463
Ion	Ratio	Lower	Upper
96	100		
61	125.8	96.6	145.0
98	56.4	48.7	73.1

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#22

Diisopropyl ether

Concen: 5.391 ug/l

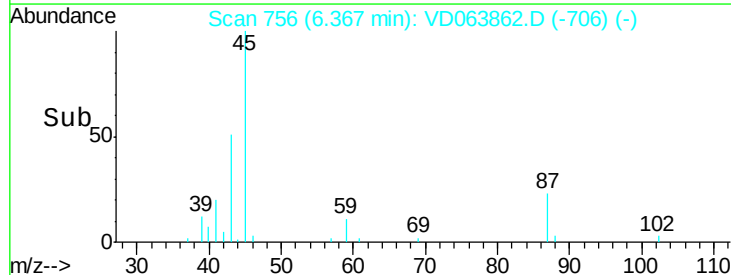
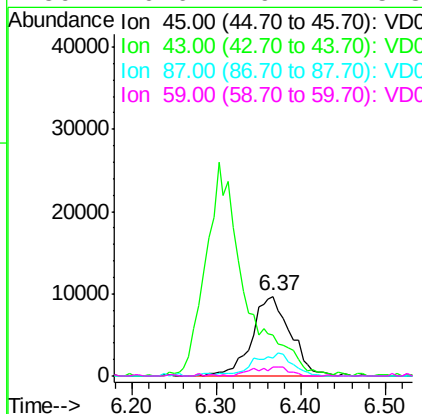
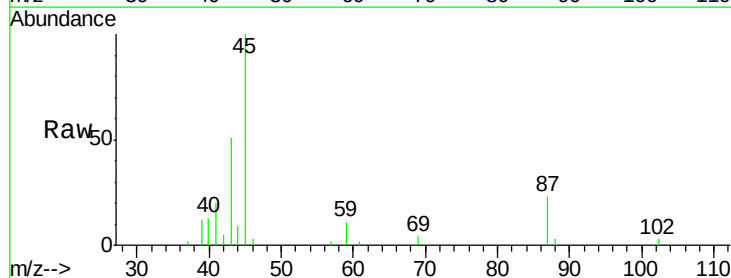
RT: 6.37 min Scan# 756

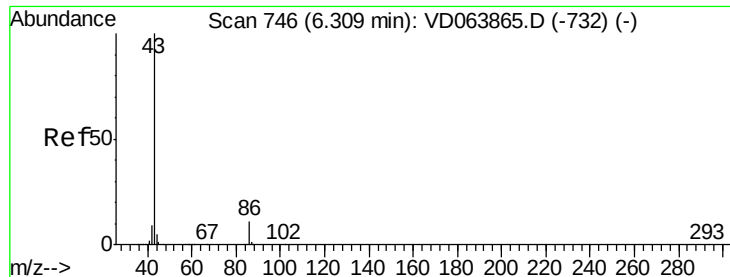
Delta R.T. -0.01 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Tgt Ion:	45	Resp:	30785
Ion	Ratio	Lower	Upper
45	100		
43	45.7	41.2	61.8
87	23.1	22.2	33.4
59	10.6	9.2	13.8





#23

Vinyl Acetate

Concen: 24.691 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 83864

Ion Ratio Lower Upper

43 100

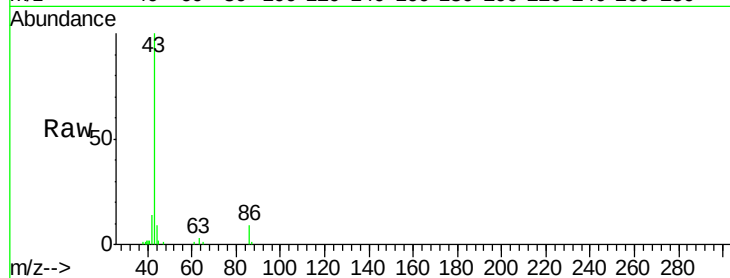
86 8.9 8.8 13.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

25000

20000

15000

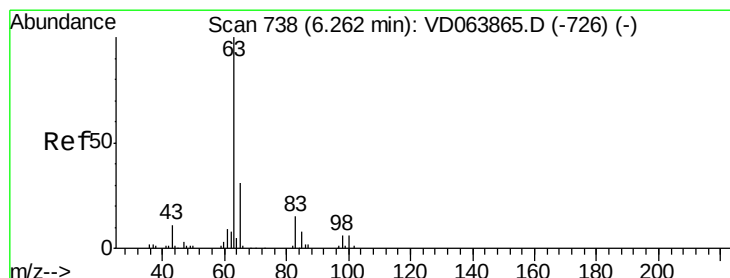
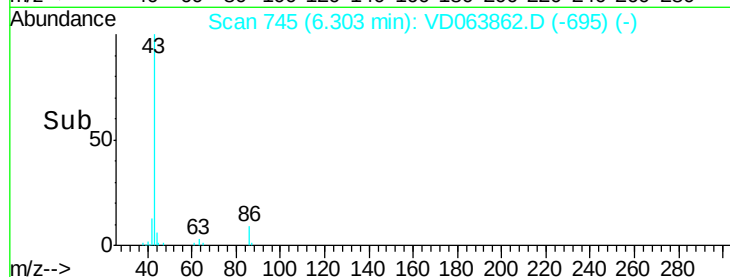
10000

5000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 5.423 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

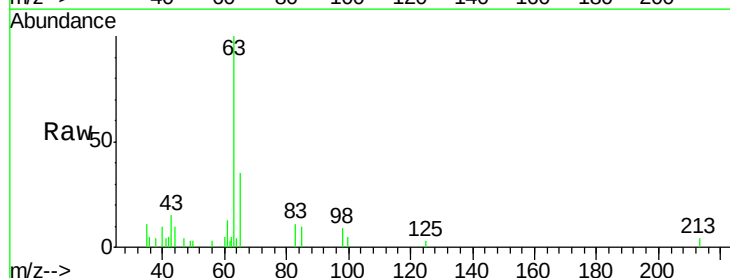
Tgt Ion: 63 Resp: 18906

Ion Ratio Lower Upper

63 100

98 9.2 3.1 9.4

100 4.5 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

8000

6000

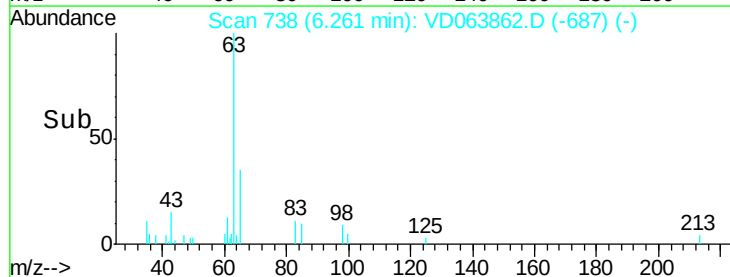
4000

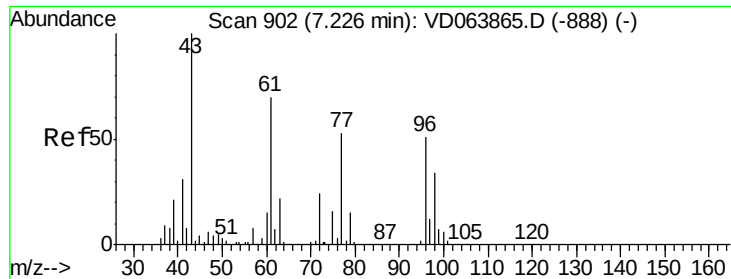
2000

0

Time-->

6.20 6.30





#25

2-Butanone

Concen: 25.466 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 14831

Ion Ratio Lower Upper

43 100

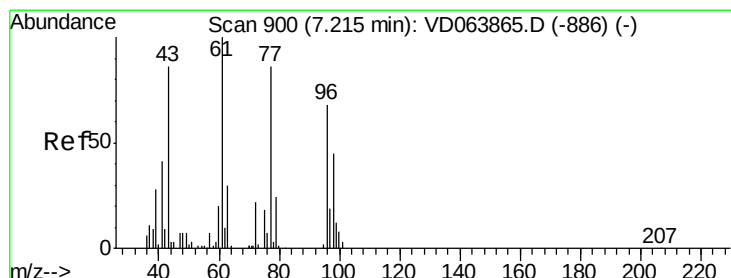
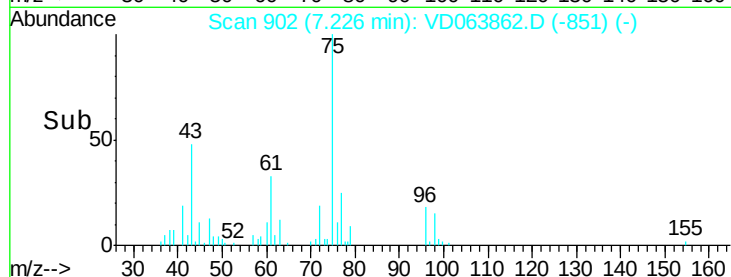
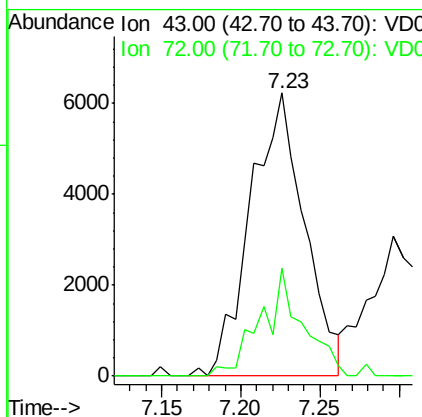
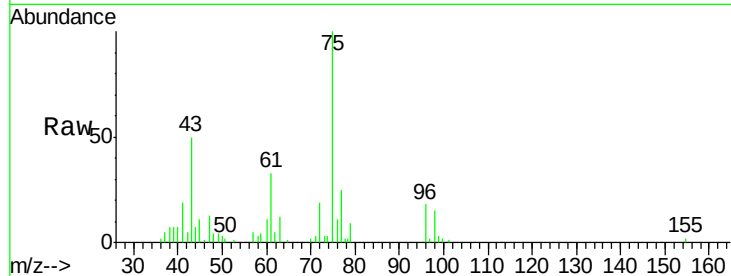
72 38.0 19.2 28.8#

Manual Integrations

APPROVED

MMDadoda

10/3/2019 12:54:34 PM



#26

2,2-Dichloropropane

Concen: 5.682 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD063862.D

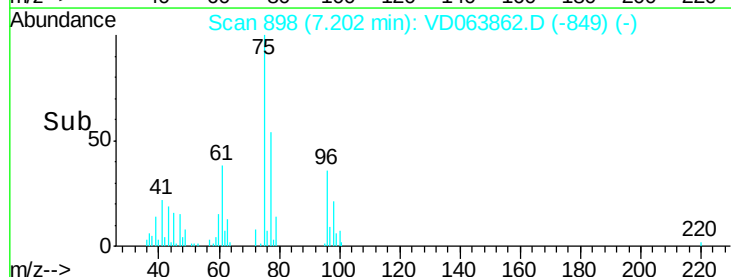
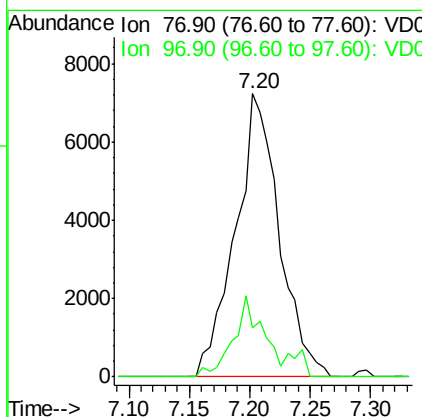
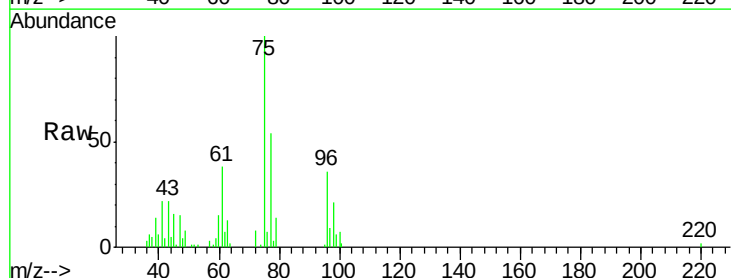
Acq: 02 Oct 2019 15:54

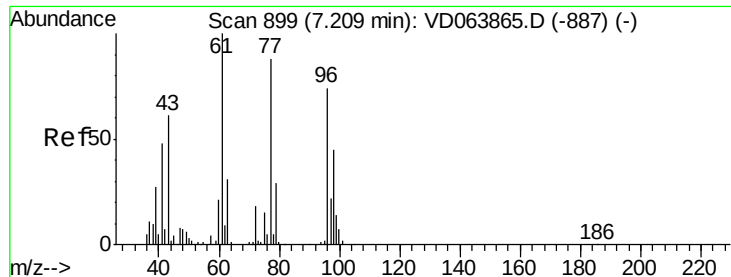
Tgt Ion: 77 Resp: 18321

Ion Ratio Lower Upper

77 100

97 19.3 11.4 34.1





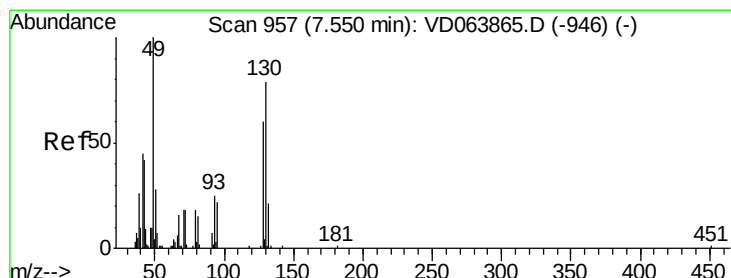
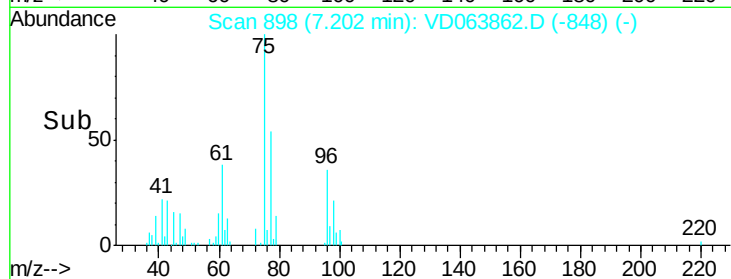
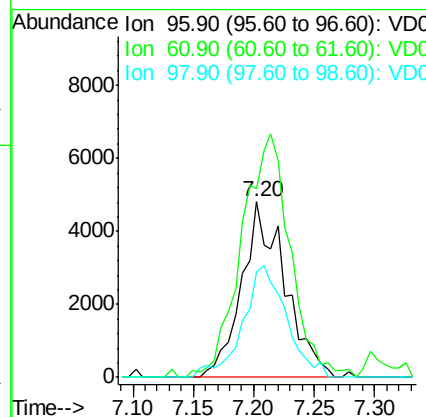
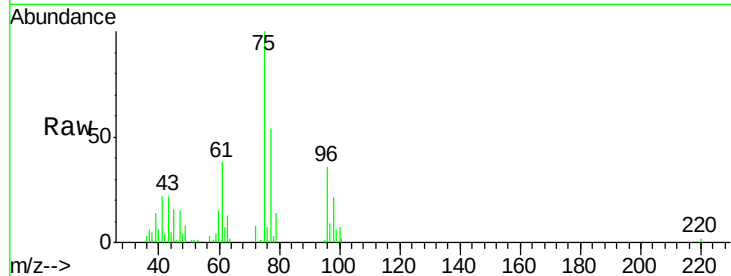
#27
 cis-1,2-Dichloroethene
 Concen: 5.258 ug/l
 RT: 7.20 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	155.6	0.0	280.0
98	64.0	0.0	130.4

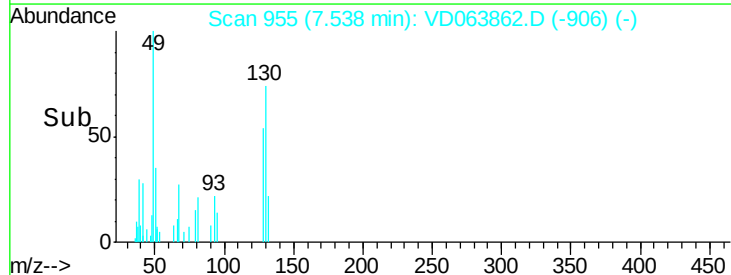
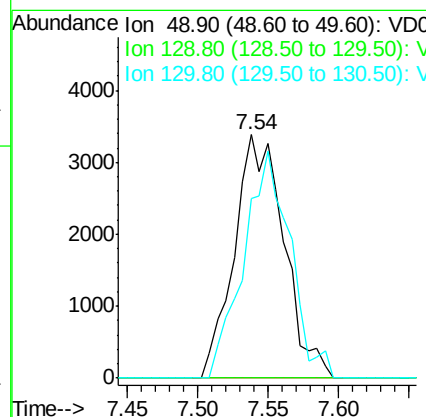
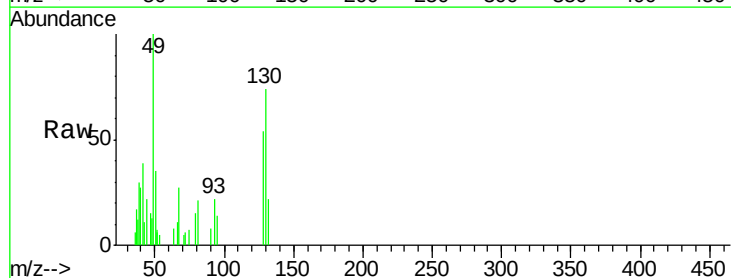
Manual Integrations
 APPROVED

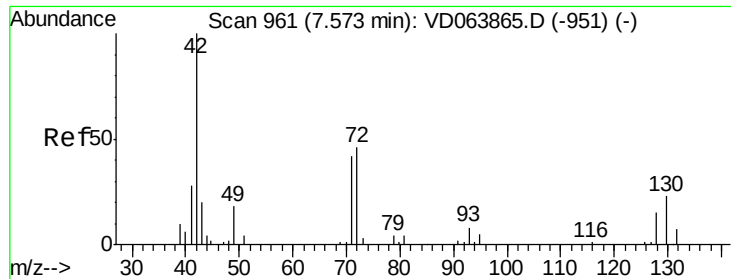
MMDadoda
 10/3/2019 12:54:34 PM



#28
 Bromochloromethane
 Concen: 6.215 ug/l
 RT: 7.54 min Scan# 955
 Delta R.T. -0.01 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

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





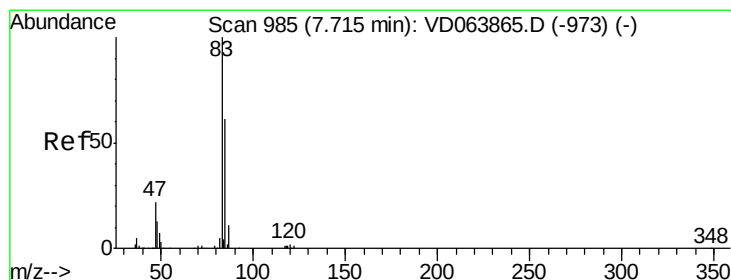
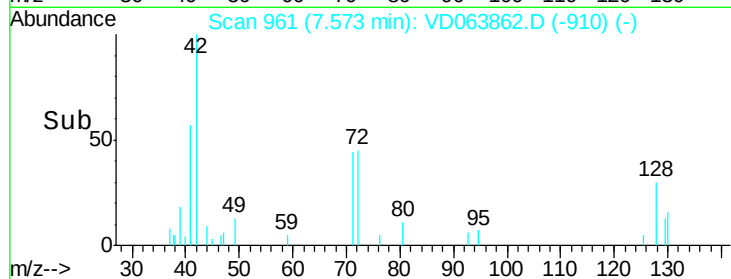
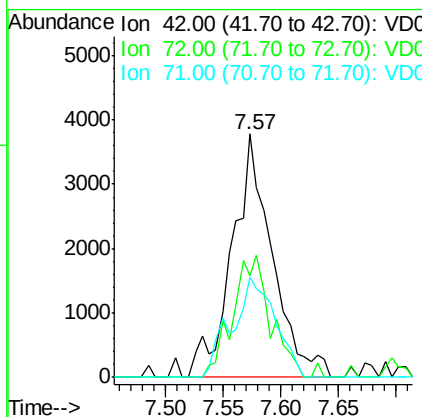
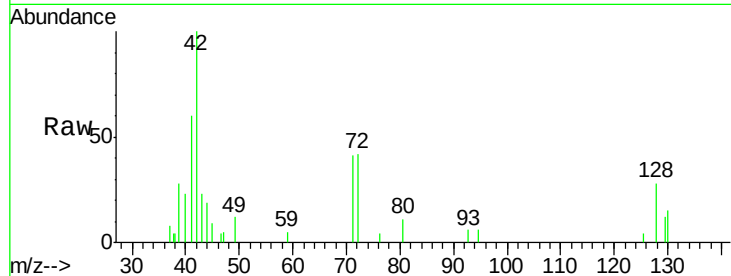
#29
Tetrahydrofuran
Concen: 27.050 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.9	37.6	56.4
71	44.5	35.0	52.6

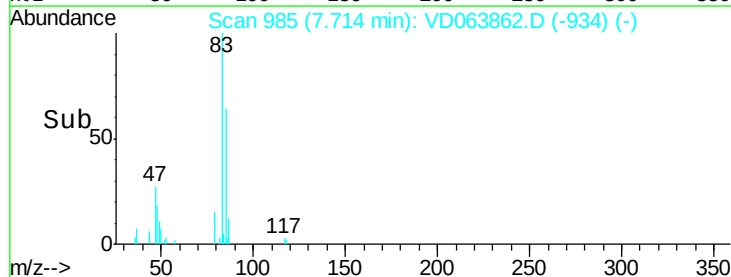
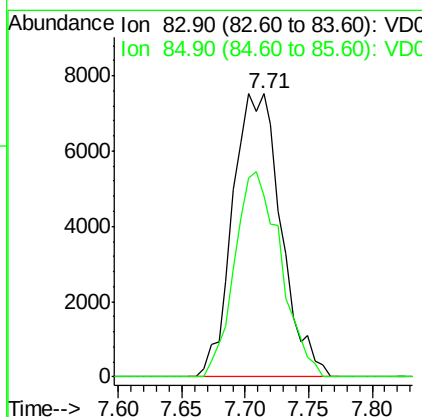
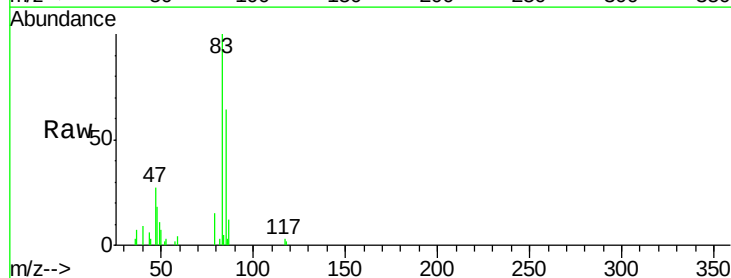
Manual Integrations
APPROVED

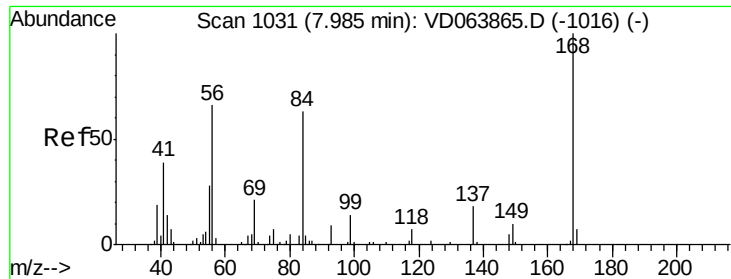
MMDadoda
10/3/2019 12:54:34 PM



#30
Chloroform
Concen: 5.305 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	48.9	73.3





#31

Cyclohexane

Concen: 6.391 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 21870

Ion Ratio Lower Upper

56 100

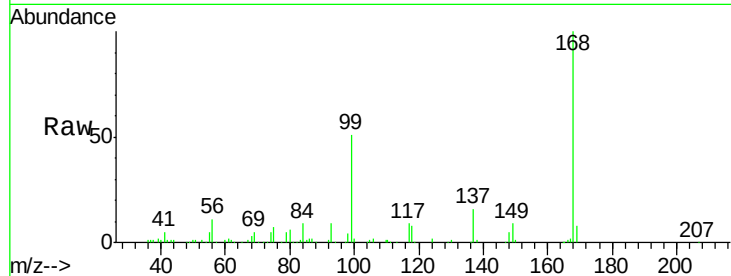
69 45.2 25.0 37.4#

84 86.5 76.3 114.5

Manual Integrations
APPROVED

MMDadoda

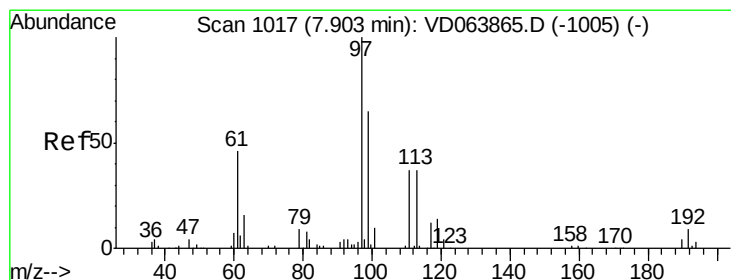
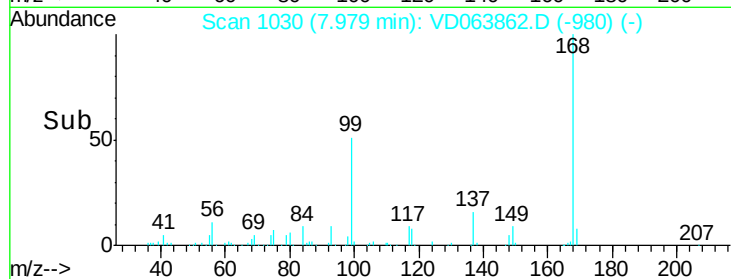
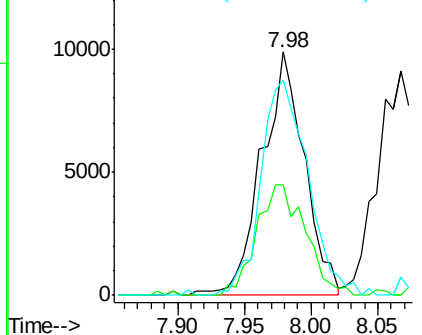
10/3/2019 12:54:34 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 5.222 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

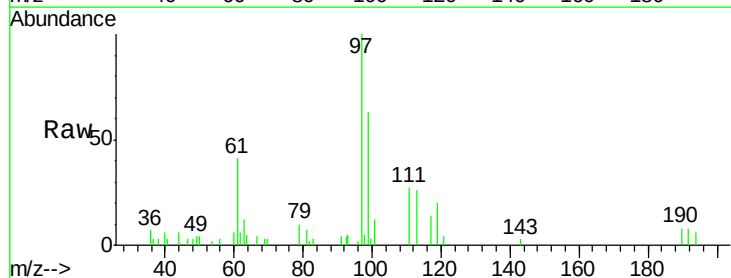
Tgt Ion: 97 Resp: 17738

Ion Ratio Lower Upper

97 100

99 63.7 52.4 78.6

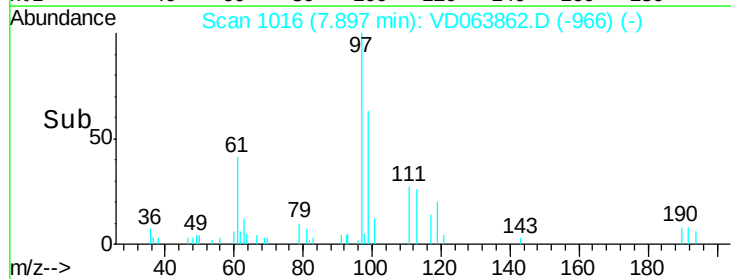
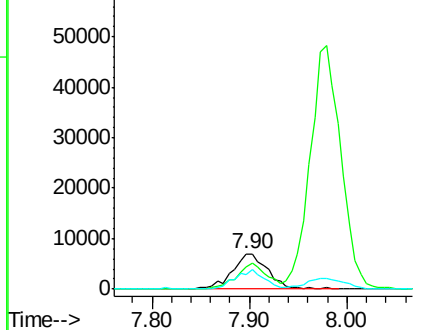
61 45.9 33.8 50.8

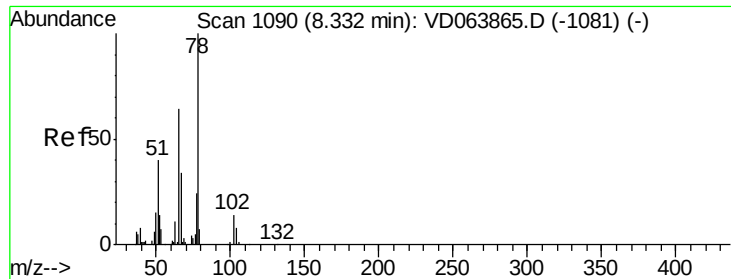


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





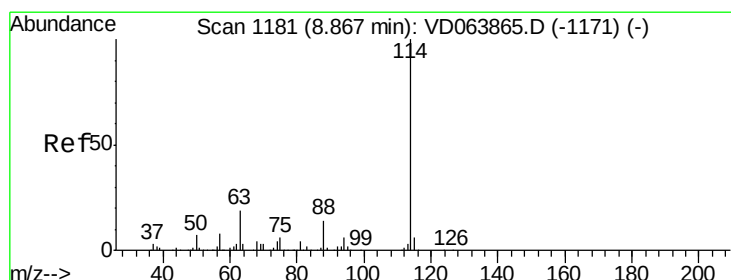
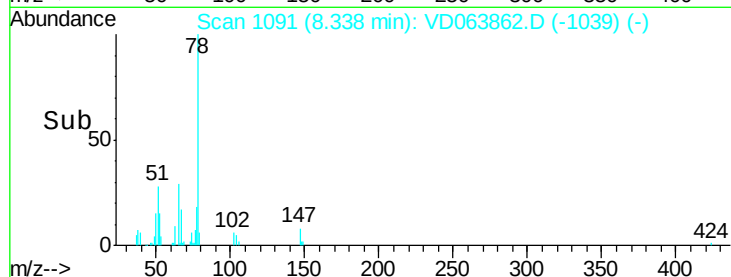
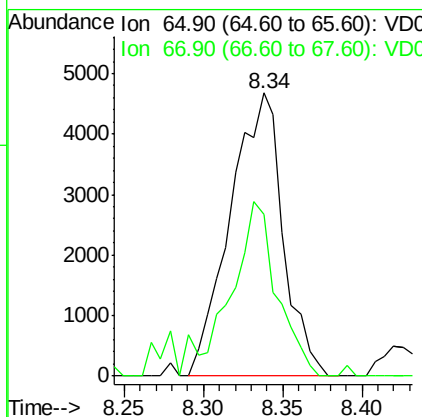
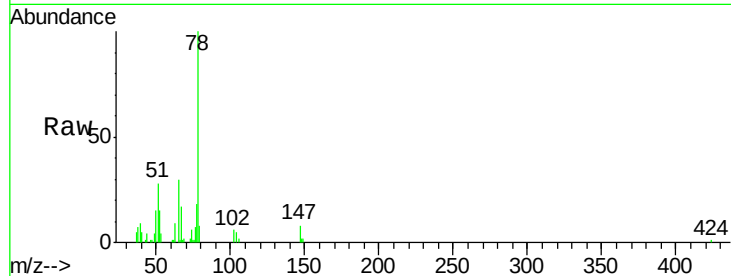
#33
 1,2-Dichloroethane-d4
 Concen: 5.604 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Instrument :
 MSVOA_D
 ClientSampled :
 VSTDIC005

Tot Ion: 65 Resp: 10841
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 106.4

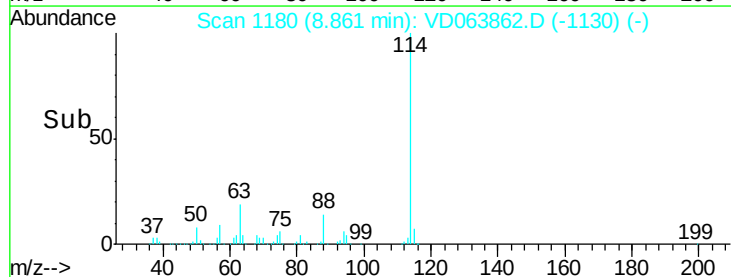
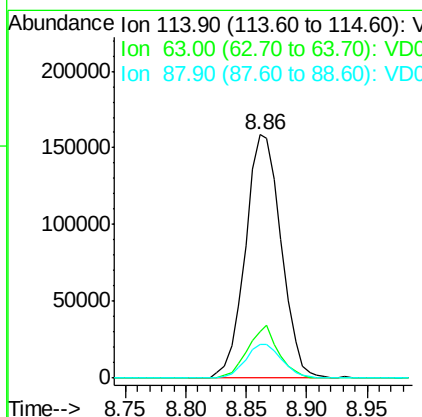
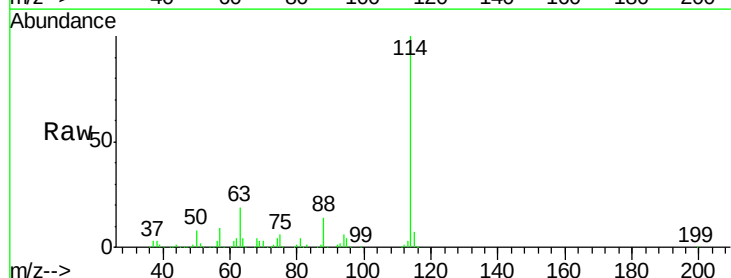
Manual Integrations
 APPROVED

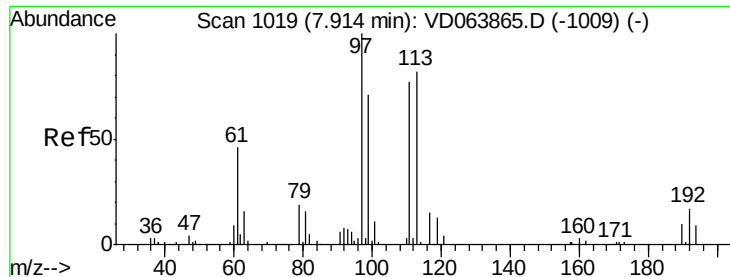
MMDadoda
 10/3/2019 12:54:34 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Tgt Ion: 114 Resp: 327074
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 38.4
 88 13.7 0.0 27.4





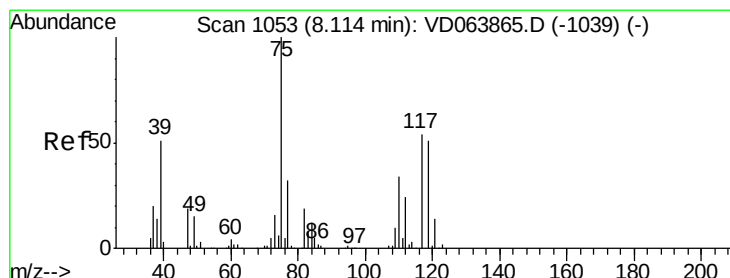
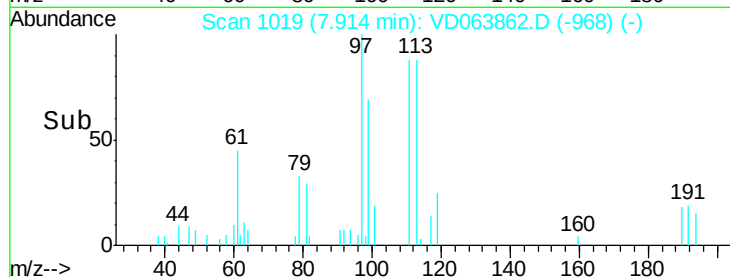
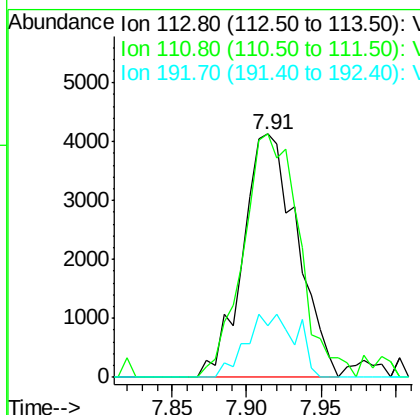
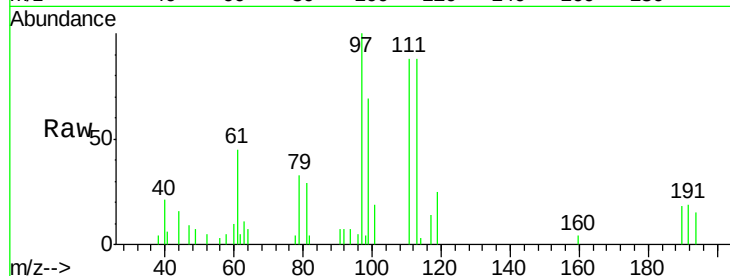
#35
Dibromofluoromethane
Concen: 5.055 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	123.8
192	24.1	17.1	25.7

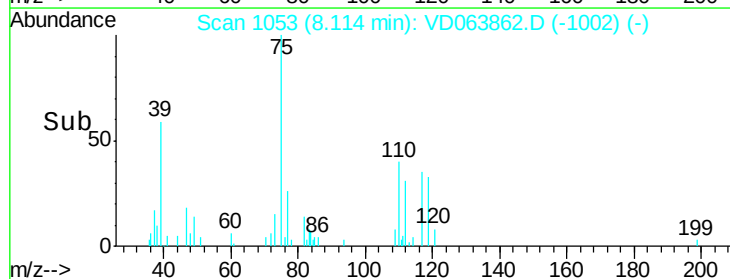
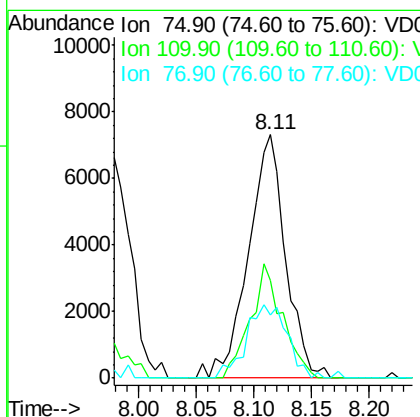
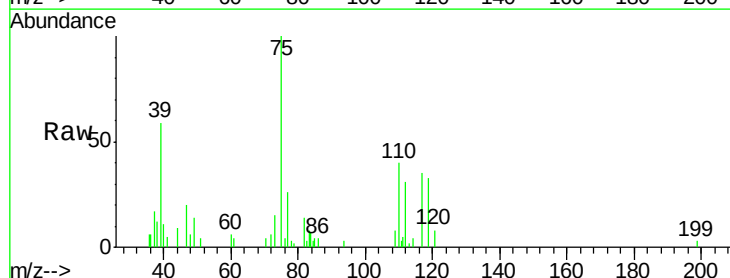
Manual Integrations
APPROVED

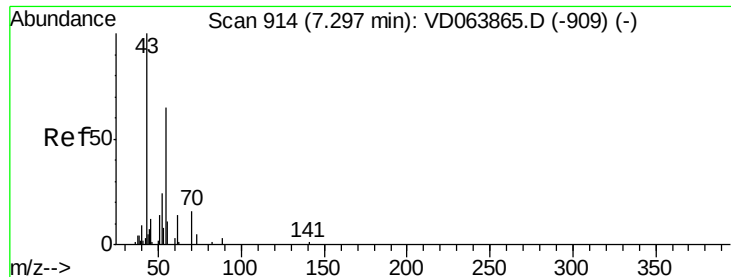
MMDadoda
10/3/2019 12:54:34 PM



#36
1,1-Dichloropropene
Concen: 5.563 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.6	17.4	52.3
77	33.0	25.4	38.0





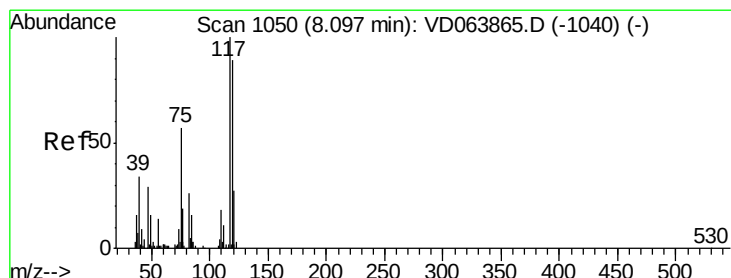
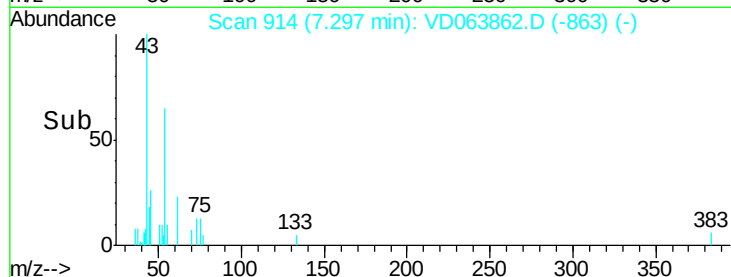
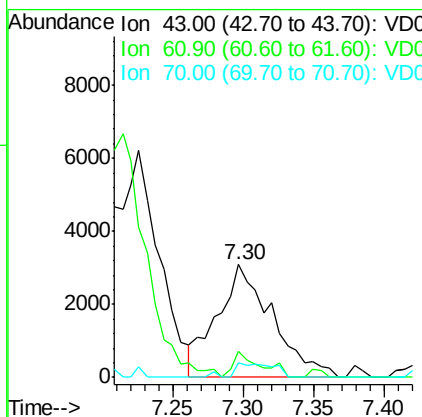
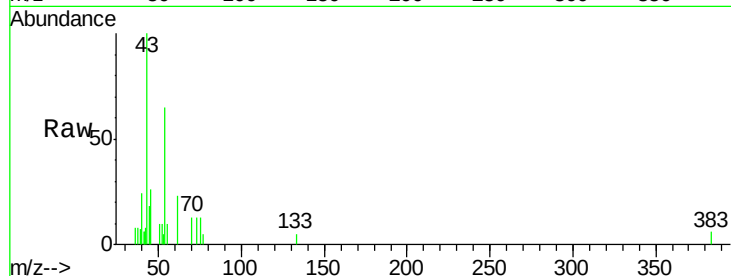
#37
Ethyl Acetate
Concen: 6.696 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.2	11.5	17.3#
70	9.1	8.2	12.4

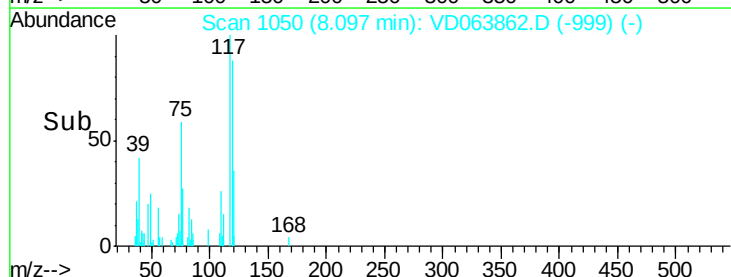
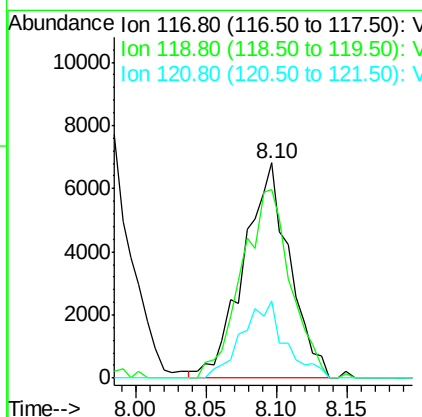
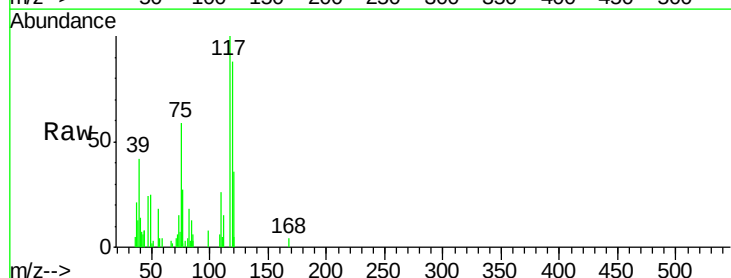
Manual Integrations
APPROVED

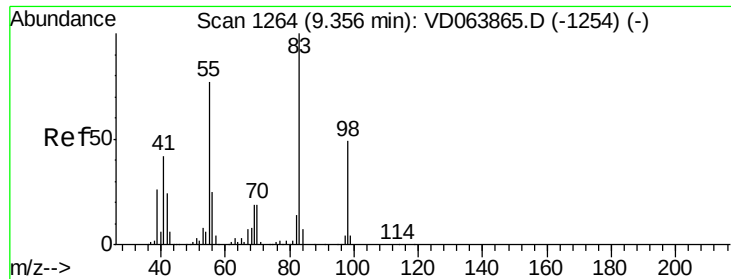
MMDadoda
10/3/2019 12:54:34 PM



#38
Carbon Tetrachloride
Concen: 5.098 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.8	70.8	106.2
121	36.2	21.4	32.0#





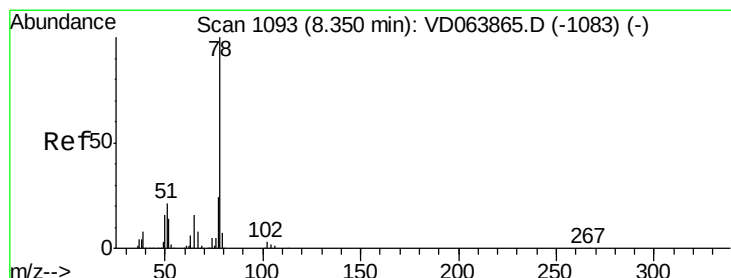
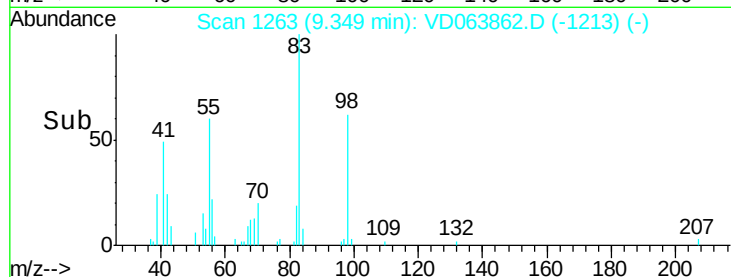
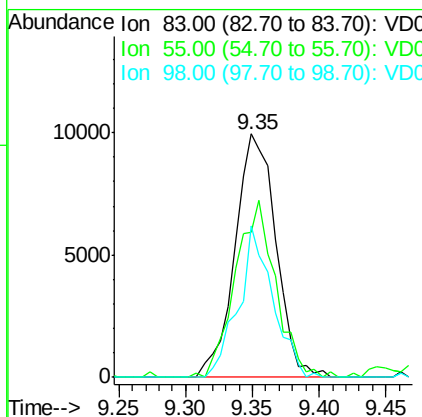
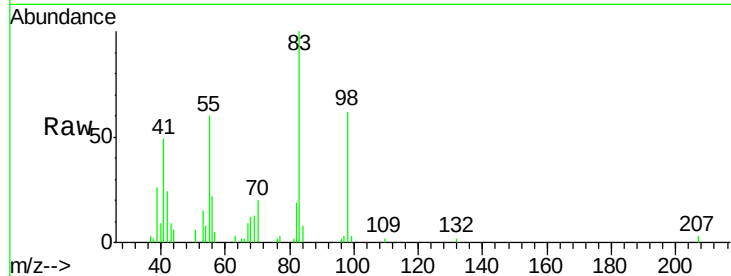
#39
Methylvlcyclohexane
Concen: 5.738 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	59.7	61.3	91.9#
98	62.2	39.3	58.9#

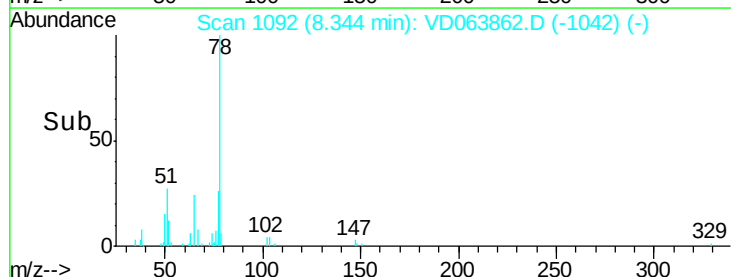
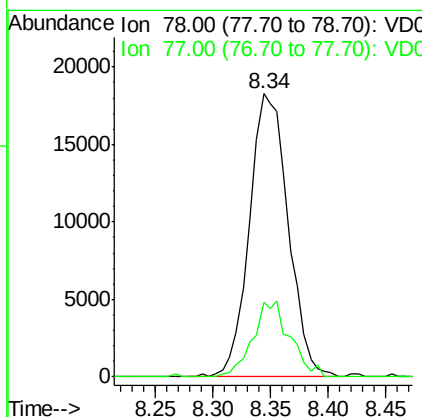
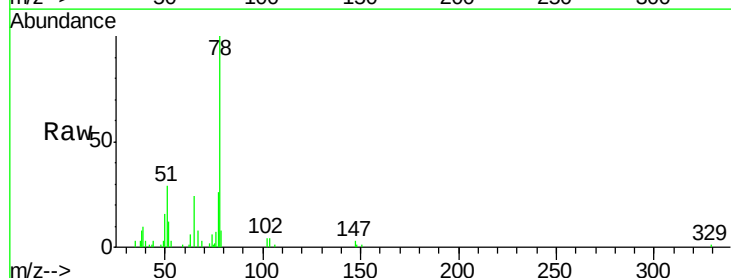
Manual Integrations
APPROVED

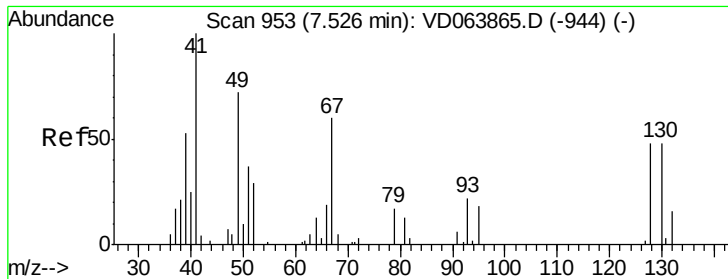
MMDadoda
10/3/2019 12:54:34 PM



#40
Benzene
Concen: 5.227 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	26.3	19.0	28.6





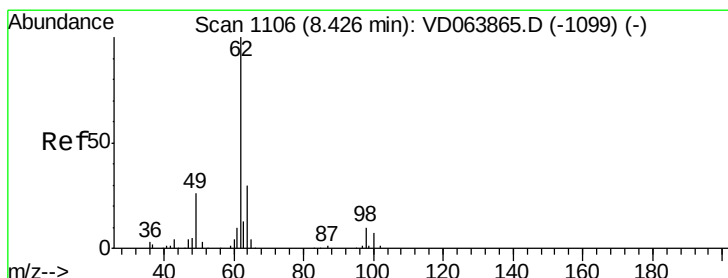
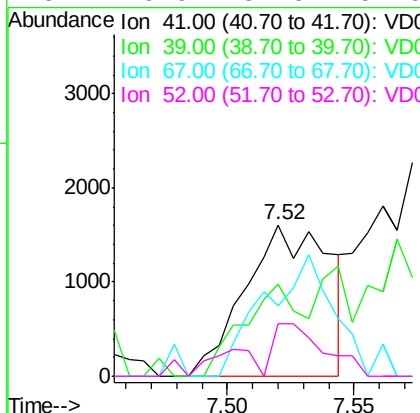
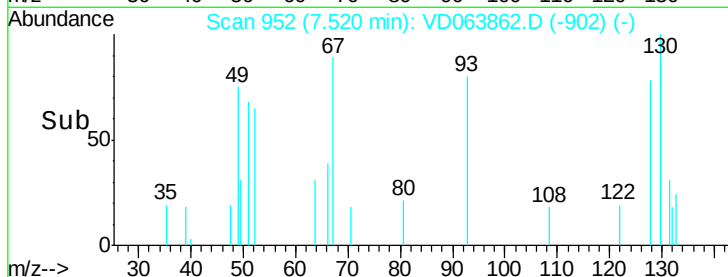
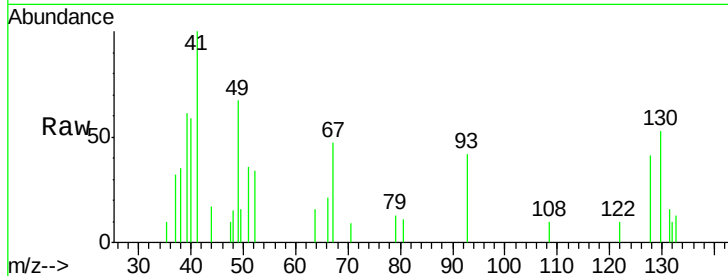
#41
Methacrylonitrile
Concen: 5.207 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	42.8	52.6	78.8#	
67	68.5	74.2	111.2#	
52	20.9	34.0	51.0#	

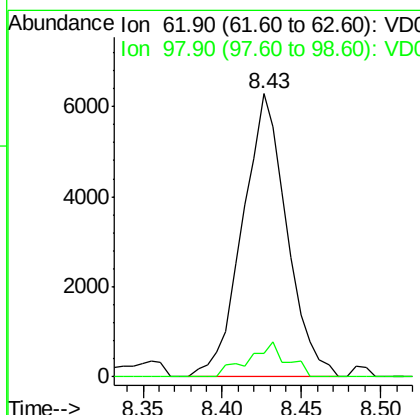
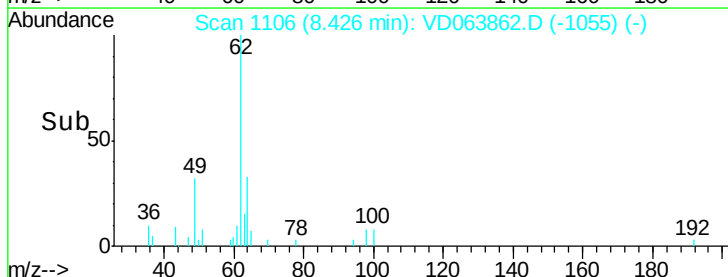
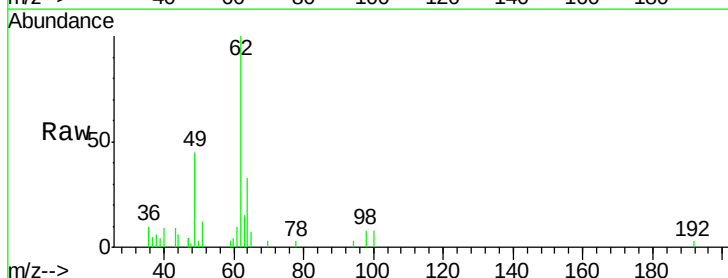
Manual Integrations
APPROVED

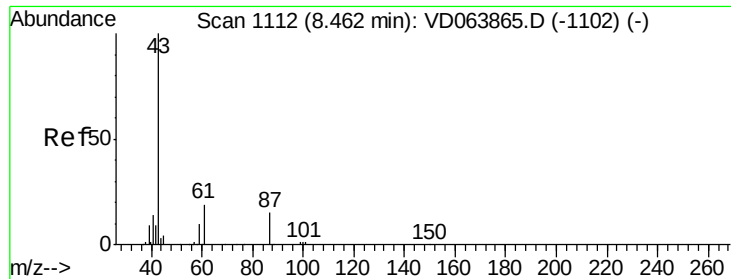
MMDadoda
10/3/2019 12:54:34 PM



#42
1,2-Dichloroethane
Concen: 5.070 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.5	0.0	20.0	





#43

Isopropyl Acetate

Concen: 5.179 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

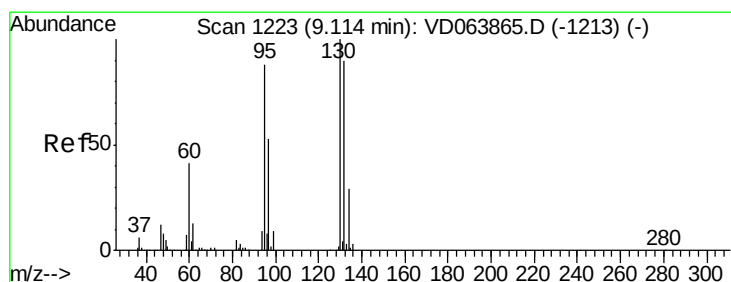
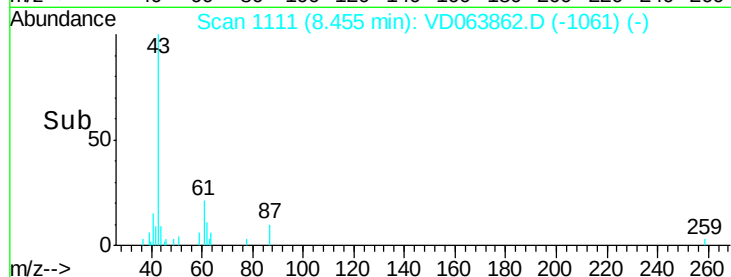
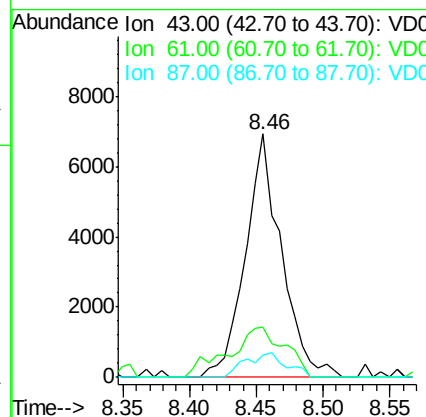
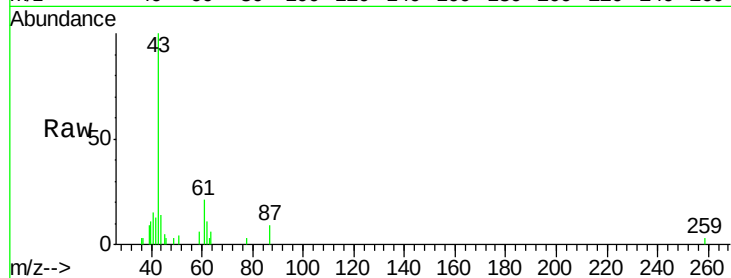
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	12903
Ion	Ratio	Lower	Upper
43	100		
61	32.3	25.7	38.5
87	11.4	11.6	17.4#

Manual Integrations
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MMDadoda
10/3/2019 12:54:34 PM



#44

Trichloroethene

Concen: 5.158 ug/l

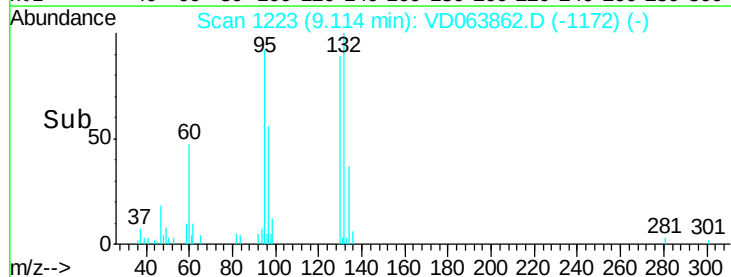
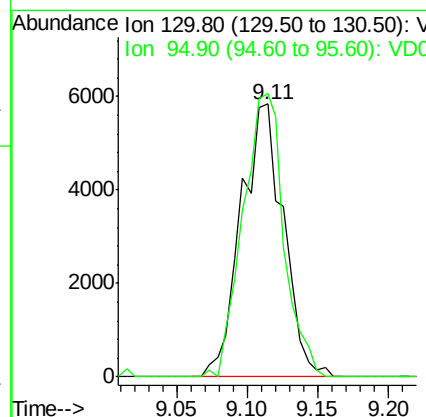
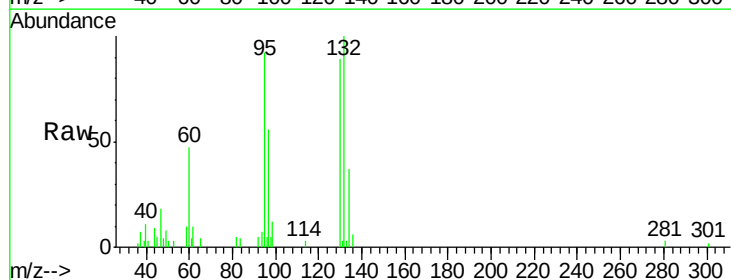
RT: 9.11 min Scan# 1223

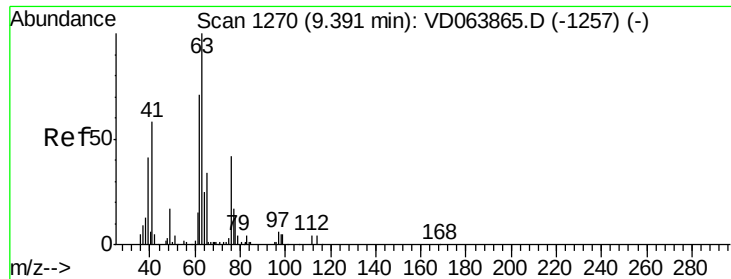
Delta R.T. -0.00 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Tgt Ion:	130	Resp:	12274
Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	175.6





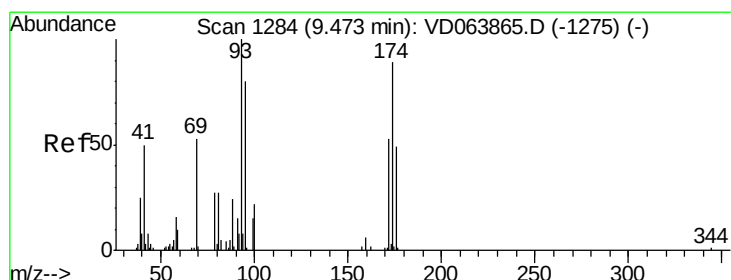
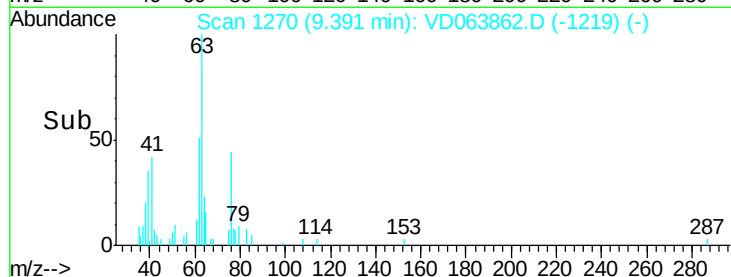
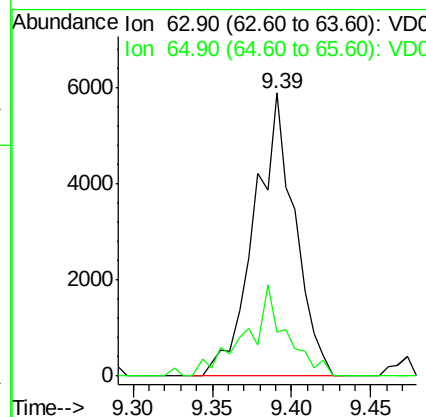
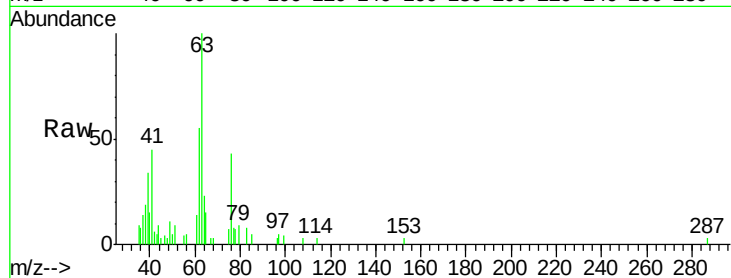
#45
 1,2-Dichloropropane
 Concen: 5.164 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	63	Resp	10478
Ion Ratio	Lower	Upper	
63	100		
65	15.4	27.3	40.9#

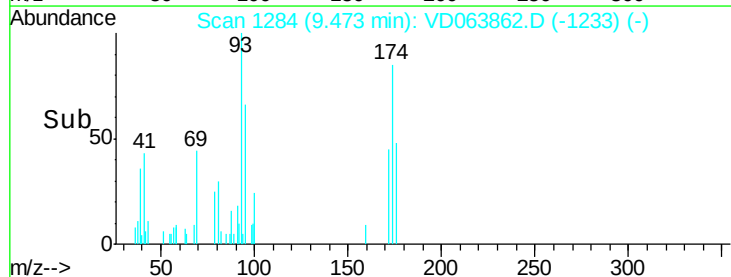
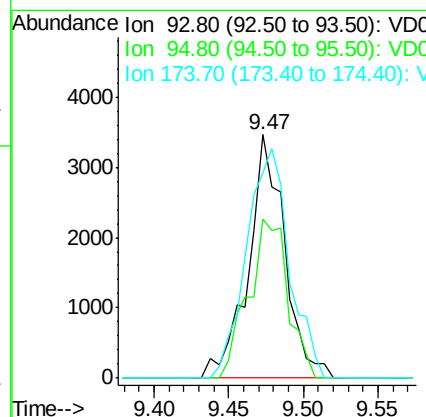
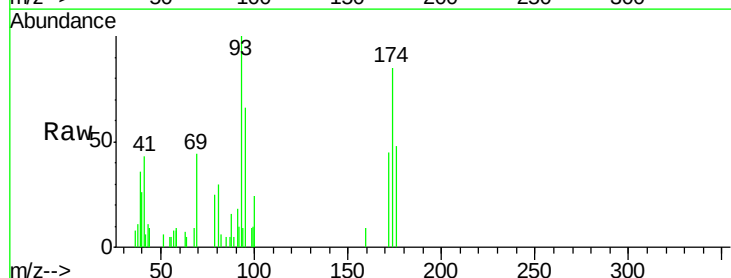
Manual Integrations
 APPROVED

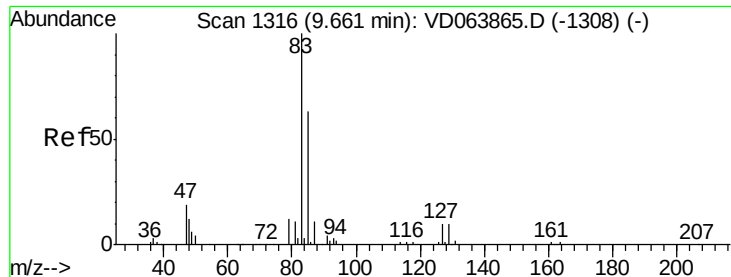
MMDadoda
 10/3/2019 12:54:34 PM



#46
 Dibromomethane
 Concen: 5.077 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Tgt Ion	93	Resp	5824
Ion Ratio	Lower	Upper	
93	100		
95	71.3	66.0	99.0
174	111.3	83.4	125.0





#47

Bromodichloromethane

Concen: 5.311 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

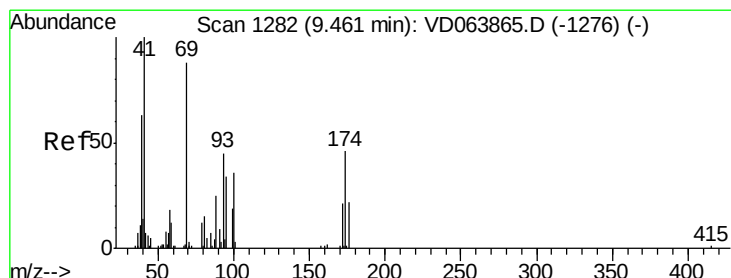
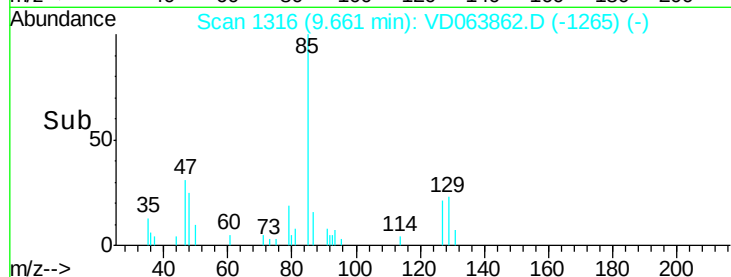
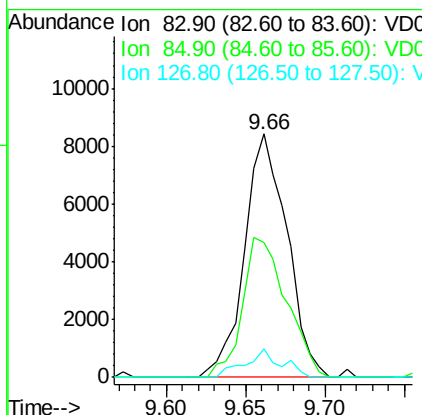
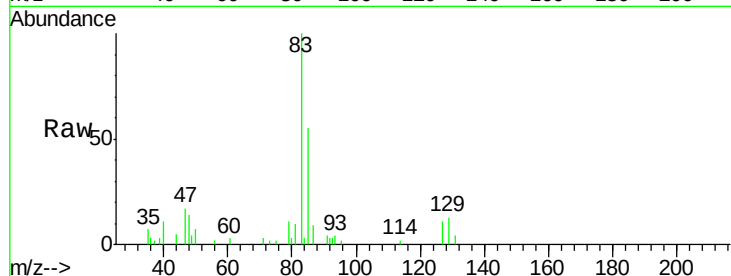
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	15649
Ion	Ratio	Lower	Upper
83	100		
85	55.4	50.2	75.2
127	11.5	7.6	11.4#

Manual Integrations
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#48

Methyl methacrylate

Concen: 5.531 ug/l

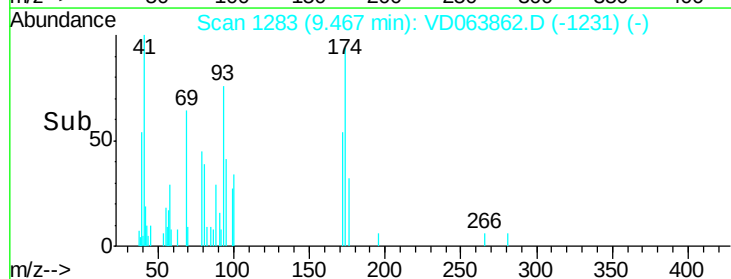
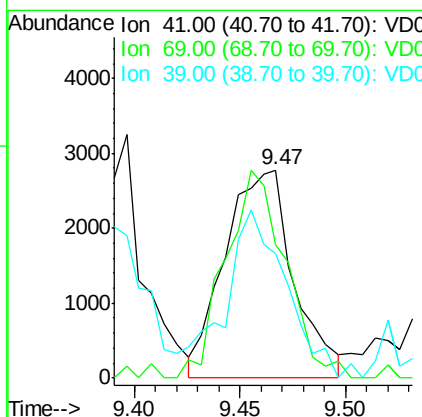
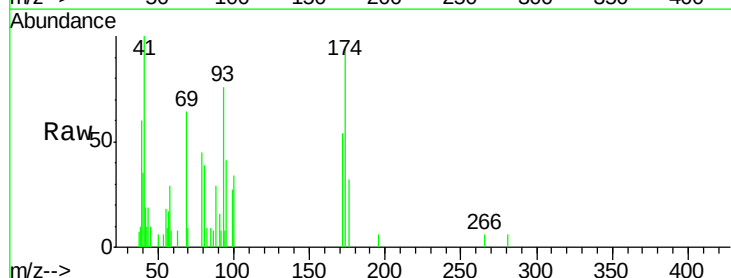
RT: 9.47 min Scan# 1283

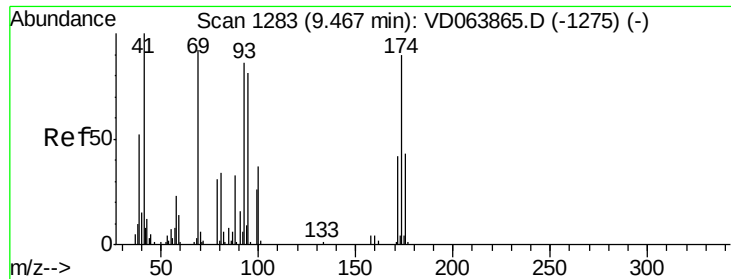
Delta R.T. 0.01 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Tgt Ion:	41	Resp:	6281
Ion	Ratio	Lower	Upper
41	100		
69	87.3	75.1	112.7
39	72.2	50.2	75.2





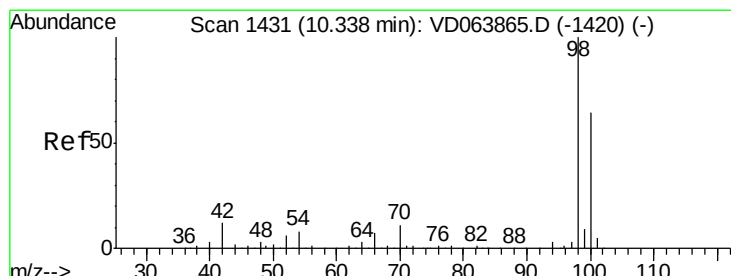
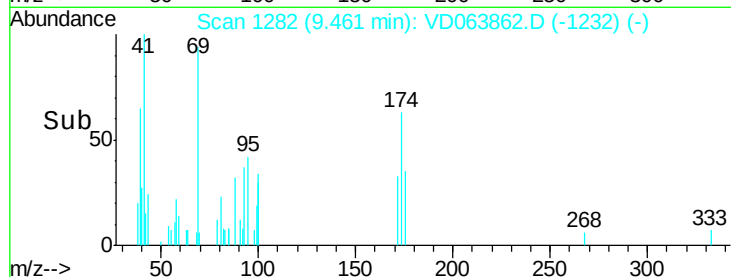
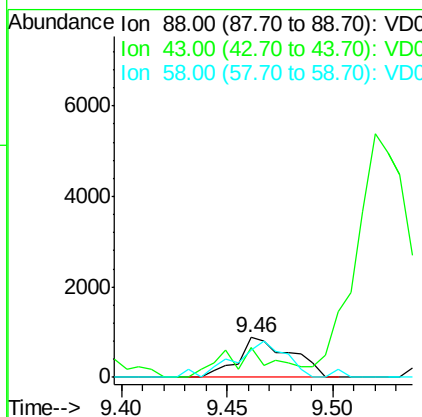
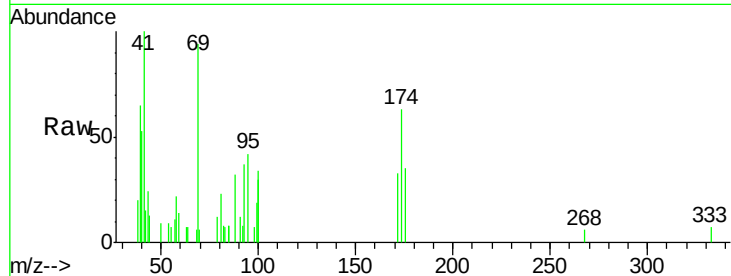
#49
1,4-Dioxane
Concen: 94.338 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	88	Resp	1533
Ion	Ratio	Lower	Upper
88	100		
43	29.1	27.6	41.4
58	88.5	54.1	81.1#

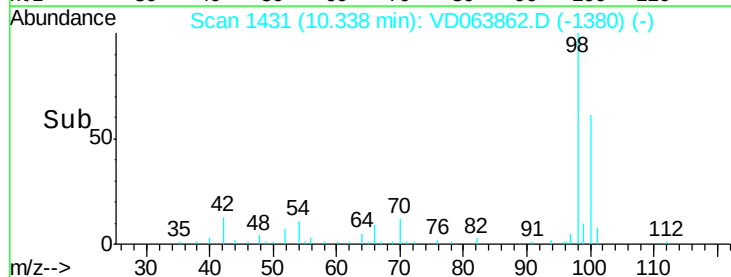
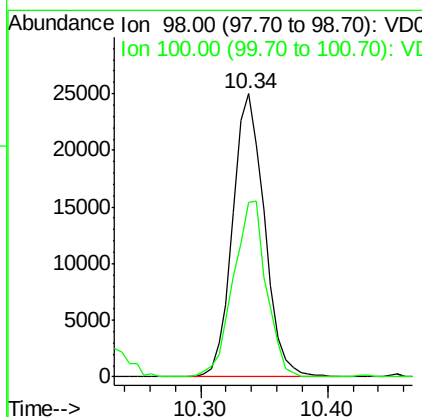
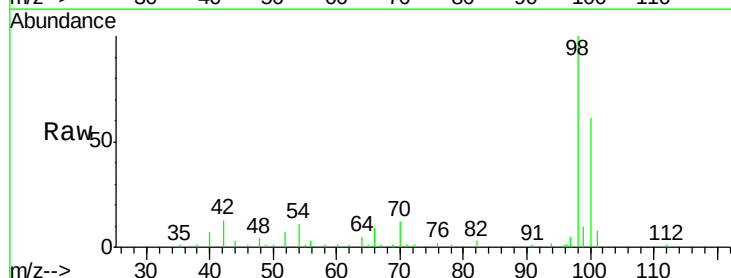
Manual Integrations
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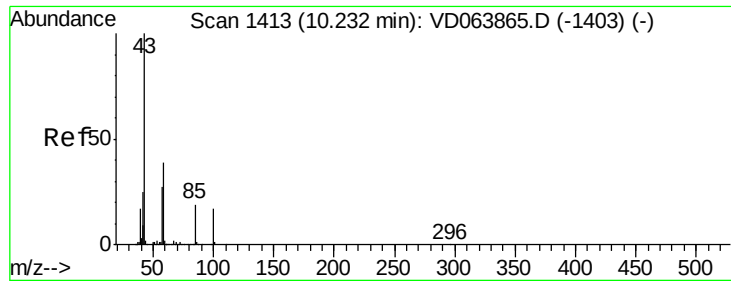
MMDadoda
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#50
Toluene-d8
Concen: 5.561 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Tgt Ion	98	Resp	43323
Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1





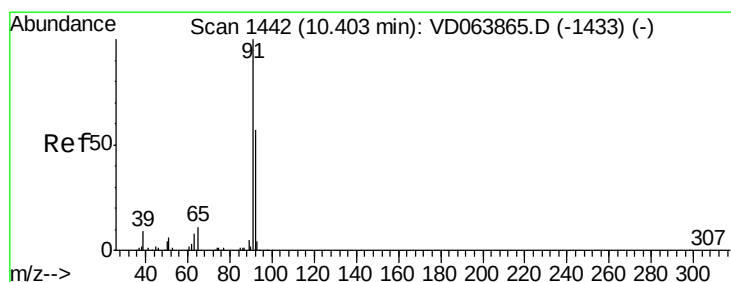
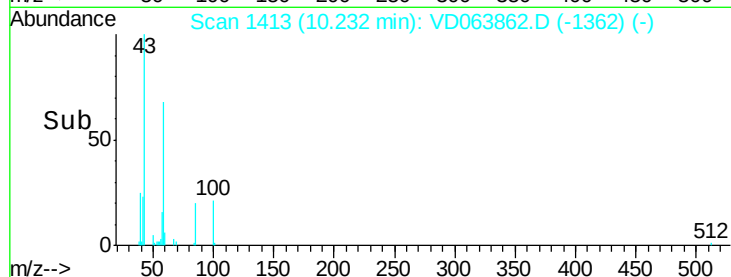
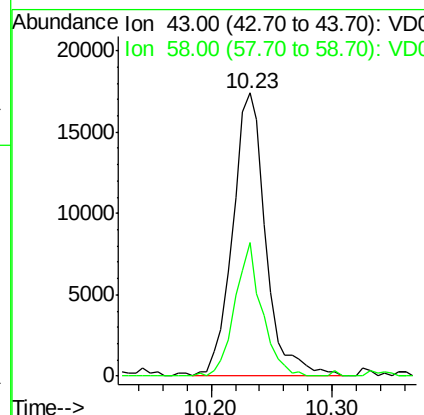
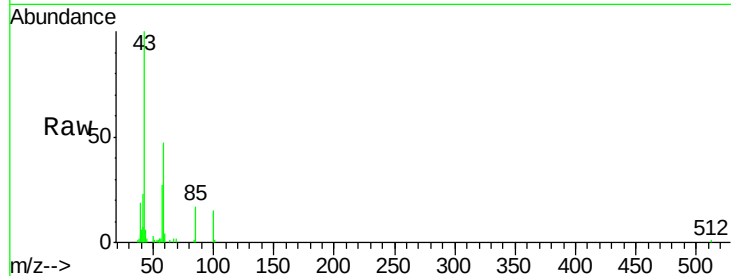
#51
4-Methyl-2-Pentanone
Concen: 26.201 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.7	33.0	49.4

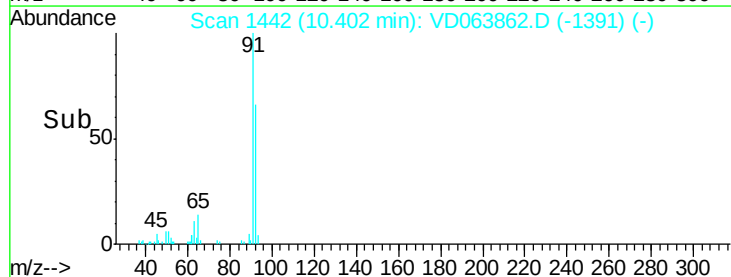
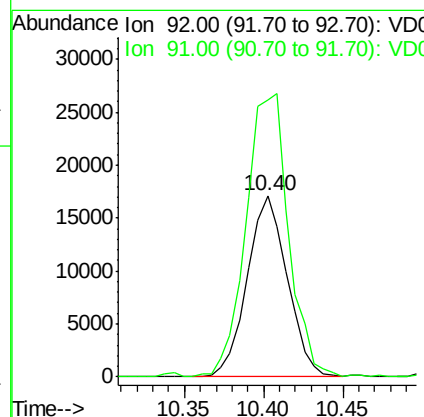
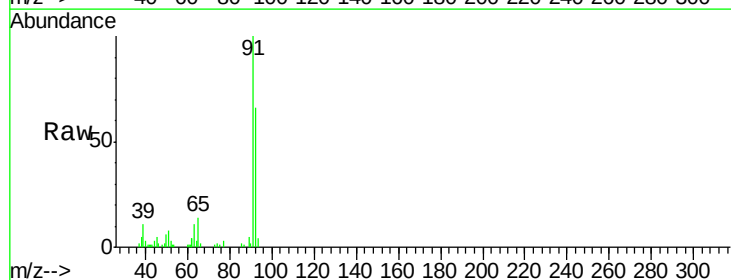
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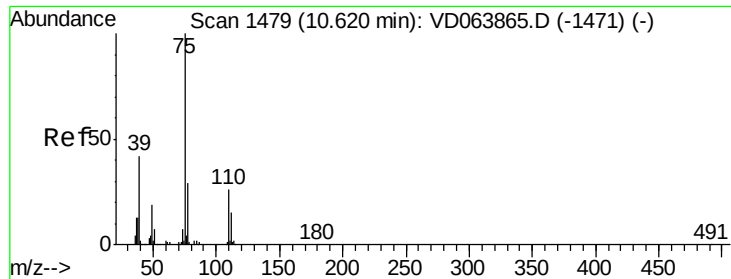
MMDadoda
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#52
Toluene
Concen: 5.396 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
92	100		
91	166.8	139.5	209.3





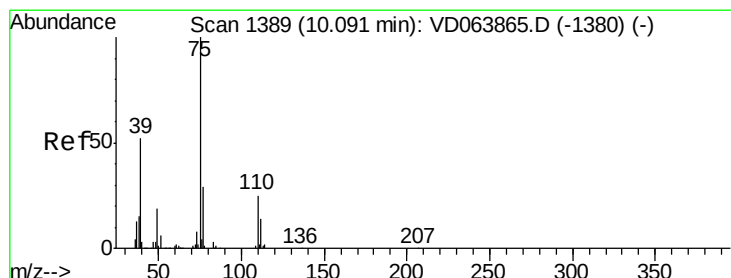
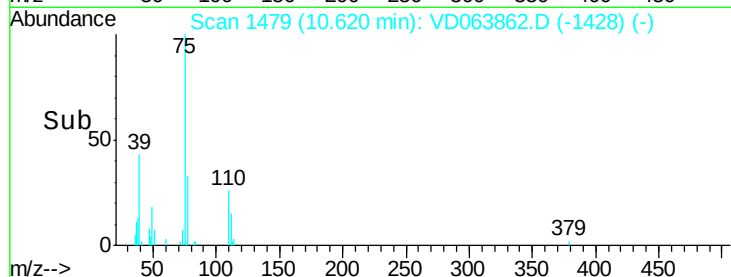
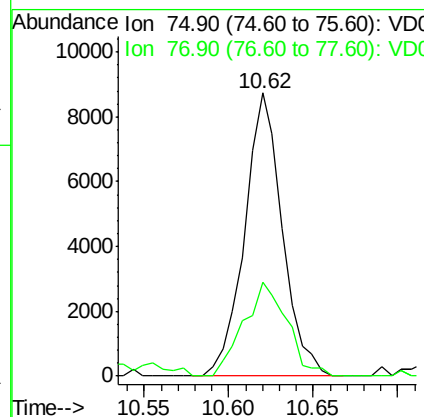
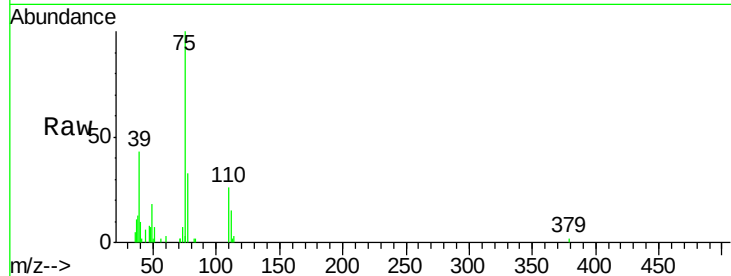
#53
 t-1,3-Dichloropropene
 Concen: 4.648 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 75 Resp: 13585
 Ion Ratio Lower Upper
 75 100
 77 33.1 22.8 34.2

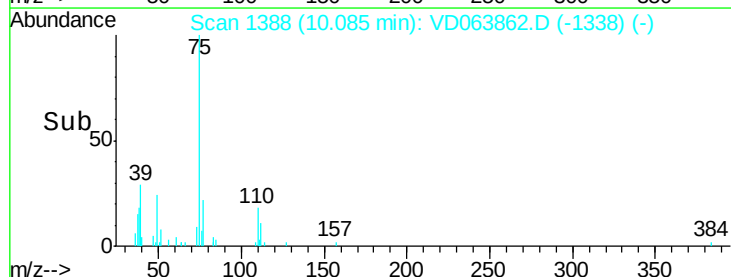
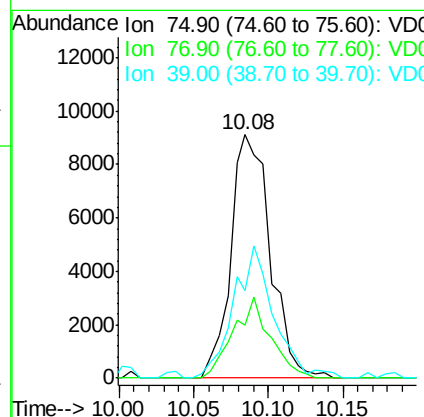
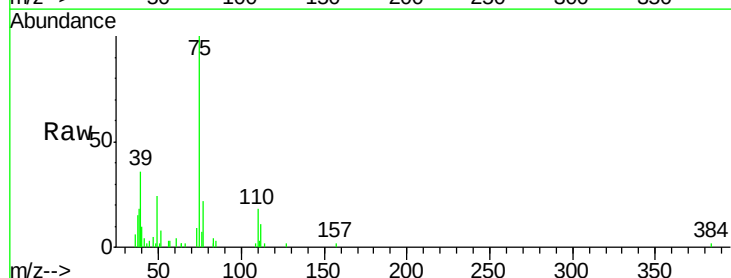
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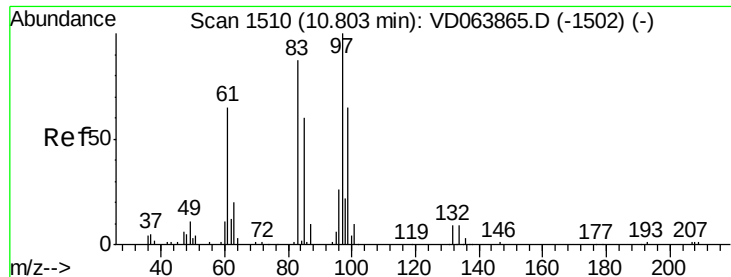
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 5.085 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Tgt Ion: 75 Resp: 16831
 Ion Ratio Lower Upper
 75 100
 77 21.7 23.2 34.8#
 39 36.0 41.5 62.3#





#55

1,1,2-Trichloroethane

Concen: 5.055 ug/l

RT: 10.80 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 97 Resp: 8165

Ion Ratio Lower Upper

97 100

83 68.1 69.7 104.5#

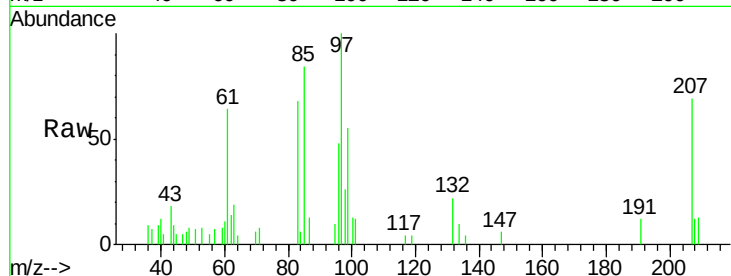
85 83.8 48.1 72.1#

99 54.5 51.9 77.9

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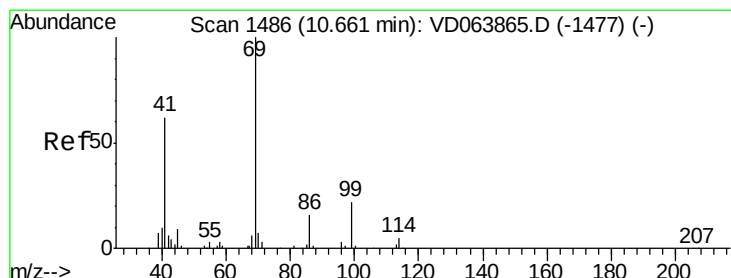
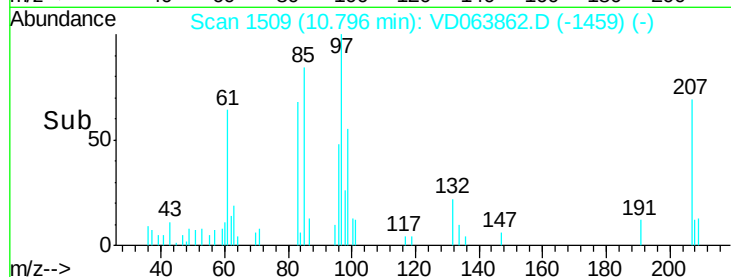
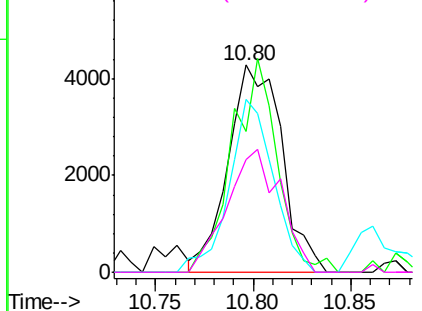


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 4.943 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Tgt Ion: 69 Resp: 10180

Ion Ratio Lower Upper

69 100

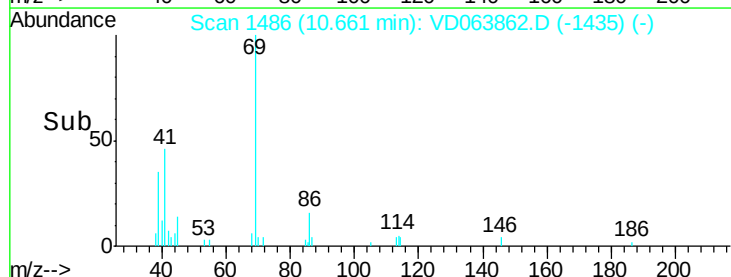
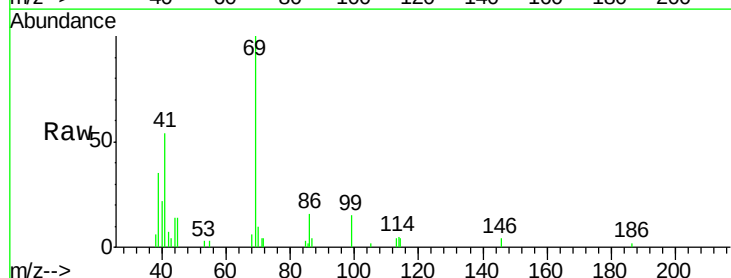
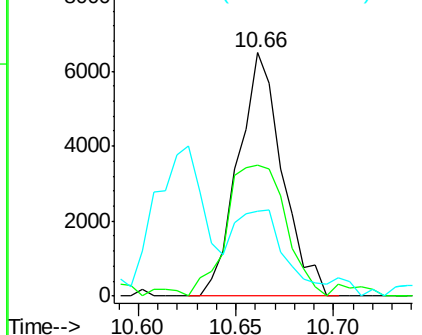
41 71.8 51.3 76.9

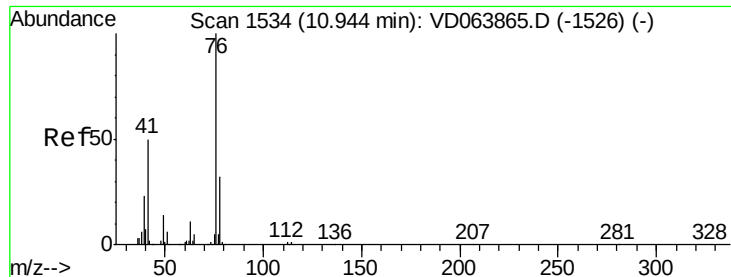
39 31.8 28.0 42.0

Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





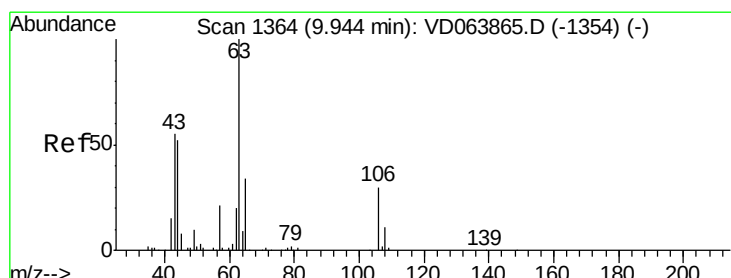
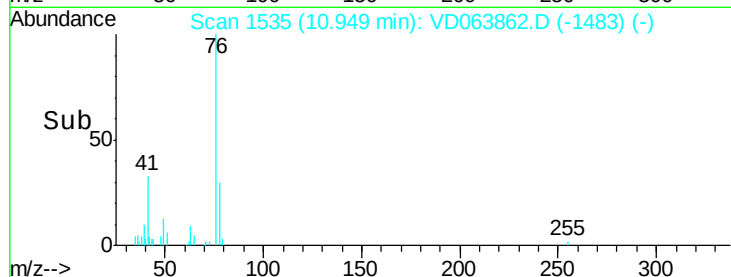
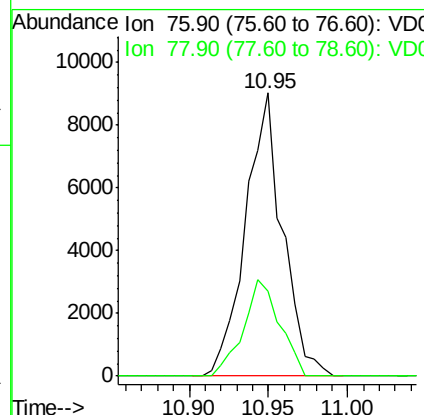
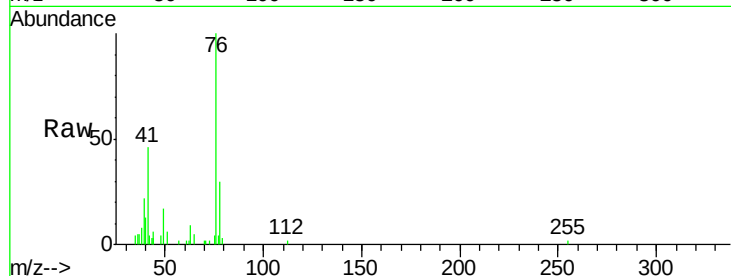
#57
 1,3-Dichloropropane
 Concen: 5.294 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.3	26.6	40.0

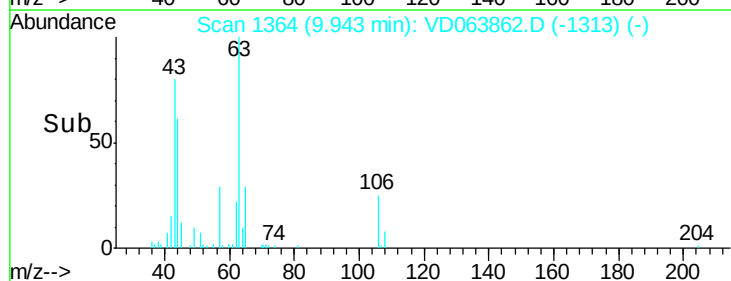
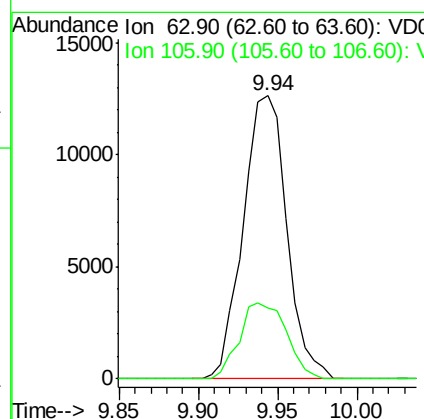
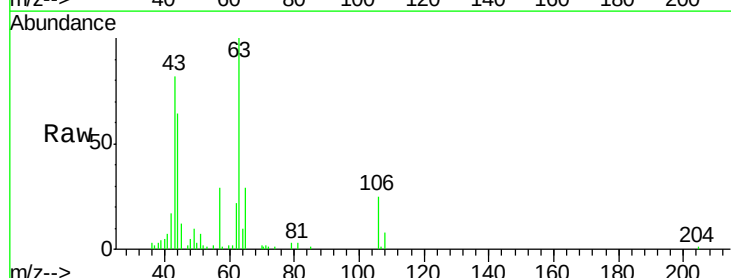
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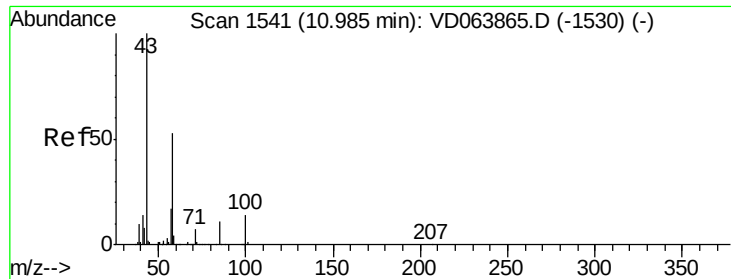
MMDadoda
 10/3/2019 12:54:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 26.235 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.0	24.3	36.5





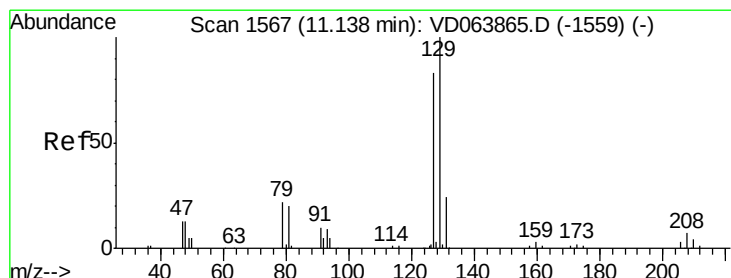
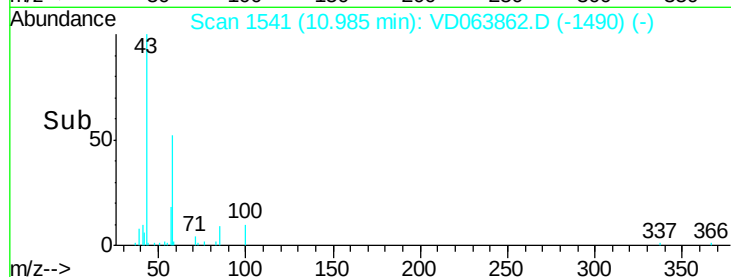
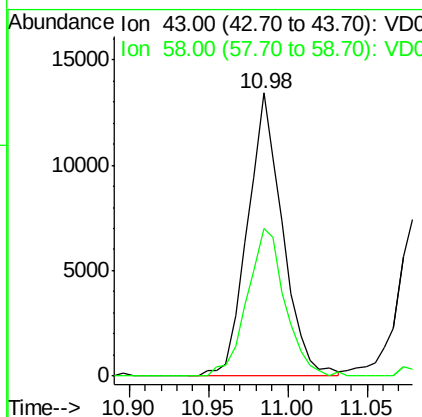
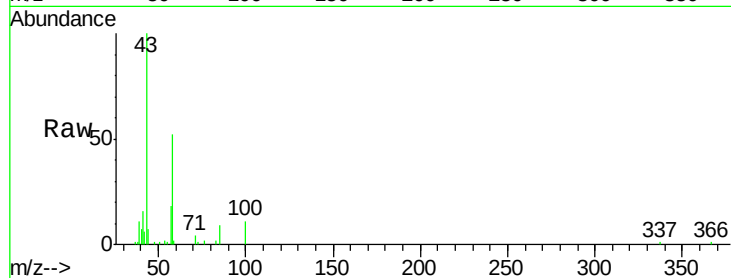
#59
2-Hexanone
Concen: 22.491 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 20608
Ion Ratio Lower Upper
43 100
58 56.5 27.7 83.0

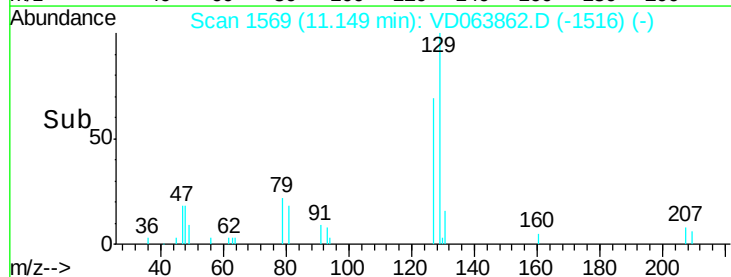
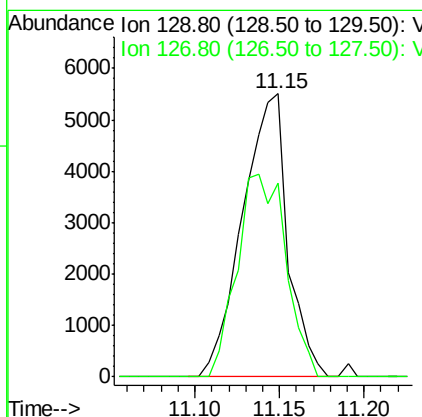
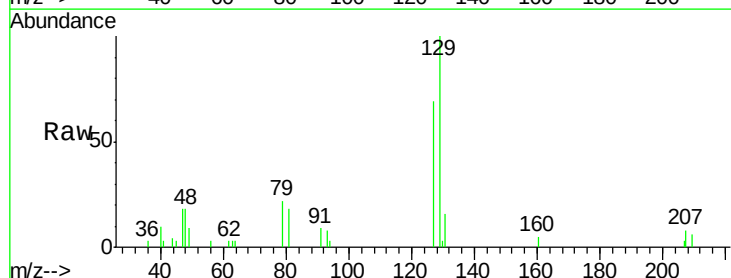
Manual Integrations
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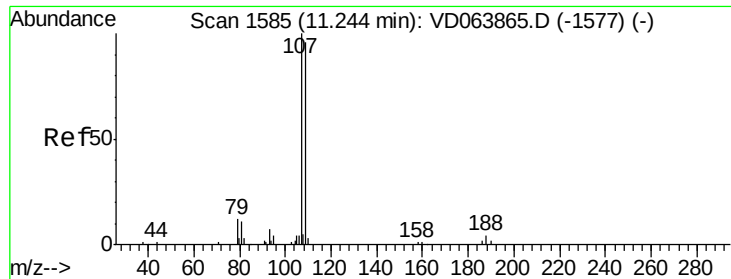
MMDadoda
10/3/2019 12:54:34 PM



#60
Dibromochloromethane
Concen: 4.794 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Tgt Ion: 129 Resp: 10229
Ion Ratio Lower Upper
129 100
127 77.4 39.9 119.6





#61

1,2-Dibromoethane

Concen: 4.520 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 7325

Ion Ratio Lower Upper

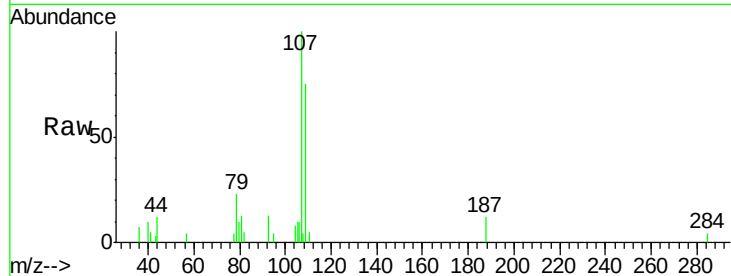
107 100

109 103.3 75.2 112.8

Manual Integrations
APPROVED

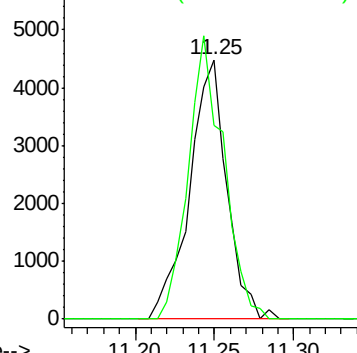
MMDadoda

10/3/2019 12:54:34 PM

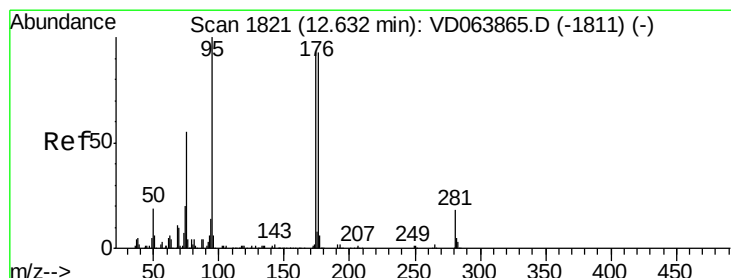
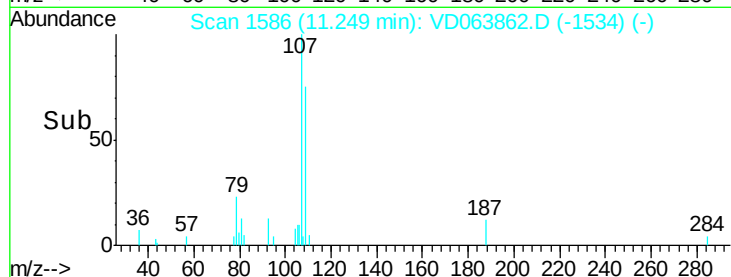


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#62

4-Bromofluorobenzene

Concen: 5.323 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

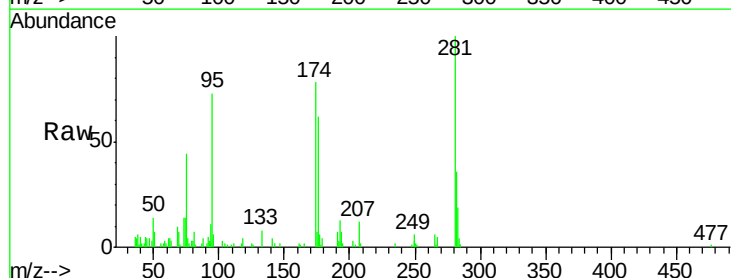
Tgt Ion: 95 Resp: 14944

Ion Ratio Lower Upper

95 100

174 99.6 0.0 186.4

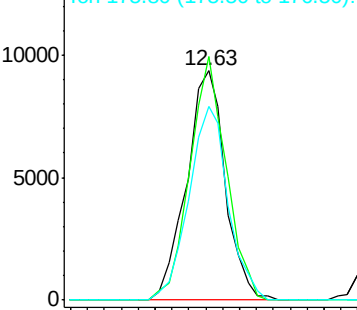
176 85.2 0.0 184.2



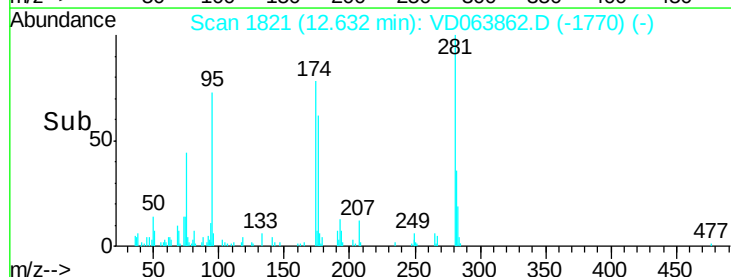
Abundance Ion 94.90 (94.60 to 95.60): V

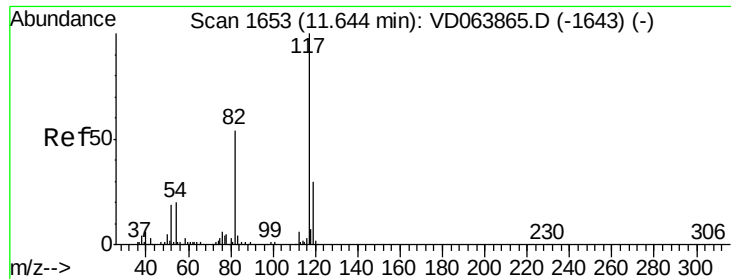
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





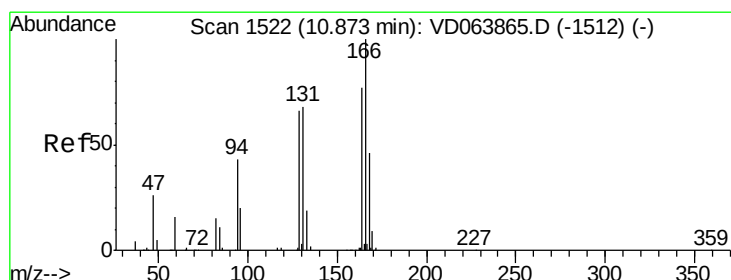
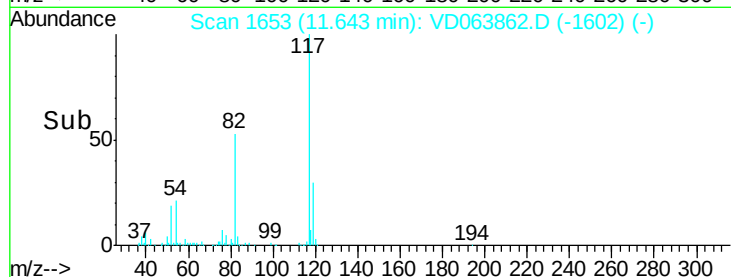
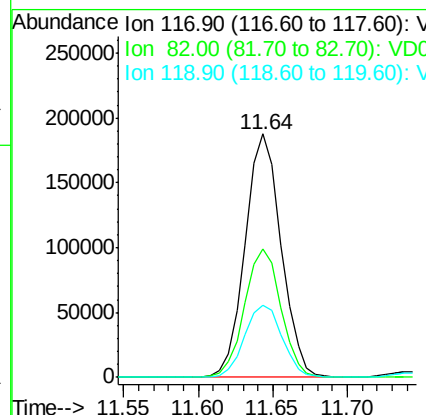
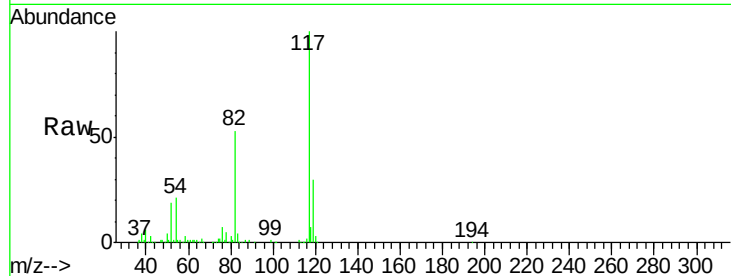
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.8	64.2
119	29.8	24.4	36.6

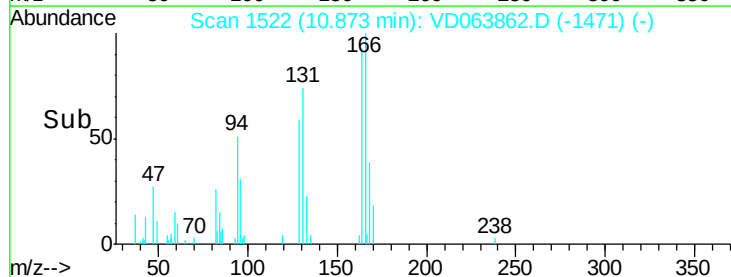
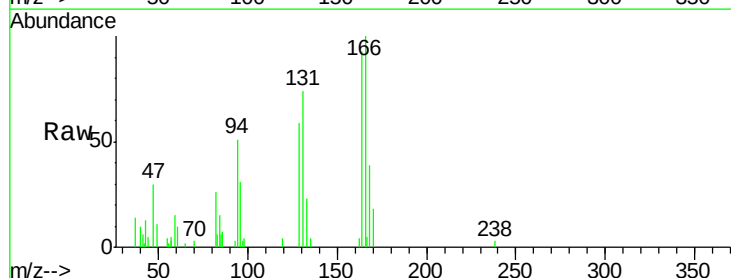
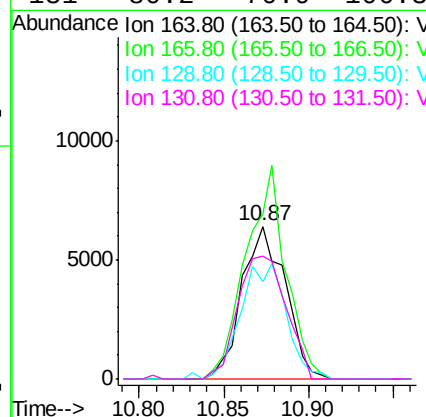
Manual Integrations
APPROVED

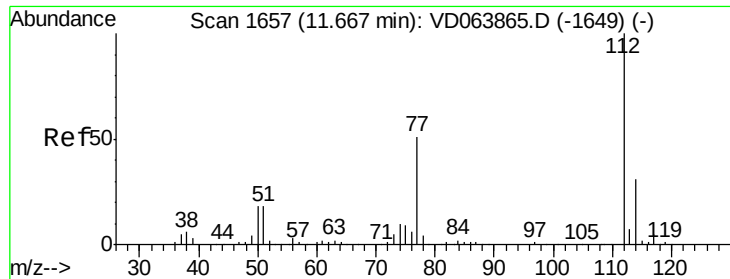
MMDadoda
10/3/2019 12:54:34 PM



#64
Tetrachloroethene
Concen: 5.472 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	107.9	103.8	155.6
129	63.7	68.9	103.3#
131	80.2	70.9	106.3





#65

Chlorobenzene

Concen: 5.025 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:112 Resp: 31526

Ion Ratio Lower Upper

112 100

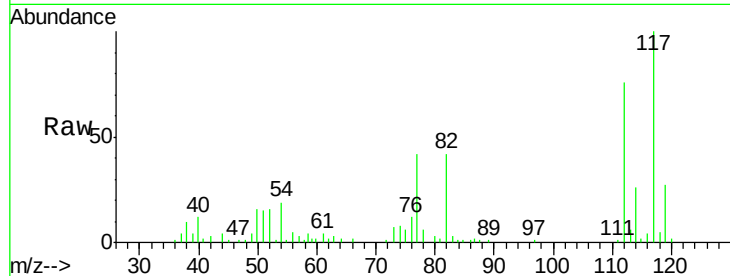
114 34.1 25.1 37.7

Manual Integrations

APPROVED

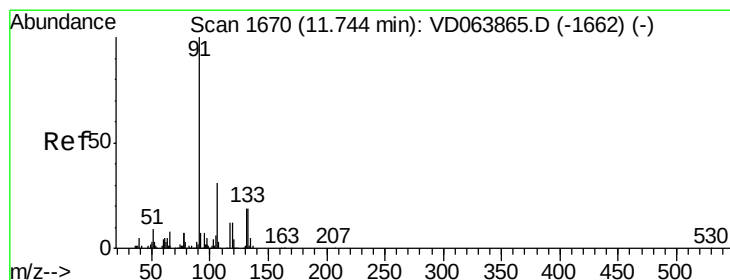
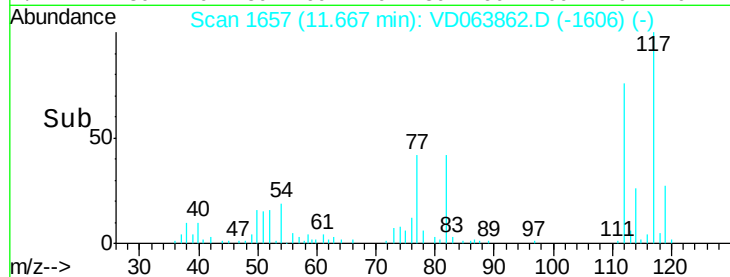
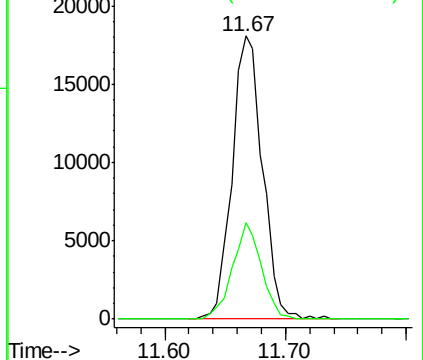
MMDadoda

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.976 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

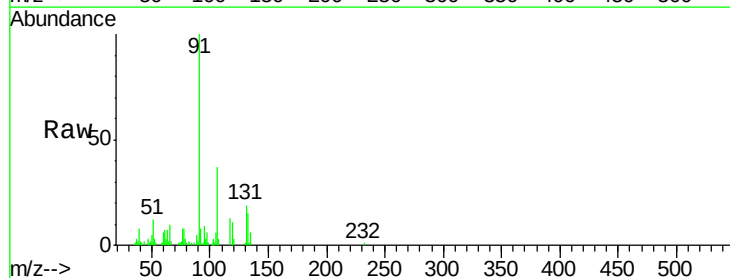
Tgt Ion:131 Resp: 11453

Ion Ratio Lower Upper

131 100

133 101.6 48.9 146.7

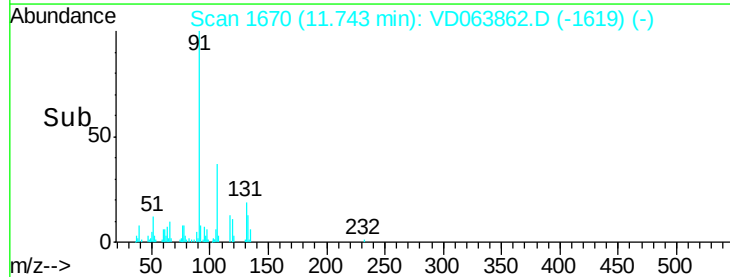
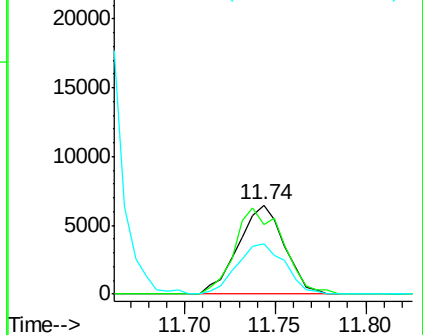
119 58.8 32.6 97.8

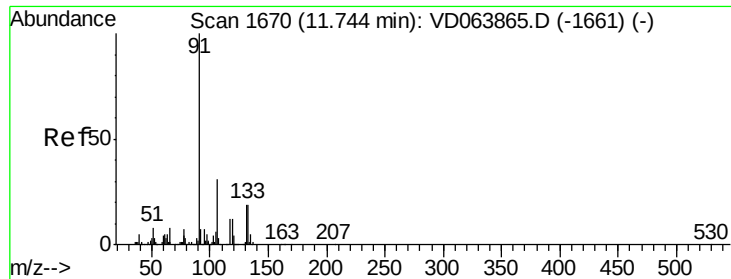


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 5.049 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 56931

Ion Ratio Lower Upper

91 100

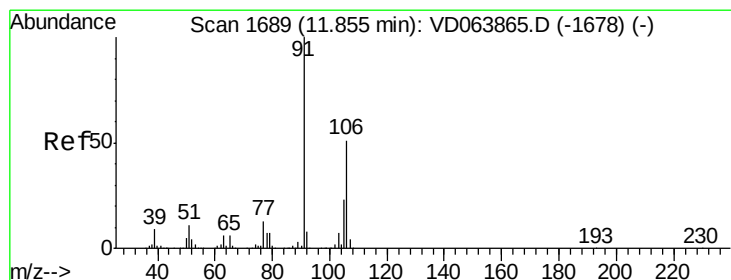
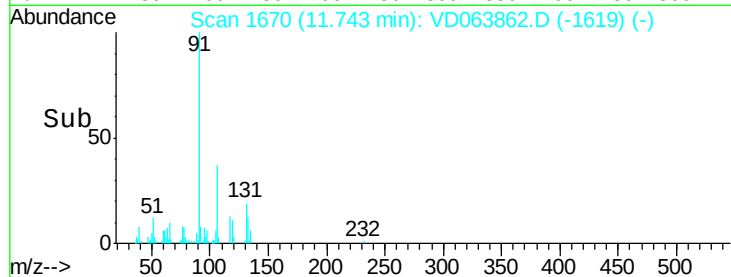
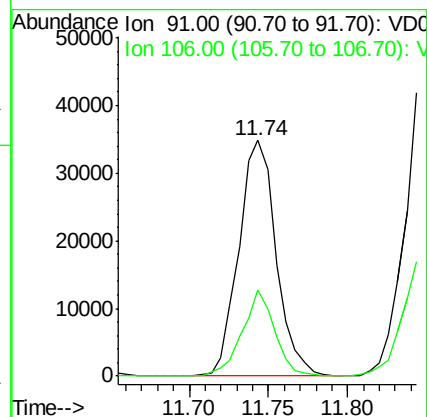
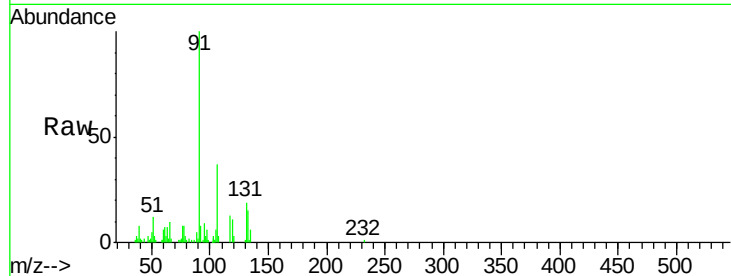
106 36.6 24.6 37.0

Manual Integrations

APPROVED

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#68

m/p-Xylenes

Concen: 10.221 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.01 min

Lab File: VD063862.D

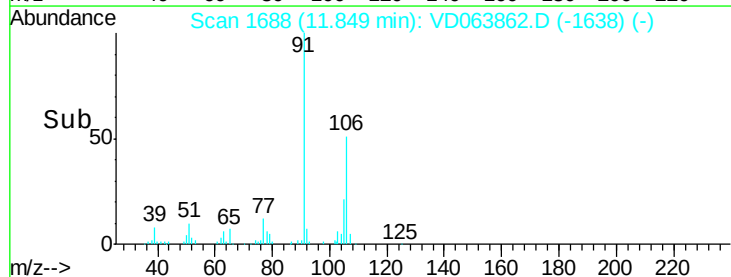
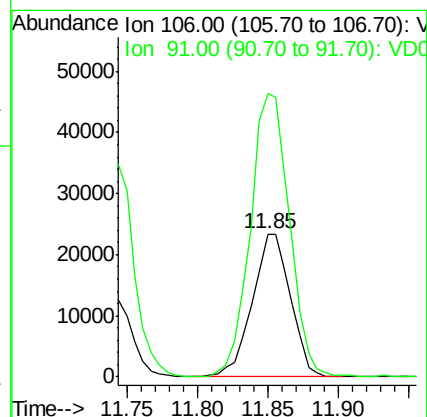
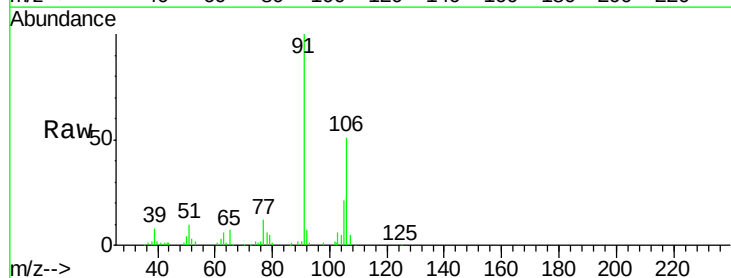
Acq: 02 Oct 2019 15:54

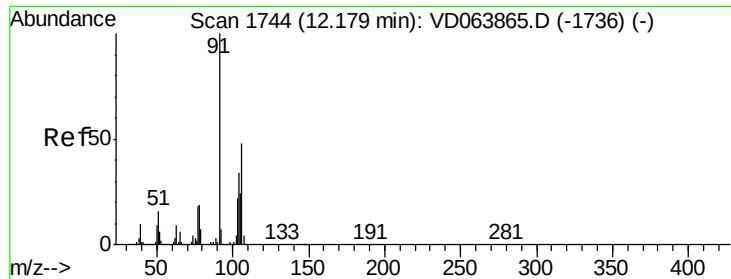
Tgt Ion: 106 Resp: 44476

Ion Ratio Lower Upper

106 100

91 202.4 154.8 232.2





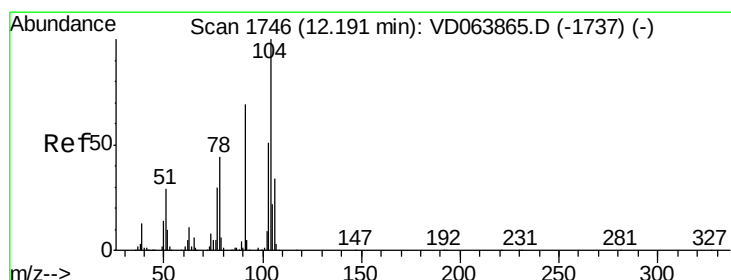
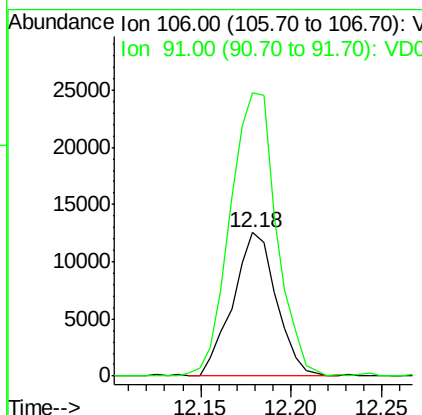
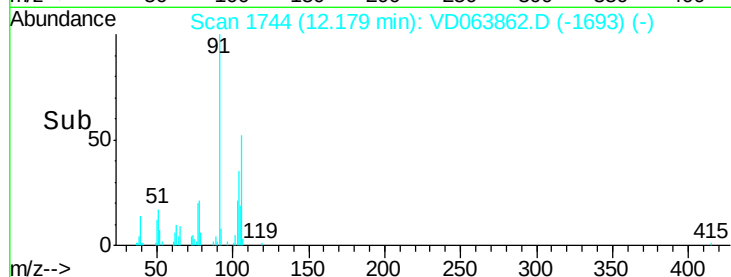
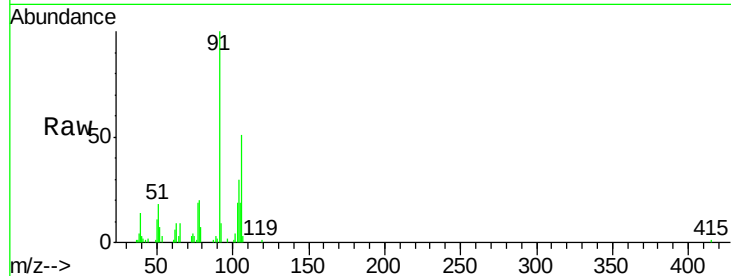
#69
o-Xylene
Concen: 5.105 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 20907
Ion Ratio Lower Upper
106 100
91 210.6 103.9 311.7

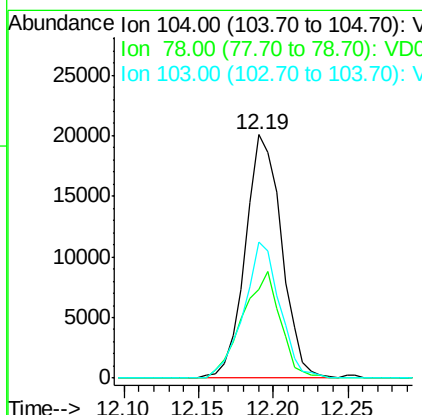
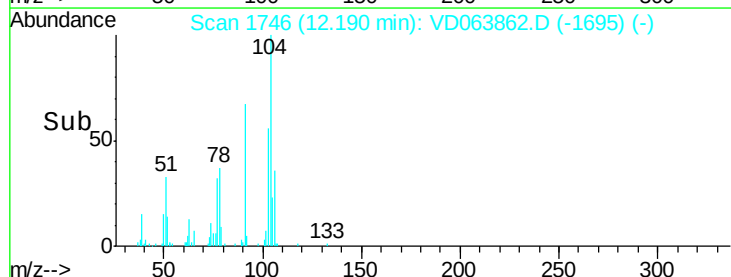
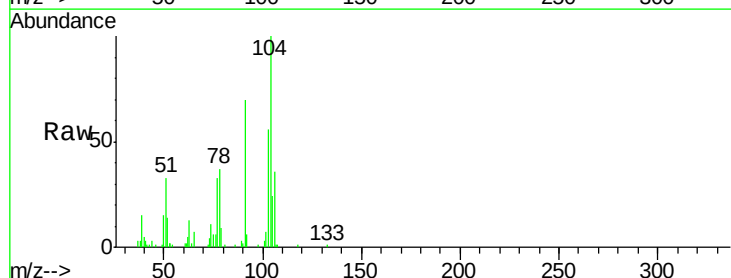
Manual Integrations
APPROVED

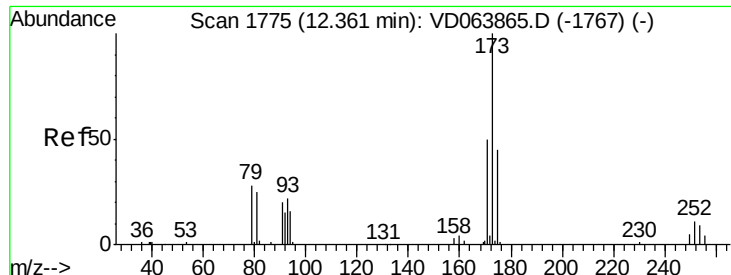
MMDadoda
10/3/2019 12:54:34 PM



#70
Styrene
Concen: 4.849 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Tgt Ion:104 Resp: 33730
Ion Ratio Lower Upper
104 100
78 46.0 37.0 55.4
103 55.6 44.2 66.4





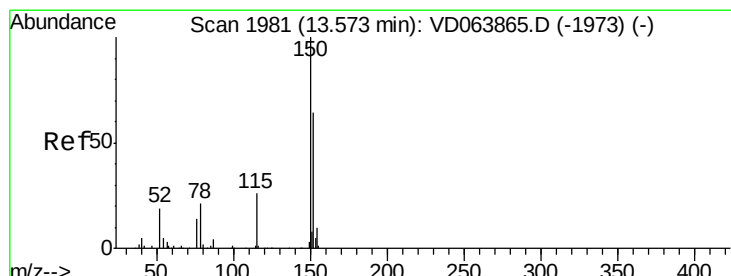
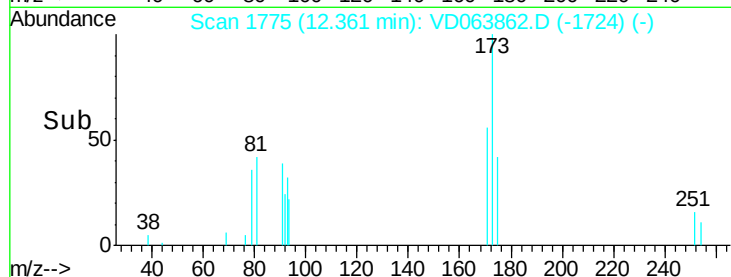
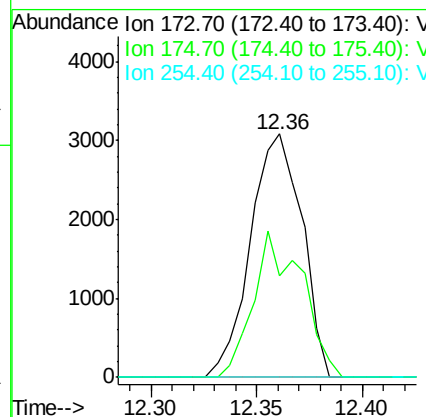
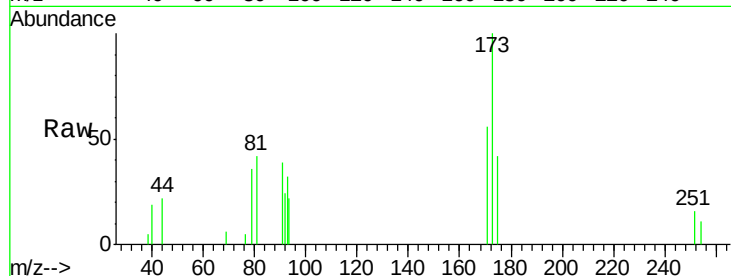
#71
Bromoform
Concen: 4.110 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	56.7	24.6	74.0
254	0.0	0.0	0.0

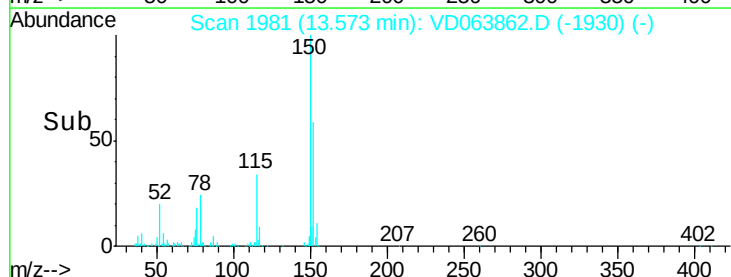
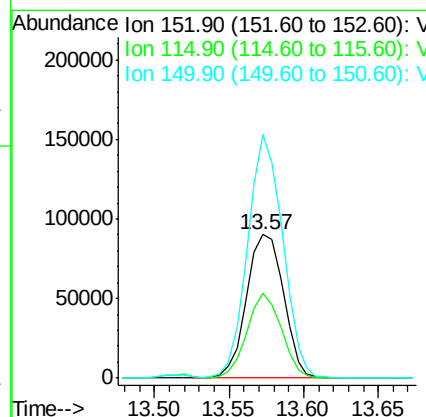
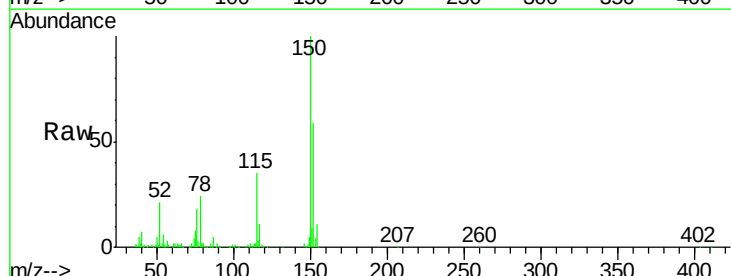
Manual Integrations
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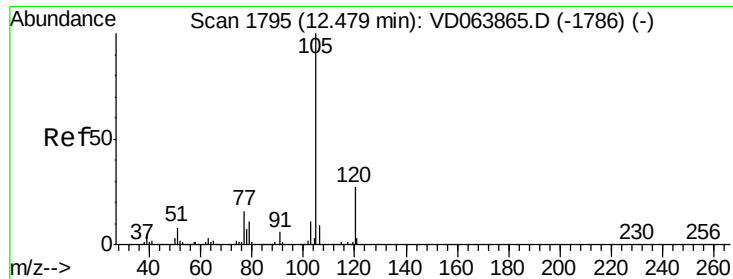
MMDadoda
10/3/2019 12:54:34 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	25.9	77.7
150	160.4	0.0	344.2





#73

Isopropylbenzene

Concen: 5.159 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 54173

Ion Ratio Lower Upper

105 100

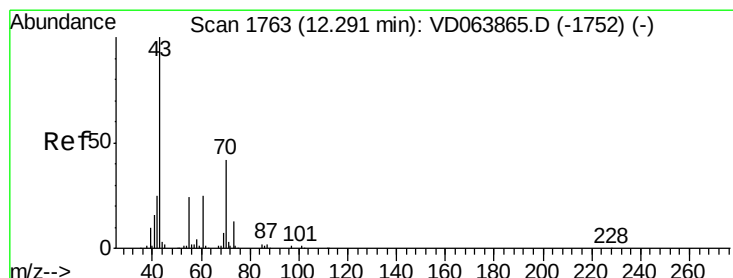
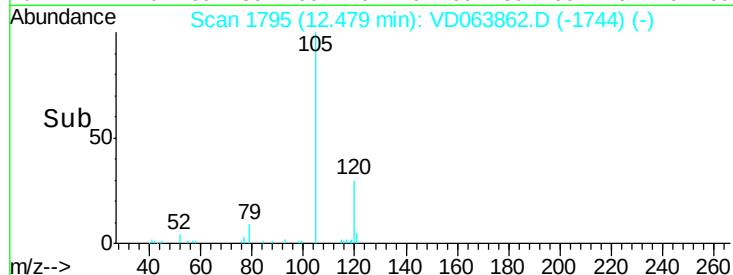
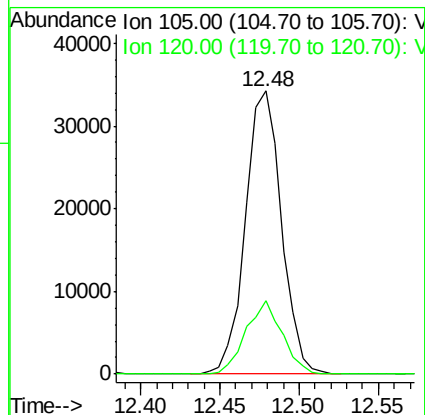
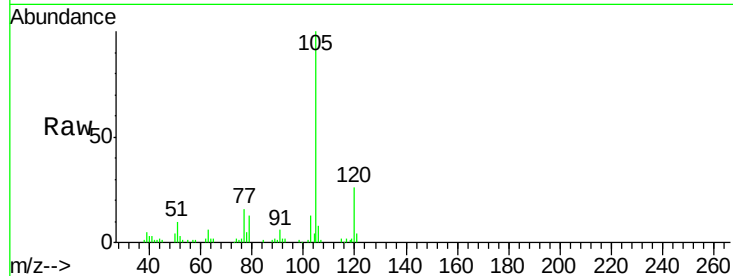
120 25.9 13.3 39.8

Manual Integrations

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10/3/2019 12:54:34 PM



#74

N-ethyl acetate

Concen: 4.661 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Tgt Ion: 43 Resp: 10748

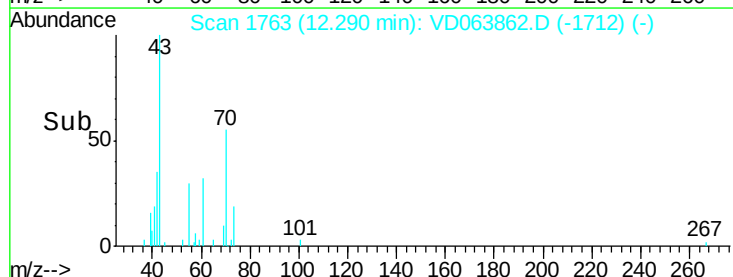
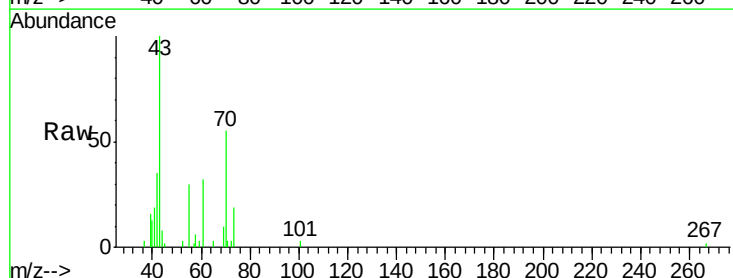
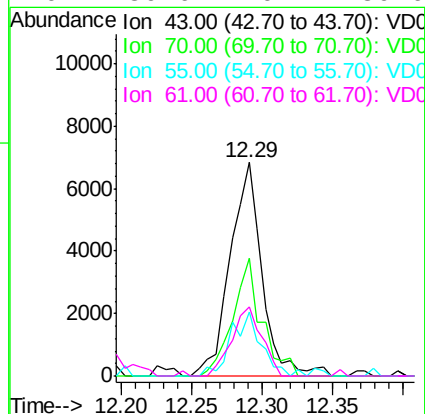
Ion Ratio Lower Upper

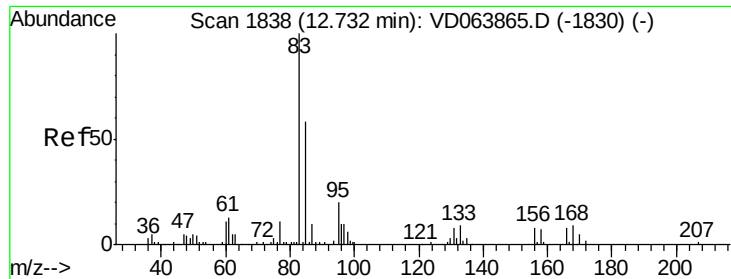
43 100

70 49.9 35.8 53.6

55 27.9 19.4 29.0

61 30.6 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.661 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

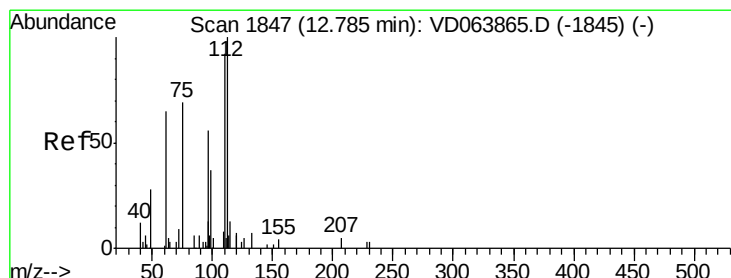
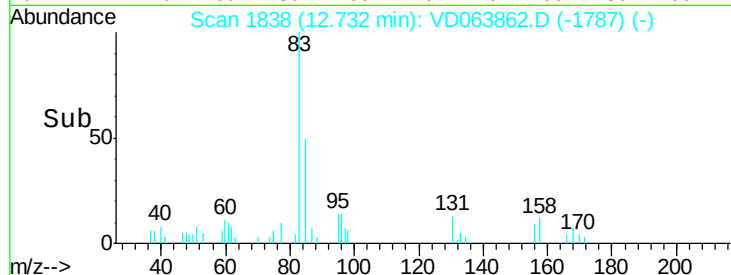
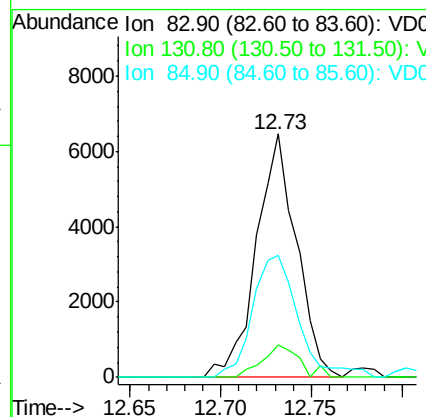
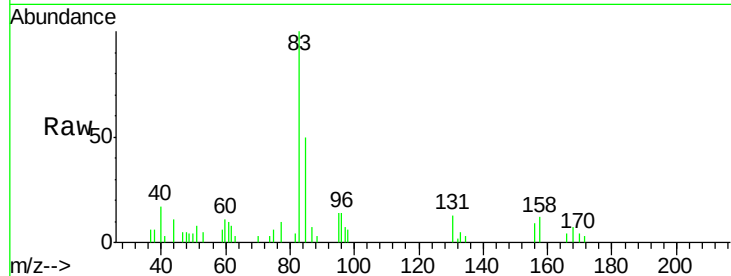
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	9949
Ion	Ratio	Lower	Upper
83	100		
131	12.3	5.6	16.8
85	57.0	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.204 ug/l m

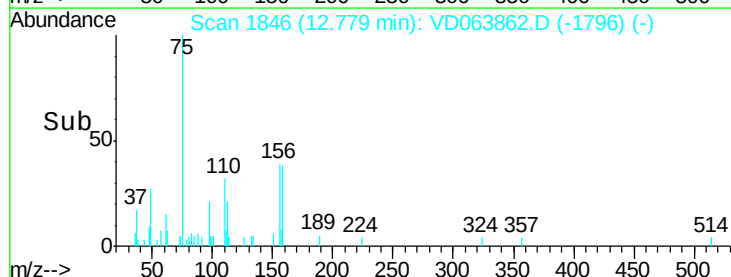
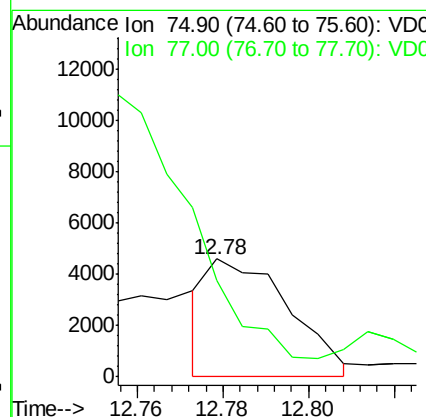
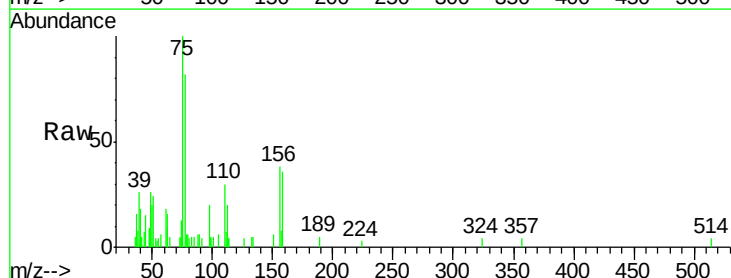
RT: 12.78 min Scan# 1846

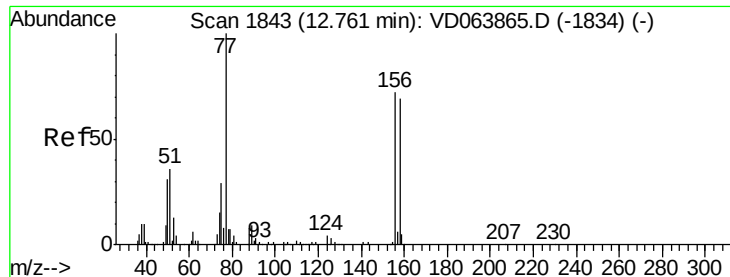
Delta R.T. -0.01 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Tgt Ion:	75	Resp:	6093
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.087 ug/l

RT: 12.76 min Scan# 1842

Delta R.T. -0.01 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

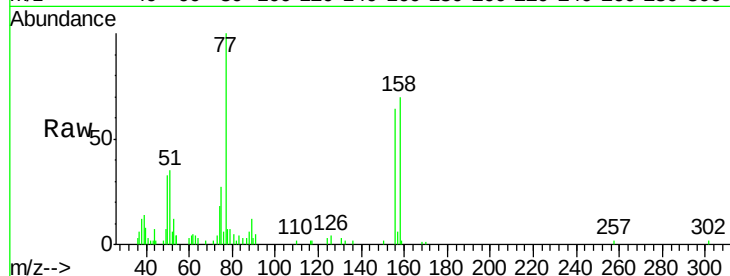
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	12907
Ion	Ratio	Lower	Upper
156	100		
77	157.9	80.3	241.0
158	96.0	47.4	142.2

Manual Integrations
APPROVED

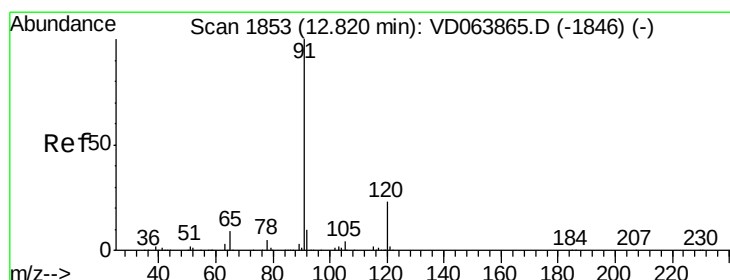
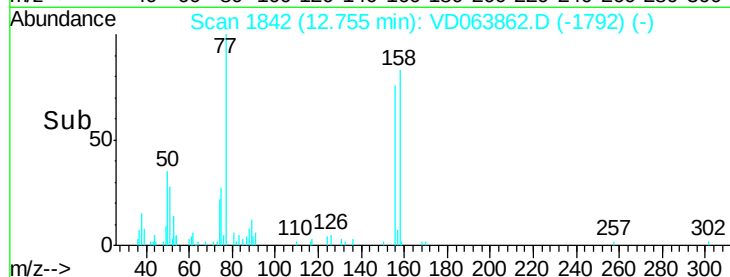
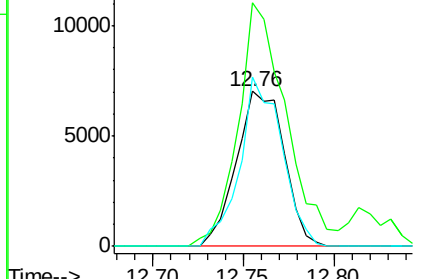
MMDadoda
10/3/2019 12:54:34 PM



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: 5.192 ug/l

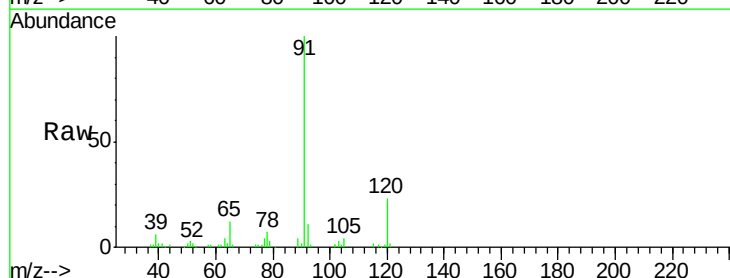
RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063862.D

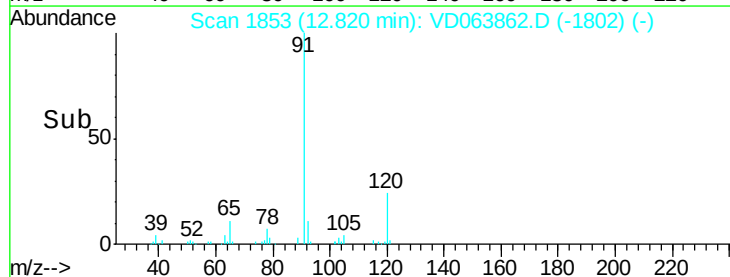
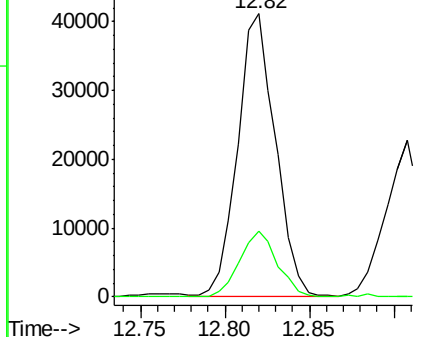
Acq: 02 Oct 2019 15:54

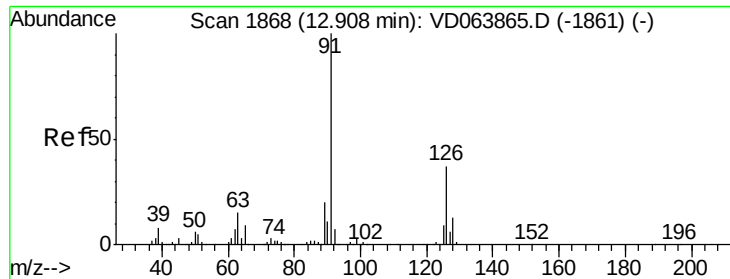
Tgt Ion:	91	Resp:	64200
Ion	Ratio	Lower	Upper
91	100		
120	23.0	12.0	36.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





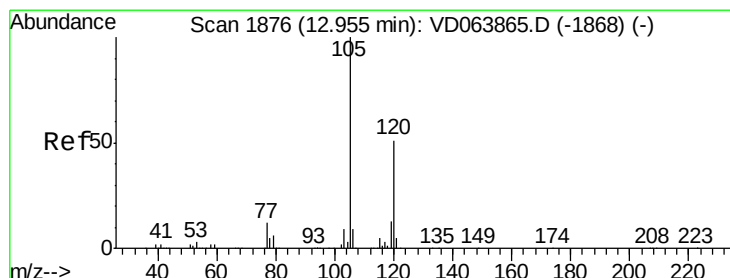
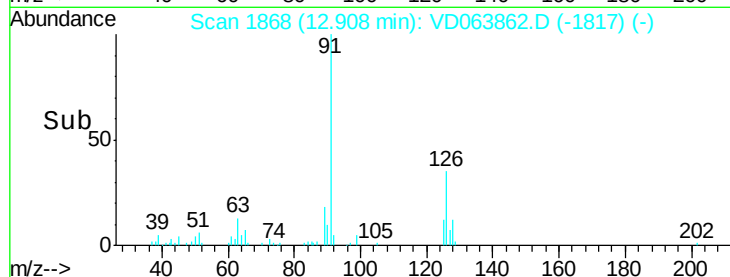
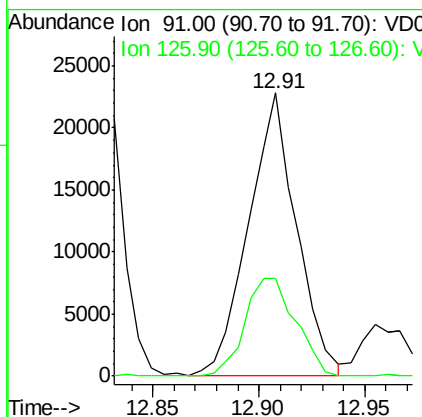
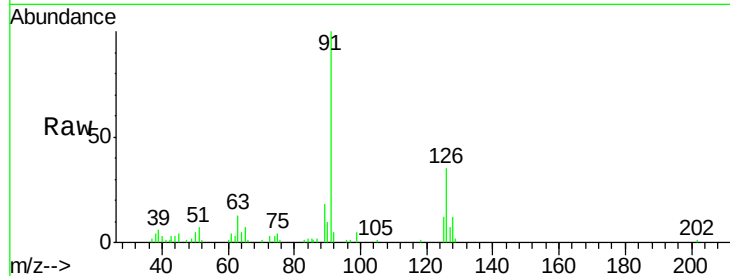
#79
 2-Chlorotoluene
 Concen: 5.419 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
126	36.5	18.4	55.2

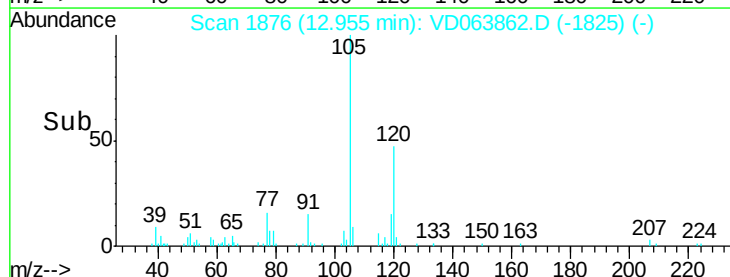
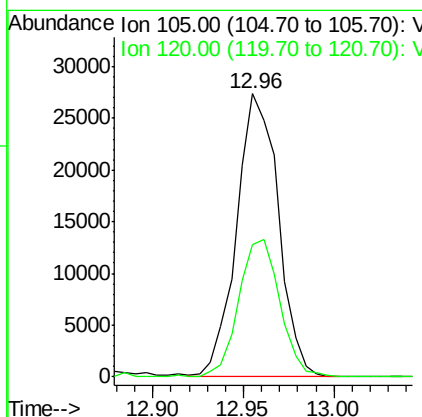
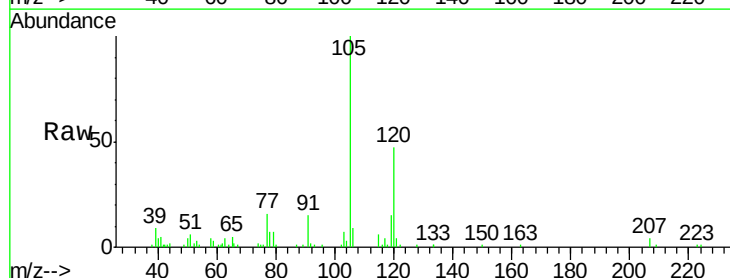
Manual Integrations
 APPROVED

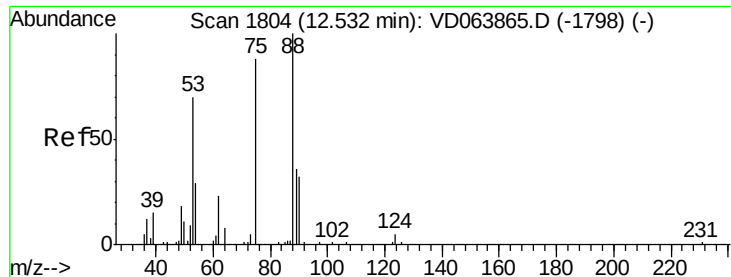
MMDadoda
 10/3/2019 12:54:34 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 5.019 ug/l
 RT: 12.96 min Scan# 1876
 Delta R.T. -0.00 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.1	25.9	77.8





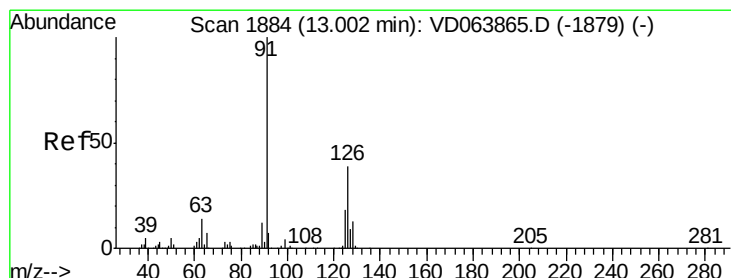
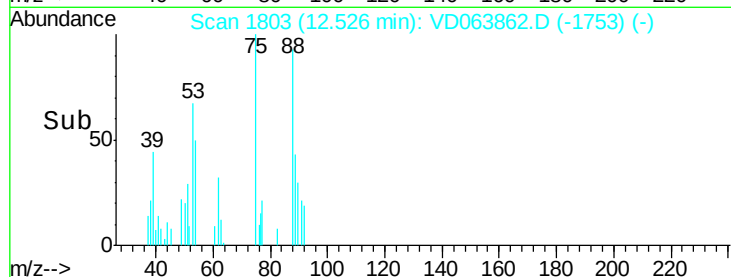
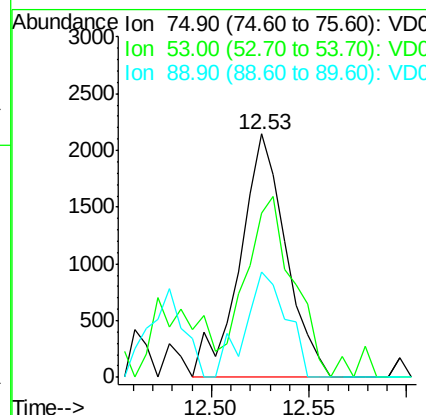
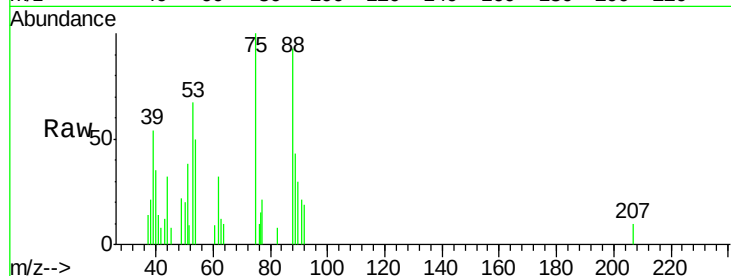
#81
trans-1,4-Dichloro-2-butene
Concen: 5.969 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	76.8	75.0	112.6
89	39.2	38.2	57.4

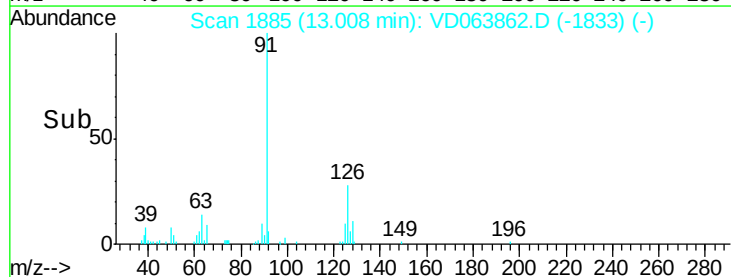
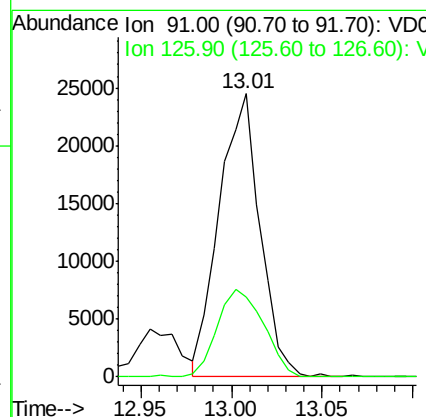
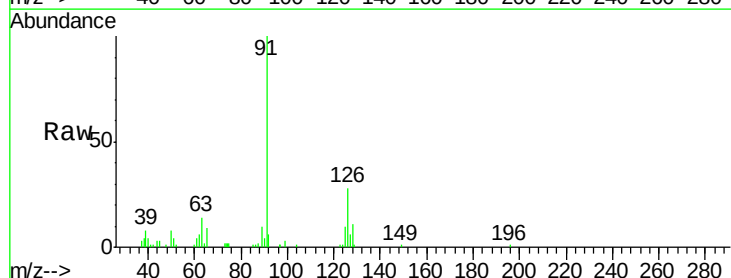
Manual Integrations
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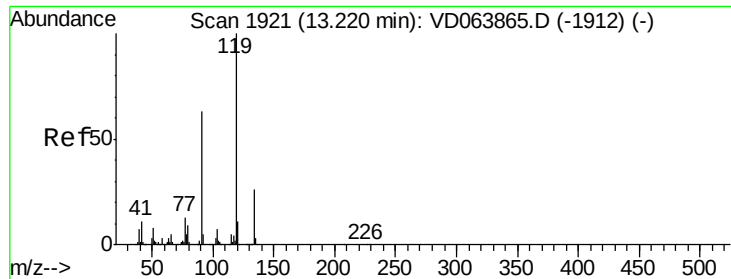
MMDadoda
10/3/2019 12:54:34 PM



#82
4-Chlorotoluene
Concen: 5.369 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	18.6	55.8





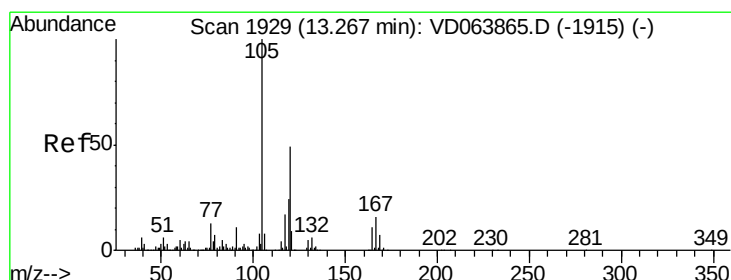
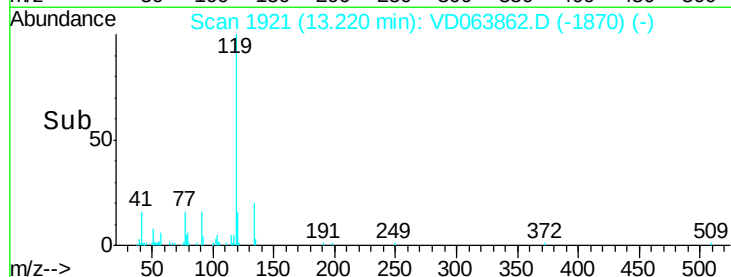
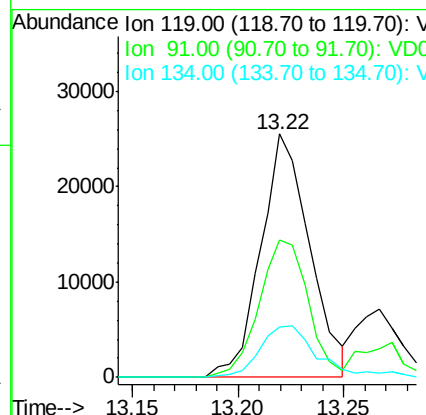
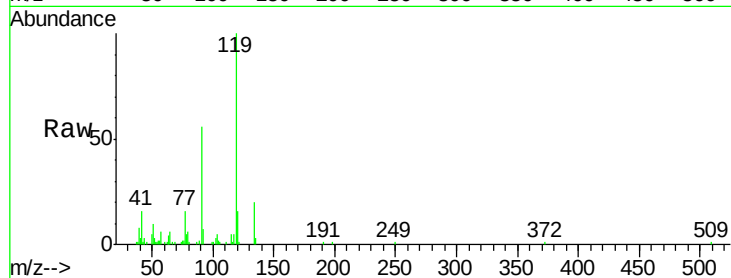
#83
 tert-Butylbenzene
 Concen: 5.360 ug/l
 RT: 13.22 min Scan# 1921
 Delta R.T. -0.00 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	56.5	30.0	90.0
134	25.3	13.0	38.9

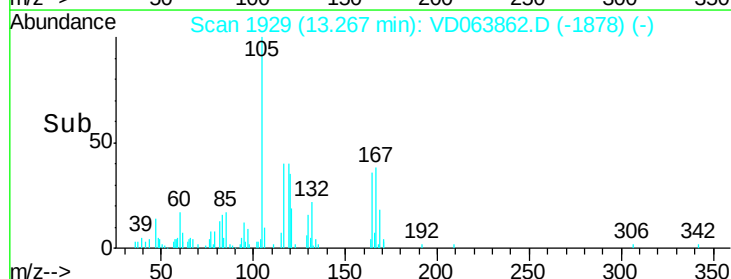
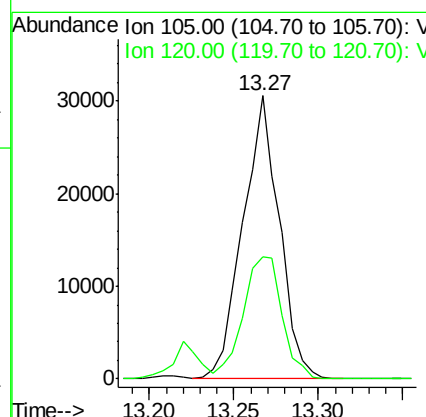
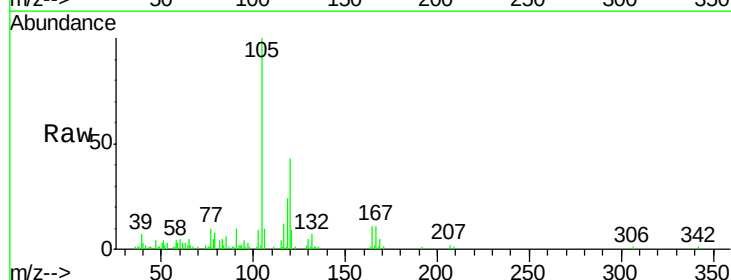
Manual Integrations
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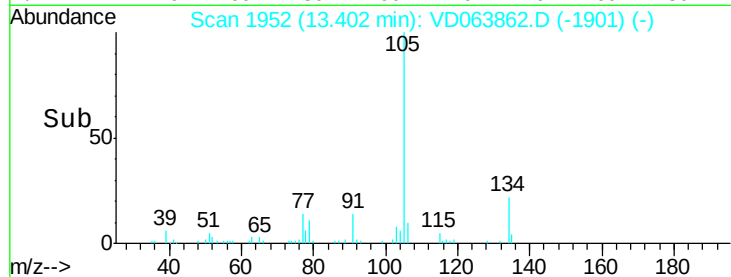
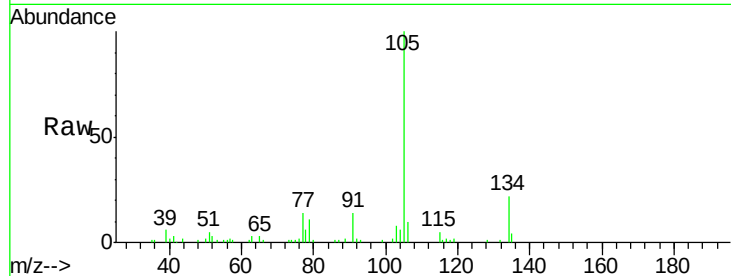
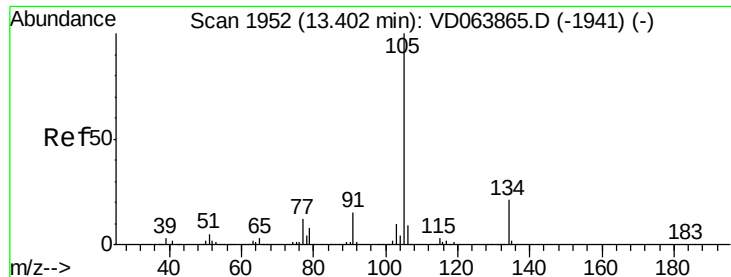
MMDadoda
 10/3/2019 12:54:34 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 5.161 ug/l
 RT: 13.27 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.8	71.5





#85

sec-Butylbenzene

Concen: 5.124 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Tot Ion:105 Resp: 54500

Ion Ratio Lower Upper

105 100

134 21.1 10.6 31.8

Instrument :

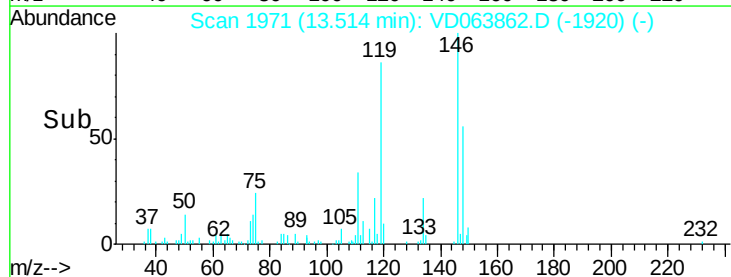
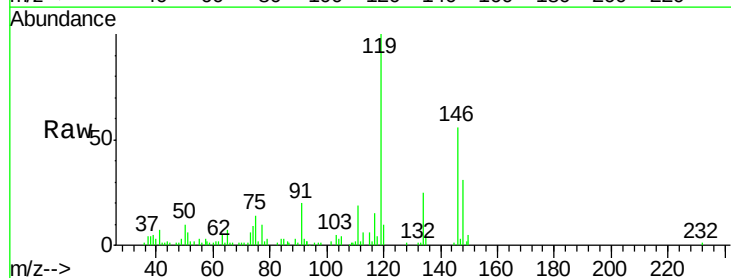
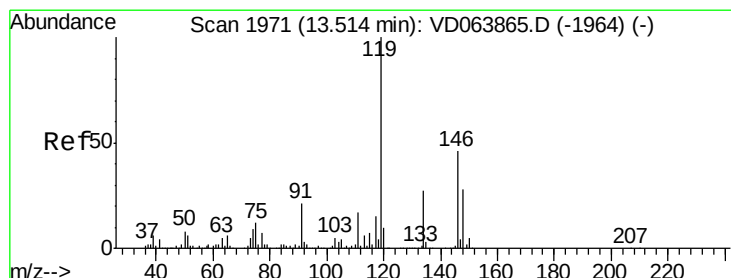
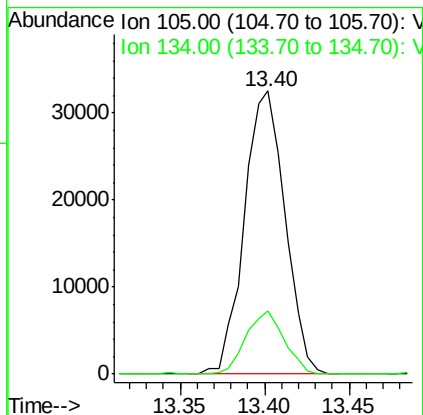
MSVOA_D

ClientSampleId :

VSTDIC005

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 4.923 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

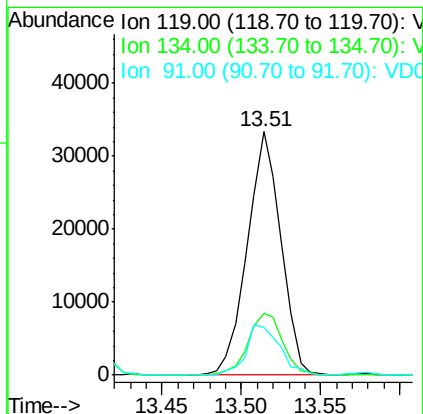
Tgt Ion:119 Resp: 49050

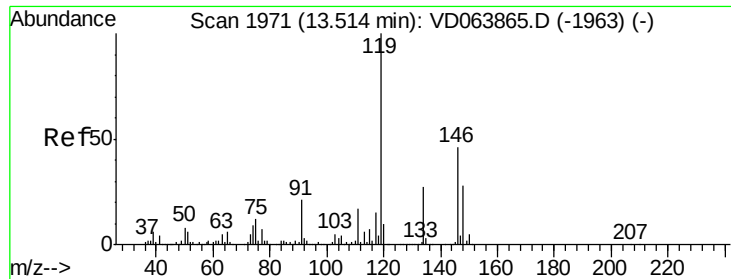
Ion Ratio Lower Upper

119 100

134 26.1 13.9 41.6

91 20.6 11.2 33.5





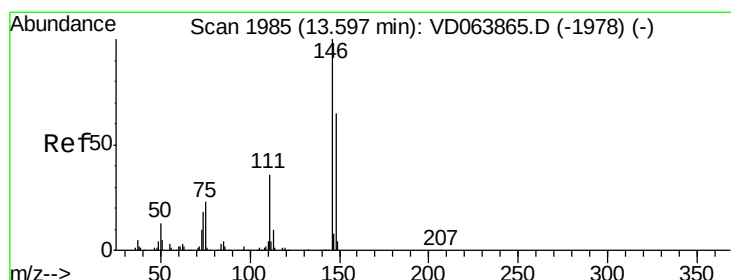
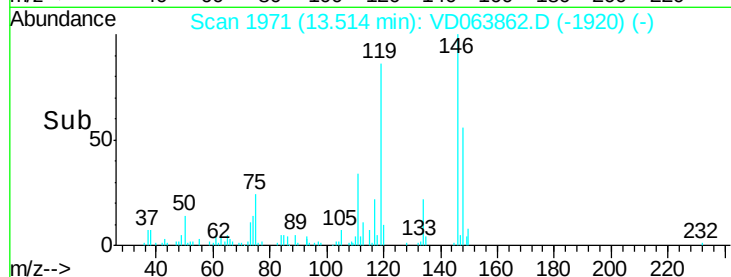
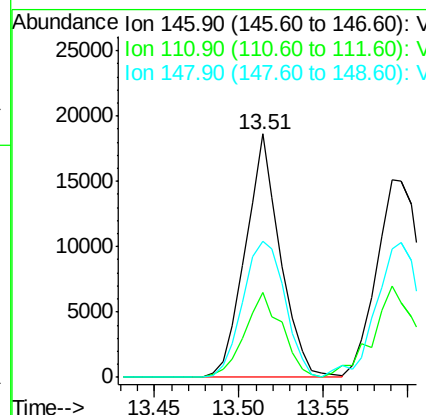
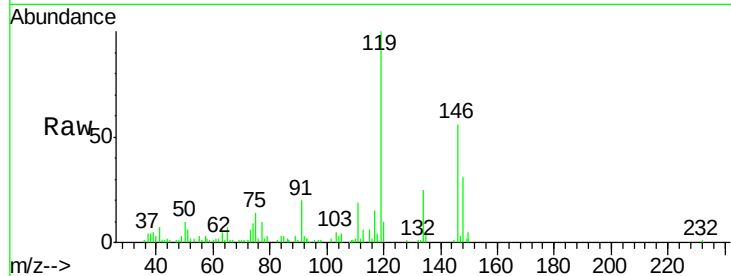
#87
 1,3-Dichlorobenzene
 Concen: 5.405 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.3	54.9
148	66.9	31.8	95.4

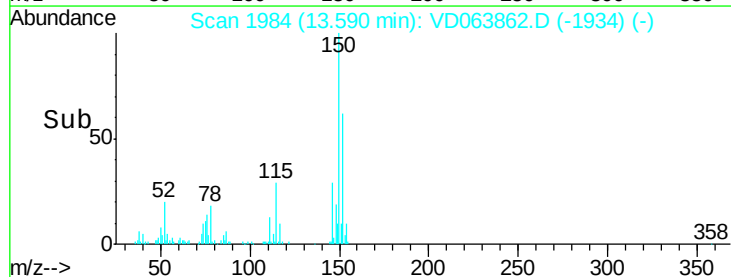
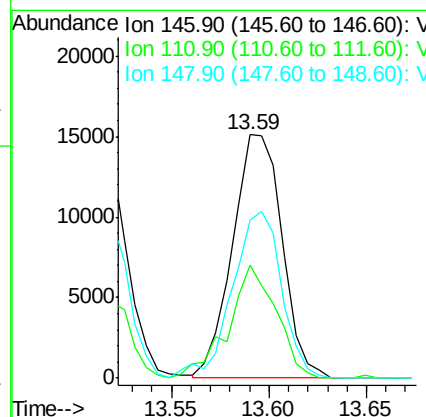
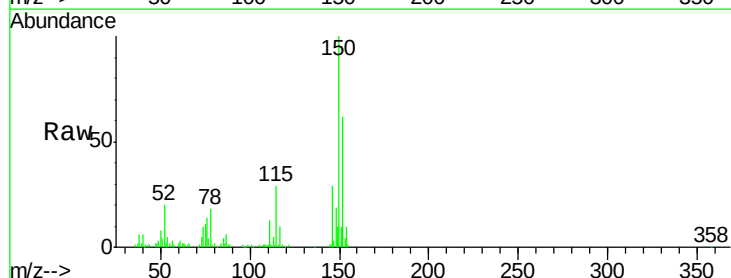
Manual Integrations
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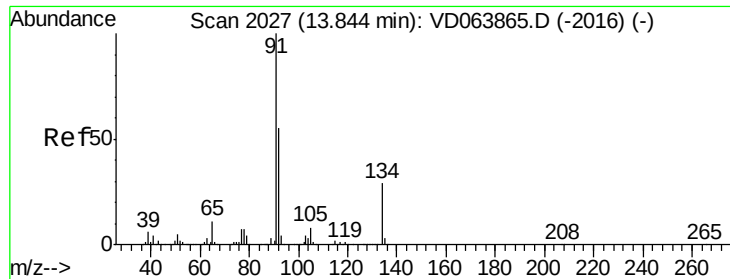
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#88
 1,4-Dichlorobenzene
 Concen: 5.374 ug/l
 RT: 13.59 min Scan# 1984
 Delta R.T. -0.01 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	18.6	56.0
148	67.7	32.6	98.0





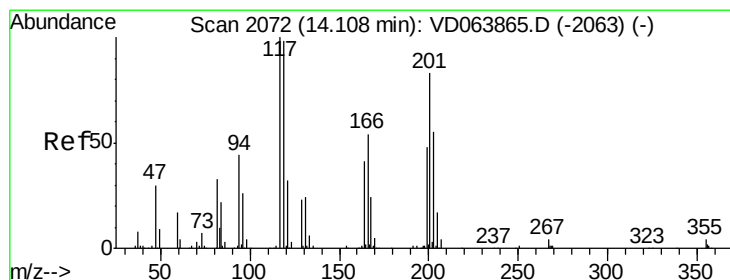
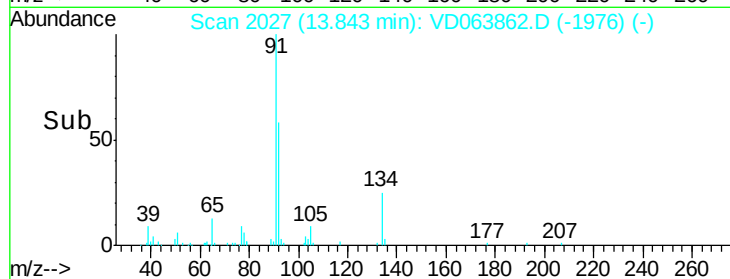
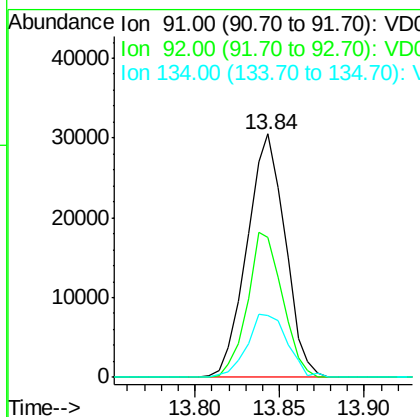
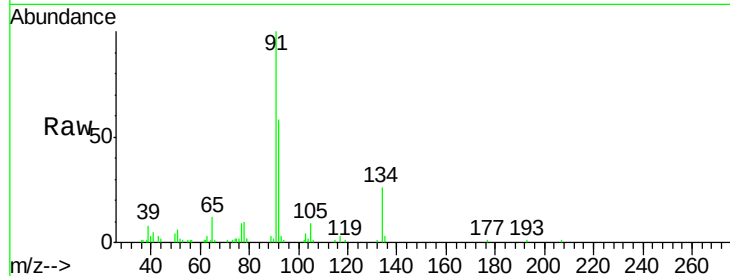
#89
n-Butylbenzene
Concen: 5.078 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.7	26.8	80.3
134	27.5	14.4	43.0

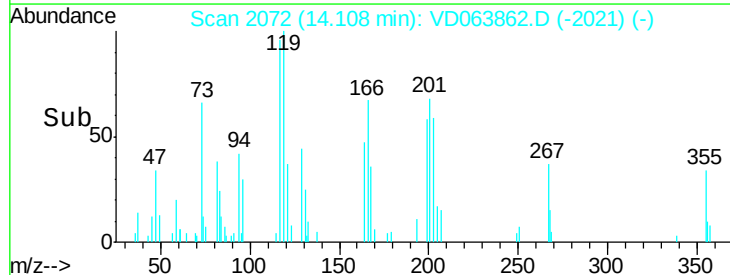
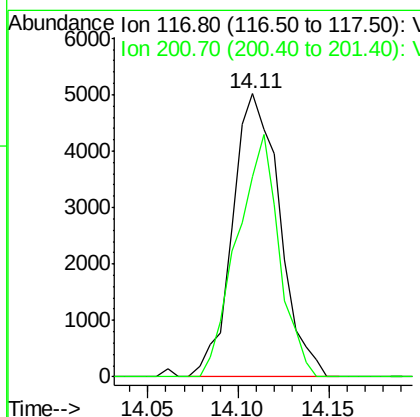
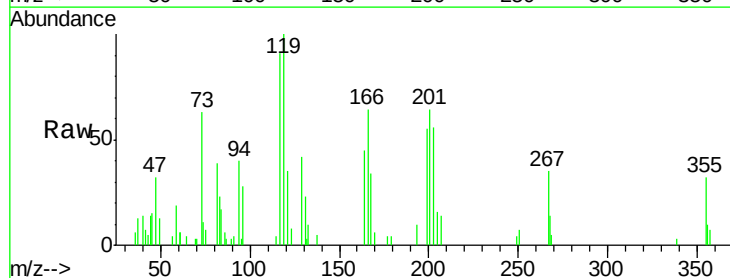
Manual Integrations
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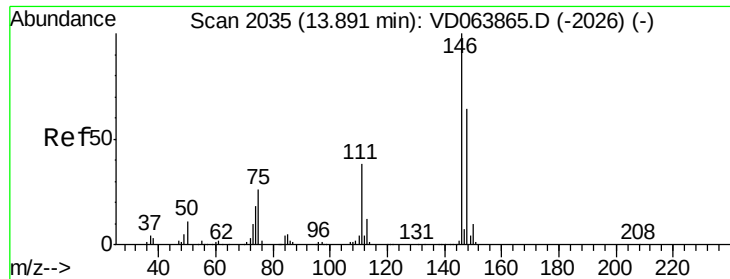
MMDadoda
10/3/2019 12:54:34 PM



#90
Hexachloroethane
Concen: 4.931 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063862.D
Acq: 02 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.1	40.6	121.7





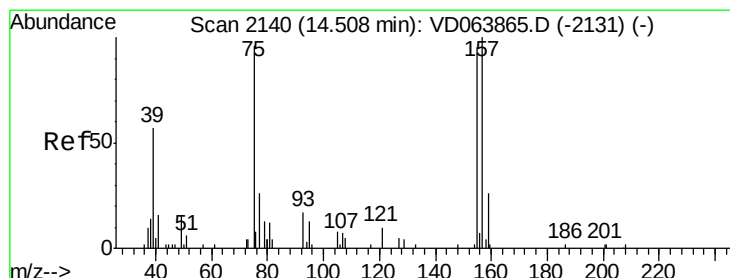
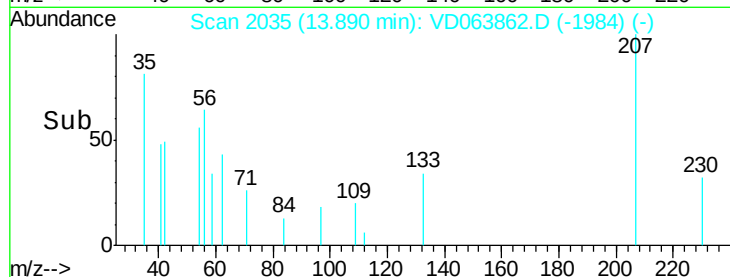
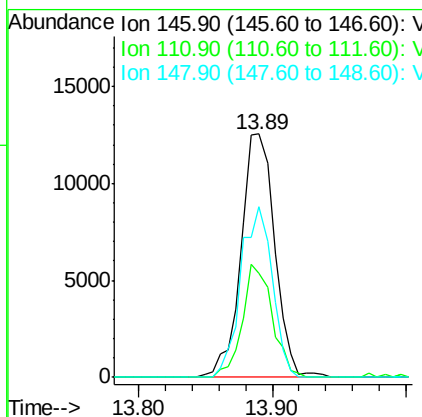
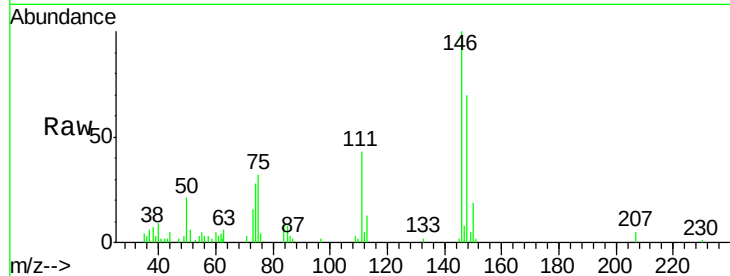
#91
 1,2-Dichlorobenzene
 Concen: 5.115 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	18.6	55.6
148	65.1	31.6	95.0

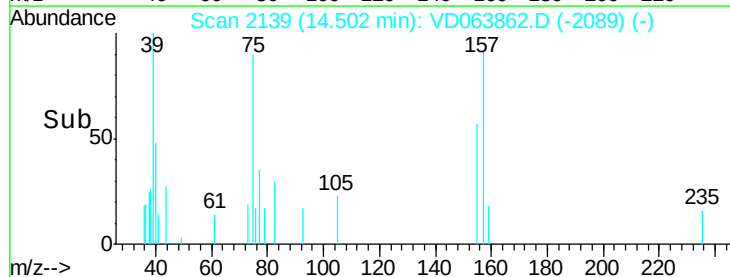
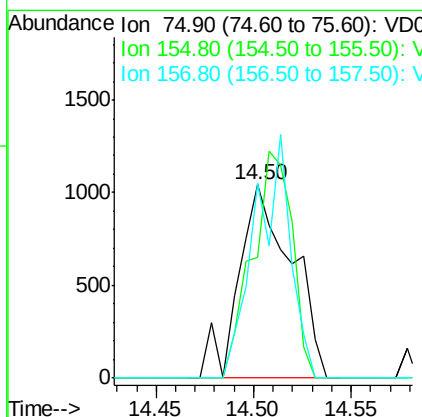
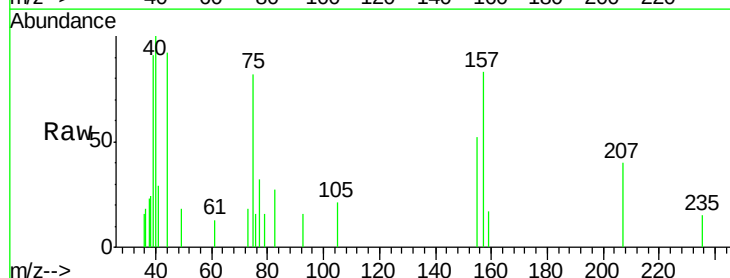
Manual Integrations
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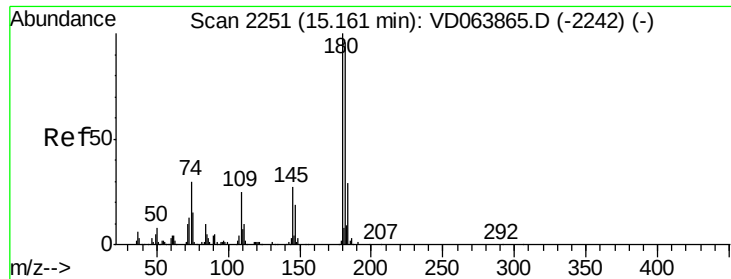
MMDadoda
 10/3/2019 12:54:34 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 6.460 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.5	43.9	131.6
157	83.9	56.0	167.9





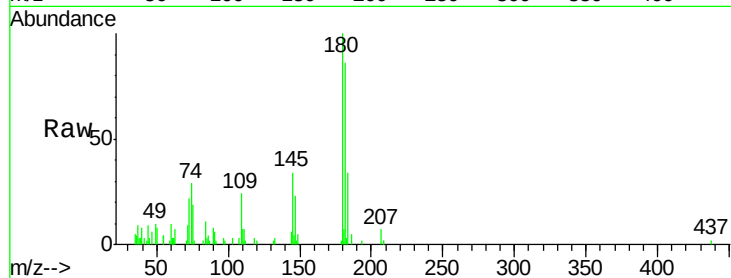
#93
 1,2,4-Trichlorobenzene
 Concen: 5.462 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

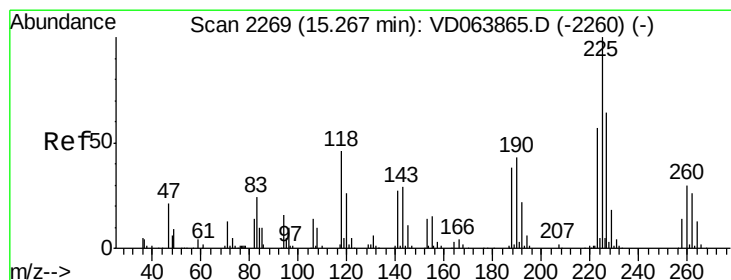
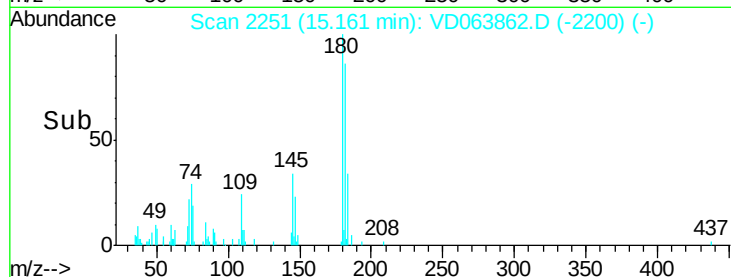
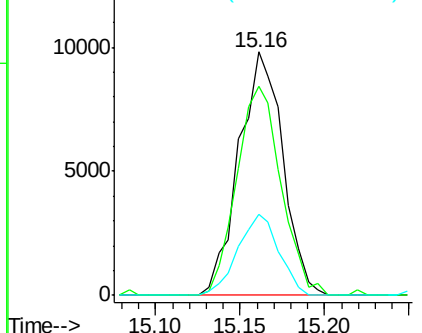
Tot Ion	Ratio	Resp	Lower	Upper
180	100	17718		
182	86.6	47.4	142.3	
145	31.1	13.9	41.7	

Manual Integrations
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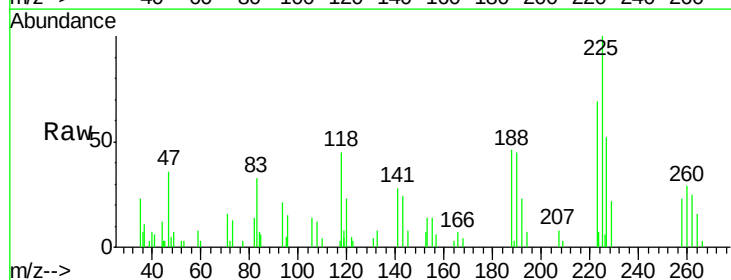


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

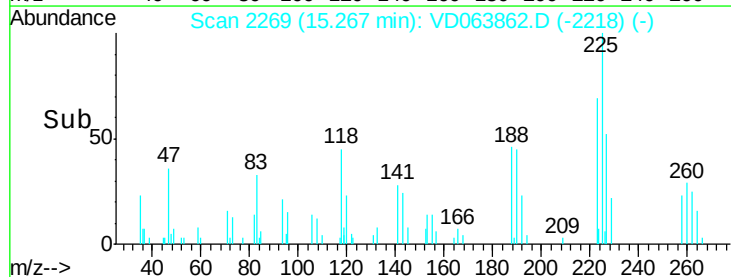
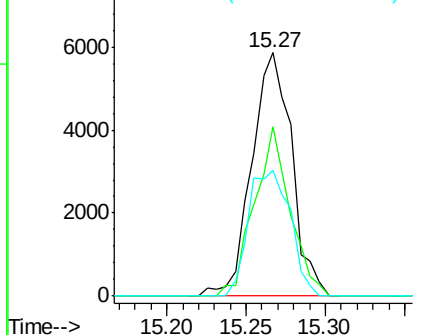


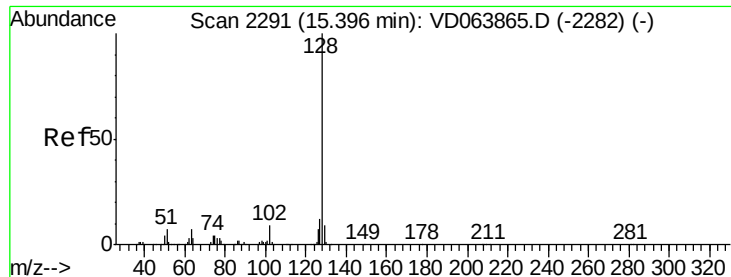
#94
 Hexachlorobutadiene
 Concen: 5.615 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063862.D
 Acq: 02 Oct 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	10306		
223	62.3	29.5	88.6	
227	54.0	30.8	92.4	



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





#95

Naphthalene

Concen: 4.657 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Instrument :

MSVOA_D

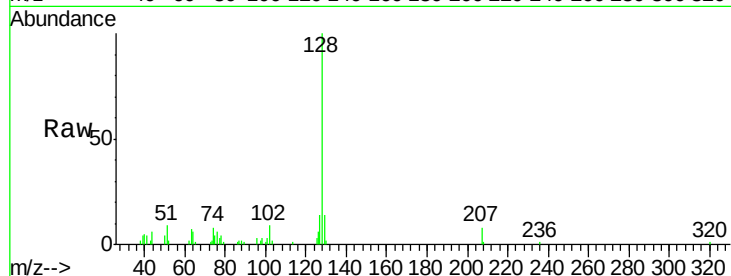
ClientSampleId :

VSTDIC005

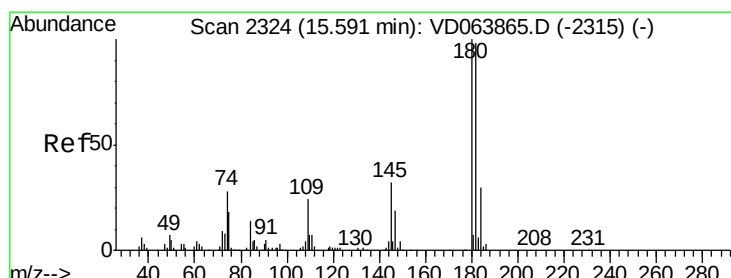
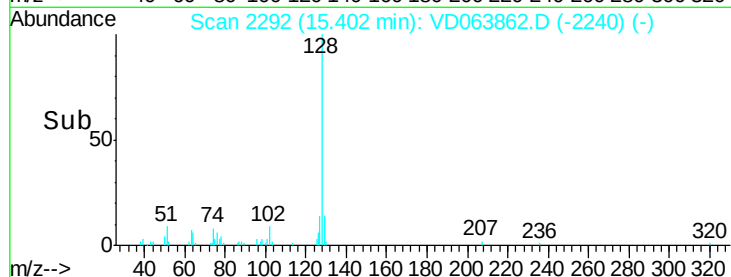
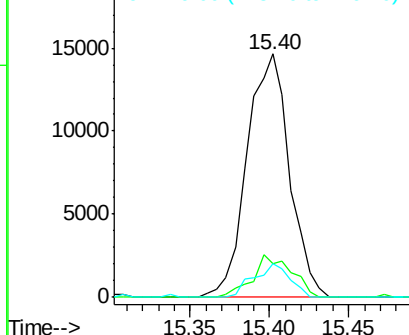
Tot Ion:128	Resp:	27214
Ion Ratio	Lower	Upper
128	100	
127	16.1	10.6 16.0#
129	11.7	8.6 13.0

Manual Integrations
APPROVED

MMDadoda
10/3/2019 12:54:34 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.367 ug/l

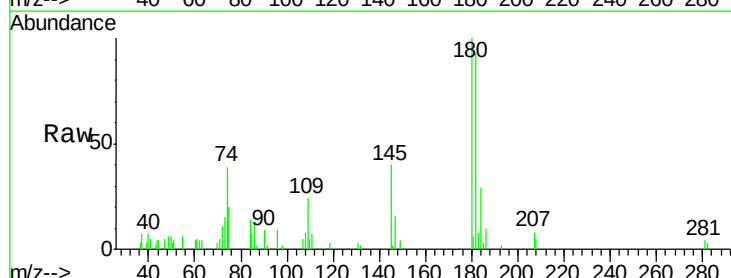
RT: 15.59 min Scan# 2324

Delta R.T. -0.00 min

Lab File: VD063862.D

Acq: 02 Oct 2019 15:54

Tgt Ion:180	Resp:	15443
Ion Ratio	Lower	Upper
180	100	
182	94.7	47.0 141.0
145	35.0	15.3 45.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

