

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049344.D
 Acq On : 18 Jun 2018 15:38
 Operator : MD\SY
 Sample : VN0618WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Manual Integrations
 APPROVED

MMDadoda
 6/19/2018 1:55:43 PM

Quant Time: Jun 19 02:28:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1689718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2573544	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2299539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	1138086	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	1190875	53.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.28%	
35) Dibromofluoromethane	7.59	113	1055314	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
50) Toluene-d8	10.09	98	3974655	50.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.26%	
62) 4-Bromofluorobenzene	12.40	95	1321941	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	363424	18.686	ug/l	97
3) Chloromethane	2.06	50	460955	18.354	ug/l	97
4) Vinyl Chloride	2.18	62	508615	19.056	ug/l	99
5) Bromomethane	2.56	94	223641	15.939	ug/l	99
6) Chloroethane	2.70	64	324206	20.372	ug/l	100
7) Trichlorofluoromethane	3.01	101	674783	20.265	ug/l	100
8) Diethyl Ether	3.41	74	257931	22.188	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.75	101	430511	20.385	ug/l	94
10) Methyl Iodide	3.95	142	330318	15.025	ug/l	92
11) Tert butyl alcohol	4.80	59	170472	129.599	ug/l	98
12) 1,1-Dichloroethene	3.73	96	390648	20.163	ug/l	91
13) Acrolein	3.61	56	102642	74.410	ug/l	98
14) Allyl chloride	4.32	41	650251	21.256	ug/l	89
15) Acrylonitrile	4.99	53	778112	118.302	ug/l	99
16) Acetone	3.82	43	679075	124.795	ug/l	91
17) Carbon Disulfide	4.05	76	1102066	18.148	ug/l	100
18) Methyl Acetate	4.33	43	445296	26.838	ug/l	94
19) Methyl tert-butyl Ether	5.05	73	1163937	23.563	ug/l	98
20) Methylene Chloride	4.55	84	460902	20.280	ug/l	92
21) trans-1,2-Dichloroethene	5.04	96	421857	20.567	ug/l	92
22) Diisopropyl ether	5.96	45	1382598	22.632	ug/l	97
23) Vinyl Acetate	5.90	43	4708953	118.243	ug/l	96
24) 1,1-Dichloroethane	5.85	63	824108	21.077	ug/l	98
25) 2-Butanone	6.84	43	908727	124.369	ug/l	99
26) 2,2-Dichloropropane	6.83	77	685467	21.708	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	489767	21.477	ug/l	92
28) Bromochloromethane	7.20	49	364973	21.054	ug/l	87
29) Tetrahydrofuran	7.22	42	576969	122.671	ug/l	93
30) Chloroform	7.37	83	826192	21.232	ug/l	100
31) Cyclohexane	7.66	56	690471	20.728	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	704508	21.219	ug/l	97
36) 1,1-Dichloropropene	7.79	75	607725	20.604	ug/l	97
37) Ethyl Acetate	6.93	43	401953	25.067	ug/l	97
38) Carbon Tetrachloride	7.78	117	626583	20.520	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	624058	19.710	ug/l	96
40) Benzene	8.04	78	1850212	20.461	ug/l	98
41) Methacrylonitrile	7.17	41	204853	23.632	ug/l #	100
42) 1,2-Dichloroethane	8.13	62	595440	21.313	ug/l	96
43) Isopropyl Acetate	8.17	43	822023	26.831	ug/l #	88
44) Trichloroethene	8.84	130	484733	20.299	ug/l	94
45) 1,2-Dichloropropane	9.12	63	494255	20.875	ug/l	100
46) Dibromomethane	9.21	93	290744	21.178	ug/l	92
47) Bromodichloromethane	9.41	83	632899	20.978	ug/l	97
48) Methyl methacrylate	9.20	41	350619	24.302	ug/l	88
49) 1,4-Dioxane	9.20	88	98032	492.320	ug/l	91
51) 4-Methyl-2-Pentanone	9.99	43	1965765	122.424	ug/l	93
52) Toluene	10.16	92	1128171	21.257	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	626318	21.701	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	727210	21.340	ug/l #	89
55) 1,1,2-Trichloroethane	10.56	97	424332	21.447	ug/l	98
56) Ethyl methacrylate	10.43	69	542125	23.751	ug/l #	86
57) 1,3-Dichloropropane	10.71	76	713318	21.763	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	725770	98.169	ug/l	95
59) 2-Hexanone	10.76	43	1321872	127.692	ug/l	93
60) Dibromochloromethane	10.90	129	467430	21.167	ug/l	100
61) 1,2-Dibromoethane	11.01	107	410715	22.333	ug/l	100
64) Tetrachloroethene	10.63	164	461514	19.586	ug/l	98
65) Chlorobenzene	11.44	112	1237881	20.897	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	465056	20.862	ug/l	99
67) Ethyl Benzene	11.51	91	2104321	21.416	ug/l	98
68) m/p-Xylenes	11.62	106	1603631	43.488	ug/l	97
69) o-Xylene	11.95	106	780001	21.962	ug/l	95
70) Styrene	11.97	104	1258374	22.458	ug/l	97
71) Bromoform	12.13	173	318498	22.072	ug/l #	100
73) Isopropylbenzene	12.25	105	2076011	20.775	ug/l	98
74) N-amyl acetate	12.07	43	575937	23.531	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.51	83	518287	24.050	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	433995m	22.349	ug/l	
77) Bromobenzene	12.53	156	528023	20.005	ug/l	93
78) n-propylbenzene	12.59	91	2294531	20.913	ug/l	99
79) 2-Chlorotoluene	12.68	91	1406089	20.226	ug/l	96
80) 1,3,5-Trimethylbenzene	12.74	105	1669624	21.258	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	139817	22.756	ug/l	93
82) 4-Chlorotoluene	12.78	91	1395555	20.808	ug/l	97
83) tert-Butylbenzene	13.00	119	1447006	20.795	ug/l	96
84) 1,2,4-Trimethylbenzene	13.04	105	1674460	21.461	ug/l	98
85) sec-Butylbenzene	13.17	105	1902401	20.541	ug/l	99
86) p-Isopropyltoluene	13.29	119	1620734	20.946	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	876946	20.196	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	858152	19.940	ug/l	100
89) n-Butylbenzene	13.62	91	1234284	20.423	ug/l	97
90) Hexachloroethane	13.88	117	315573	20.551	ug/l	89
91) 1,2-Dichlorobenzene	13.66	146	872429	20.486	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	76865	22.095	ug/l	86

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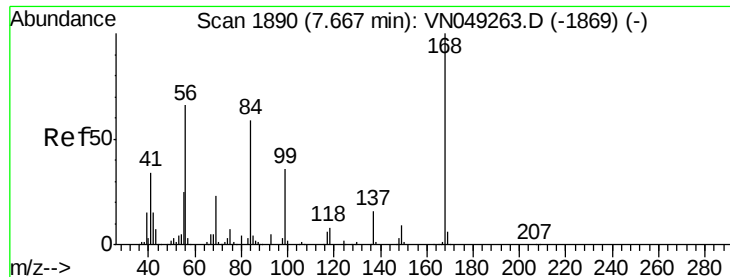
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	320395	19.601	ug/l	98
94) Hexachlorobutadiene	15.01	225	285722	21.381	ug/l	99
95) Naphthalene	15.14	128	681619	22.449	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	345529	20.314	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion:168 Resp: 1689718

Ion Ratio Lower Upper

168 100

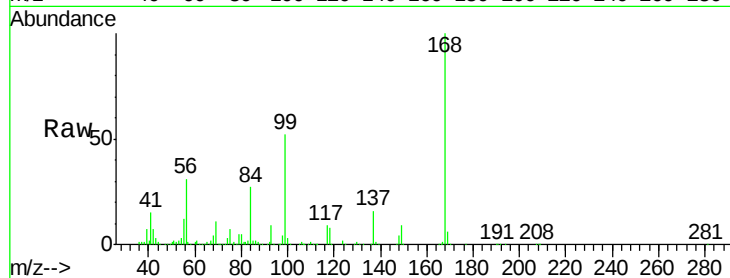
99 51.9 45.8 68.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

800000

600000

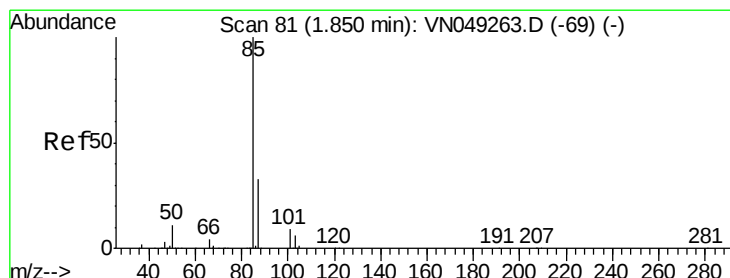
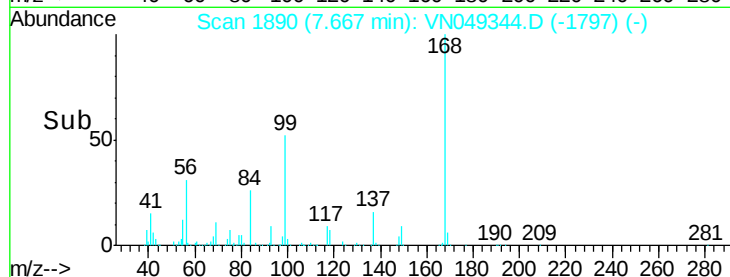
400000

200000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 18.686 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN049344.D

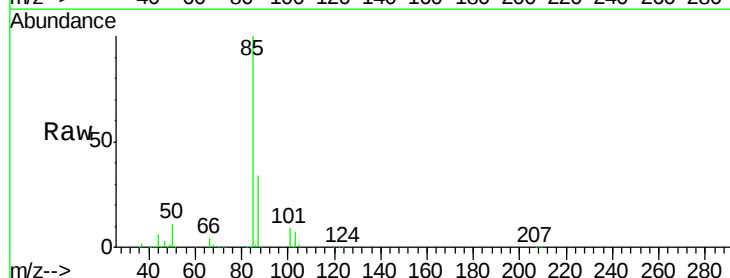
Acq: 18 Jun 2018 15:38

Tgt Ion: 85 Resp: 363424

Ion Ratio Lower Upper

85 100

87 33.8 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

300000

250000

200000

150000

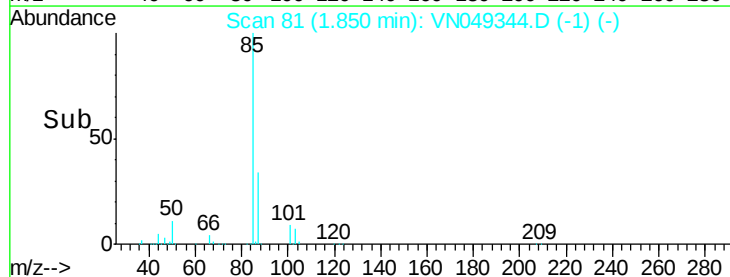
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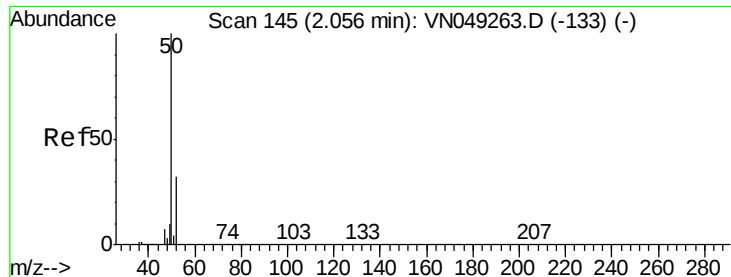
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 18.354 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion: 50 Resp: 460955

Ion Ratio Lower Upper

50 100

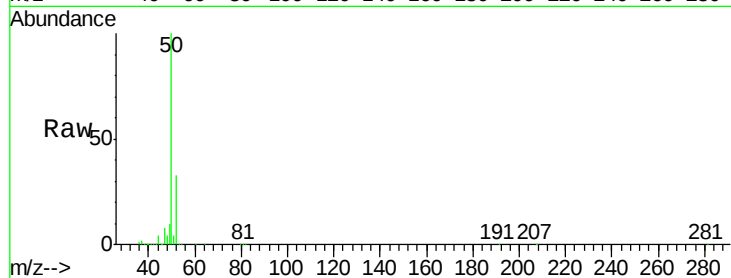
52 33.4 25.2 37.8

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

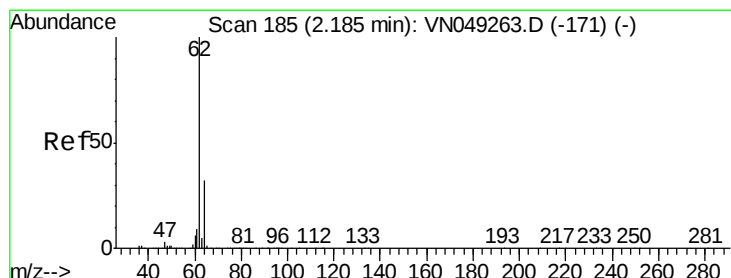
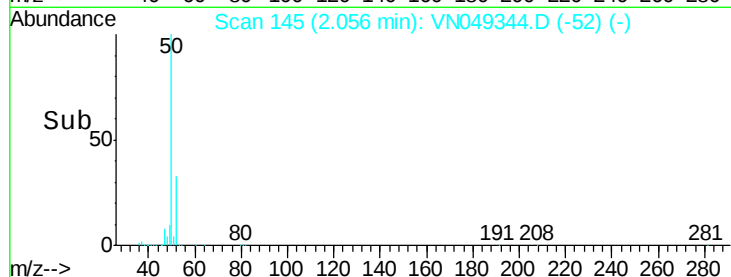
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 19.056 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049344.D

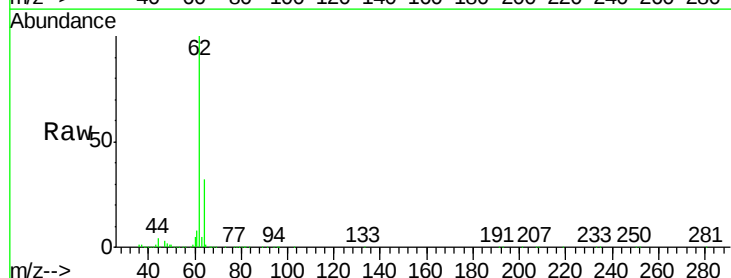
Acq: 18 Jun 2018 15:38

Tgt Ion: 62 Resp: 508615

Ion Ratio Lower Upper

62 100

64 31.5 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

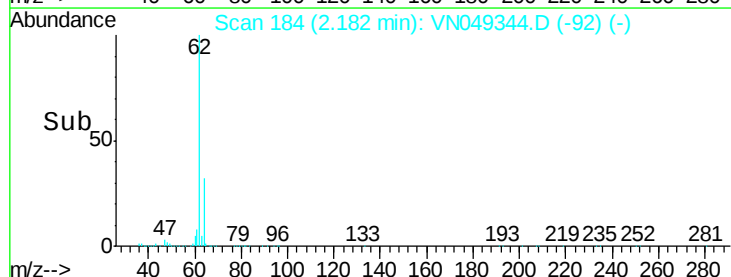
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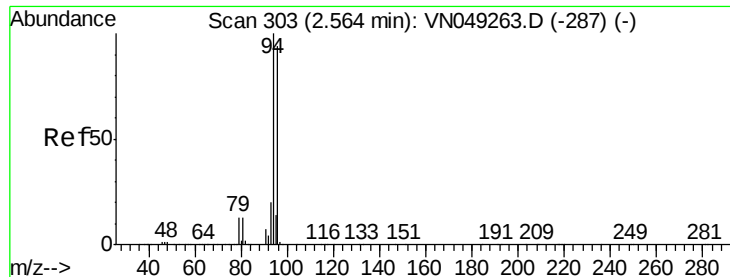
200000

100000

0

Time-->





#5

Bromomethane

Concen: 15.939 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion: 94 Resp: 223641

Ion Ratio Lower Upper

94 100

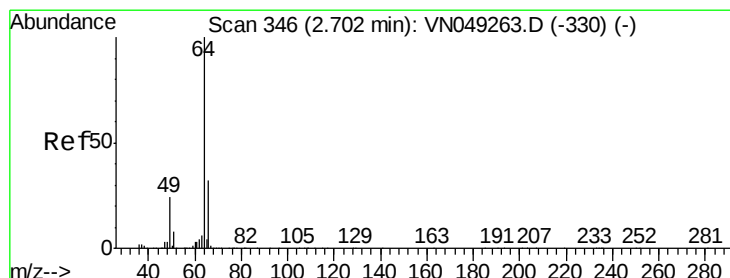
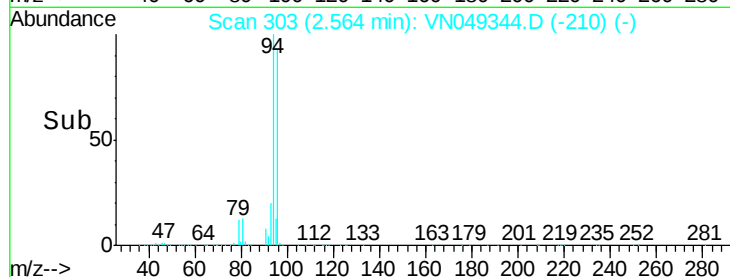
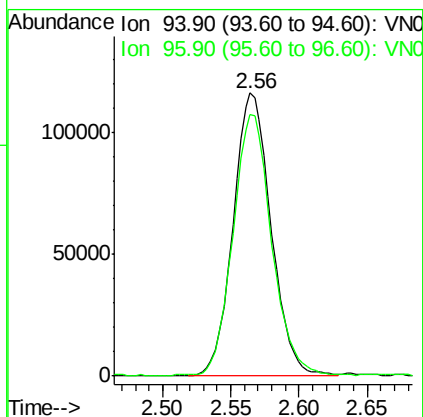
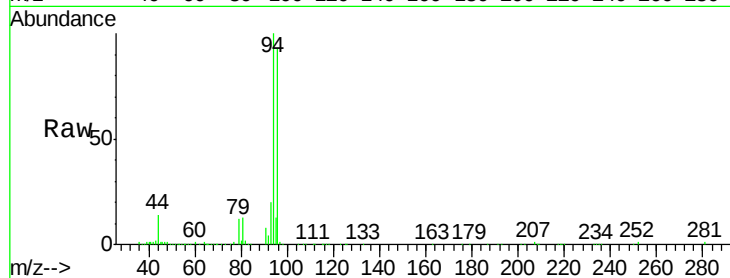
96 92.3 72.8 109.2

Manual Integrations

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#6

Chloroethane

Concen: 20.372 ug/l

RT: 2.70 min Scan# 346

Delta R.T. -0.00 min

Lab File: VN049344.D

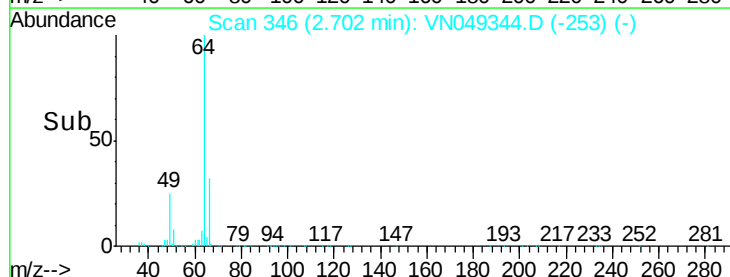
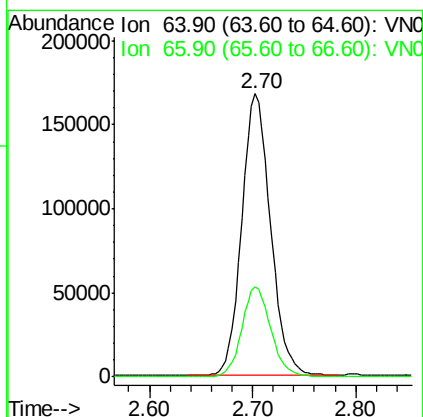
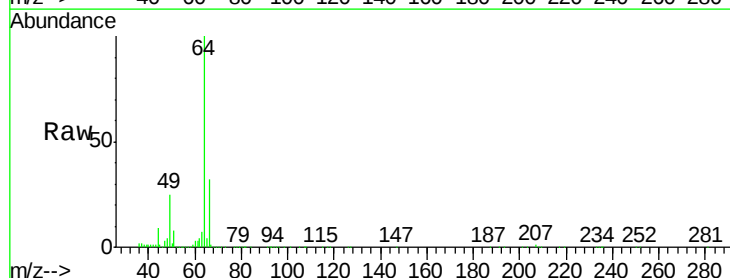
Acq: 18 Jun 2018 15:38

Tgt Ion: 64 Resp: 324206

Ion Ratio Lower Upper

64 100

66 32.0 25.6 38.4





#7

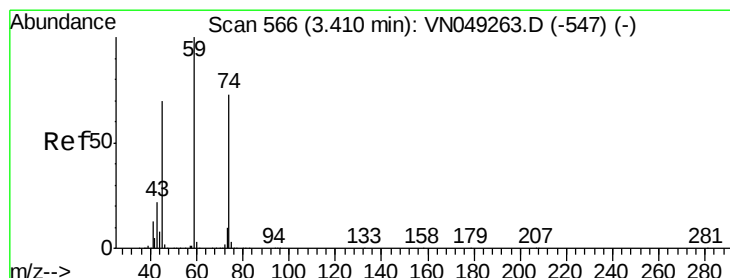
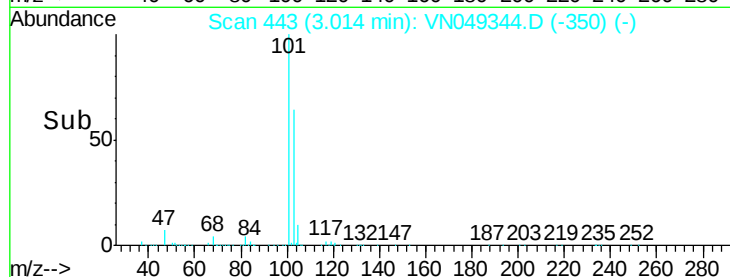
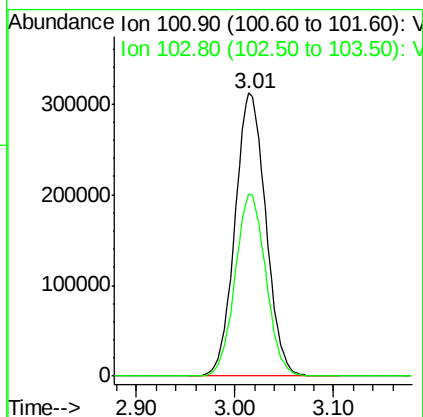
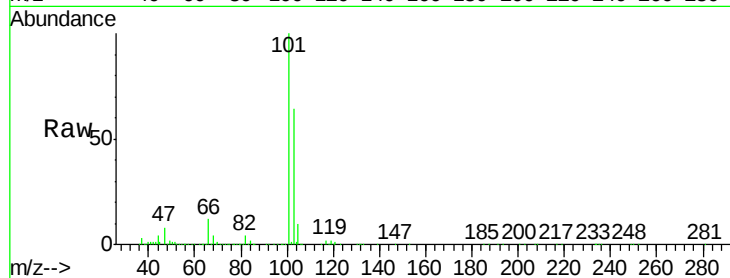
Trichlorofluoromethane
Concen: 20.265 ug/l
RT: 3.01 min Scan# 443
Delta R.T. -0.00 min
Lab File: VN049344.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.7	77.5

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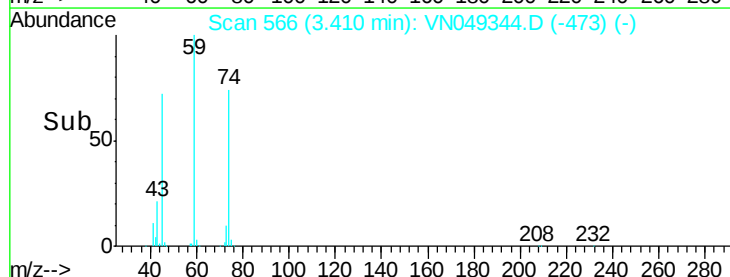
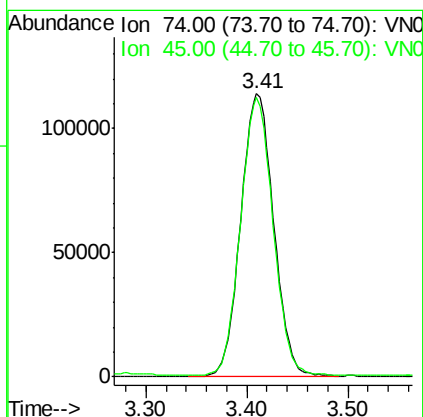
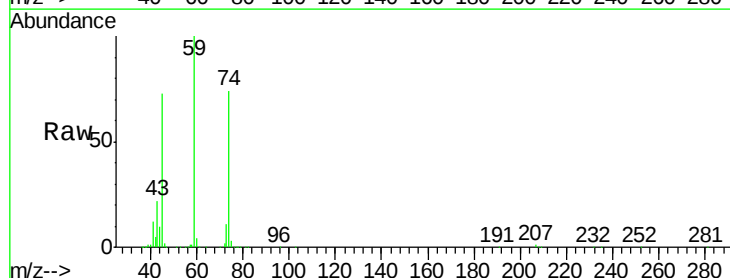
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#8

Diethyl Ether
Concen: 22.188 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.4	51.9	155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.385 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

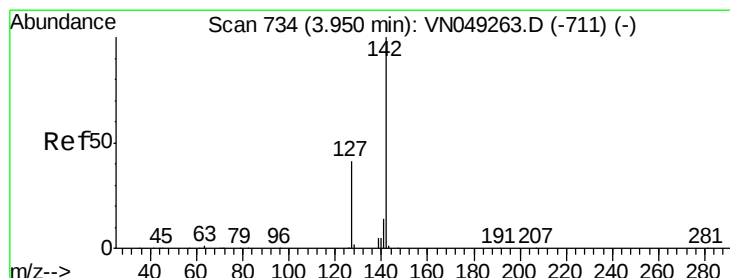
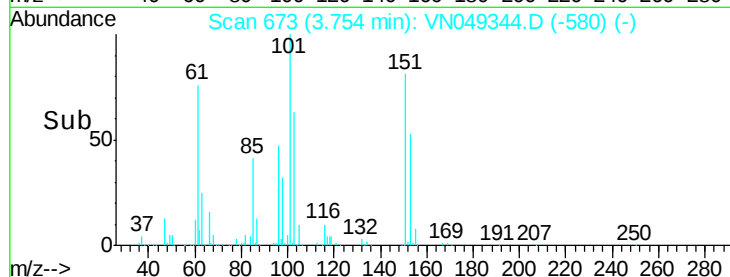
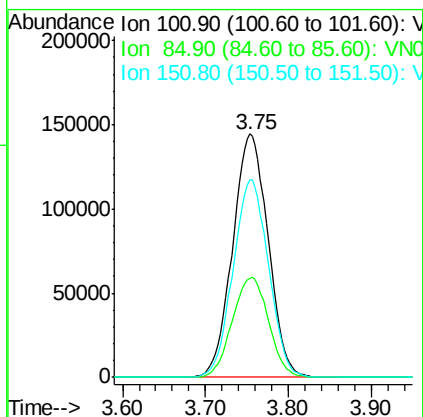
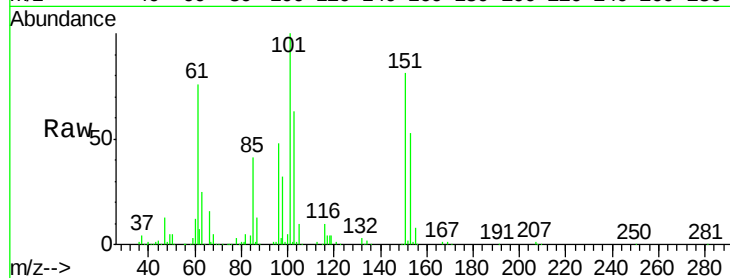
ClientSampleId :

VN0618WBSD01

Tot Ion:	101	Resp:	430511
Ion Ratio	Lower	Upper	
101	100		
85	42.0	37.6	56.4
151	81.0	61.1	91.7

Manual Integrations
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#10

Methyl Iodide

Concen: 15.025 ug/l

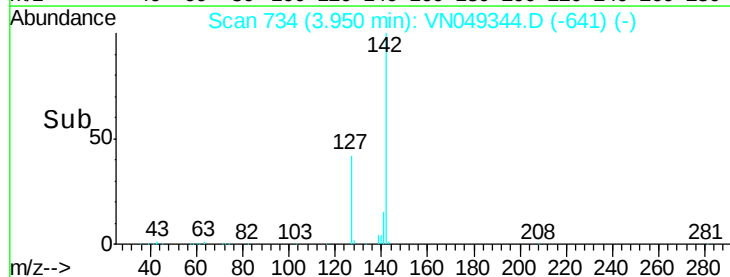
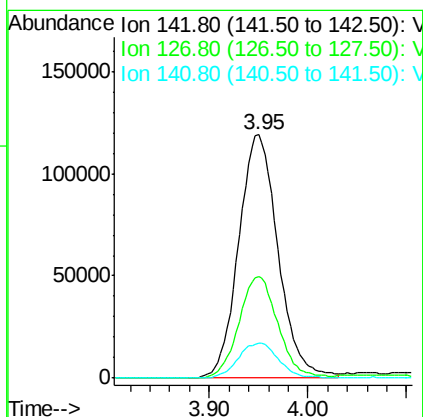
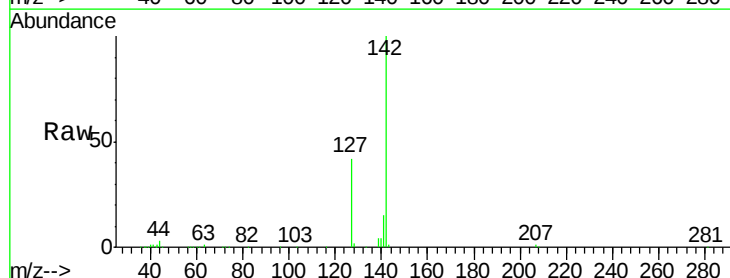
RT: 3.95 min Scan# 734

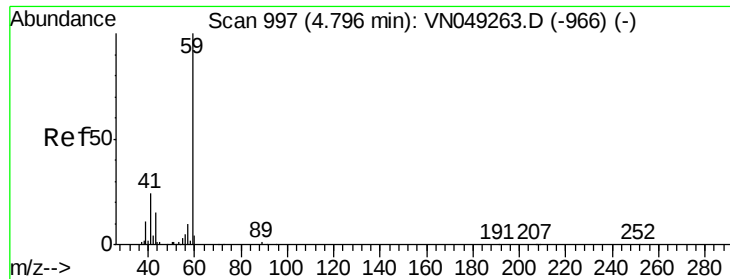
Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Tgt Ion:	142	Resp:	330318
Ion Ratio	Lower	Upper	
142	100		
127	41.2	38.2	57.4
141	14.8	11.9	17.9





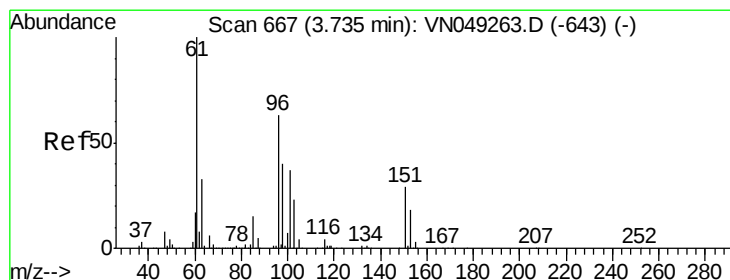
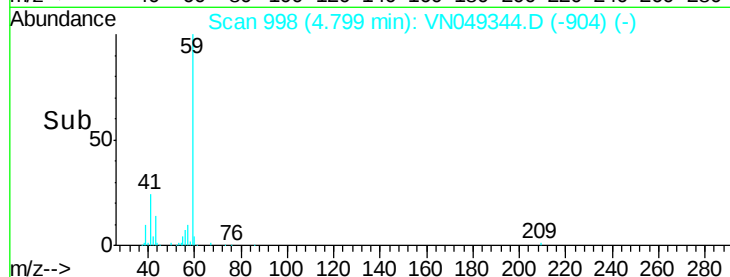
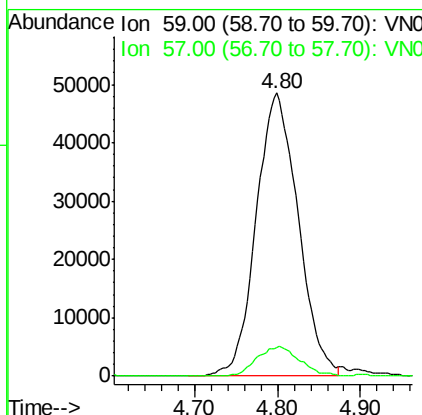
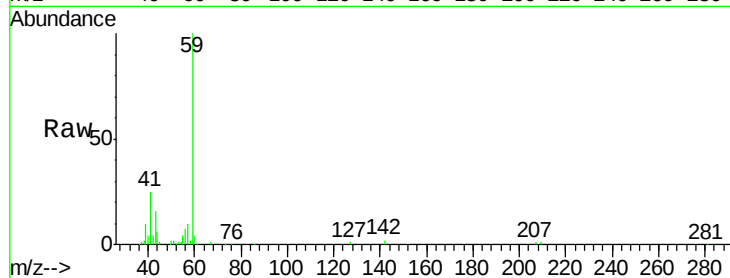
#11
Tert butyl alcohol
Concen: 129.599 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	9.0	13.6

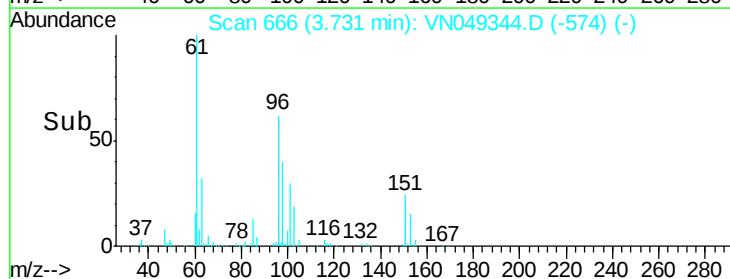
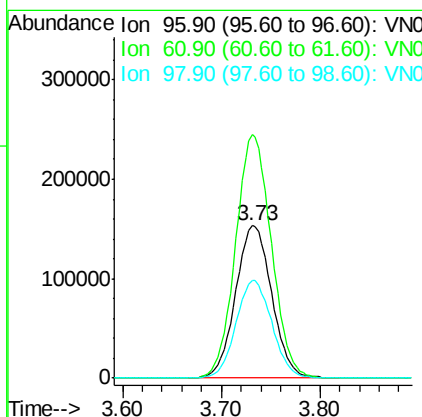
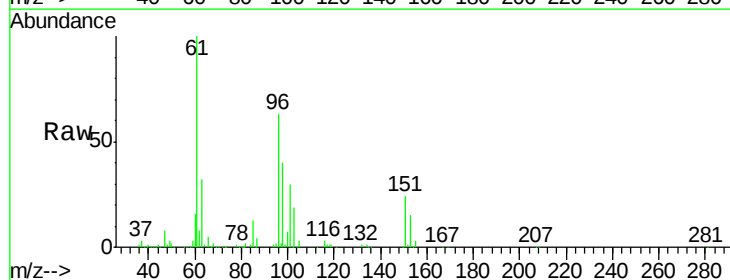
Manual Integrations
APPROVED

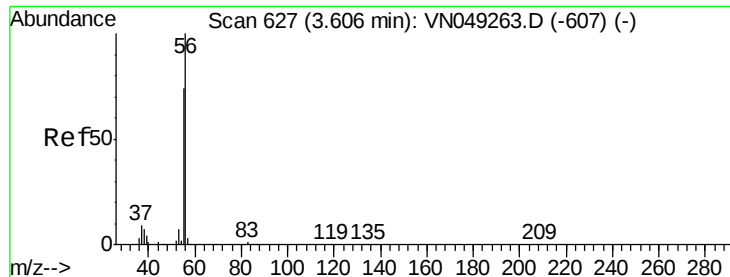
MMDadoda
6/19/2018 1:55:43 PM



#12
1,1-Dichloroethene
Concen: 20.163 ug/l
RT: 3.73 min Scan# 666
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.8	141.0	211.4
98	64.4	50.4	75.6





#13

Acrolein

Concen: 74.410 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion: 56 Resp: 102642

Ion Ratio Lower Upper

56 100

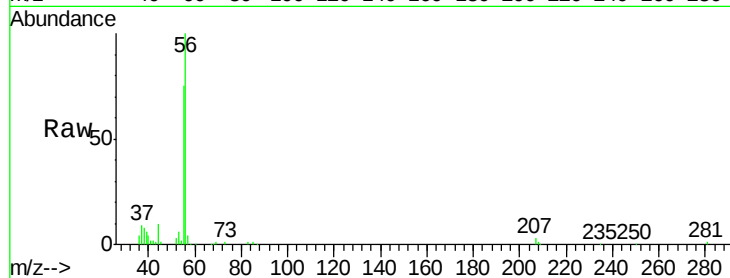
55 69.9 57.1 85.7

Manual Integrations

APPROVED

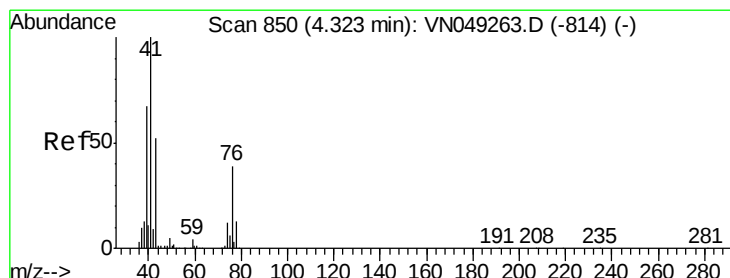
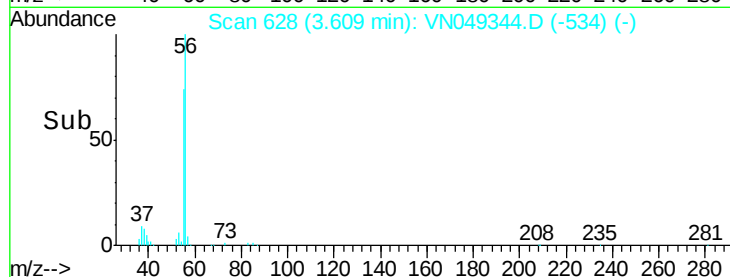
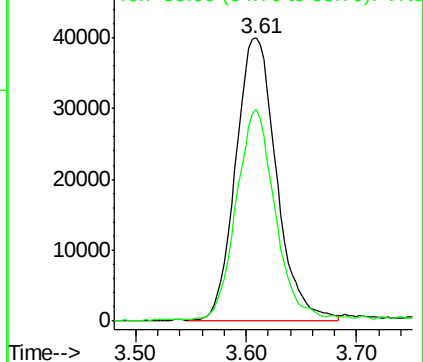
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 21.256 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

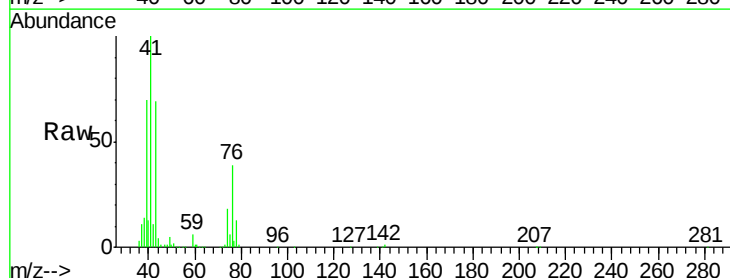
Tgt Ion: 41 Resp: 650251

Ion Ratio Lower Upper

41 100

39 66.2 62.5 93.7

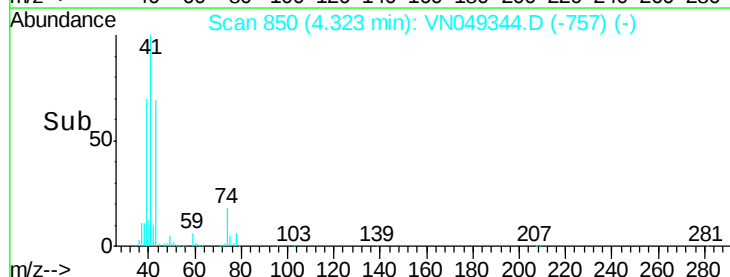
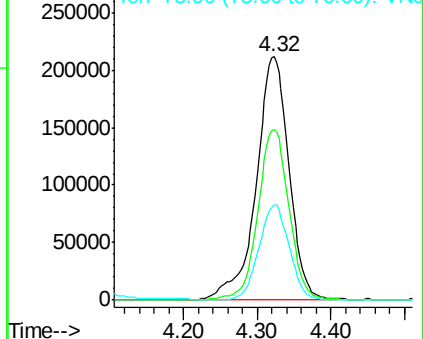
76 35.8 27.1 40.7



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





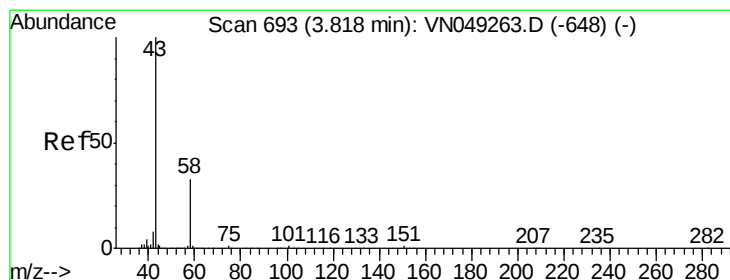
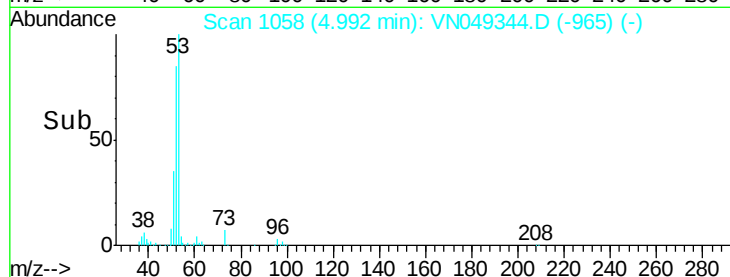
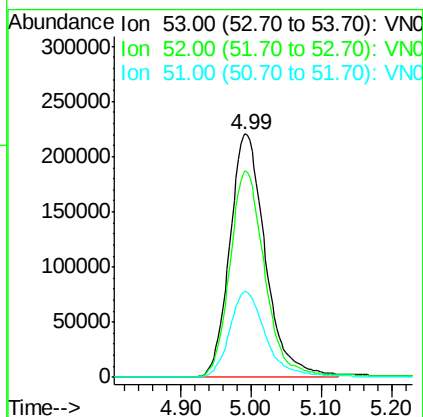
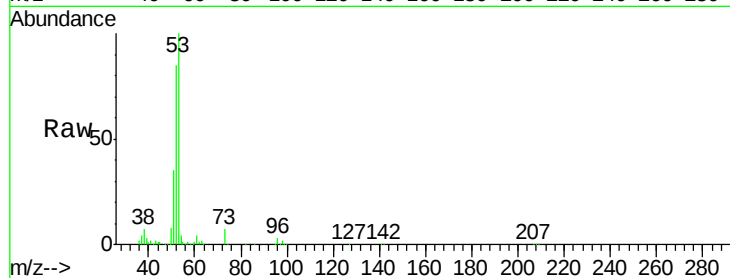
#15
 Acrylonitrile
 Concen: 118.302 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. -0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.7	66.6	100.0
51	36.1	29.8	44.8

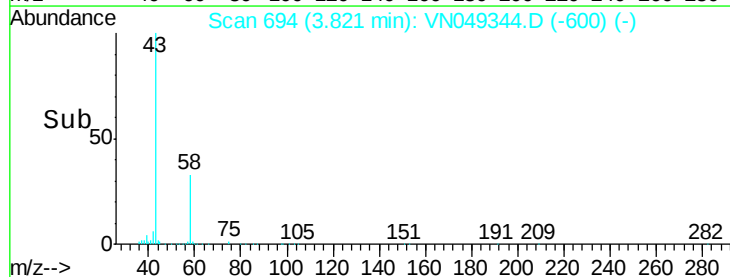
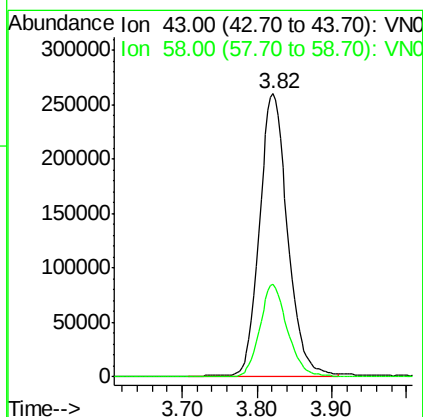
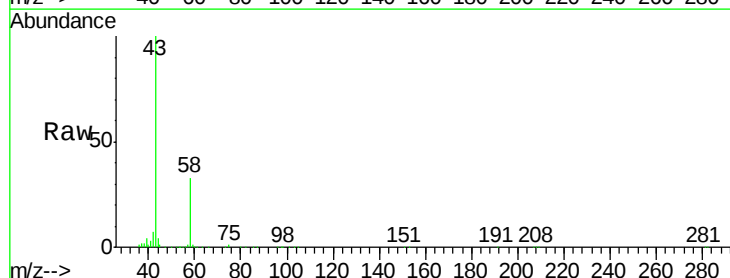
Manual Integrations
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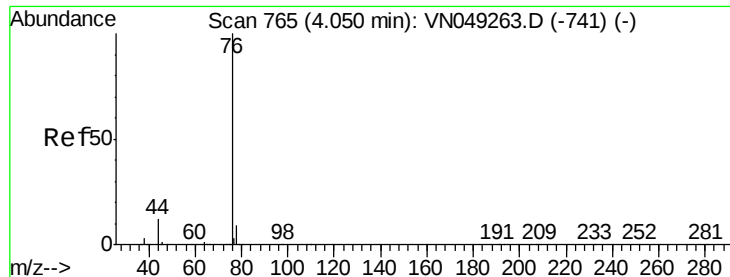
MMDadoda
 6/19/2018 1:55:43 PM



#16
 Acetone
 Concen: 124.795 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.6	22.4	33.6





#17

Carbon Disulfide

Concen: 18.148 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion: 76 Resp: 1102066

Ion Ratio Lower Upper

76 100

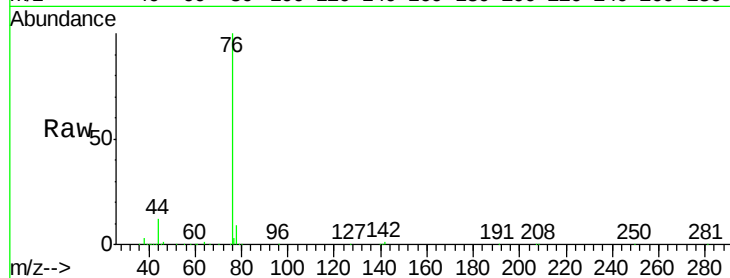
78 9.1 7.4 11.0

Manual Integrations

APPROVED

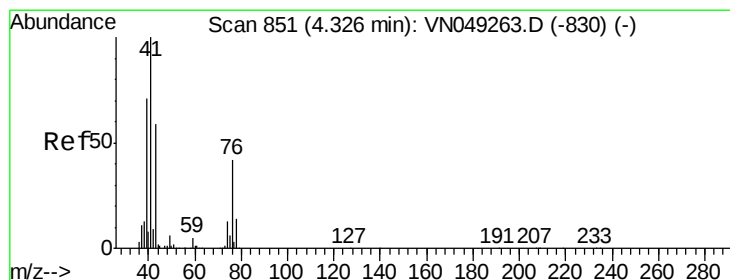
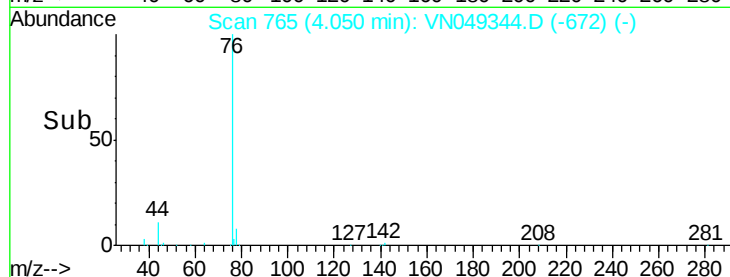
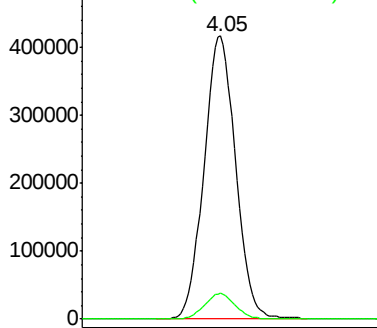
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 26.838 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049344.D

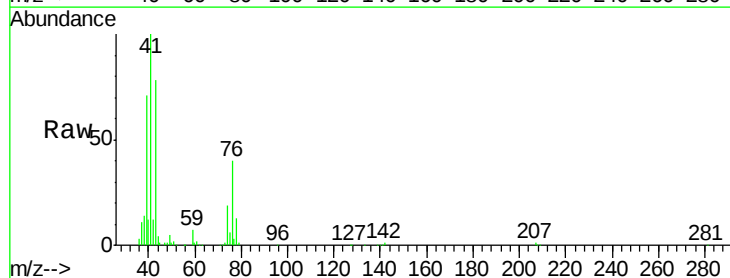
Acq: 18 Jun 2018 15:38

Tgt Ion: 43 Resp: 445296

Ion Ratio Lower Upper

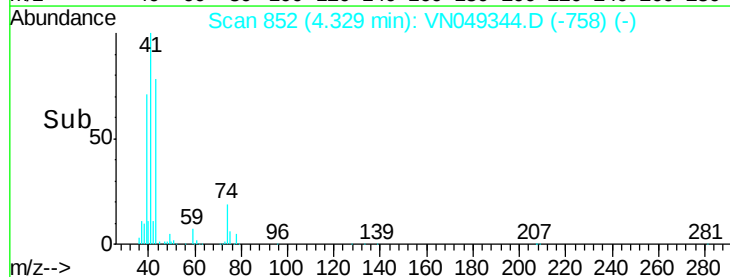
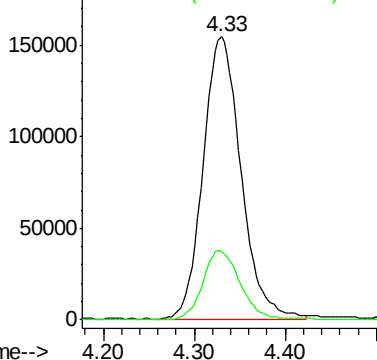
43 100

74 24.4 17.4 26.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





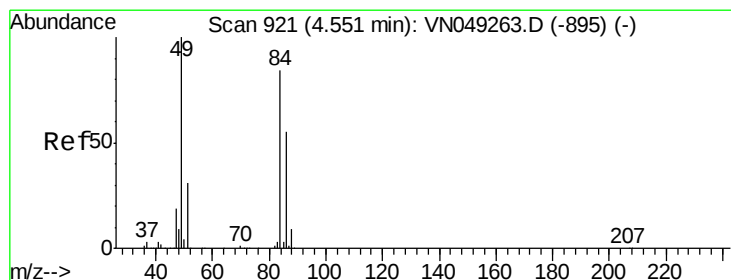
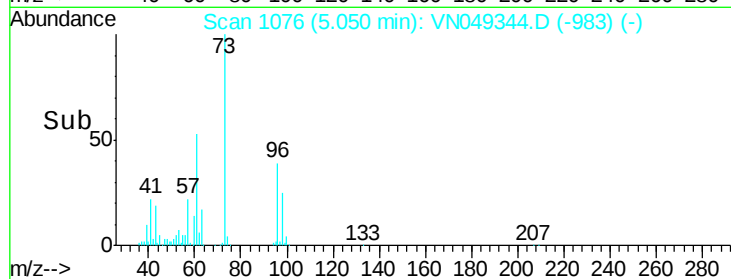
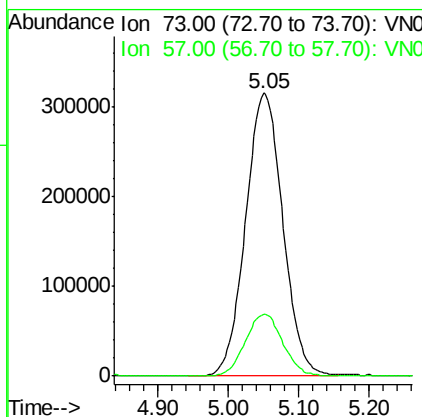
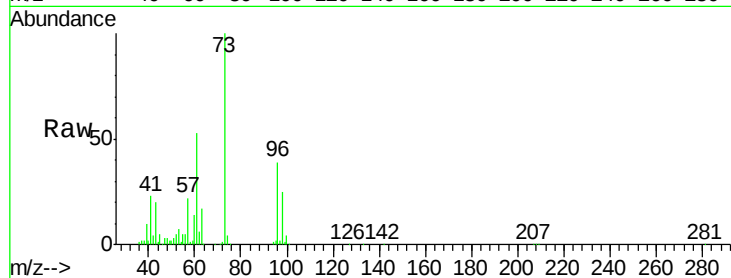
#19
Methvl tert-butvl Ether
Concen: 23.563 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Instrument :
MSVOA_N
ClientSampled :
VN0618WBSD01

Tot Ion: 73 Resp: 1163937
Ion Ratio Lower Upper
73 100
57 21.8 18.2 27.4

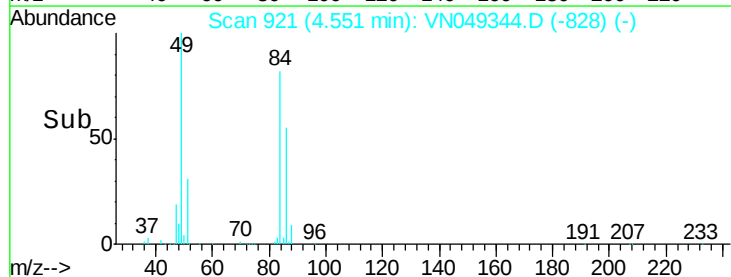
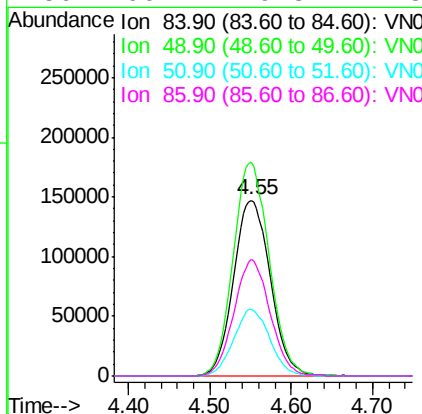
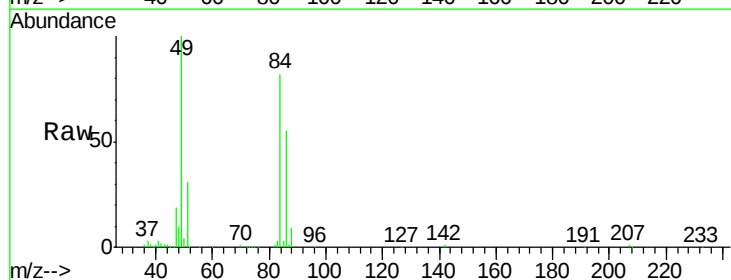
Manual Integrations
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#20
Methylene Chloride
Concen: 20.280 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Tgt Ion: 84 Resp: 460902
Ion Ratio Lower Upper
84 100
49 121.7 106.9 160.3
51 38.1 32.7 49.1
86 66.4 49.8 74.8





#21

trans-1,2-Dichloroethene

Concen: 20.567 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

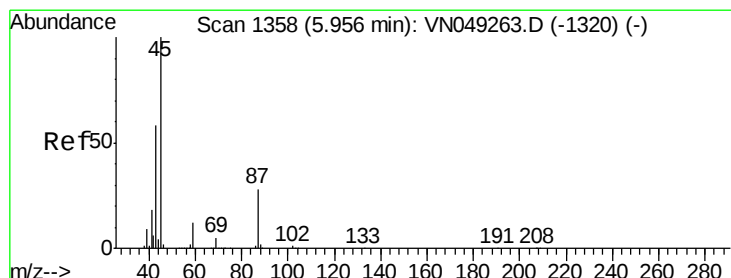
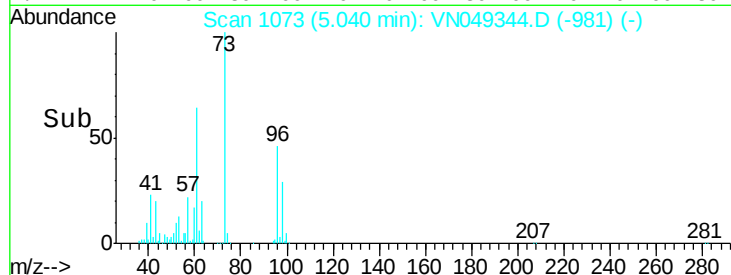
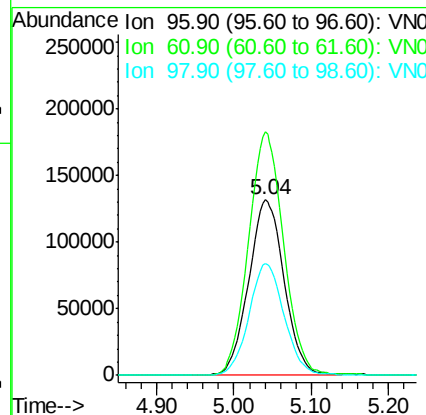
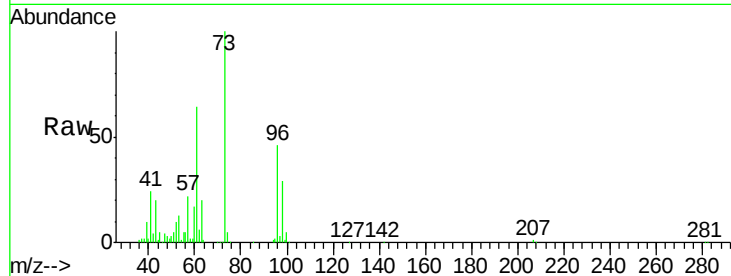
ClientSampleId :

VN0618WBSD01

Tot Ion:	96	Resp:	421857
Ion	Ratio	Lower	Upper
96	100		
61	138.6	121.3	181.9
98	63.3	52.0	78.0

Manual Integrations
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6/19/2018 1:55:43 PM



#22

Diisopropyl ether

Concen: 22.632 ug/l

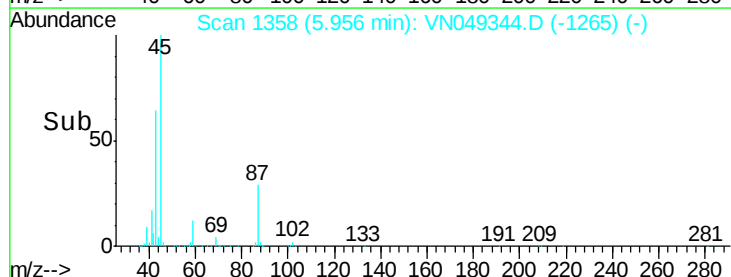
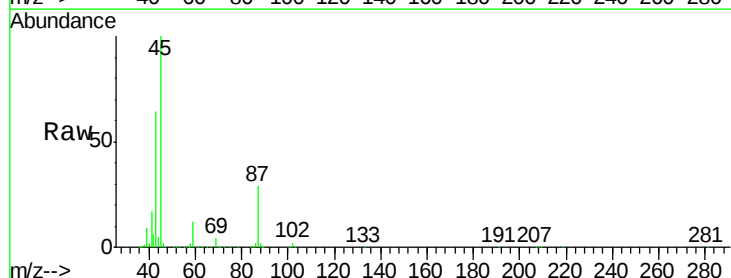
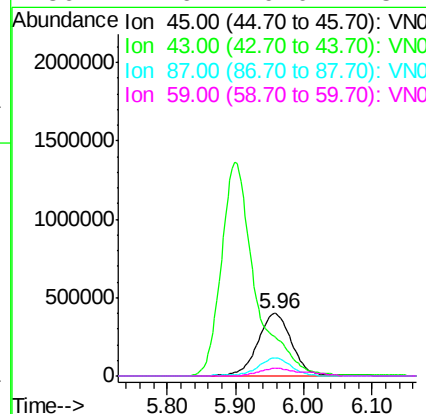
RT: 5.96 min Scan# 1358

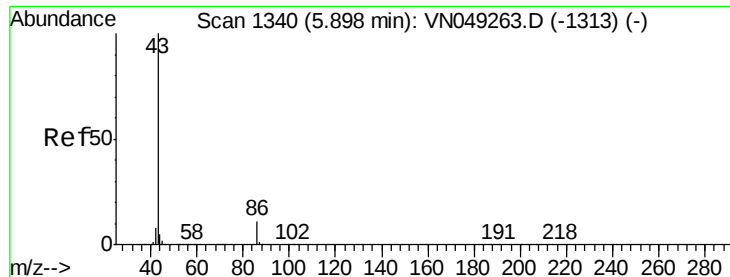
Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Tgt Ion:	45	Resp:	1382598
Ion	Ratio	Lower	Upper
45	100		
43	62.6	48.6	72.8
87	28.4	20.2	30.2
59	11.6	9.0	13.4





#23

Vinyl Acetate

Concen: 118.243 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion: 43 Resp: 4708953

Ion Ratio Lower Upper

43 100

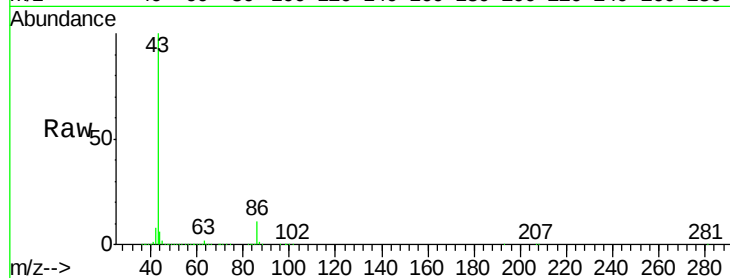
86 10.5 7.2 10.8

Manual Integrations

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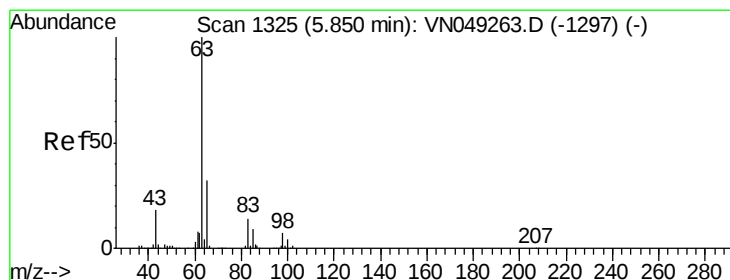
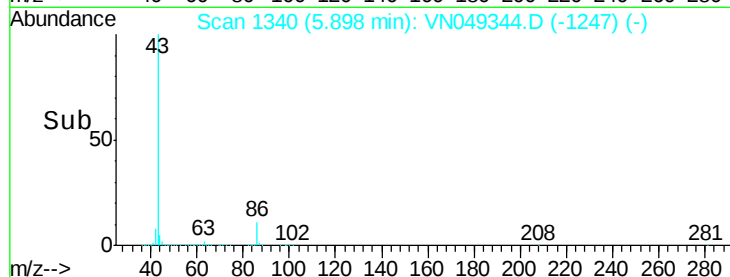
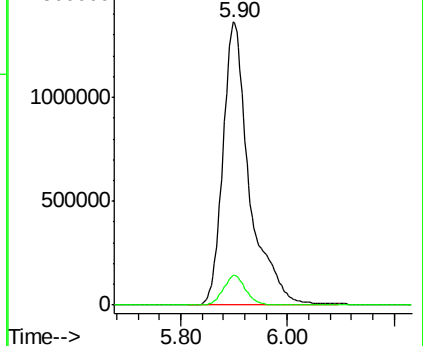
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 21.077 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

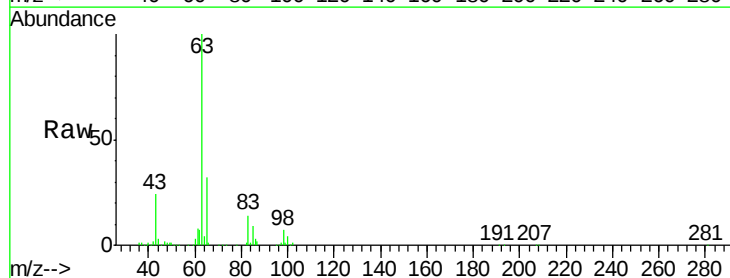
Tgt Ion: 63 Resp: 824108

Ion Ratio Lower Upper

63 100

98 6.6 2.9 8.8

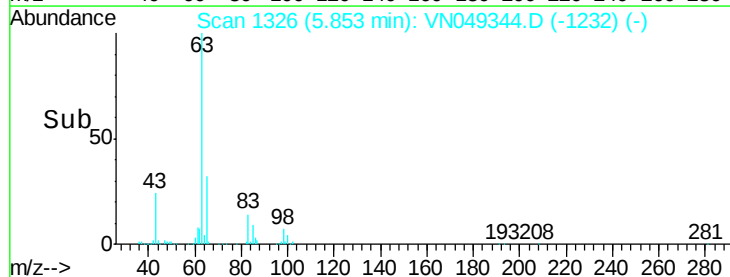
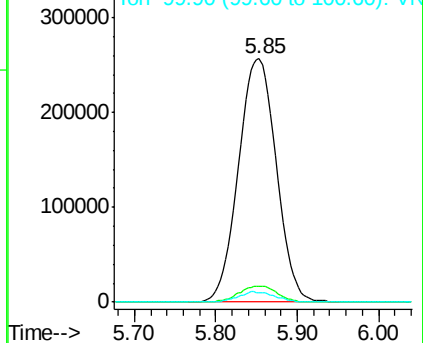
100 3.9 2.1 6.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





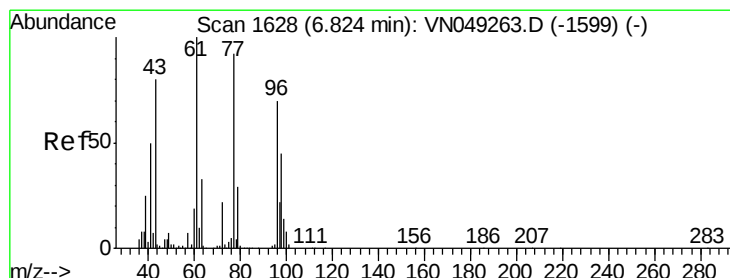
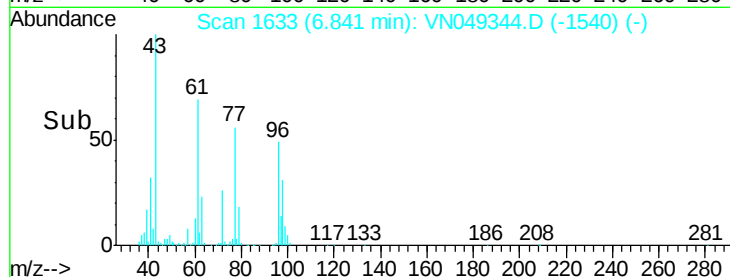
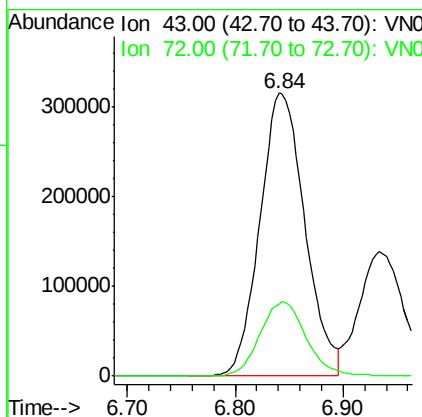
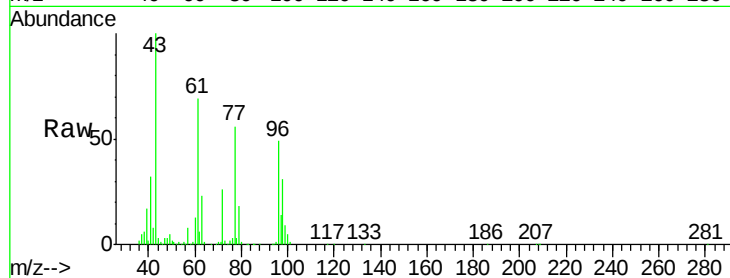
#25
2-Butanone
Concen: 124.369 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Instrument :
MSVOA_N
ClientSampled :
VN0618WBSD01

Tot Ion: 43 Resp: 908727
Ion Ratio Lower Upper
43 100
72 25.7 20.2 30.2

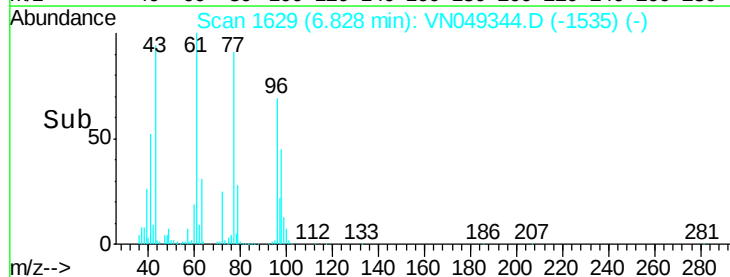
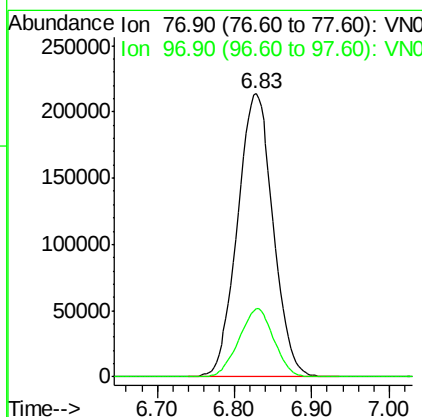
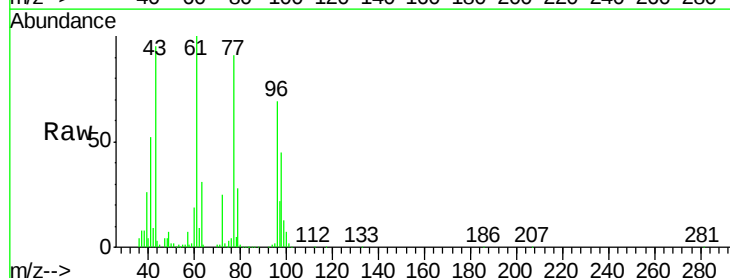
Manual Integrations
APPROVED

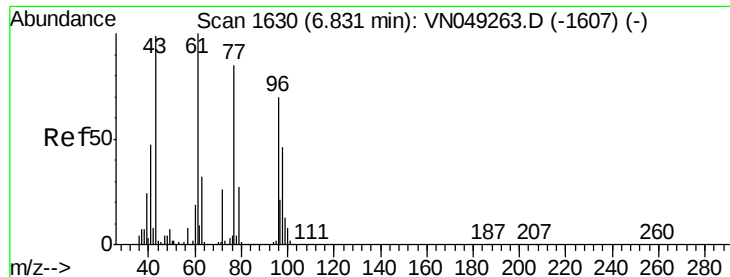
MMDadoda
6/19/2018 1:55:43 PM



#26
2,2-Dichloropropane
Concen: 21.708 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Tgt Ion: 77 Resp: 685467
Ion Ratio Lower Upper
77 100
97 23.6 11.0 33.0





#27

cis-1,2-Dichloroethene

Concen: 21.477 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

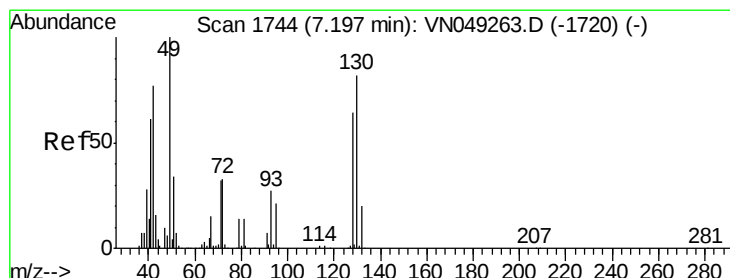
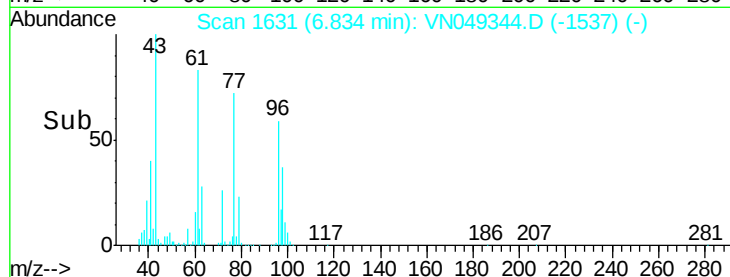
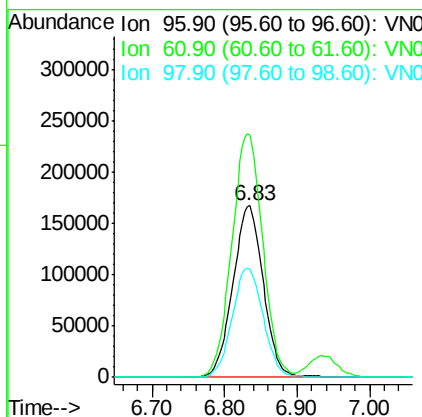
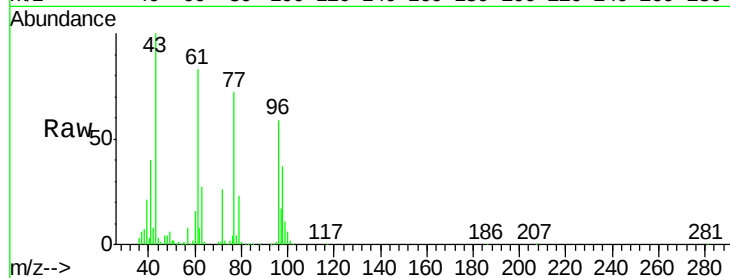
ClientSampleId :

VN0618WBSD01

Tot Ion:	96	Resp:	489767
Ion Ratio	Lower	Upper	
96	100		
61	143.8	0.0	316.4
98	64.7	0.0	128.4

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6/19/2018 1:55:43 PM



#28

Bromochloromethane

Concen: 21.054 ug/l

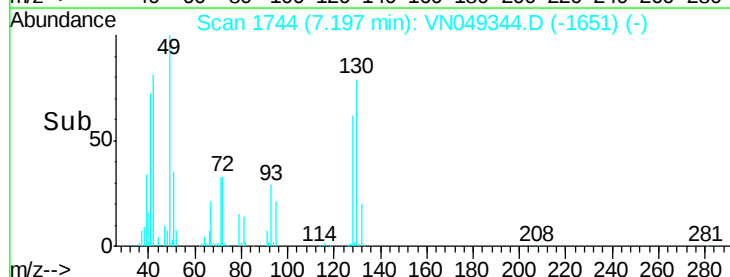
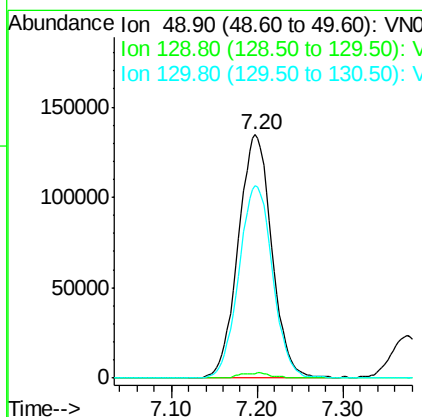
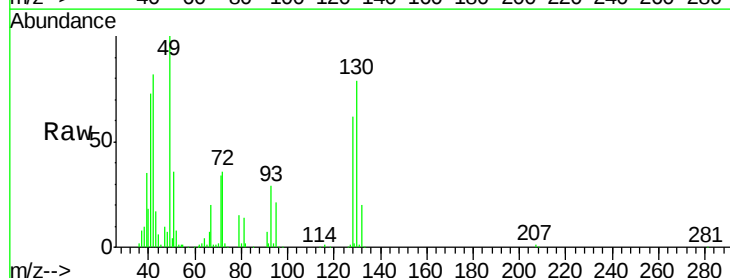
RT: 7.20 min Scan# 1744

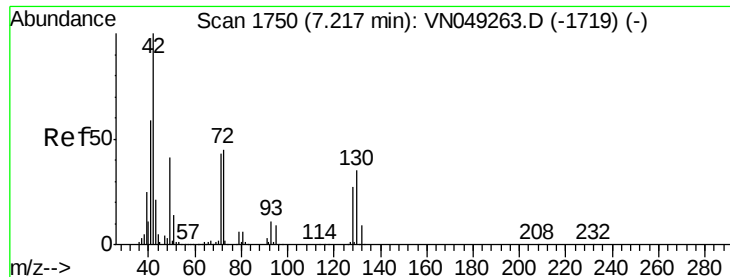
Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Tgt Ion:	49	Resp:	364973
Ion Ratio	Lower	Upper	
49	100		
129	1.9	0.0	3.8
130	79.6	54.9	82.3





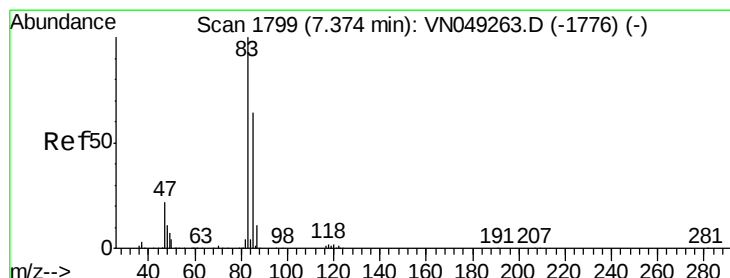
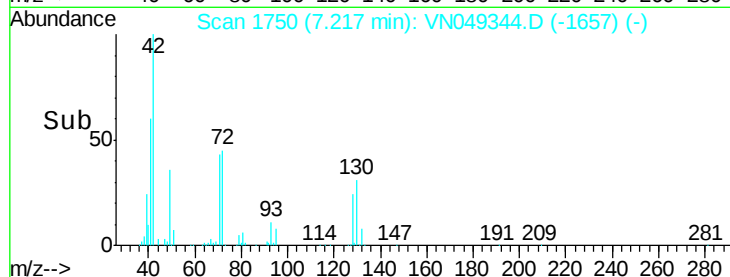
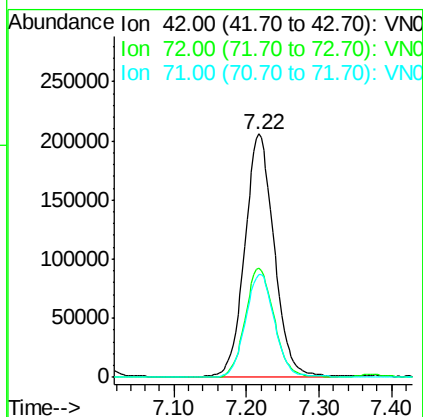
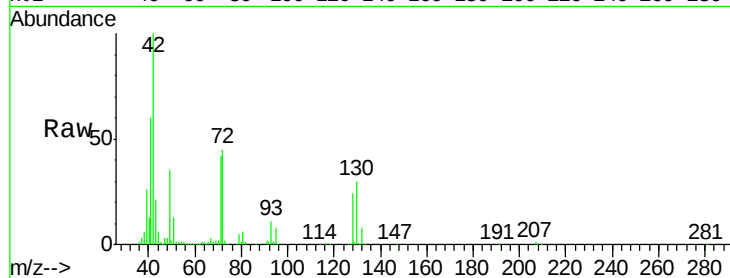
#29
Tetrahydrofuran
Concen: 122.671 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.5	32.2	48.4
71	42.6	30.5	45.7

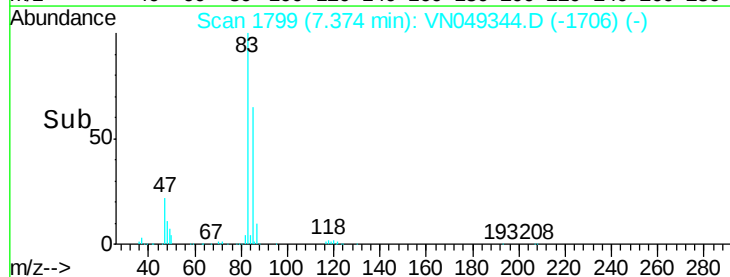
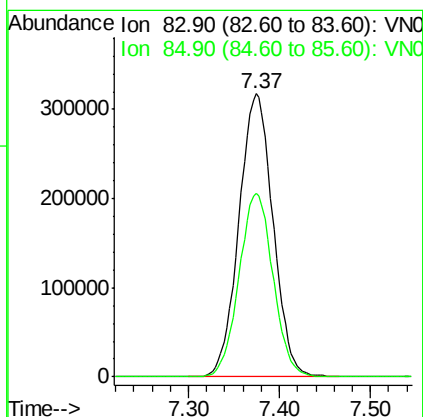
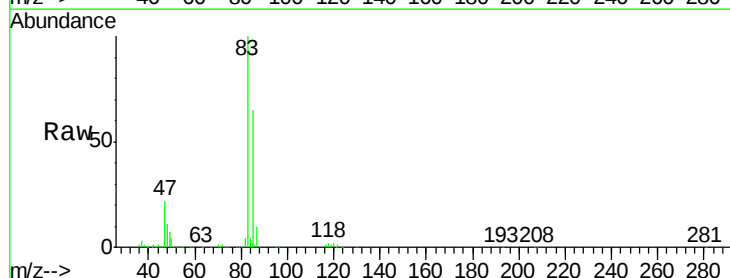
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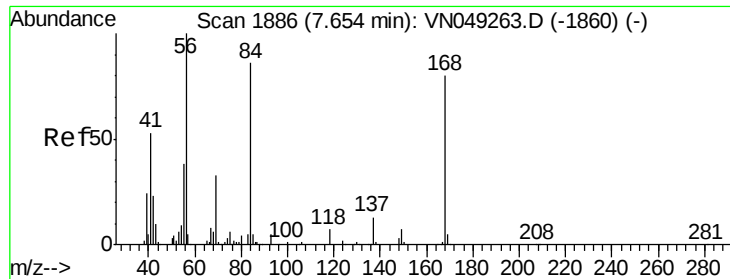
MMDadoda
6/19/2018 1:55:43 PM



#30
Chloroform
Concen: 21.232 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	51.7	77.5





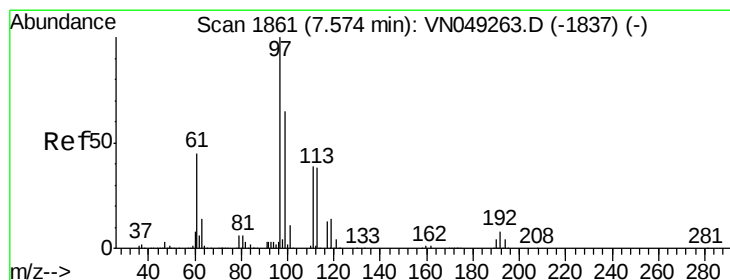
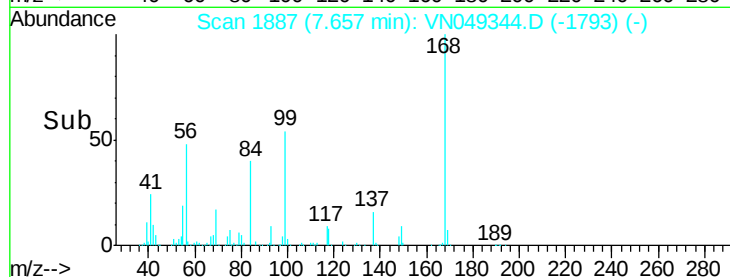
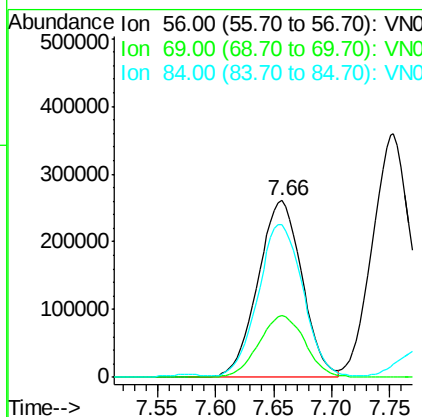
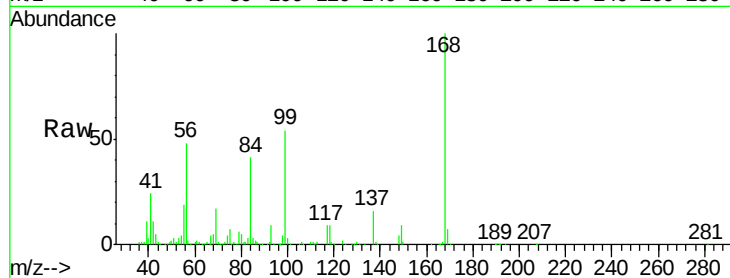
#31
Cyclohexane
Concen: 20.728 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.2	25.0	37.4
84	84.6	64.6	96.8

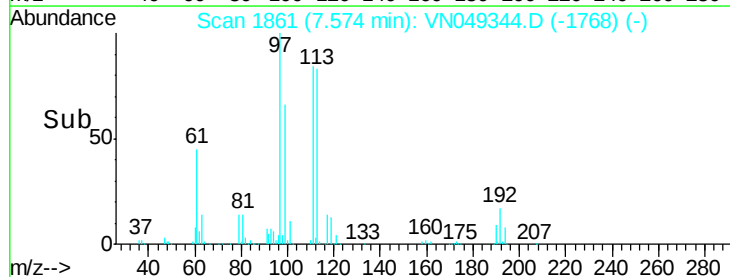
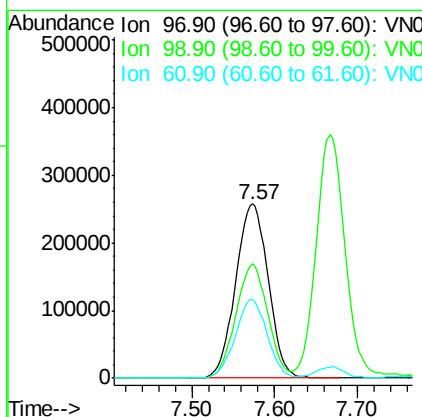
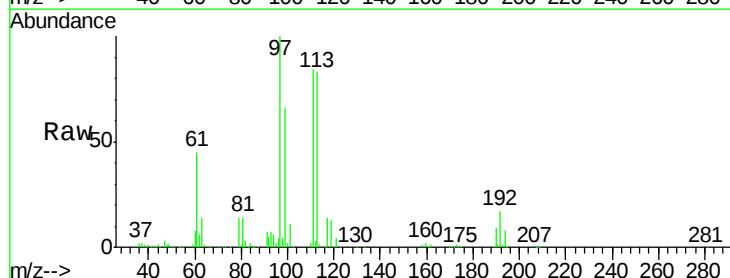
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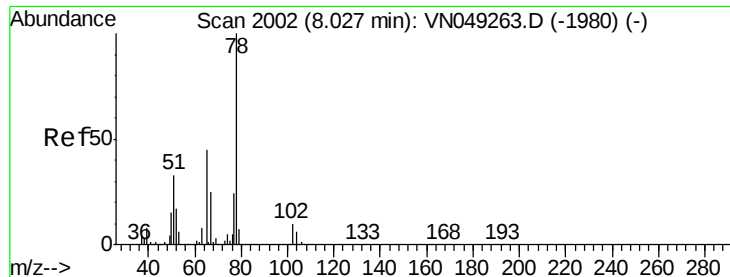
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.219 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.5	75.7
61	44.0	37.9	56.9





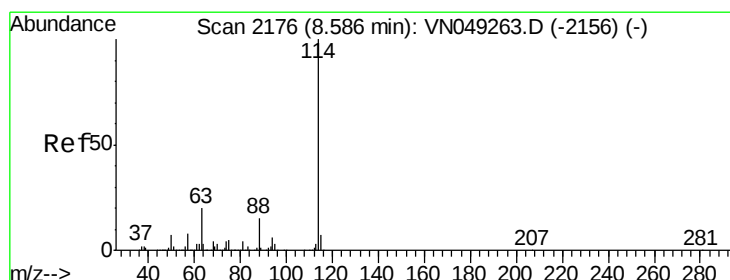
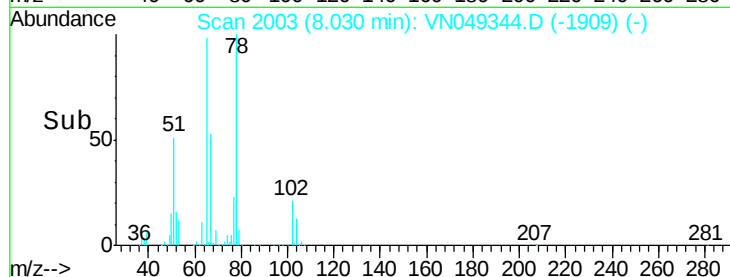
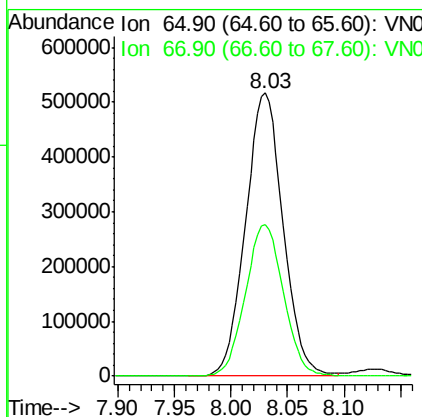
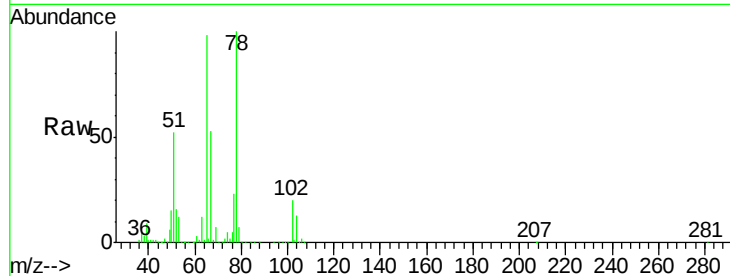
#33
 1,2-Dichloroethane-d4
 Concen: 53.137 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Tot Ion: 65 Resp: 1190875
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 103.8

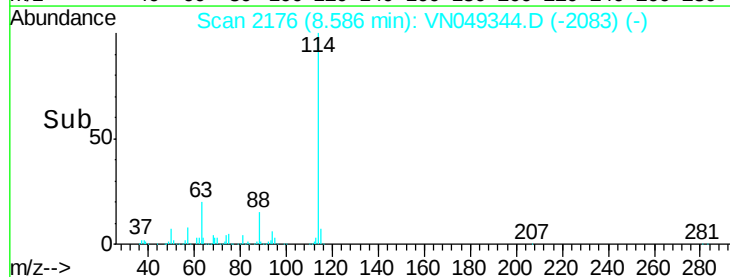
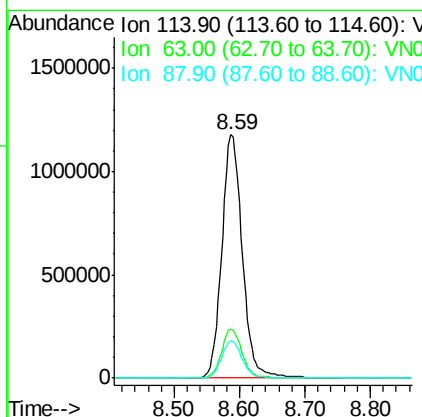
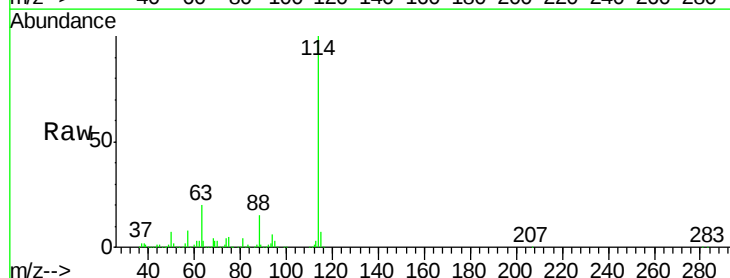
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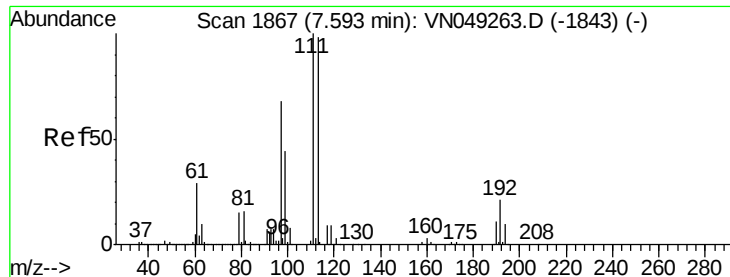
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Tgt Ion: 114 Resp: 2573544
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 44.4
 88 15.2 0.0 31.4





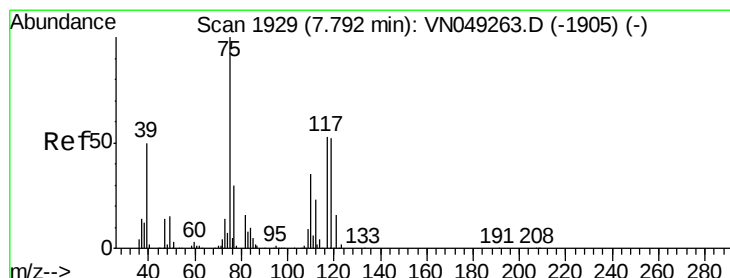
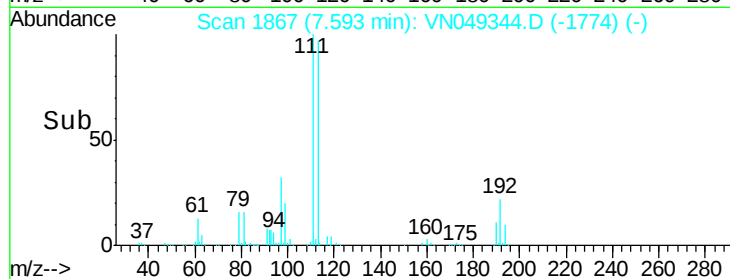
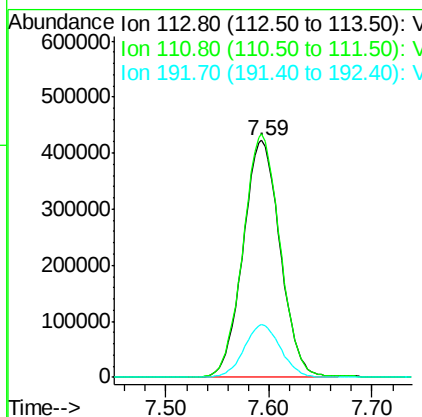
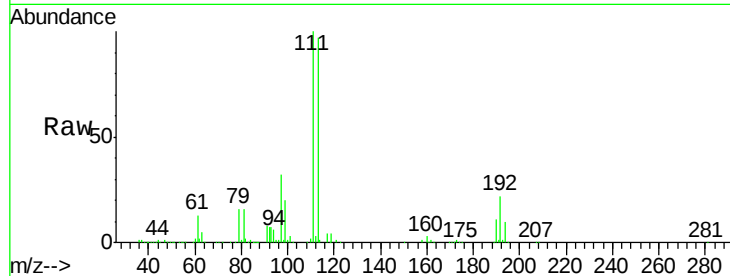
#35
 Dibromofluoromethane
 Concen: 50.685 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.4	123.6
192	22.0	15.0	22.6

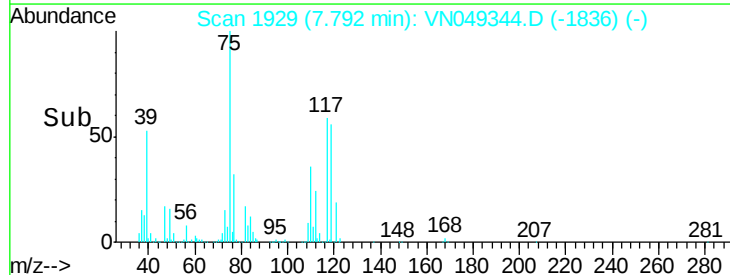
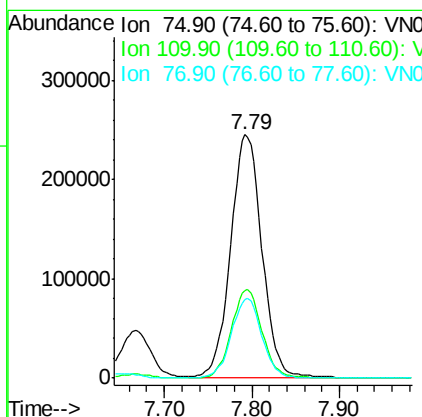
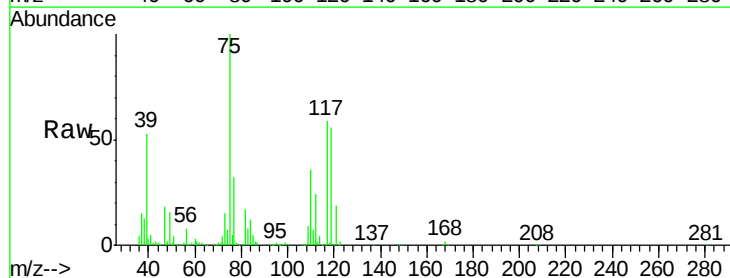
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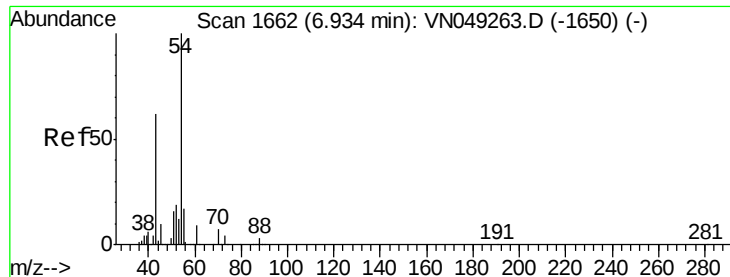
MMDadoda
 6/19/2018 1:55:43 PM



#36
 1,1-Dichloropropene
 Concen: 20.604 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.0	50.9
77	31.8	24.4	36.6





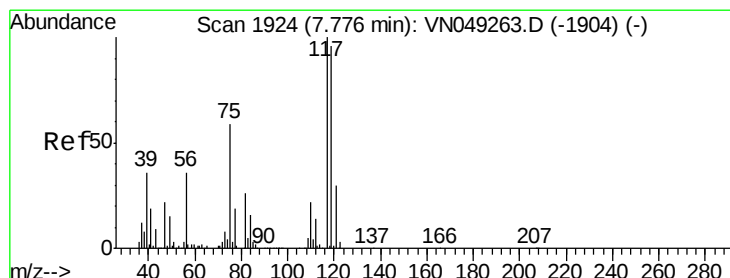
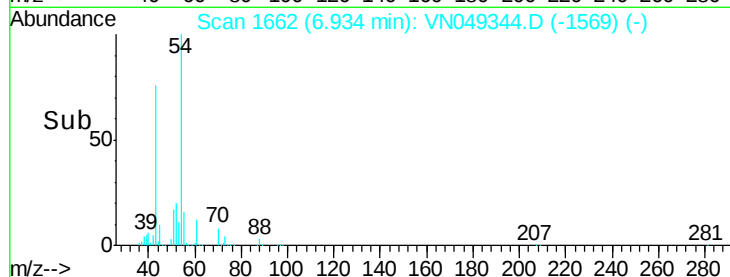
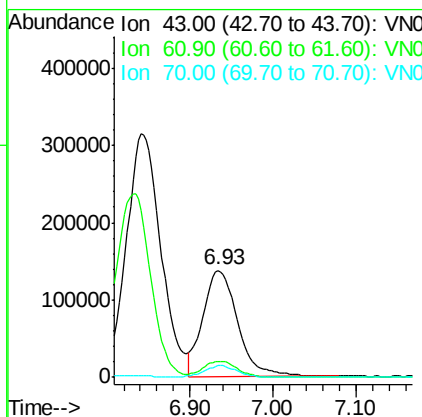
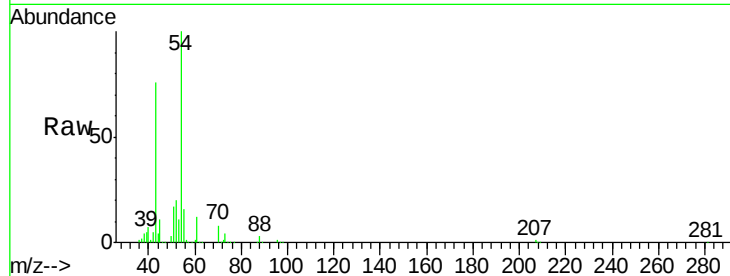
#37
Ethyl Acetate
Concen: 25.067 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.0	16.4
70	9.8	7.2	10.8

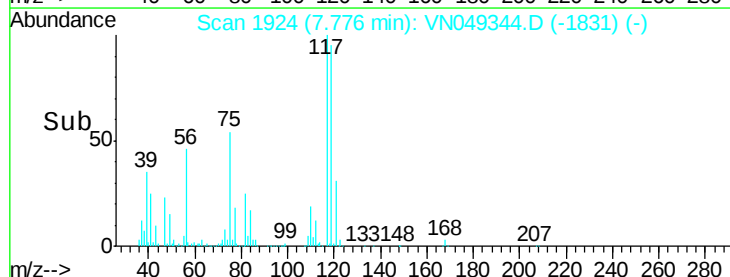
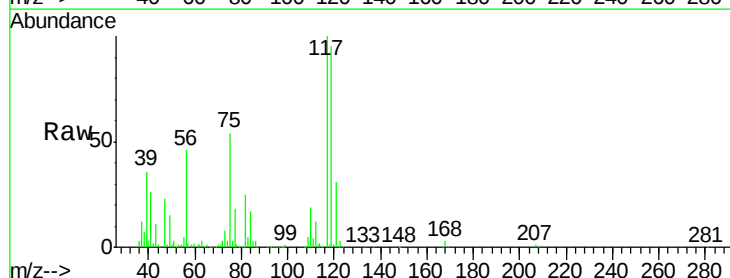
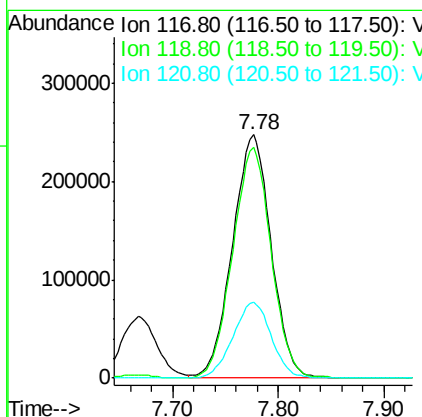
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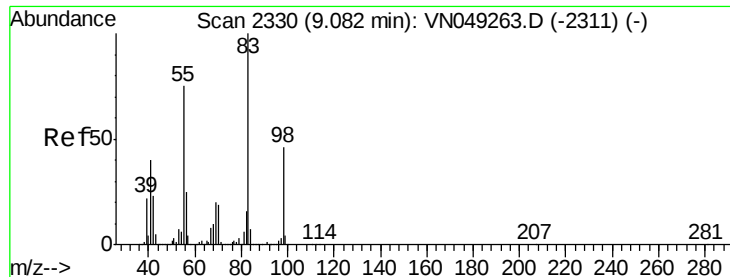
MMDadoda
6/19/2018 1:55:43 PM



#38
Carbon Tetrachloride
Concen: 20.520 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.6	75.6	113.4
121	31.0	24.7	37.1





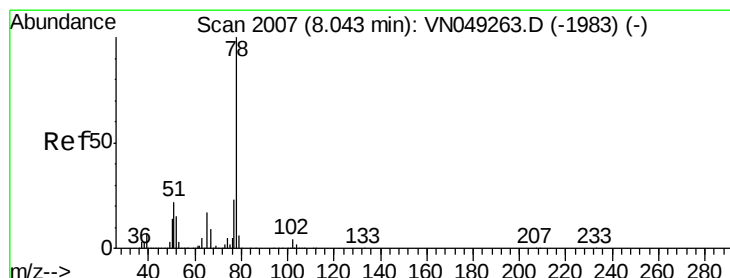
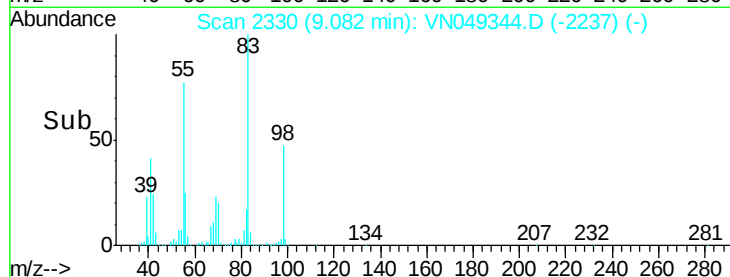
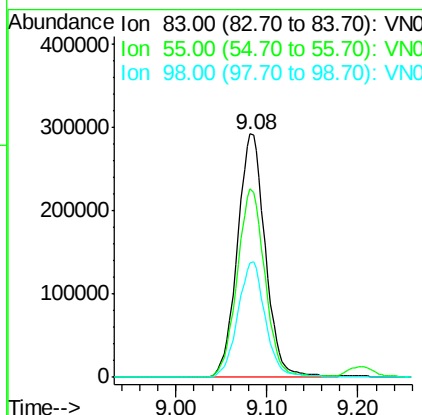
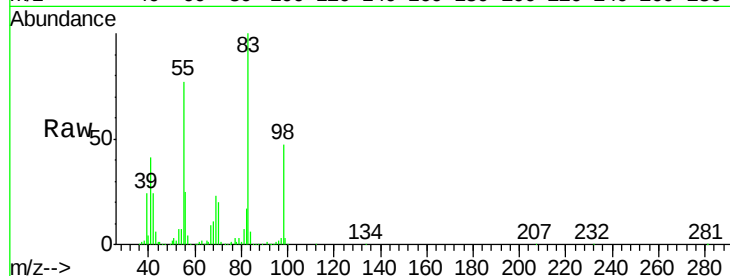
#39
Methvlcvclohexane
Concen: 19.710 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.4	65.1	97.7
98	46.7	36.5	54.7

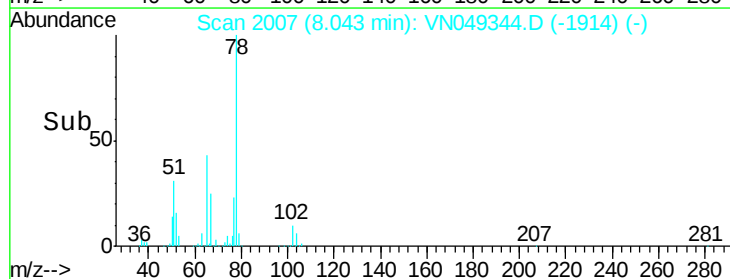
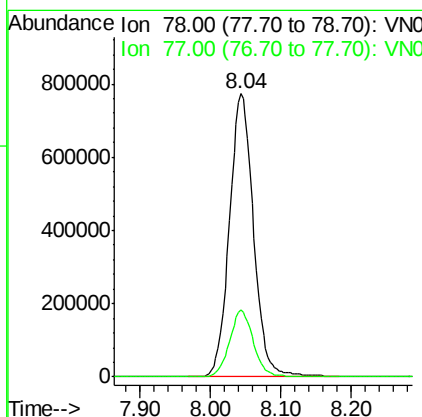
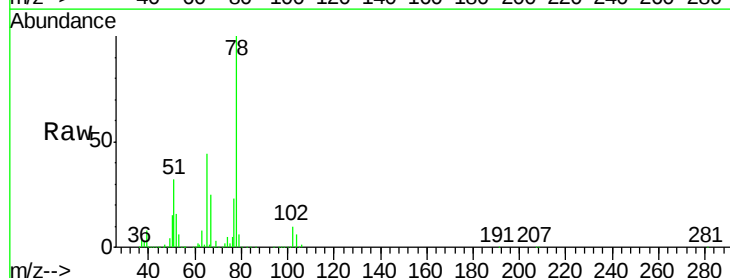
Manual Integrations
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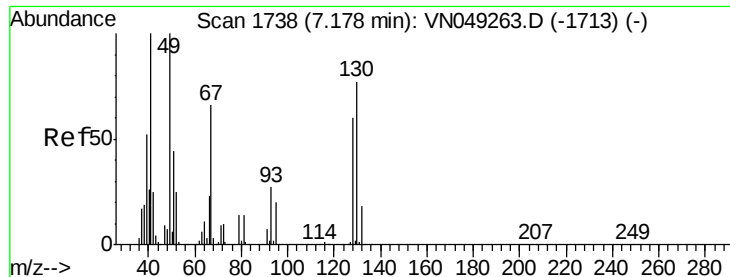
MMDadoda
6/19/2018 1:55:43 PM



#40
Benzene
Concen: 20.461 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.4	29.0





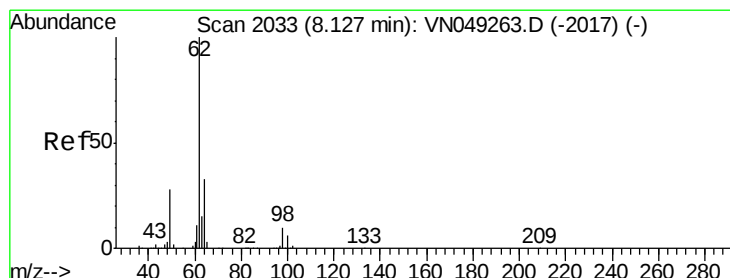
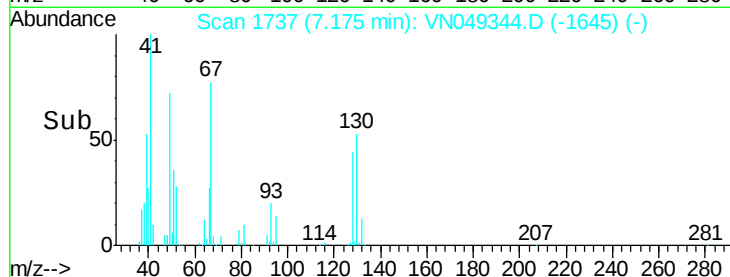
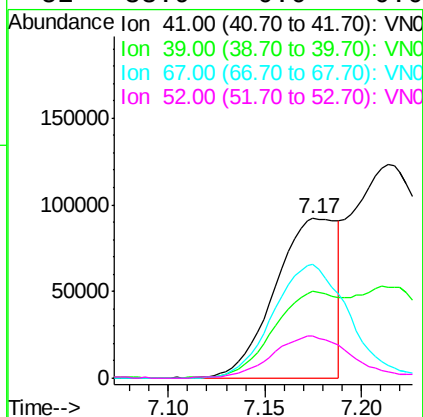
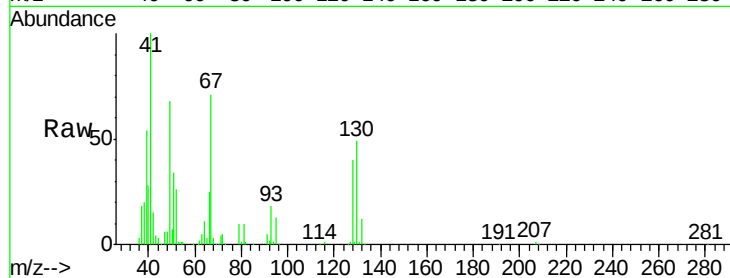
#41
Methacrylonitrile
Concen: 23.632 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	41	Resp	204853
Ion Ratio	Lower	Upper	
41	100		
39	58.6	0.0	0.0#
67	89.8	0.0	0.0#
52	33.9	0.0	0.0#

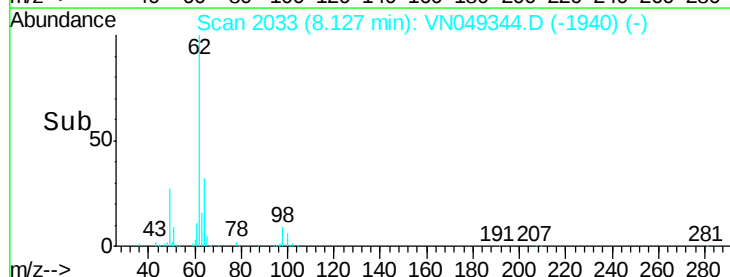
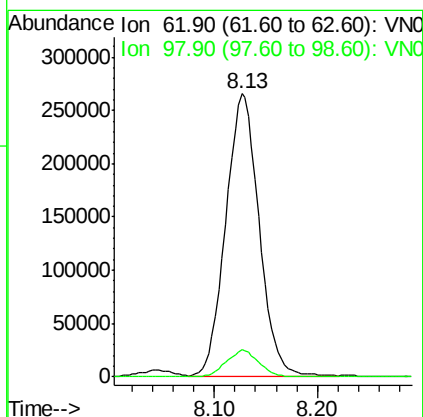
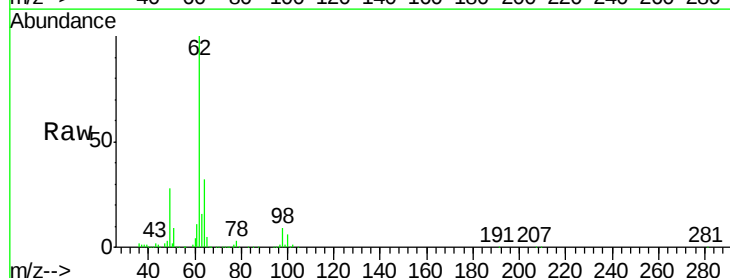
Manual Integrations
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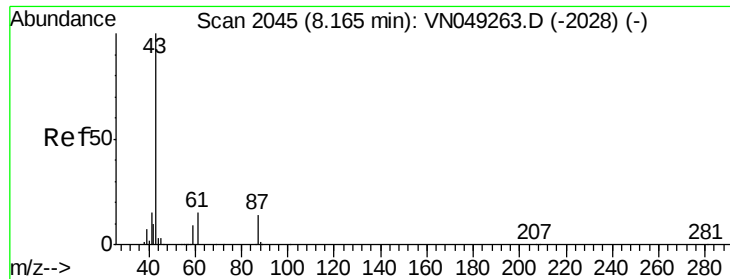
MMDadoda
6/19/2018 1:55:43 PM



#42
1,2-Dichloroethane
Concen: 21.313 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Tgt Ion	62	Resp	595440
Ion Ratio	Lower	Upper	
62	100		
98	9.4	0.0	16.2





#43

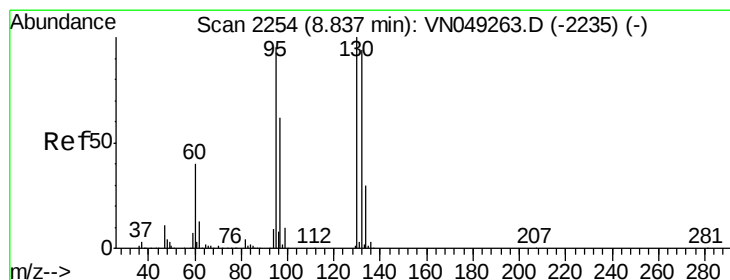
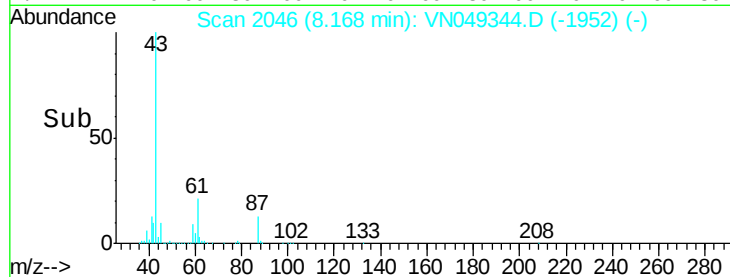
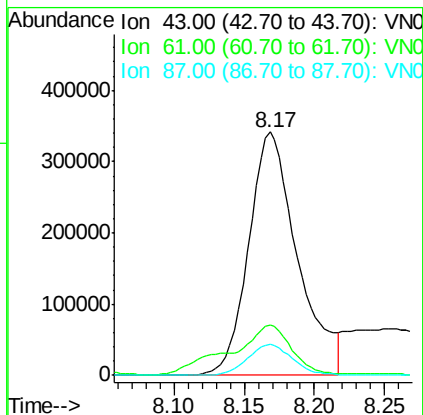
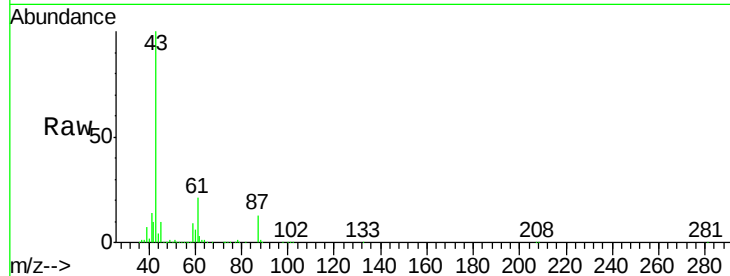
Isopropyl Acetate
 Concen: 26.831 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.4	14.2	21.4#
87	11.8	9.4	14.0

Manual Integrations
 APPROVED

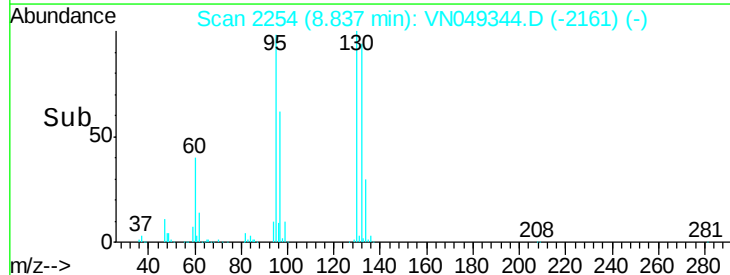
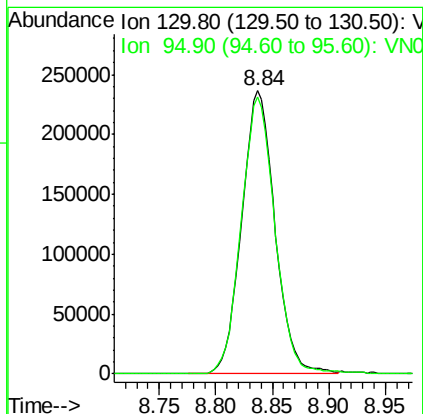
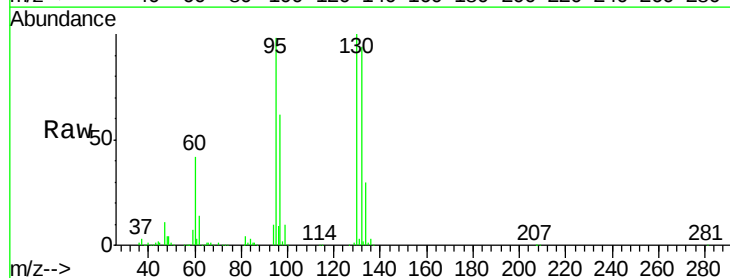
MMDadoda
 6/19/2018 1:55:43 PM

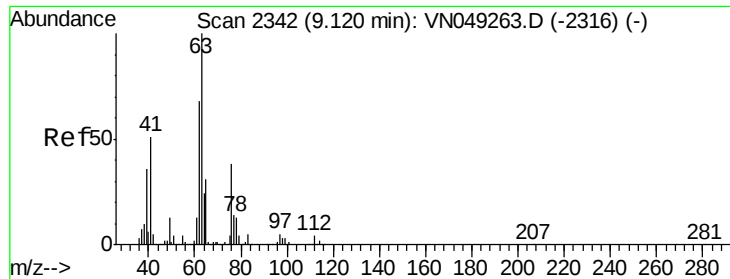


#44

Trichloroethene
 Concen: 20.299 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	208.6





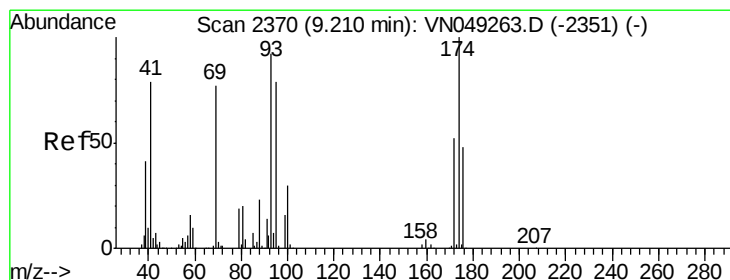
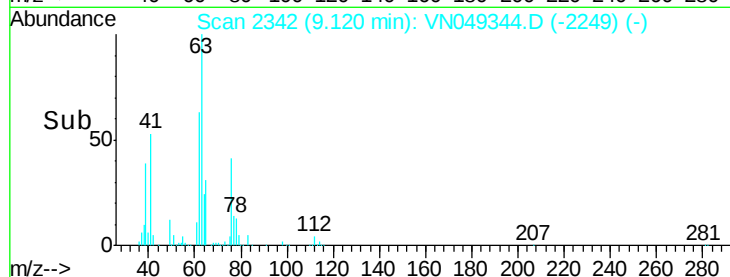
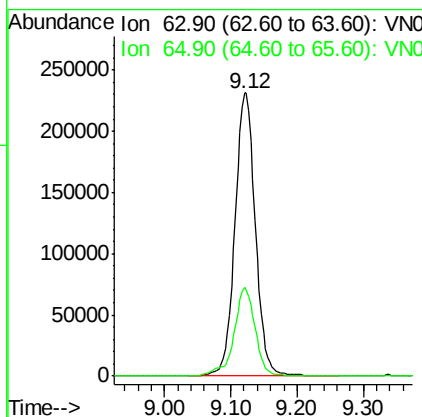
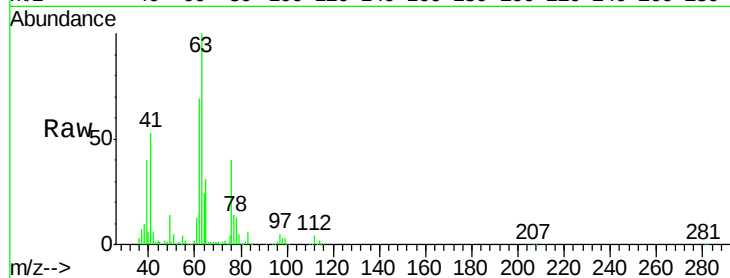
#45
 1,2-Dichloropropane
 Concen: 20.875 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.8	37.2

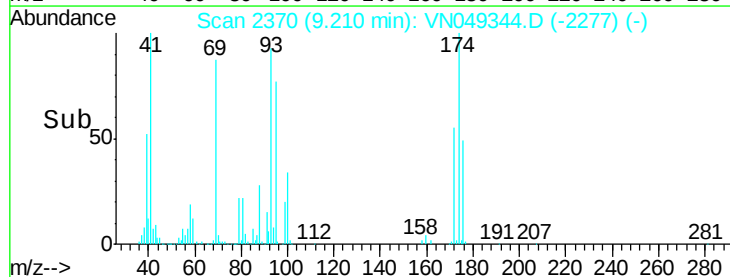
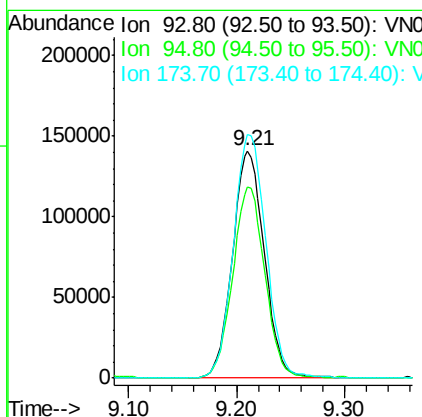
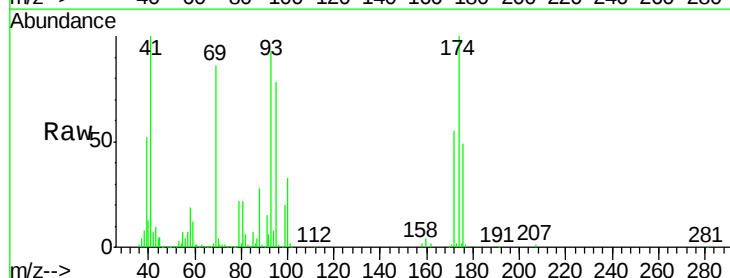
Manual Integrations
 APPROVED

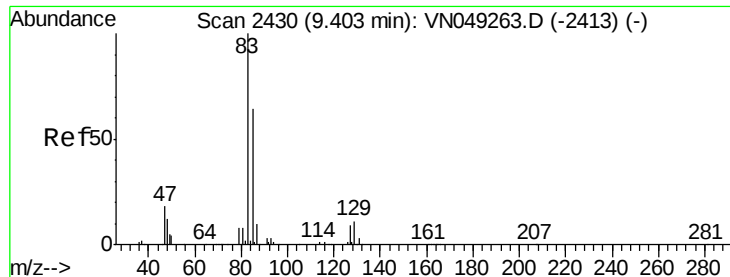
MMDadoda
 6/19/2018 1:55:43 PM



#46
 Dibromomethane
 Concen: 21.178 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	67.2	100.8
174	109.6	75.6	113.4





#47

Bromodichloromethane

Concen: 20.978 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

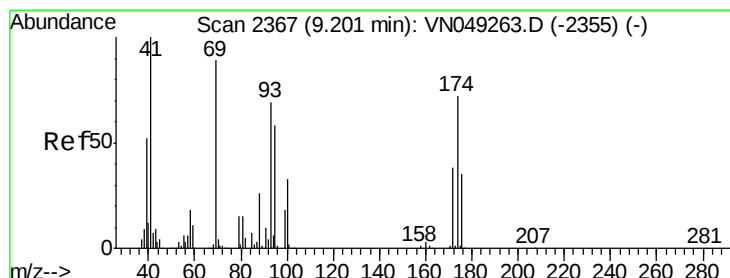
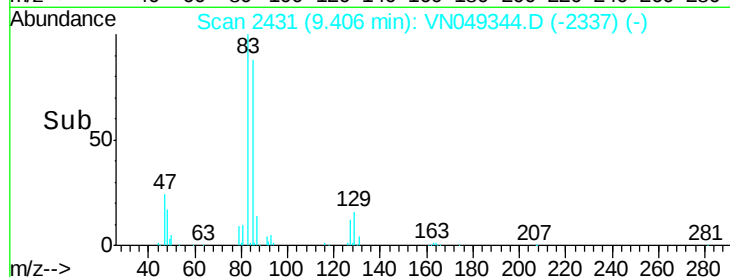
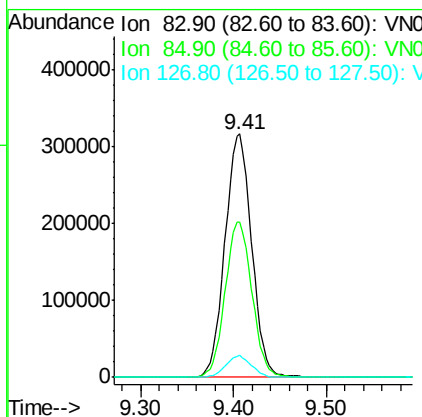
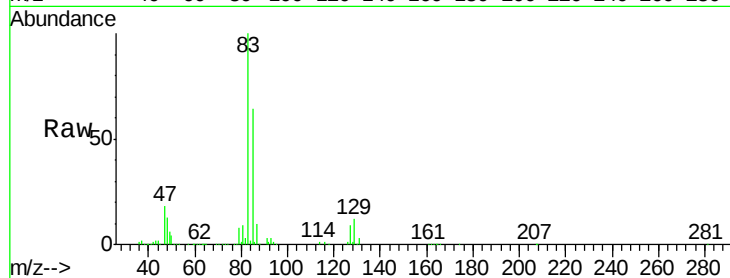
ClientSampleId :

VN0618WBSD01

Tot Ion:	83	Resp:	632899
Ion Ratio	Lower	Upper	
83	100		
85	63.8	49.4	74.0
127	8.9	6.3	9.5

Manual Integrations
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MMDadoda
6/19/2018 1:55:43 PM



#48

Methyl methacrylate

Concen: 24.302 ug/l

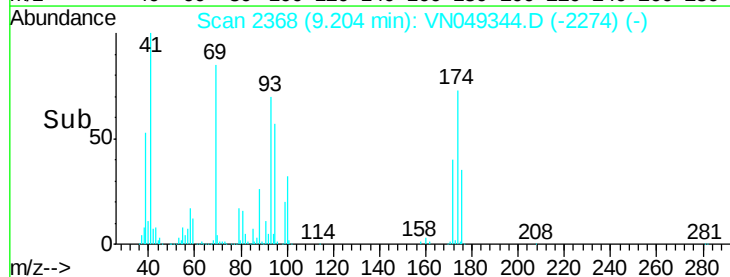
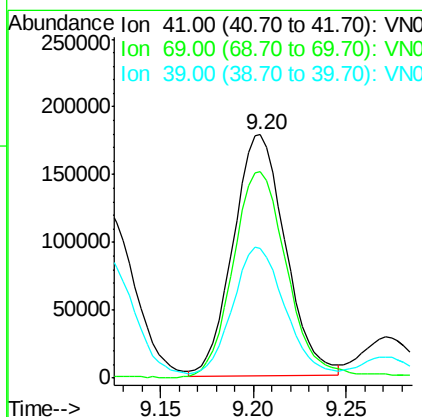
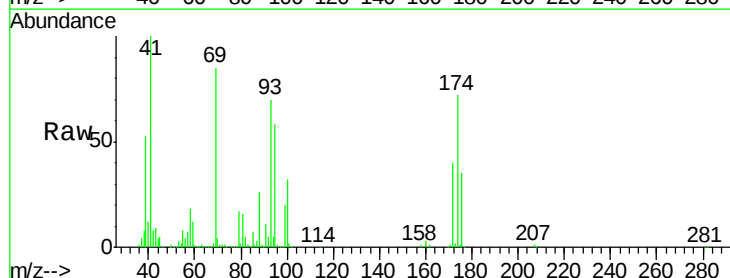
RT: 9.20 min Scan# 2368

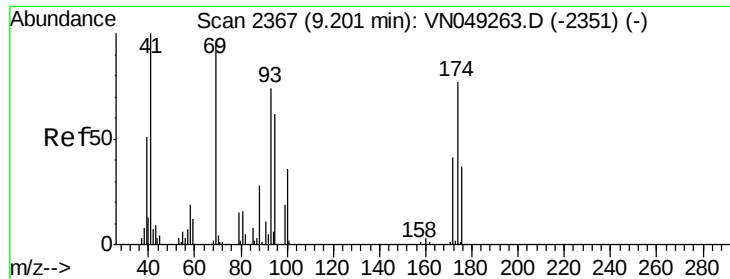
Delta R.T. 0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Tgt Ion:	41	Resp:	350619
Ion Ratio	Lower	Upper	
41	100		
69	88.5	62.0	93.0
39	54.5	50.6	75.8





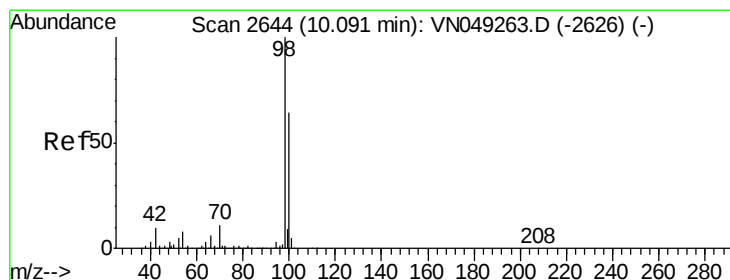
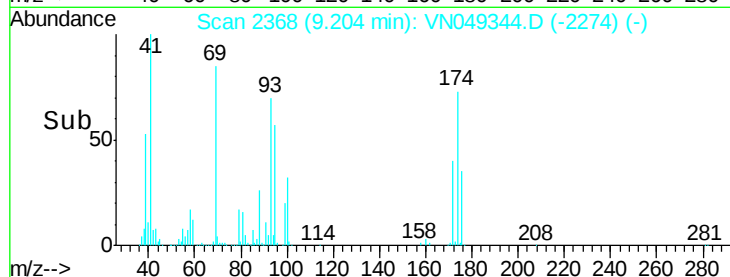
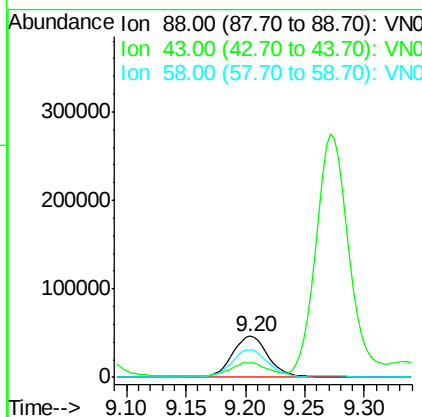
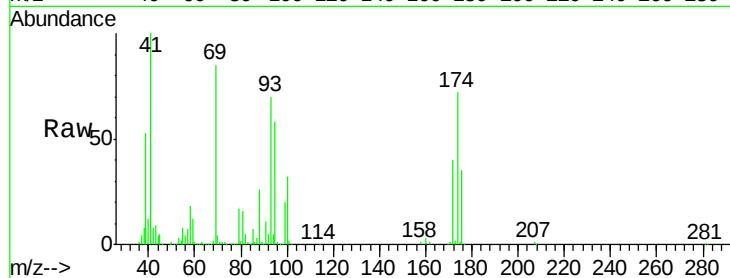
#49
1,4-Dioxane
Concen: 492.320 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	30.9	46.3
58	67.7	58.9	88.3

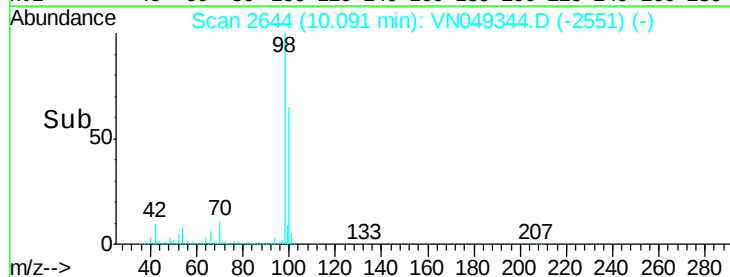
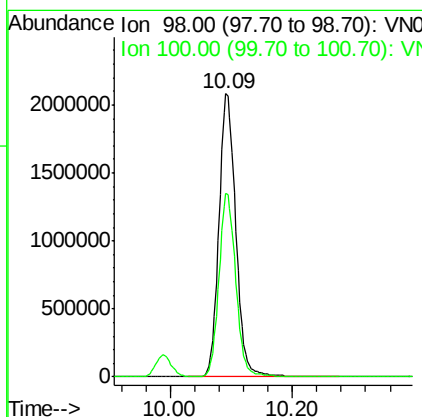
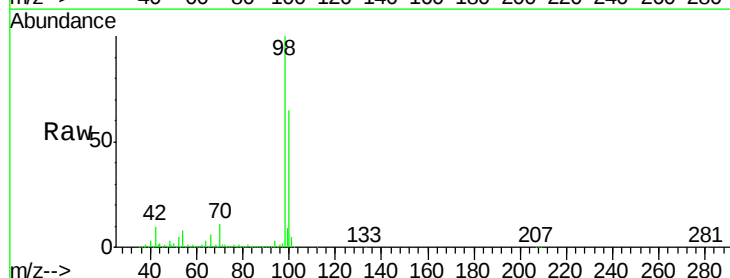
Manual Integrations
APPROVED

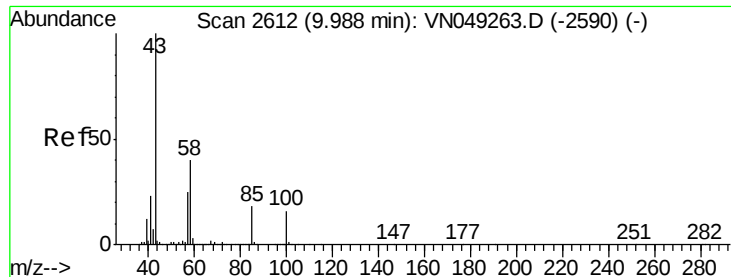
MMDadoda
6/19/2018 1:55:43 PM



#50
Toluene-d8
Concen: 50.135 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	49.8	74.8





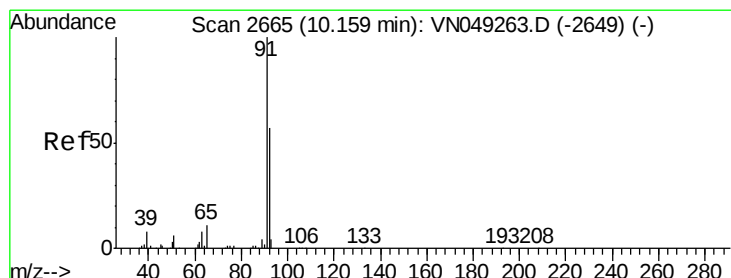
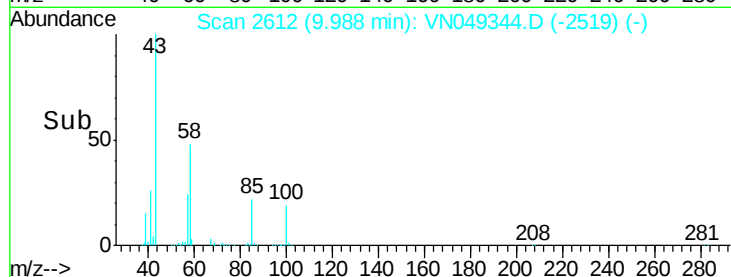
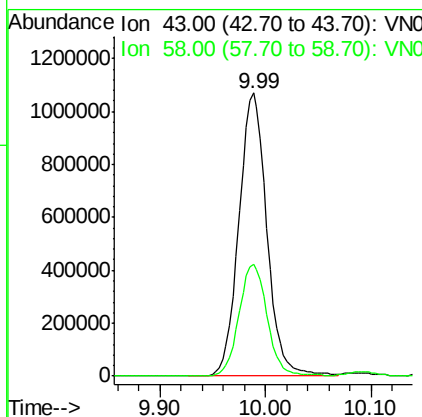
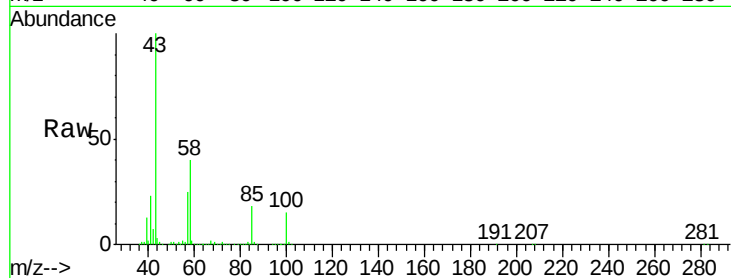
#51
4-Methyl-2-Pentanone
Concen: 122.424 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion: 43 Resp: 1965765
Ion Ratio Lower Upper
43 100
58 40.2 29.0 43.6

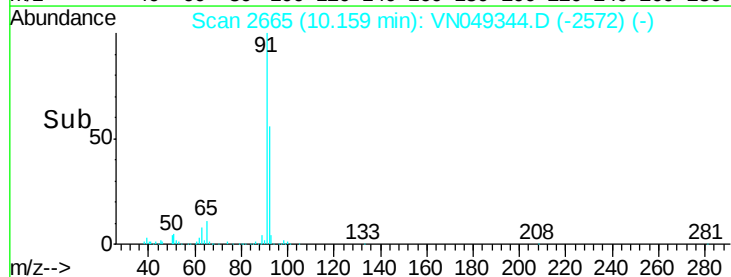
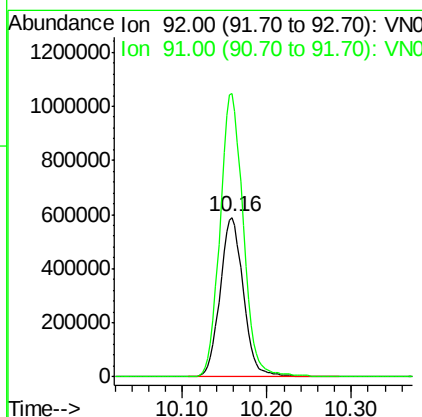
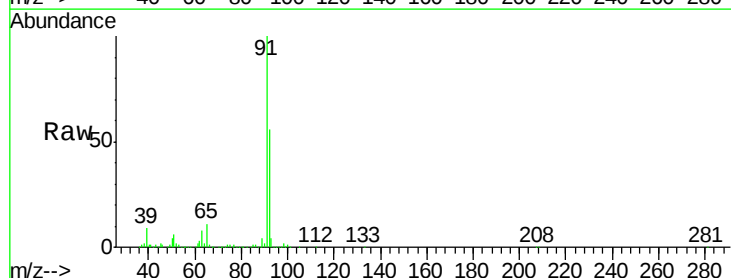
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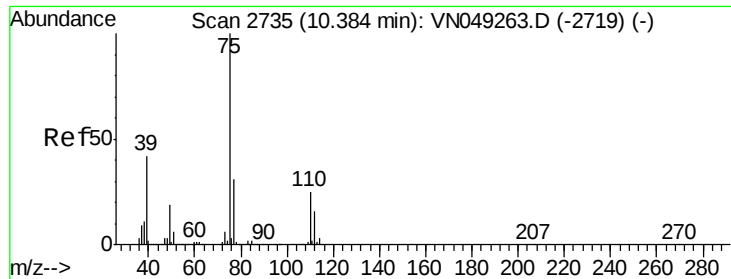
MMDadoda
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#52
Toluene
Concen: 21.257 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Tgt Ion: 92 Resp: 1128171
Ion Ratio Lower Upper
92 100
91 177.6 143.4 215.2





#53

t-1,3-Dichloropropene

Concen: 21.701 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion: 75 Resp: 626318

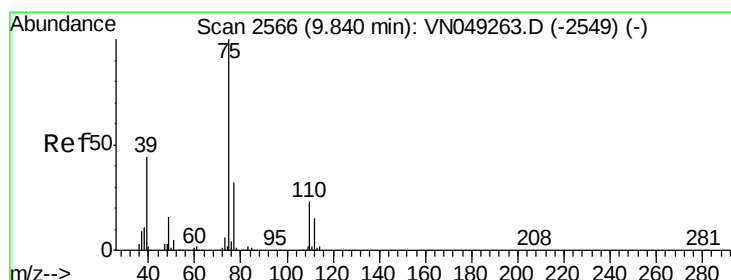
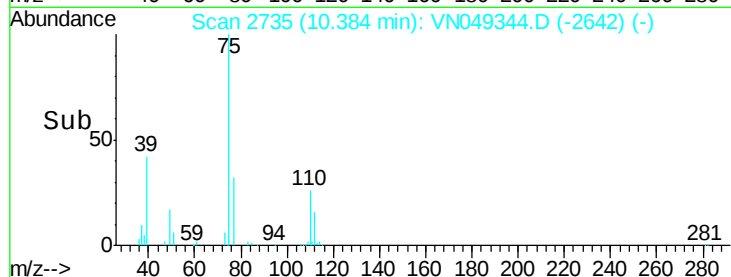
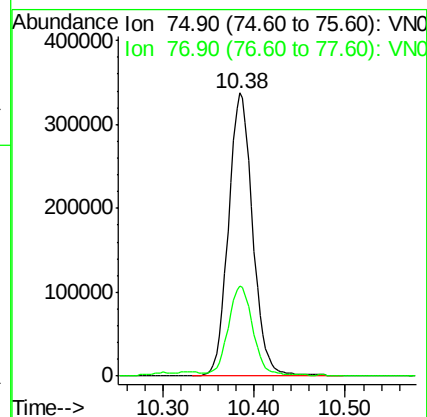
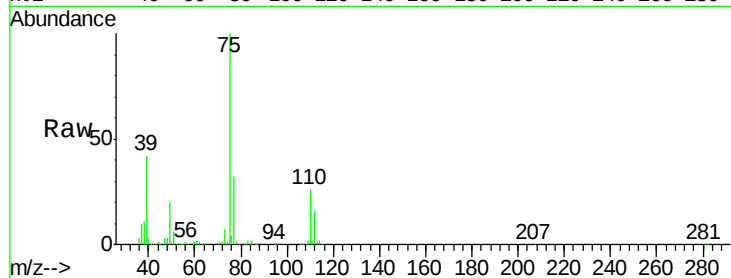
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

Manual Integrations
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#54

cis-1,3-Dichloropropene

Concen: 21.340 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

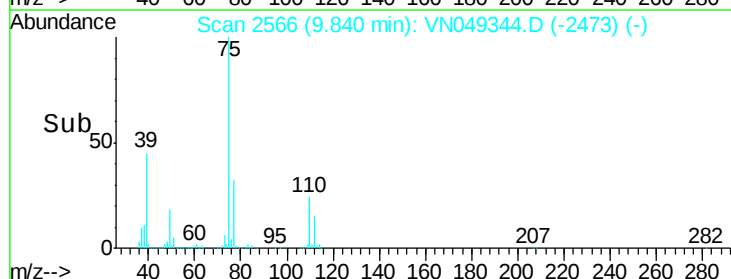
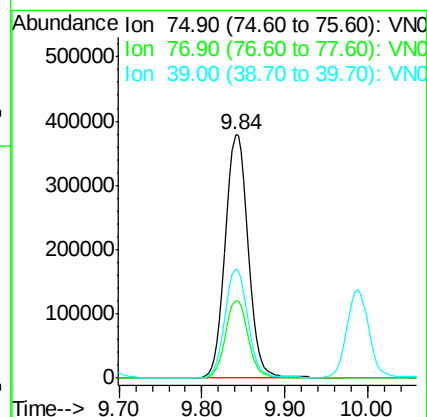
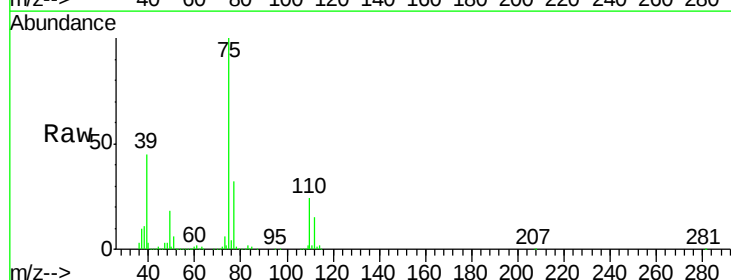
Tgt Ion: 75 Resp: 727210

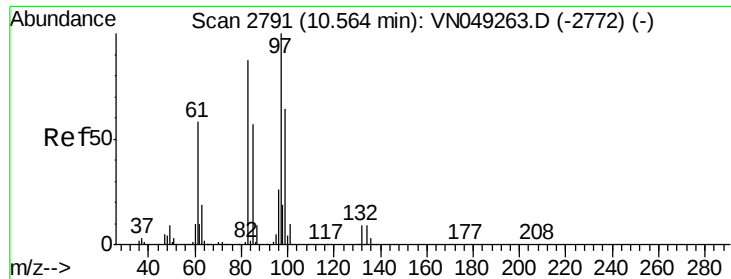
Ion Ratio Lower Upper

75 100

77 31.7 24.8 37.2

39 44.8 45.1 67.7#





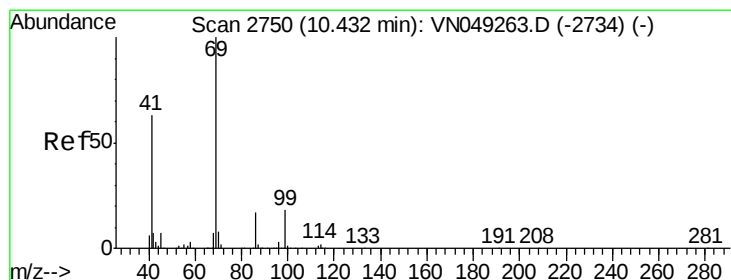
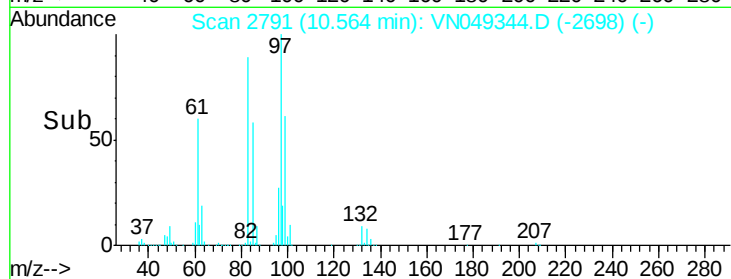
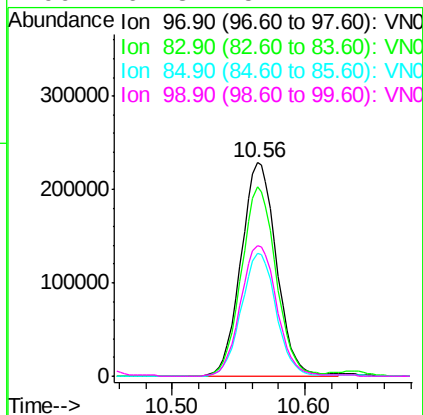
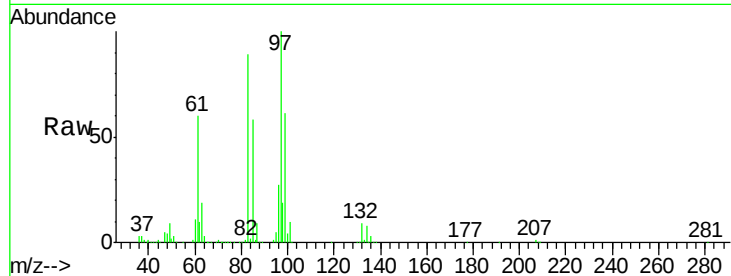
#55
 1,1,2-Trichloroethane
 Concen: 21.447 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.4	71.5	107.3
85	57.6	47.0	70.4
99	61.3	51.4	77.2

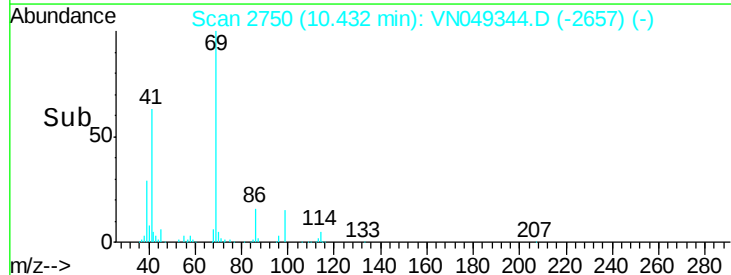
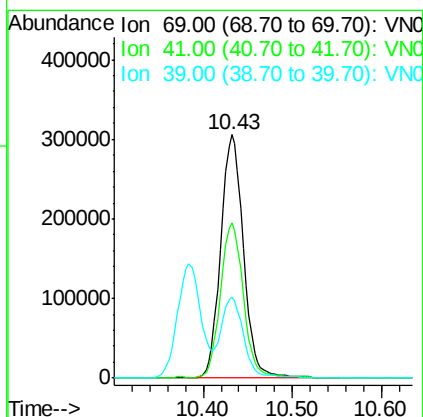
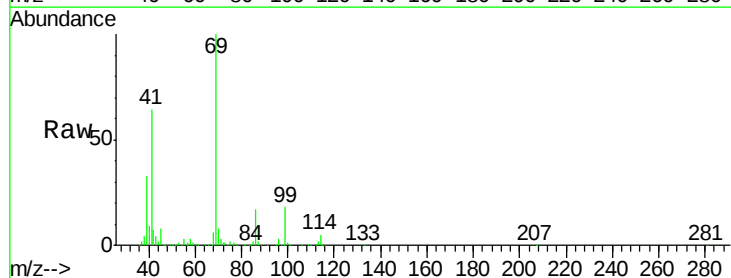
Manual Integrations
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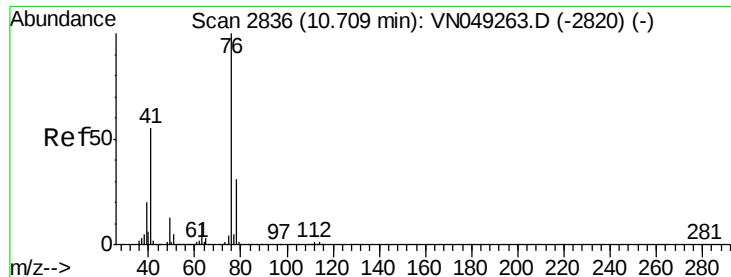
MMDadoda
 6/19/2018 1:55:43 PM



#56
 Ethyl methacrylate
 Concen: 23.751 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. -0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Tgt Ion	Ratio	Lower	Upper
69	100		
41	63.4	58.4	87.6
39	33.1	35.5	53.3#





#57

1,3-Dichloropropane

Concen: 21.763 ug/l

RT: 10.71 min Scan# 2837

Delta R.T. 0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion: 76 Resp: 713318

Ion Ratio Lower Upper

76 100

78 32.2

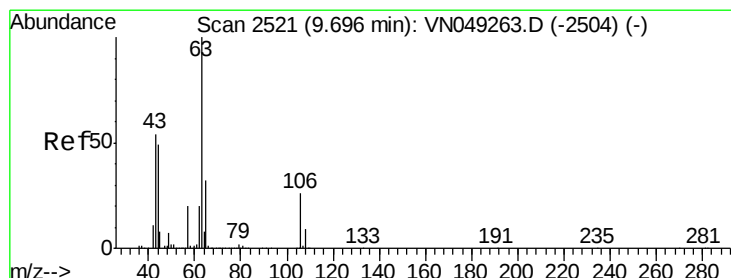
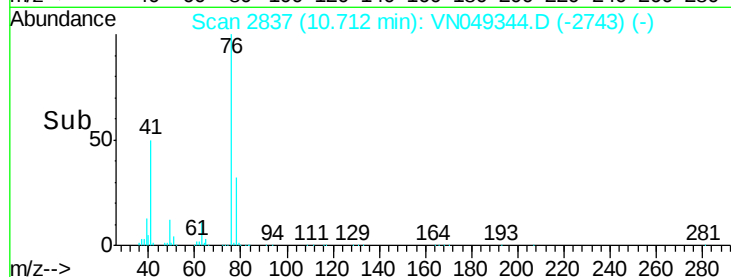
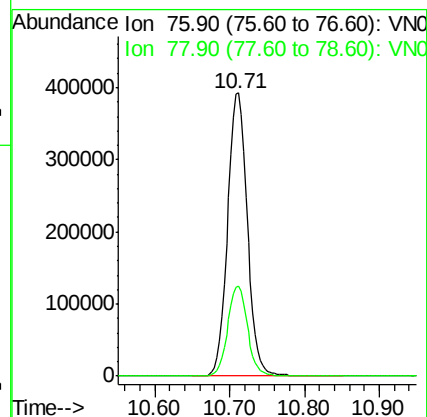
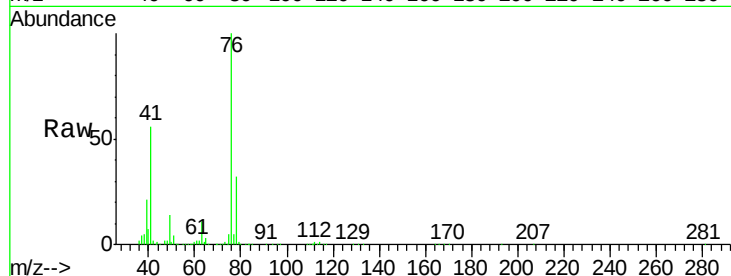
26.3

39.5

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 98.169 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Tgt Ion: 63 Resp: 725770

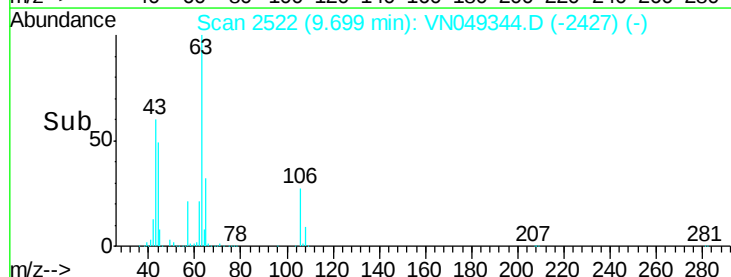
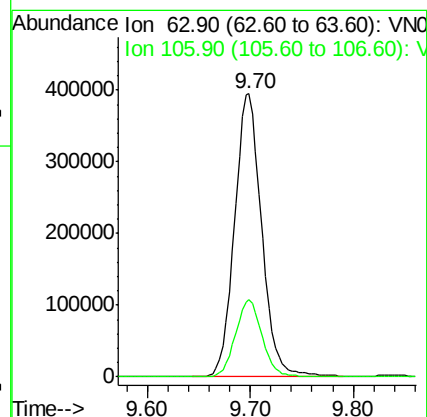
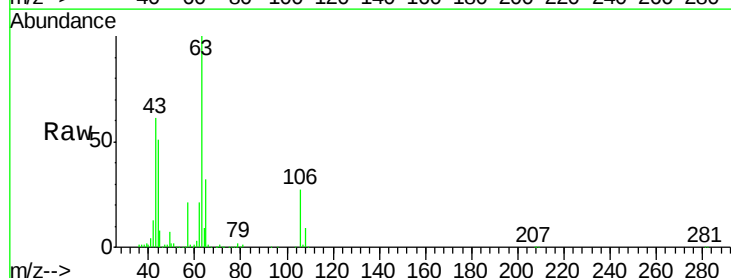
Ion Ratio Lower Upper

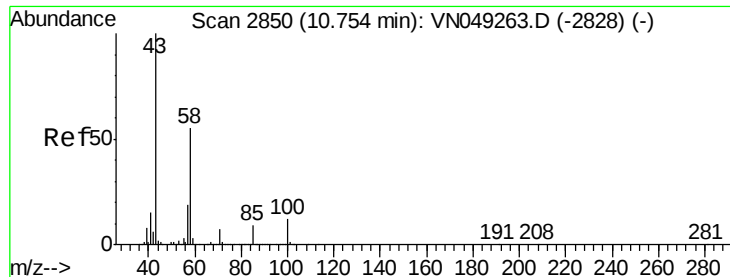
63 100

106 26.7

19.4

29.2





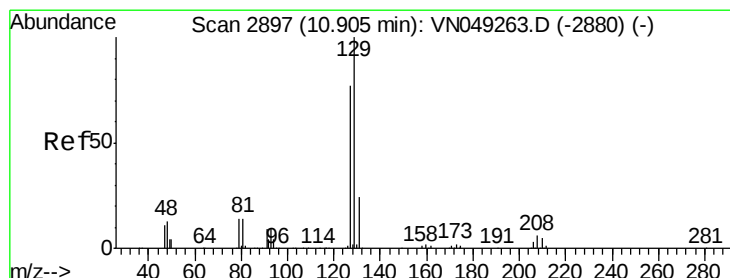
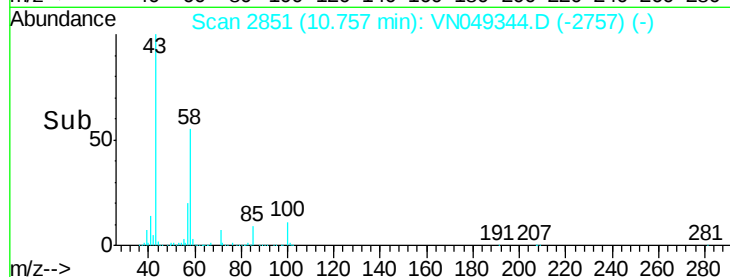
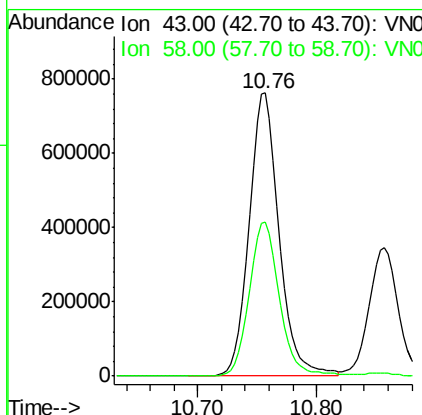
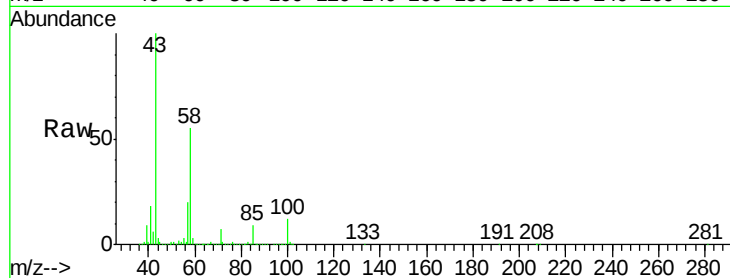
#59
2-Hexanone
Concen: 127.692 ug/l
RT: 10.76 min Scan# 2851
Delta R.T. 0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion: 43 Resp: 1321872
Ion Ratio Lower Upper
43 100
58 55.2 25.2 75.6

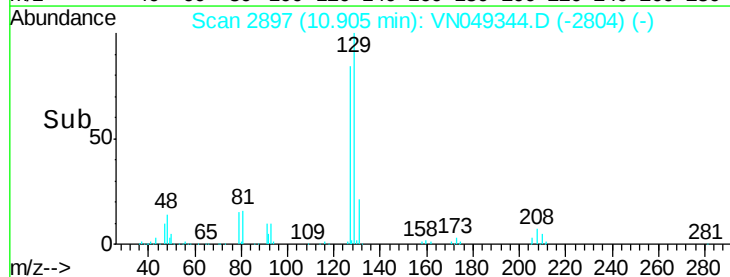
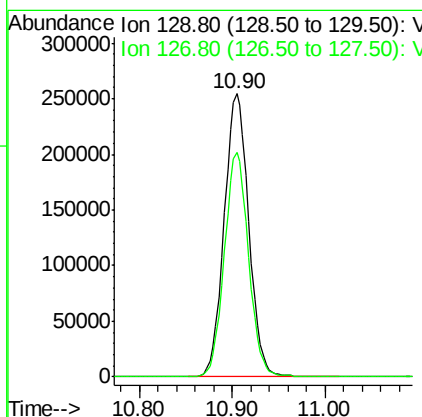
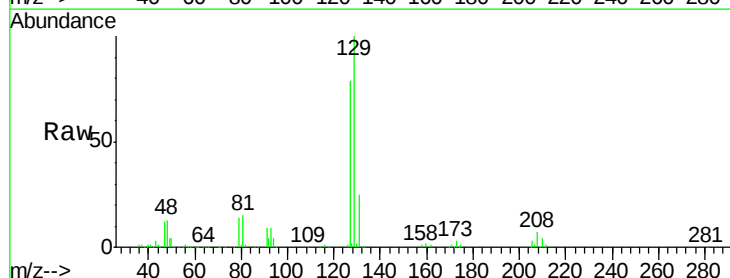
Manual Integrations
APPROVED

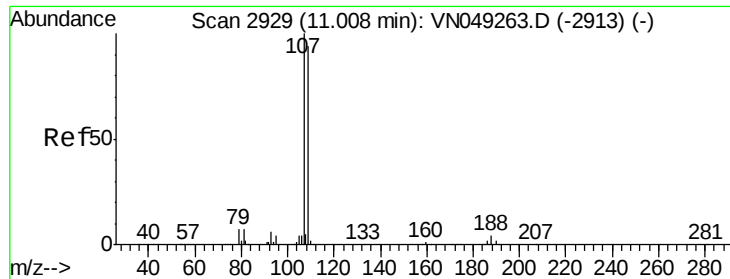
MMDadoda
6/19/2018 1:55:43 PM



#60
Dibromochloromethane
Concen: 21.167 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Tgt Ion: 129 Resp: 467430
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.2





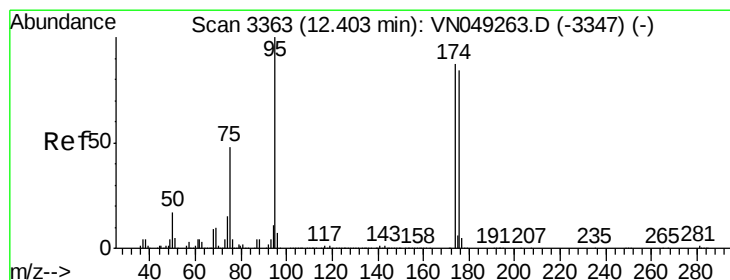
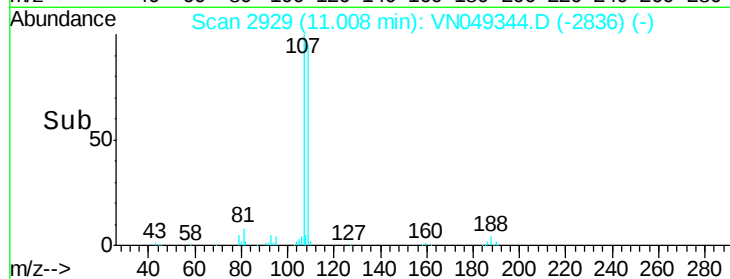
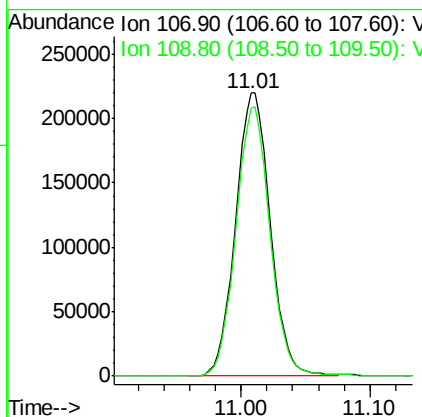
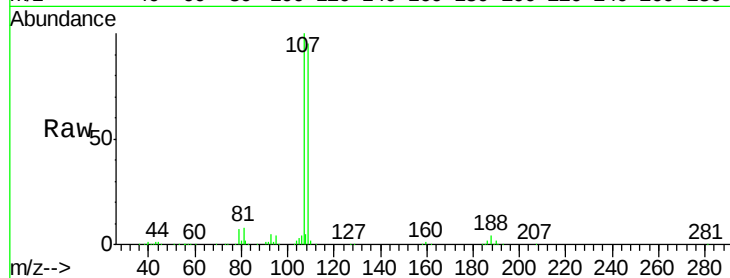
#61
 1,2-Dibromoethane
 Concen: 22.333 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.4	113.2

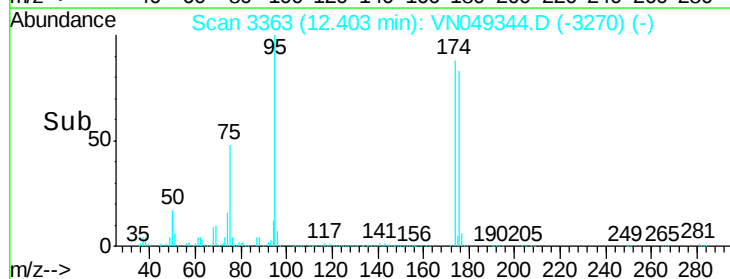
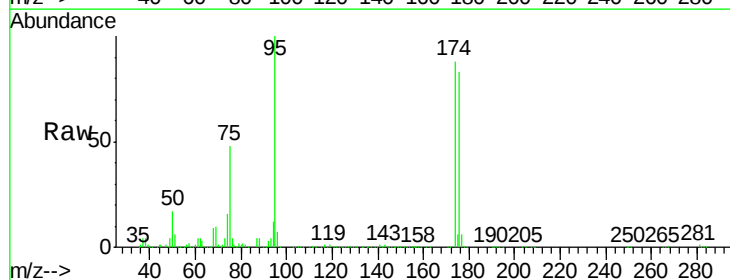
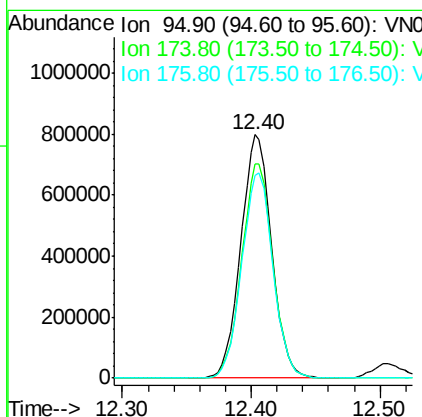
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 50.429 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	165.6
176	85.5	0.0	157.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion:117 Resp: 2299539

Ion Ratio Lower Upper

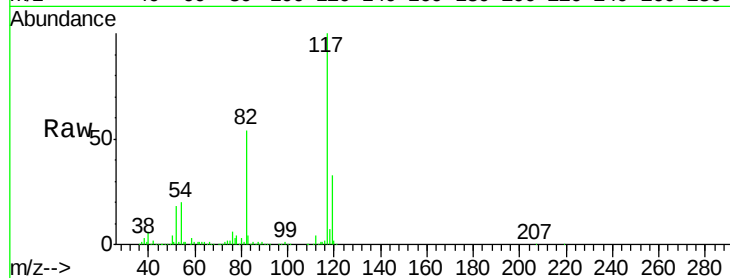
117 100

82 54.1 45.9 68.9

119 32.6 25.5 38.3

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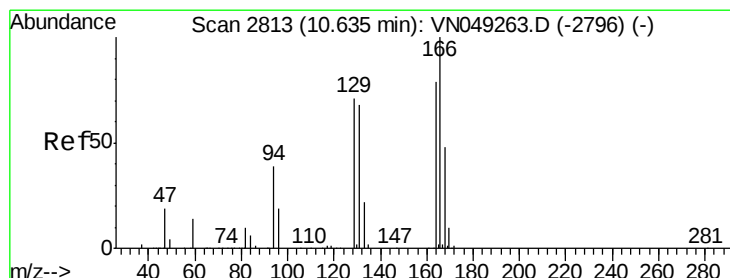
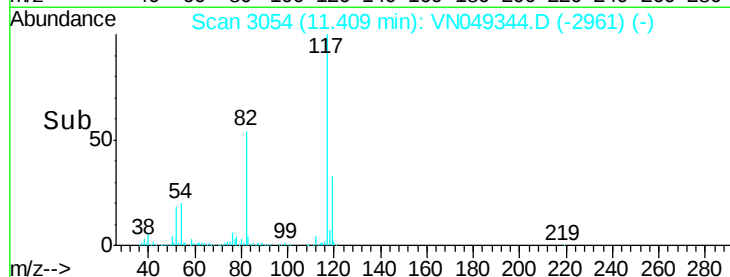
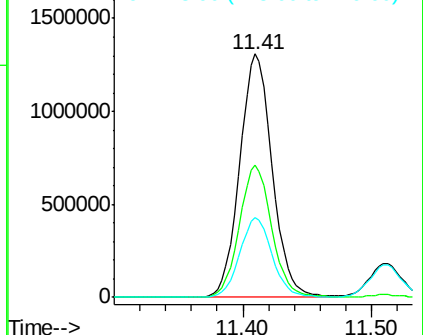
MMDadoda
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Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 19.586 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Tgt Ion:164 Resp: 461514

Ion Ratio Lower Upper

164 100

166 128.7 101.4 152.2

129 92.5 74.1 111.1

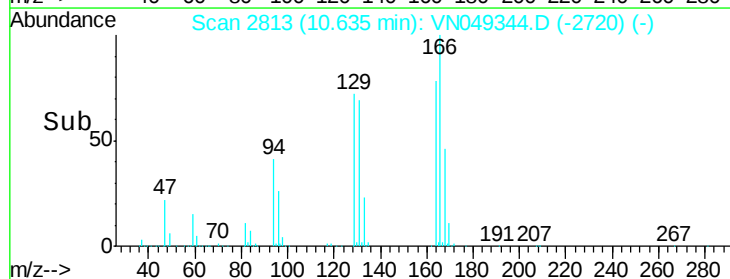
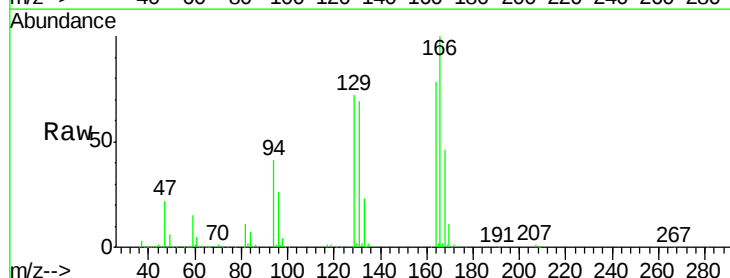
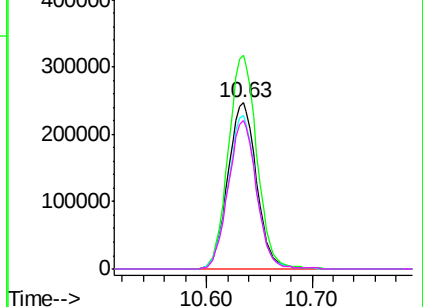
131 89.4 73.7 110.5

Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





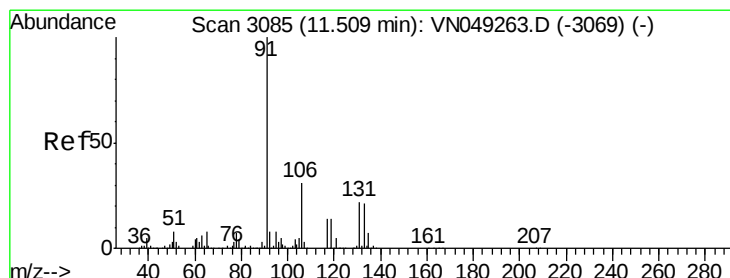
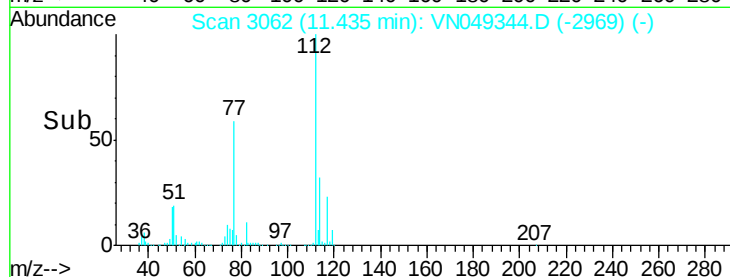
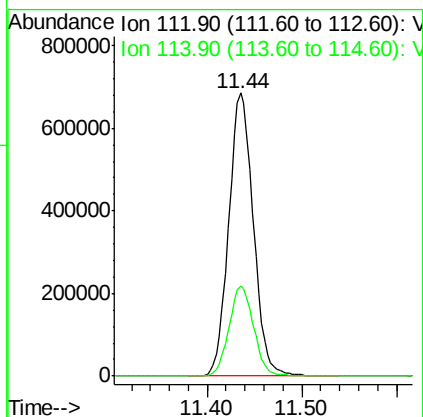
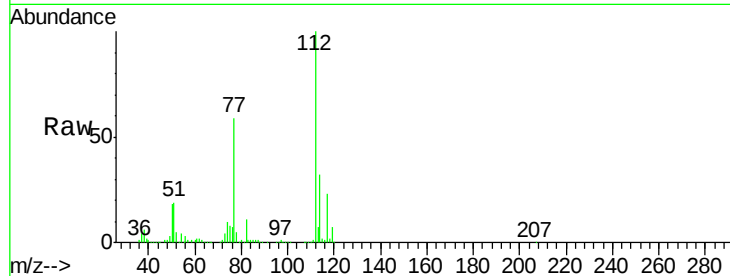
#65
Chlorobenzene
Concen: 20.897 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion:112 Resp: 1237881
Ion Ratio Lower Upper
112 100
114 31.8 26.2 39.4

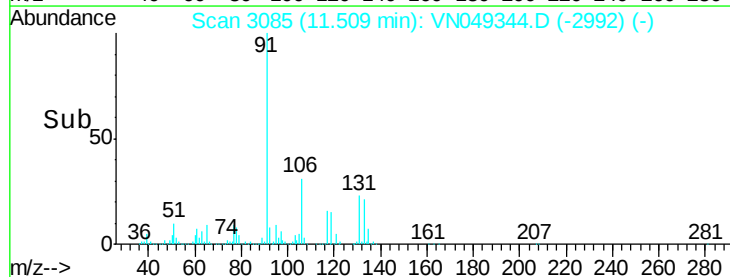
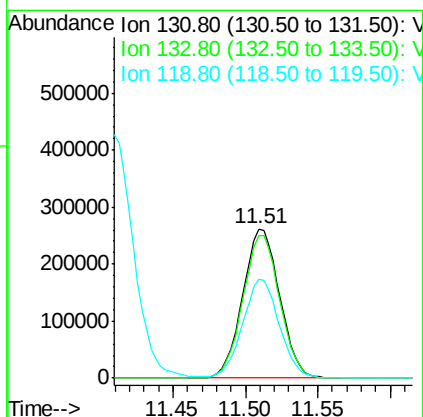
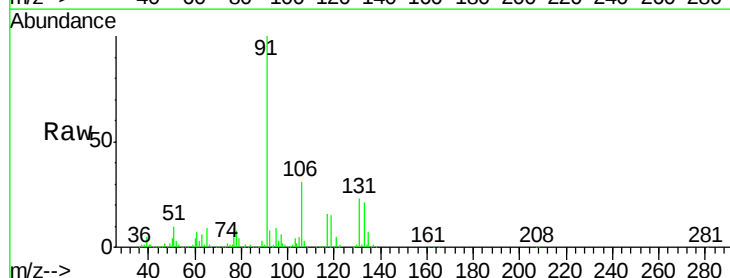
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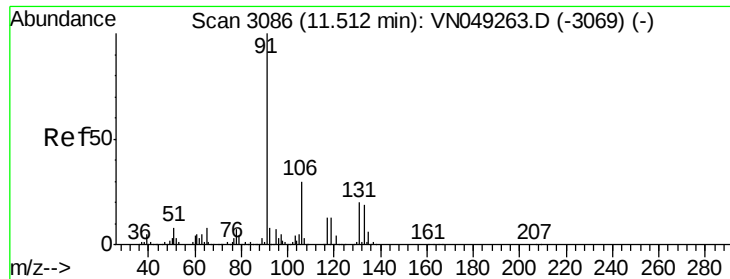
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.862 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Tgt Ion:131 Resp: 465056
Ion Ratio Lower Upper
131 100
133 95.4 48.0 144.2
119 65.9 33.6 100.8





#67

Ethyl Benzene

Concen: 21.416 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion: 91 Resp: 2104321

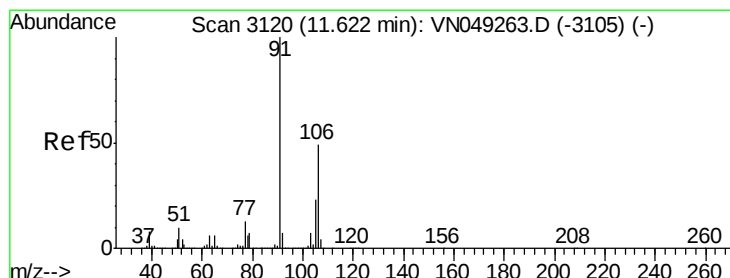
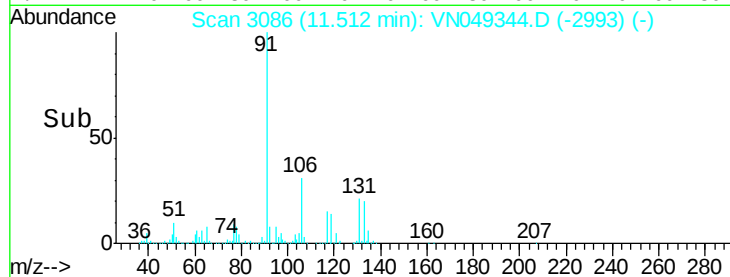
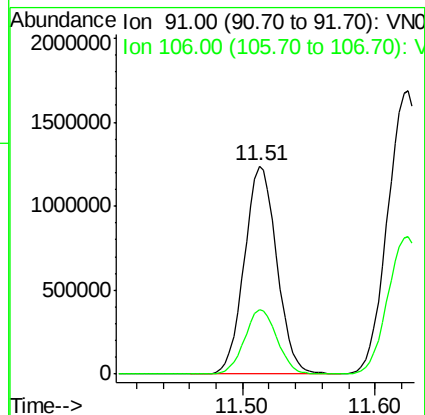
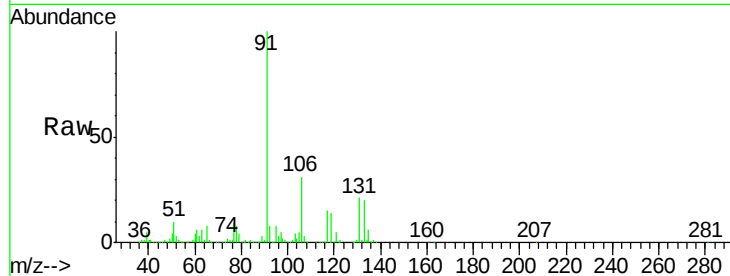
Ion Ratio Lower Upper

91 100

106 31.0 23.9 35.9

Manual Integrations
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#68

m/p-Xylenes

Concen: 43.488 ug/l

RT: 11.62 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049344.D

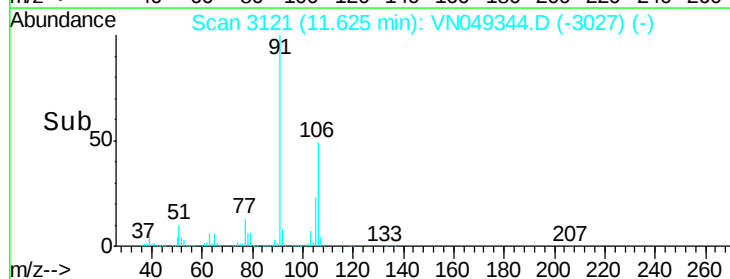
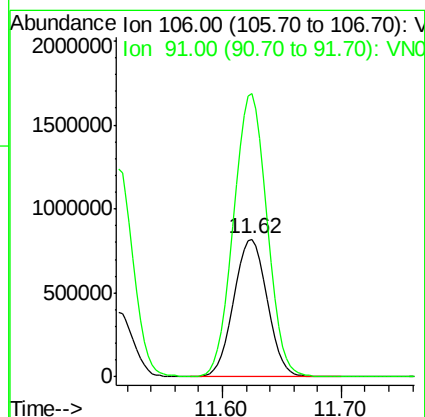
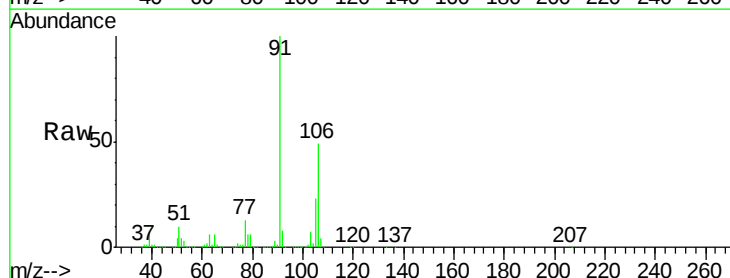
Acq: 18 Jun 2018 15:38

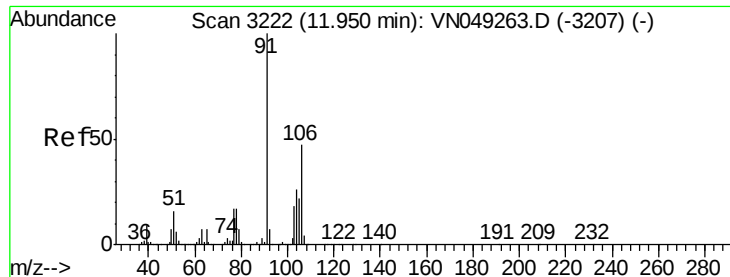
Tgt Ion: 106 Resp: 1603631

Ion Ratio Lower Upper

106 100

91 205.0 167.3 250.9





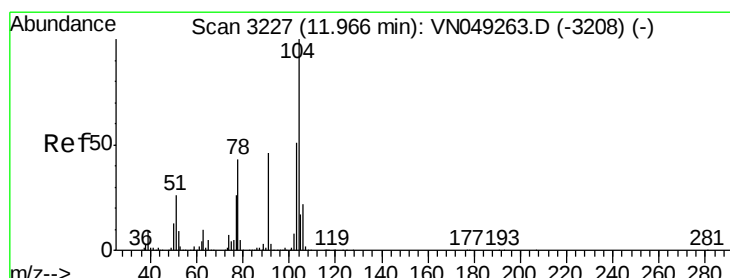
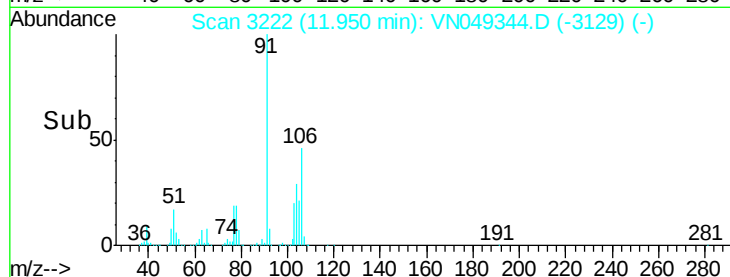
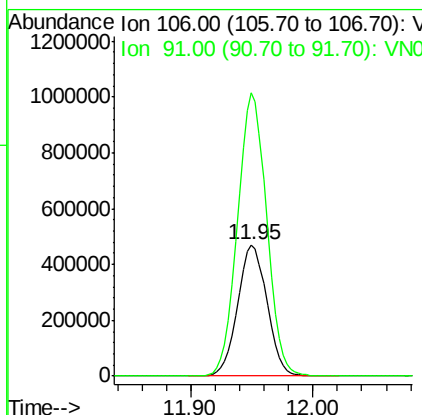
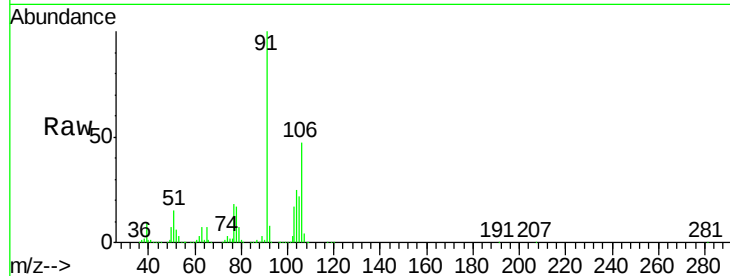
#69
o-Xylene
Concen: 21.962 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	780001		
91	91	213.9	111.0	333.0	

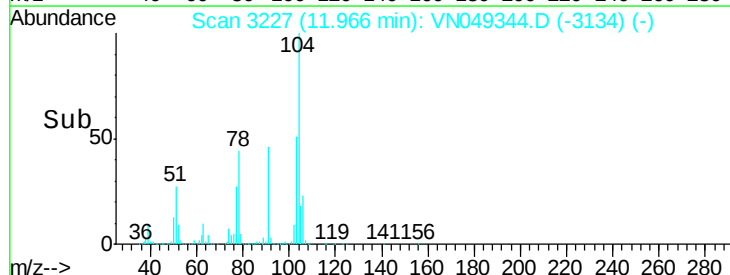
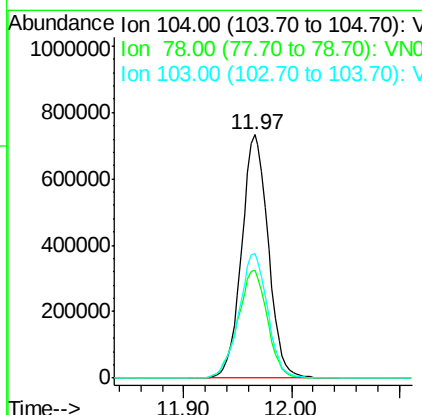
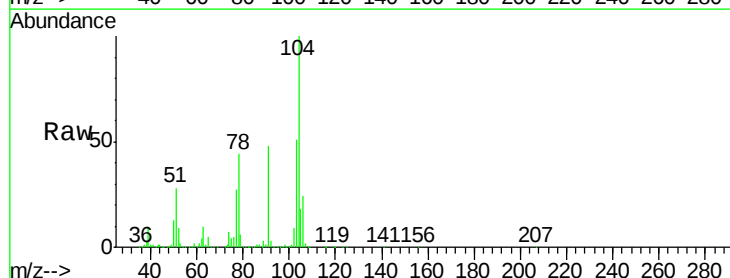
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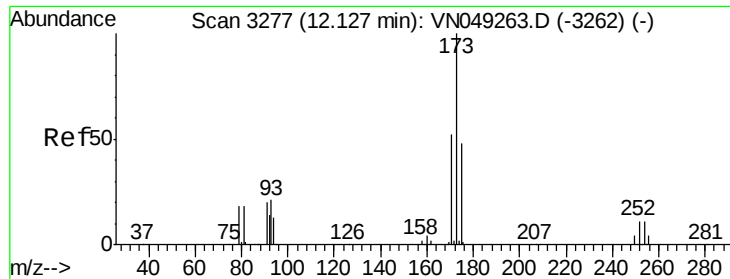
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#70
Styrene
Concen: 22.458 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	49.2	41.6	62.4
103	103	55.4	45.4	68.2





#71

Bromoform

Concen: 22.072 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion:173 Resp: 318498

Ion Ratio Lower Upper

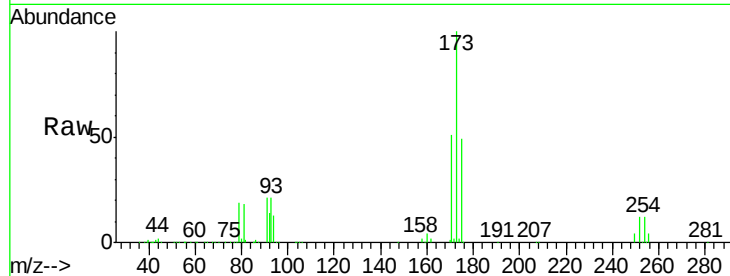
173 100

175 48.9 24.5 73.5

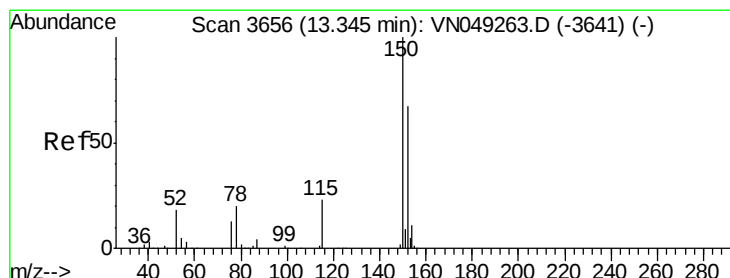
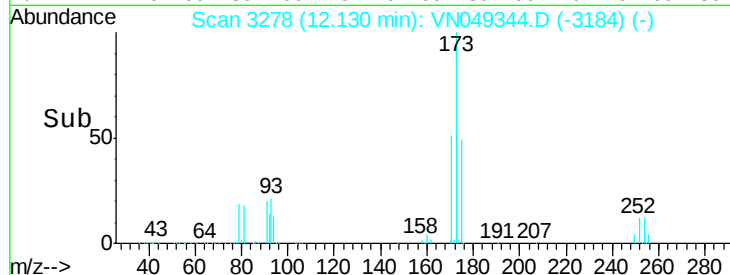
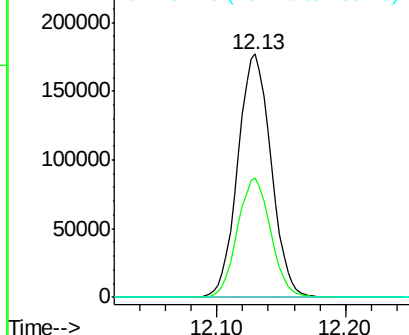
254 0.2 0.1 0.1#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

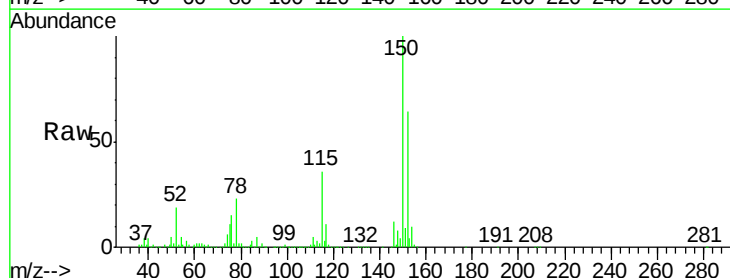
Tgt Ion:152 Resp: 1138086

Ion Ratio Lower Upper

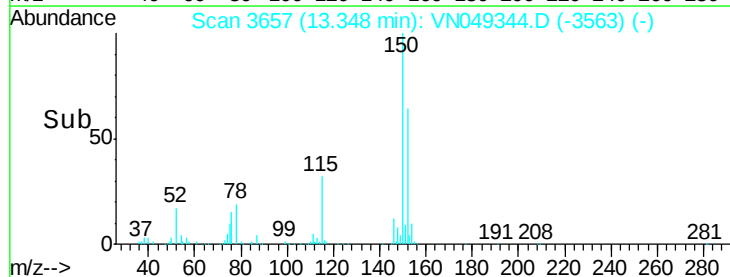
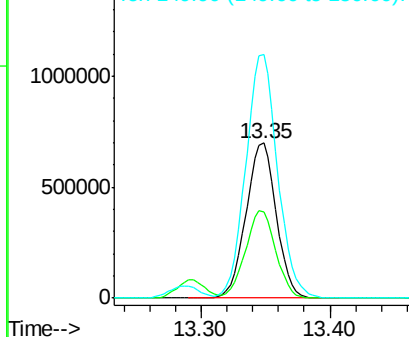
152 100

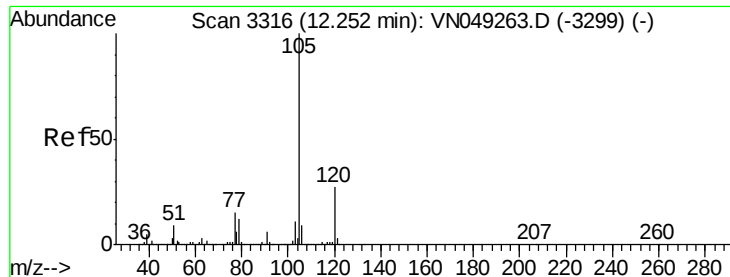
115 56.7 28.7 86.1

150 165.0 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.775 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion:105 Resp: 2076011

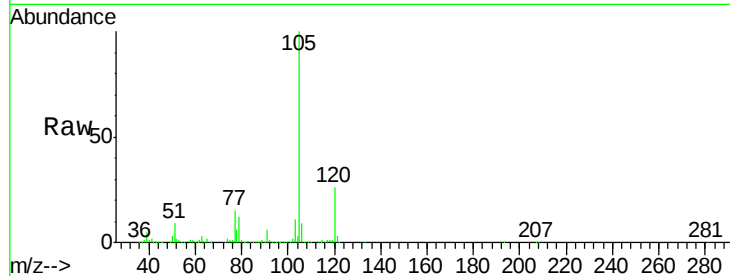
Ion Ratio Lower Upper

105 100

120 26.4 12.8 38.3

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

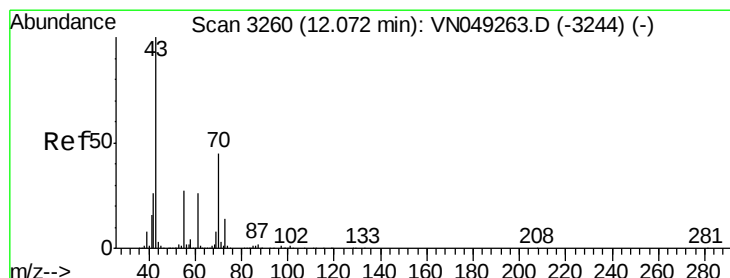
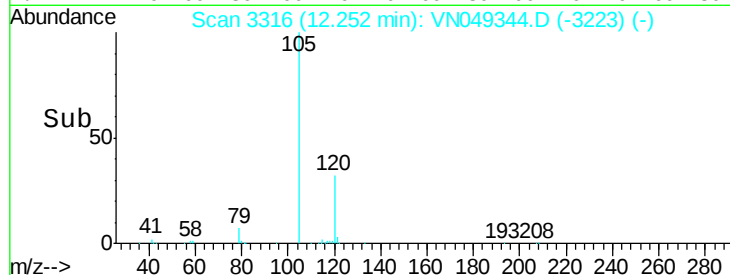
1500000

1000000

500000

0

Time-->



#74

N-ethyl acetate

Concen: 23.531 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Tgt Ion: 43 Resp: 575937

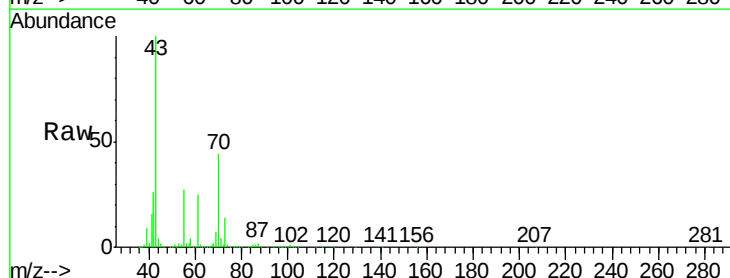
Ion Ratio Lower Upper

43 100

70 43.4 30.3 45.5

55 26.0 19.4 29.2

61 24.9 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

500000

400000

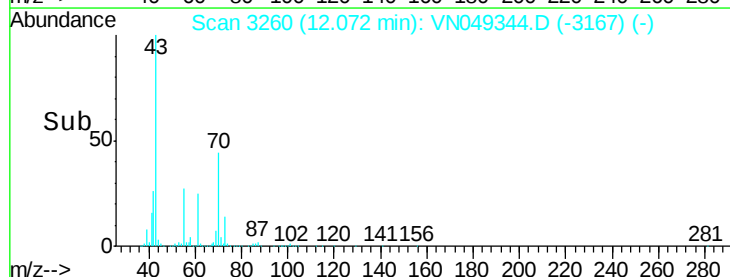
300000

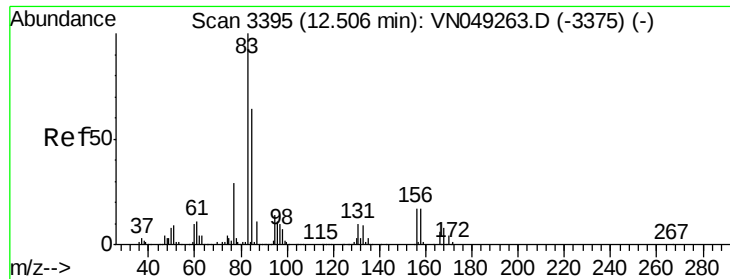
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 24.050 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

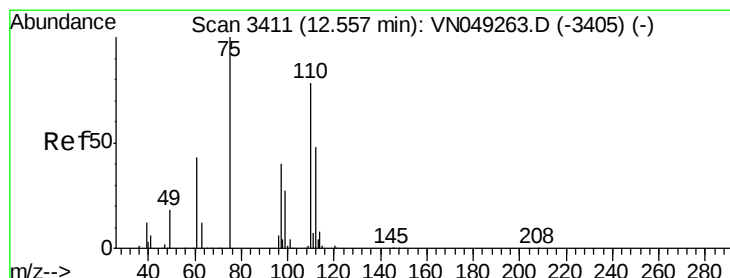
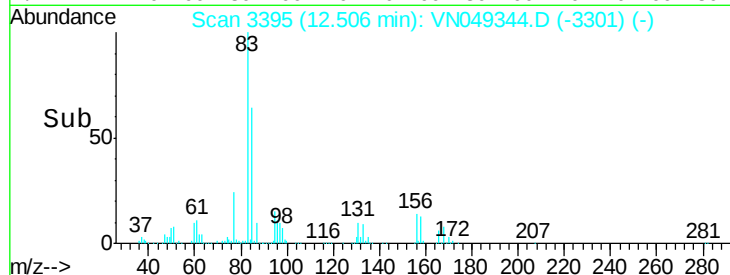
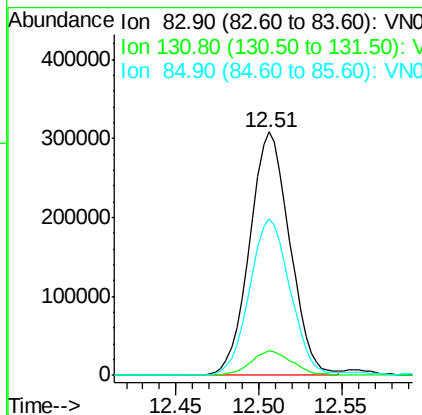
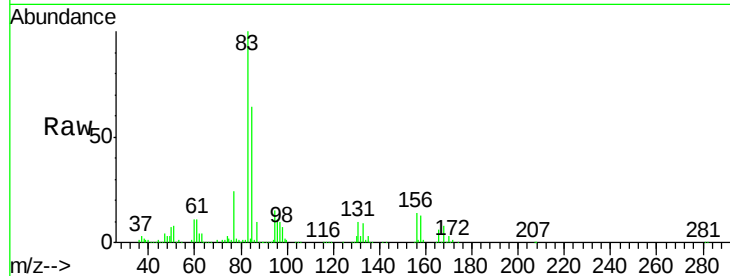
ClientSampleId :

VN0618WBSD01

Tot Ion:	83	Resp:	518287
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.0	15.0
85	64.9	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.349 ug/l m

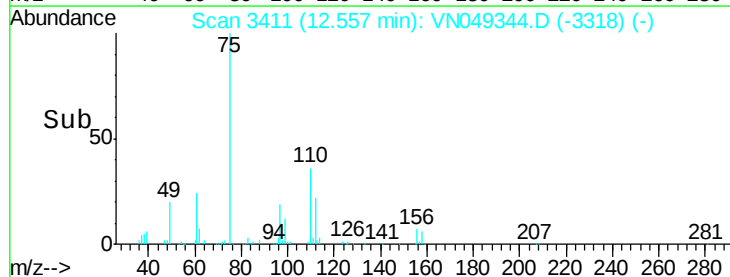
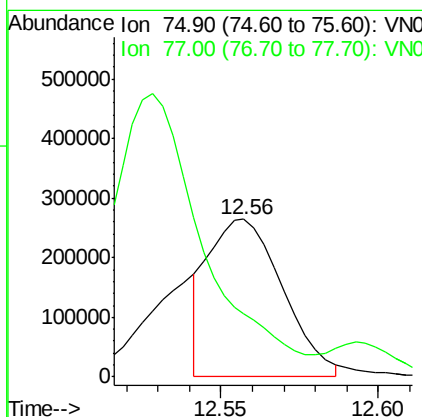
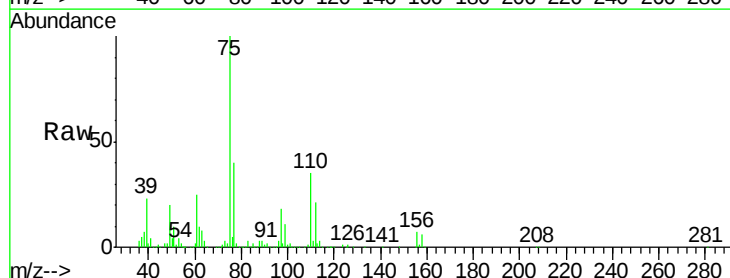
RT: 12.56 min Scan# 3411

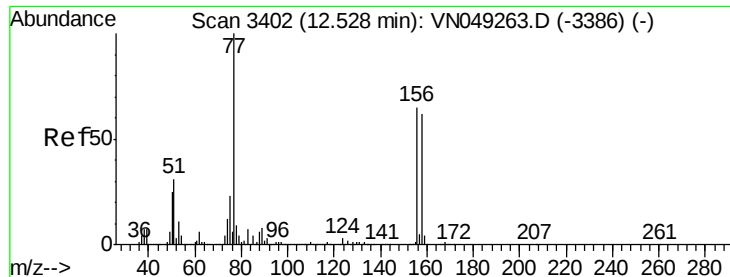
Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Tgt Ion:	75	Resp:	433995
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.005 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

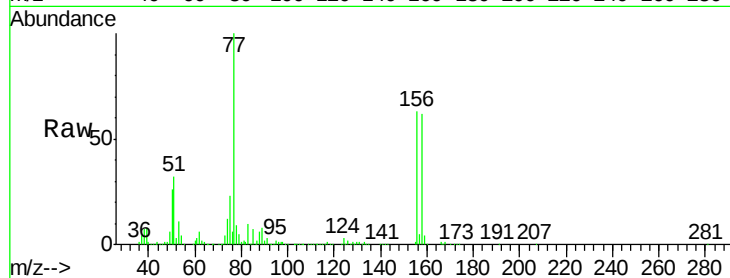
ClientSampleId :

VN0618WBSD01

Tot Ion:	156	Resp:	528023
Ion Ratio	Lower	Upper	
156	100		
77	185.8	100.8	302.4
158	97.4	49.3	147.9

Manual Integrations
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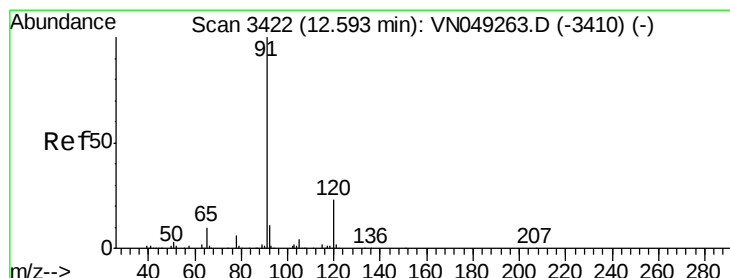
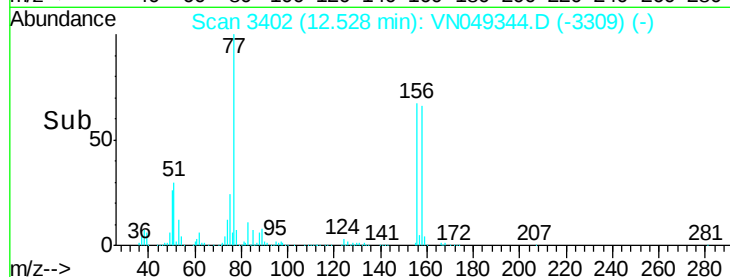
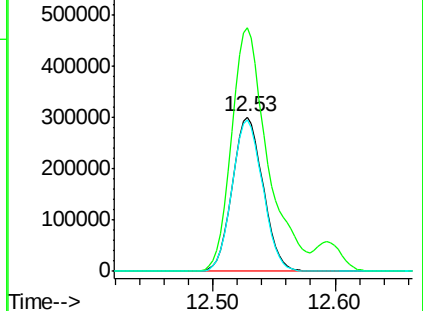
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.913 ug/l

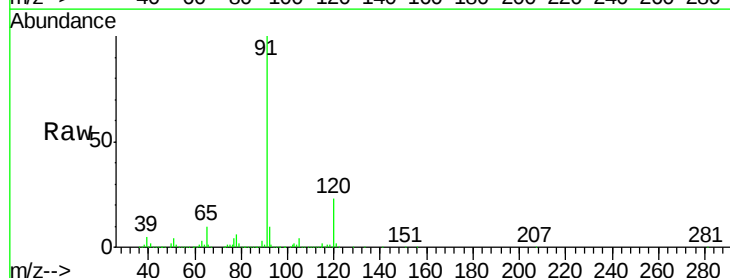
RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN049344.D

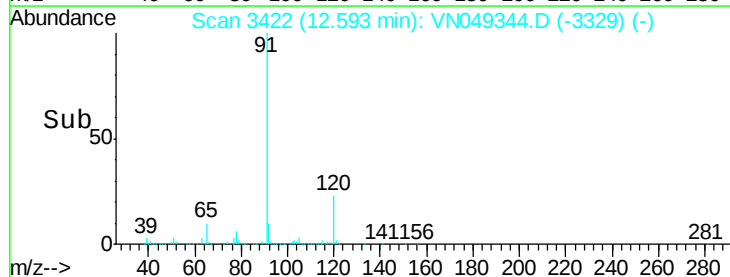
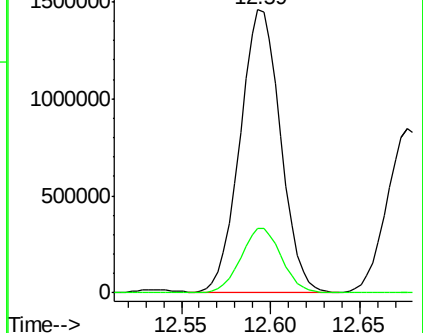
Acq: 18 Jun 2018 15:38

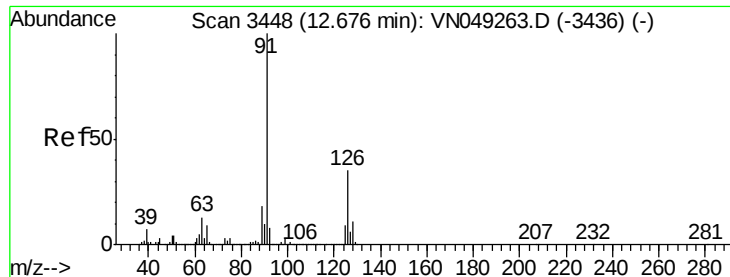
Tgt Ion:	91	Resp:	2294531
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.2	33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.226 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion: 91 Resp: 1406089

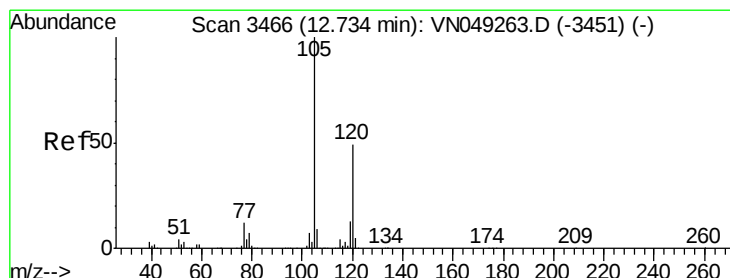
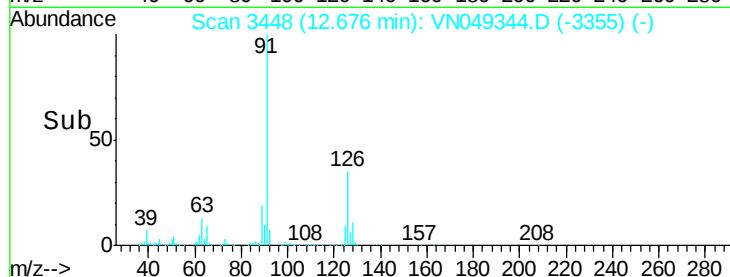
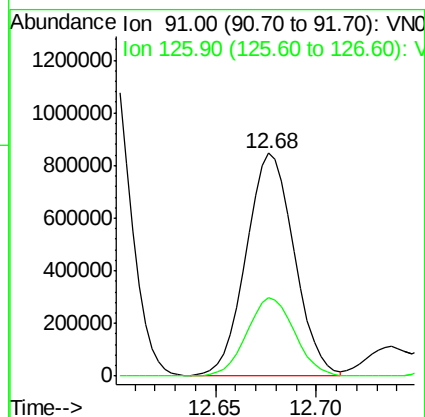
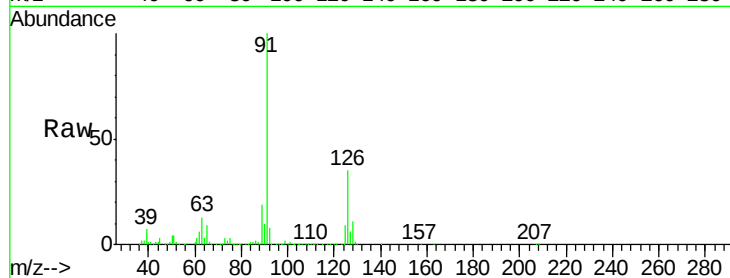
Ion Ratio Lower Upper

91 100

126 35.3 16.6 49.8

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#80

1,3,5-Trimethylbenzene

Concen: 21.258 ug/l

RT: 12.74 min Scan# 3467

Delta R.T. 0.00 min

Lab File: VN049344.D

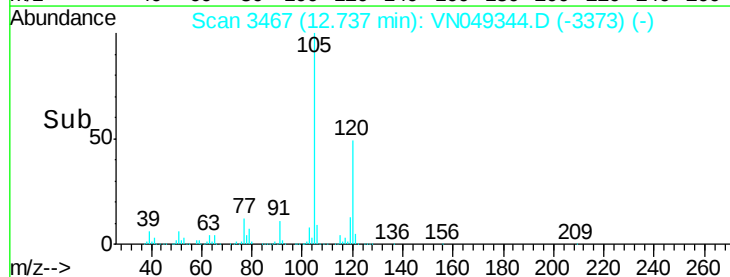
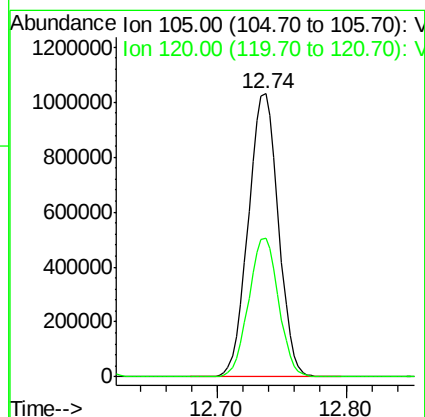
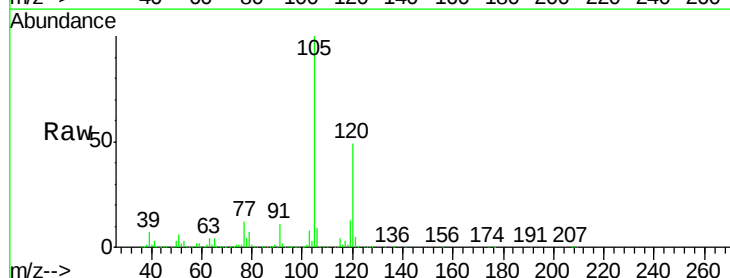
Acq: 18 Jun 2018 15:38

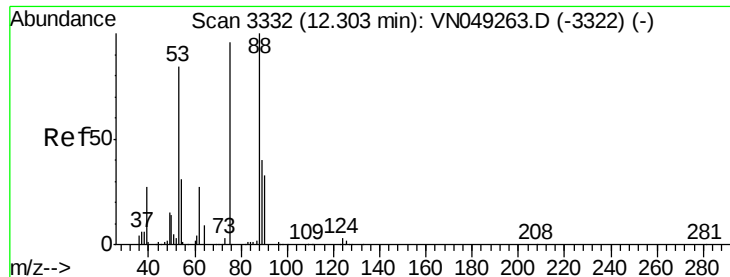
Tgt Ion:105 Resp: 1669624

Ion Ratio Lower Upper

105 100

120 48.8 23.5 70.5





#81

trans-1,4-Dichloro-2-butene

Concen: 22.756 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

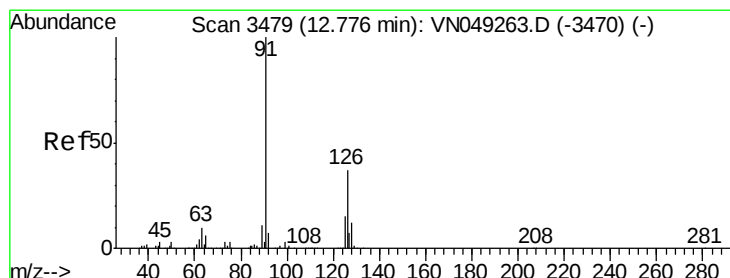
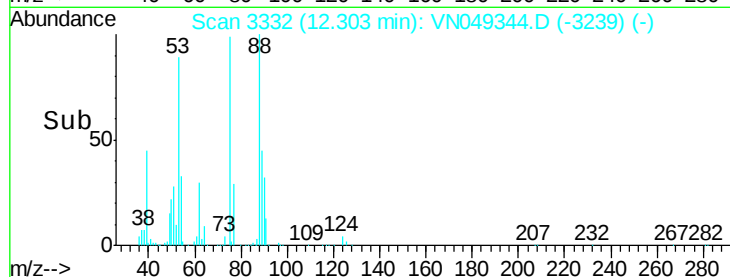
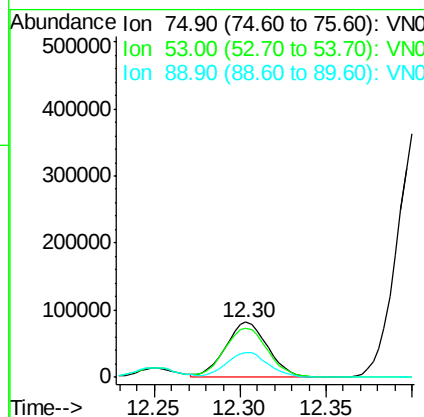
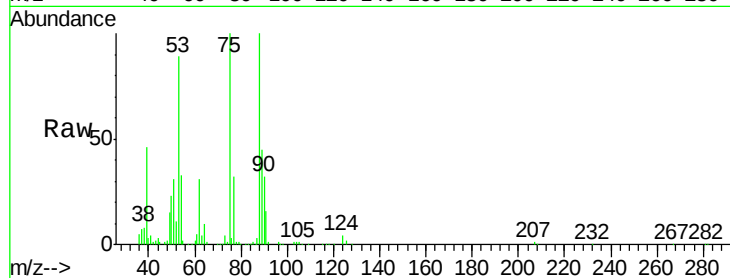
ClientSampleId :

VN0618WBSD01

Tot Ion:	75	Resp:	139817
Ion Ratio	Lower	Upper	
75	100		
53	93.3	82.7	124.1
89	45.6	36.5	54.7

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.808 ug/l

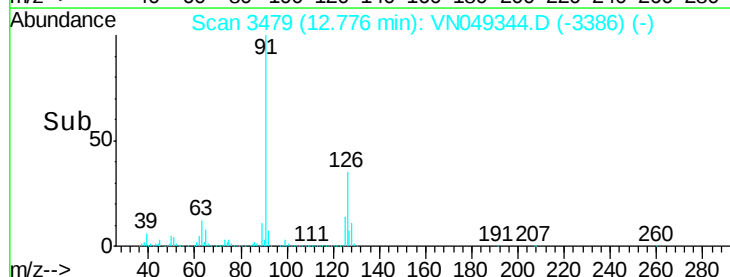
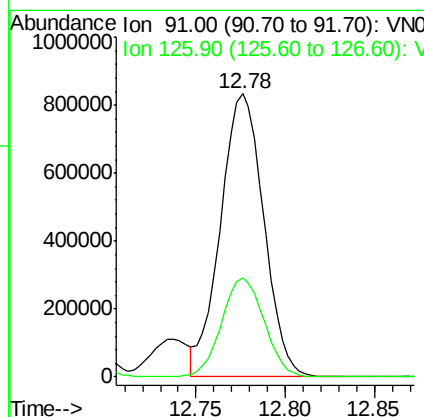
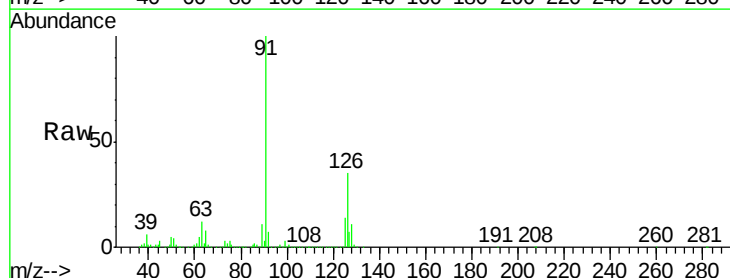
RT: 12.78 min Scan# 3479

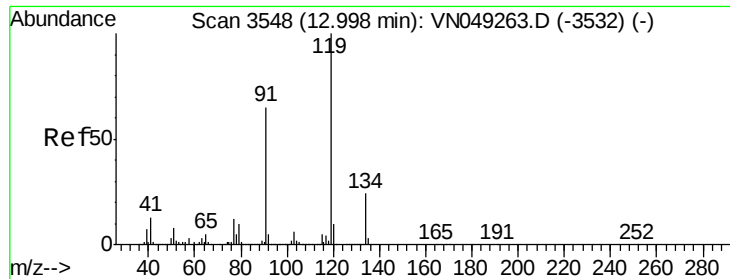
Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Tgt Ion:	91	Resp:	1395555
Ion Ratio	Lower	Upper	
91	100		
126	34.6	16.4	49.1





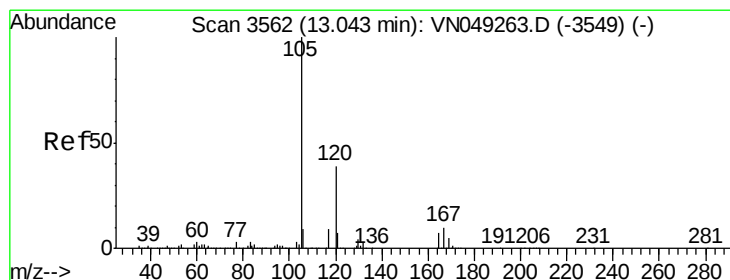
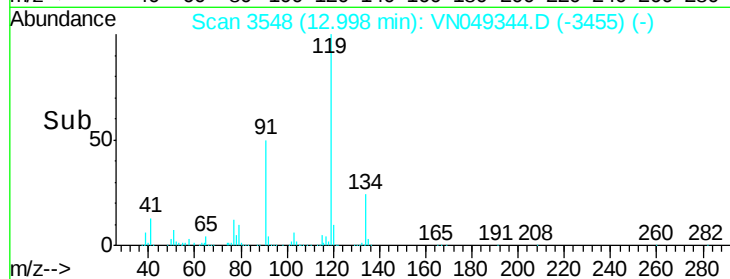
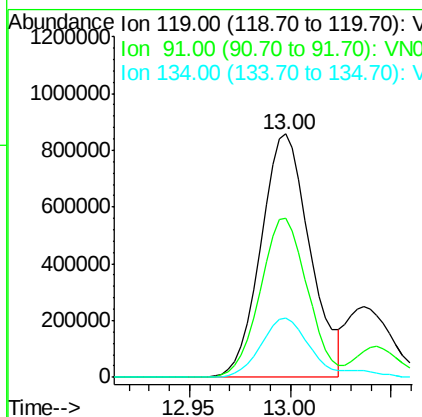
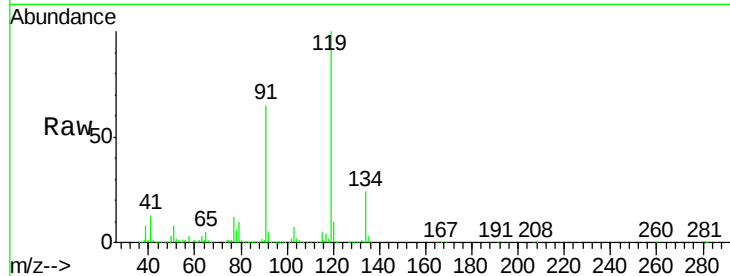
#83
 tert-Butylbenzene
 Concen: 20.795 ug/l
 RT: 13.00 min Scan# 3548
 Delta R.T. -0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Tot Ion:119 Resp: 1447006
 Ion Ratio Lower Upper
 119 100
 91 62.9 33.7 101.0
 134 25.9 12.9 38.6

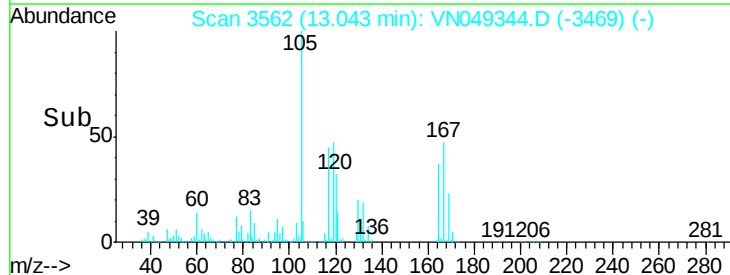
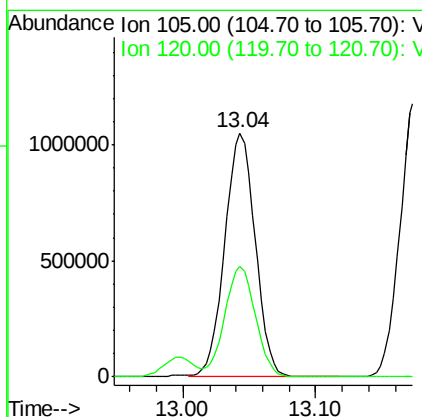
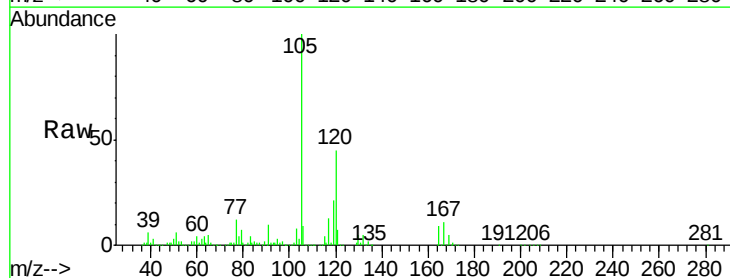
Manual Integrations
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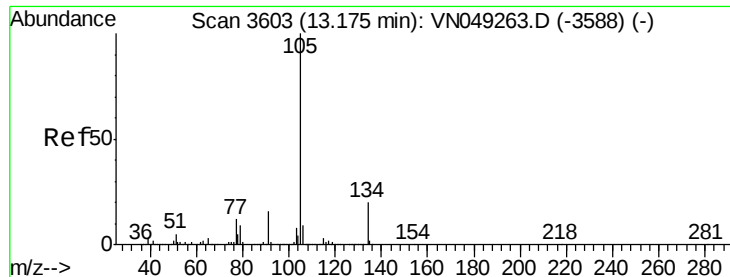
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.461 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. -0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Tgt Ion:105 Resp: 1674460
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.2 66.6





#85

sec-Butylbenzene

Concen: 20.541 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

Instrument :

MSVOA_N

ClientSampleId :

VN0618WBSD01

Tot Ion:105 Resp: 1902401

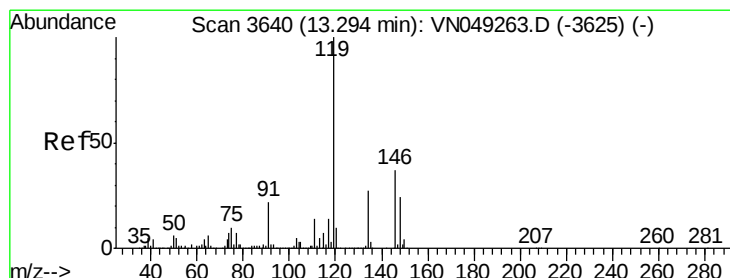
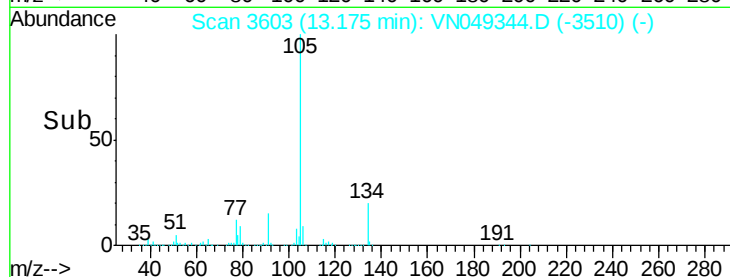
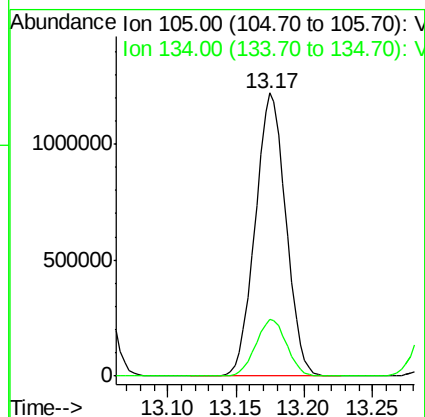
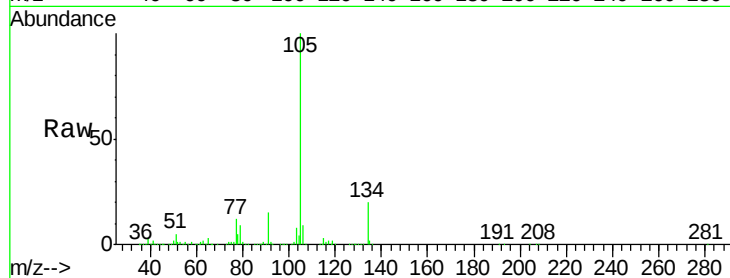
Ion Ratio Lower Upper

105 100

134 20.2 9.8 29.3

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 20.946 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. -0.00 min

Lab File: VN049344.D

Acq: 18 Jun 2018 15:38

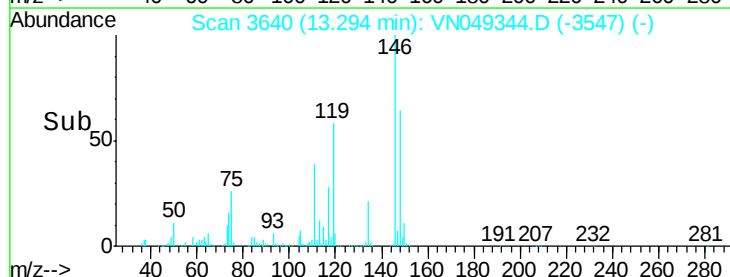
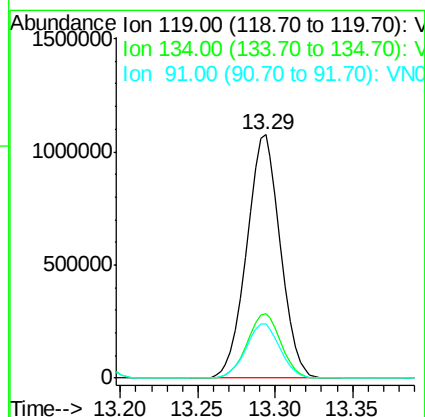
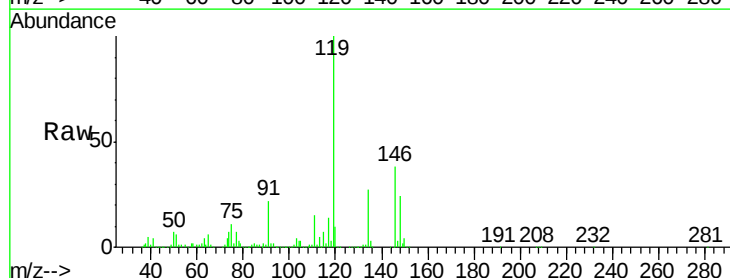
Tgt Ion:119 Resp: 1620734

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.6

91 22.7 12.1 36.3





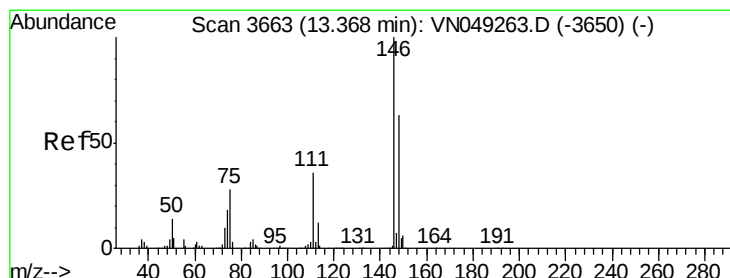
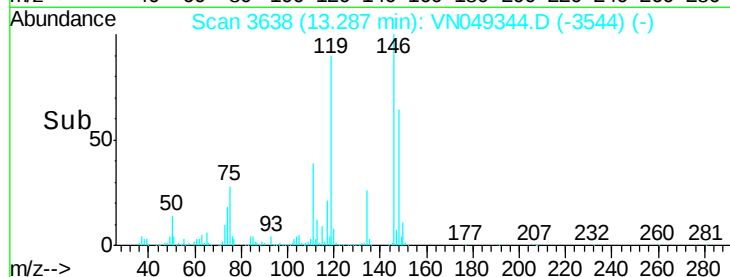
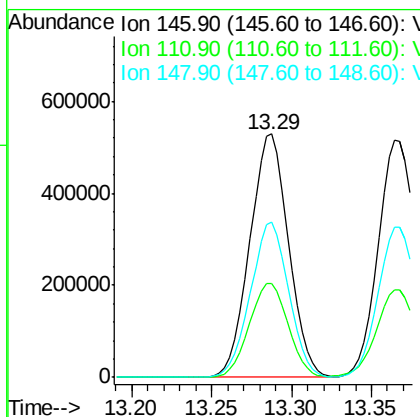
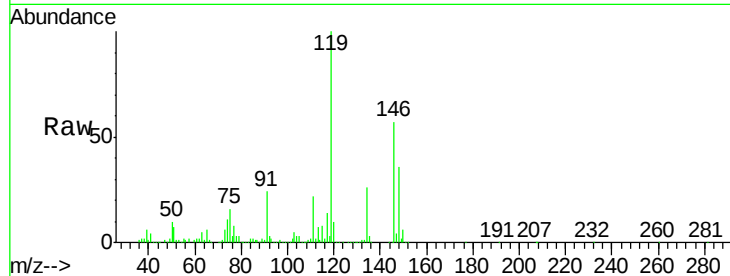
#87
 1,3-Dichlorobenzene
 Concen: 20.196 ug/l
 RT: 13.29 min Scan# 3638
 Delta R.T. 0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.9	59.6
148	62.8	32.1	96.5

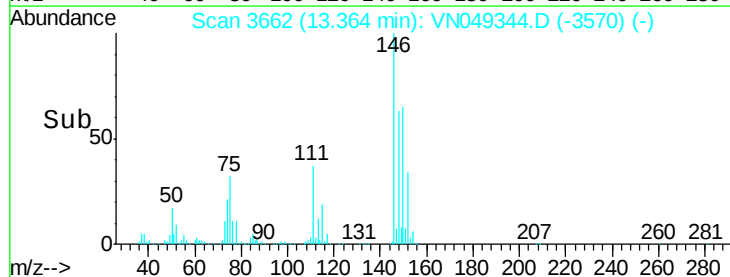
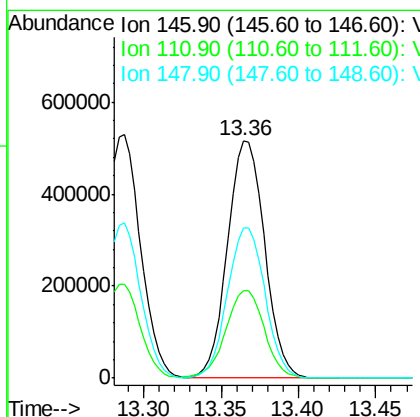
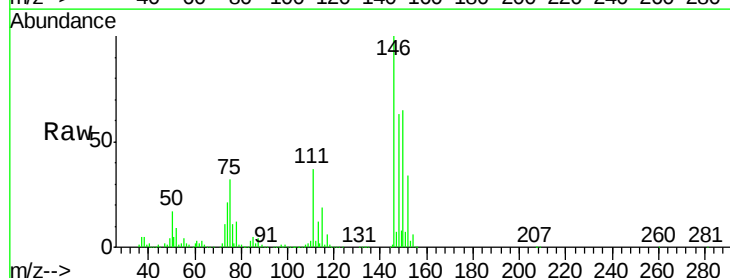
Manual Integrations
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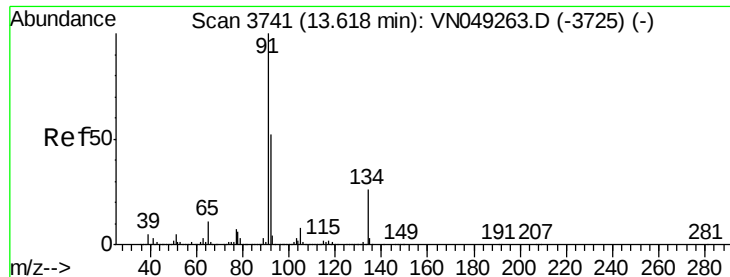
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 6/19/2018 1:55:43 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.940 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.1	57.1
148	64.3	32.0	96.2





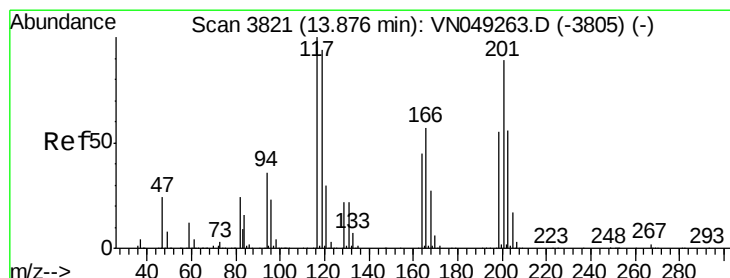
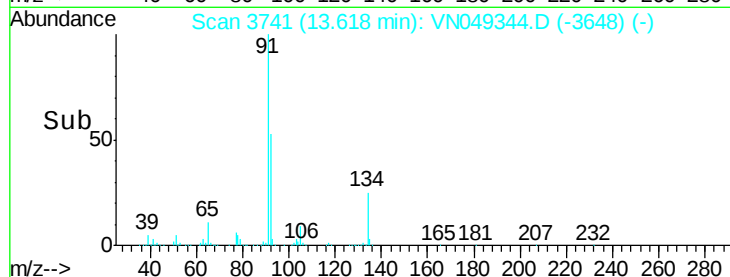
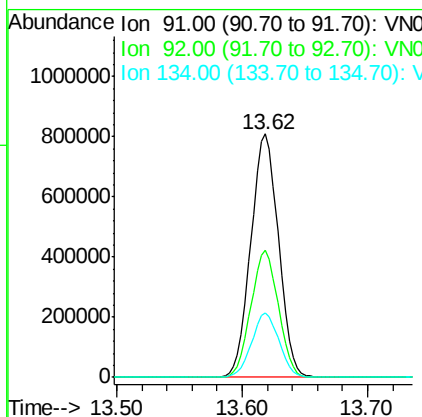
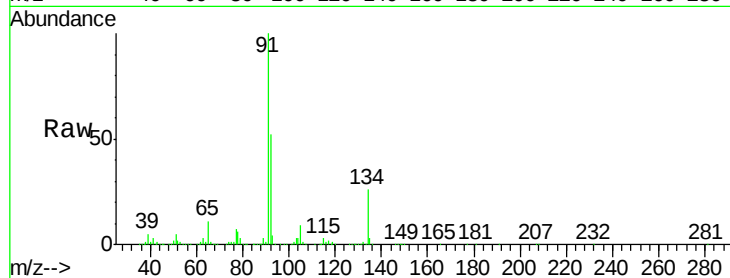
#89
n-Butylbenzene
Concen: 20.423 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. -0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.9	25.1	75.4
134	26.1	12.0	36.0

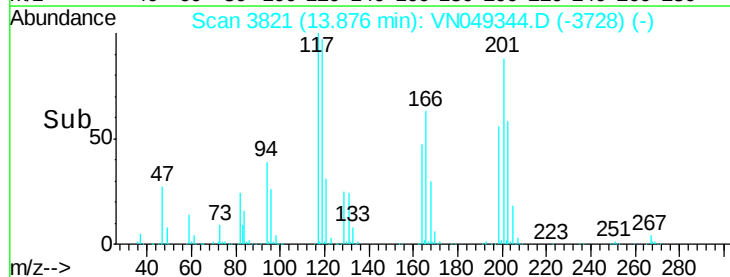
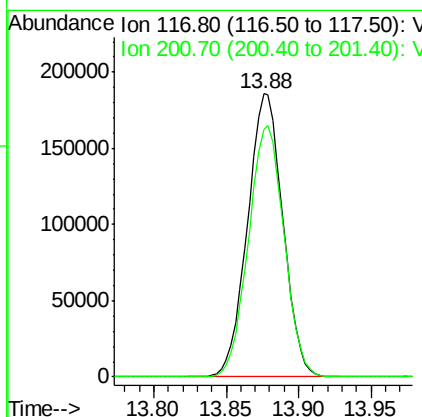
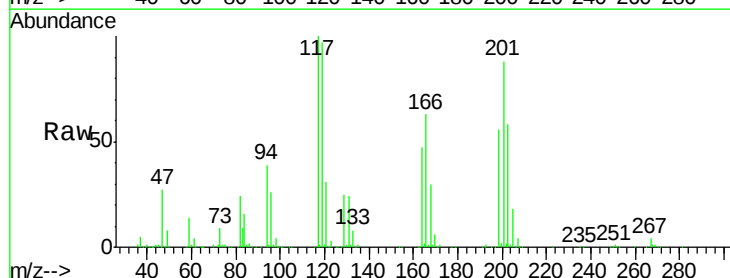
Manual Integrations
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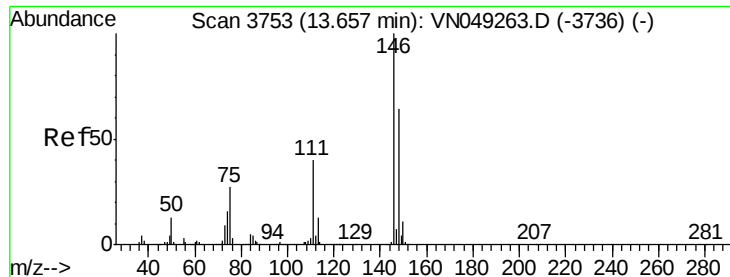
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#90
Hexachloroethane
Concen: 20.551 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.4	40.1	120.2





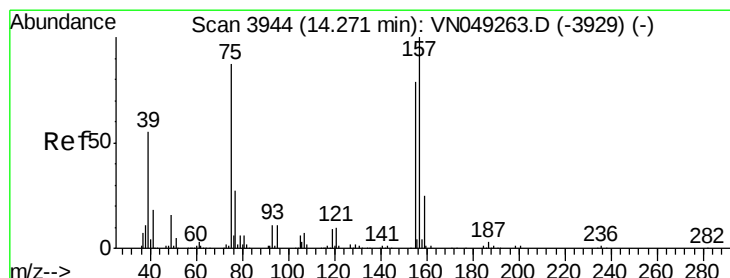
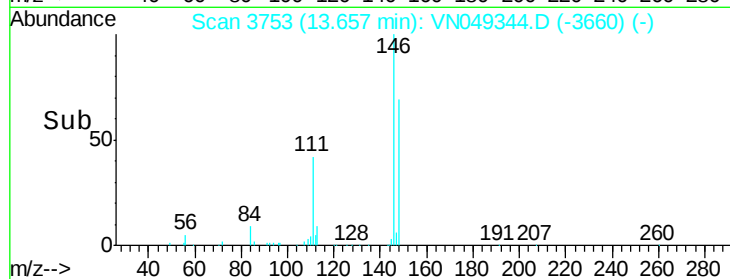
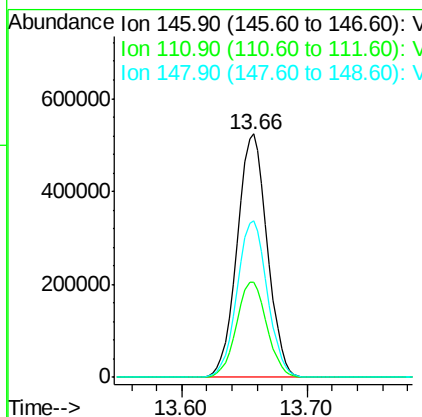
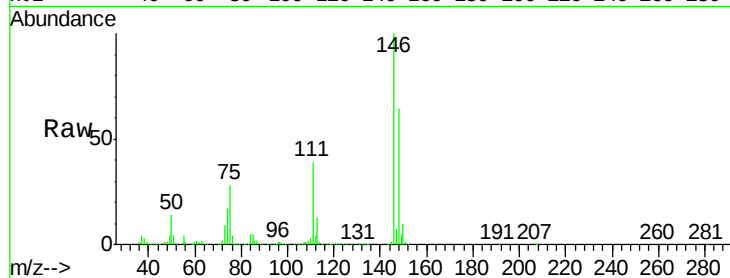
#91
 1,2-Dichlorobenzene
 Concen: 20.486 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. -0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0618WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.8	62.2
148	64.7	32.0	96.2

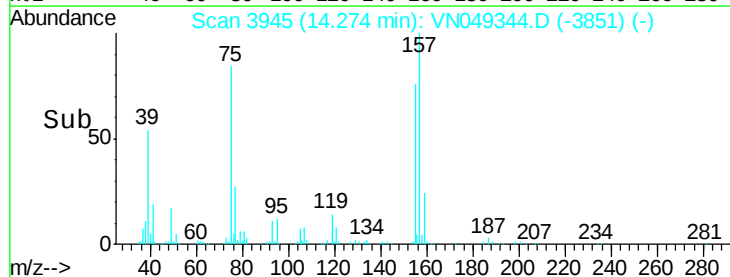
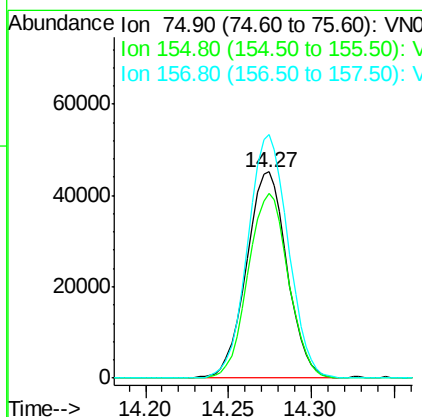
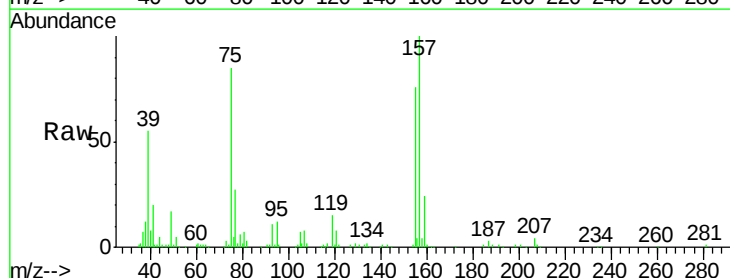
Manual Integrations
 APPROVED

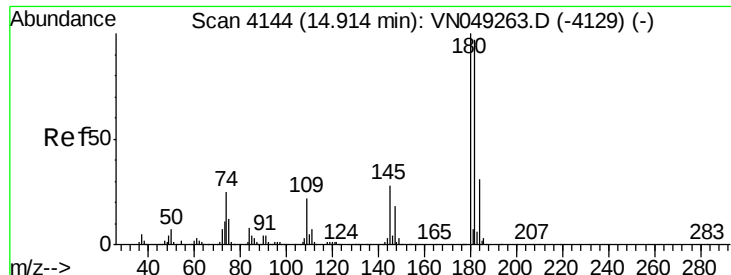
MMDadoda
 6/19/2018 1:55:43 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.095 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	38.8	116.3
157	117.3	51.0	153.1





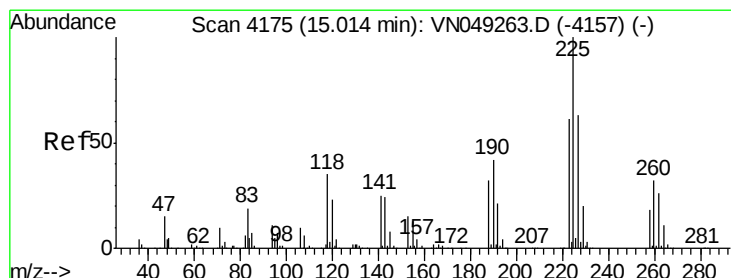
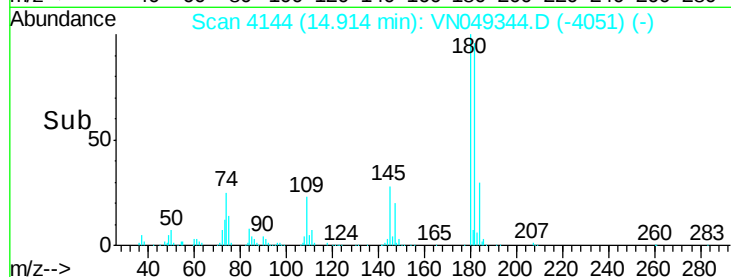
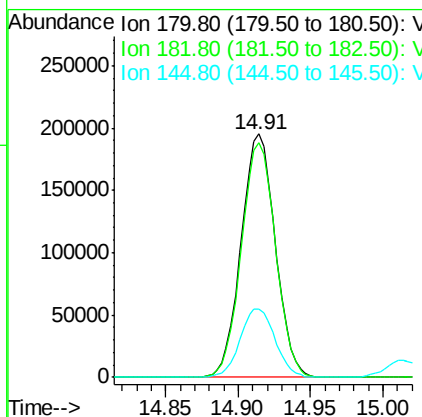
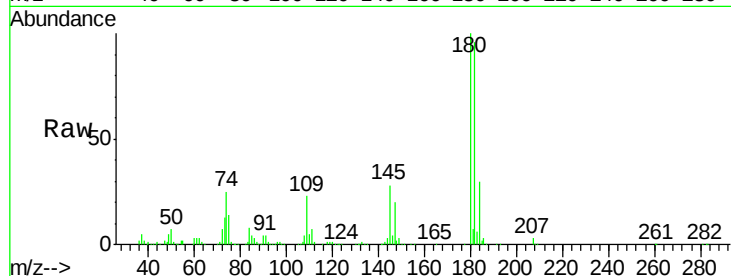
#93
 1,2,4-Trichlorobenzene
 Concen: 19.601 ug/l
 RT: 14.91 min Scan# 4144
 Delta R.T. 0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0618WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	320395		
182	96.5	46.9	140.8	
145	28.9	14.7	44.1	

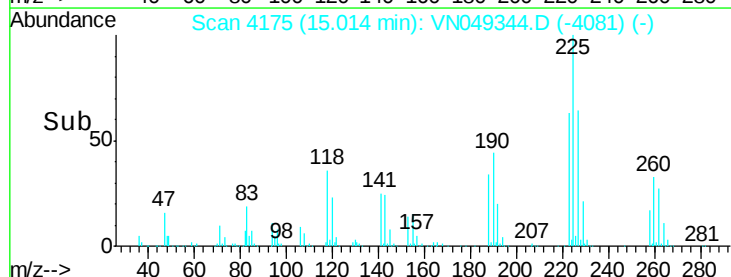
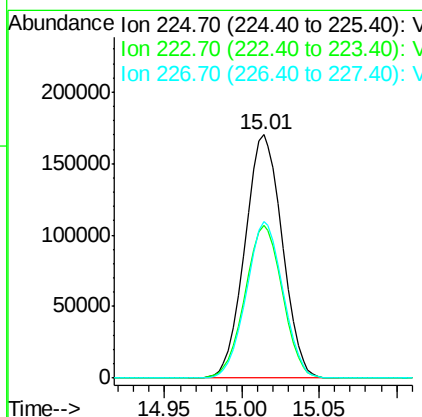
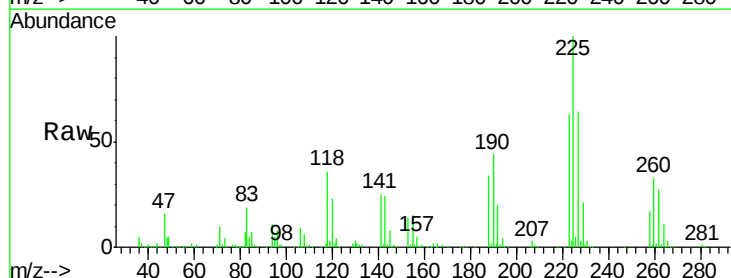
Manual Integrations
 APPROVED

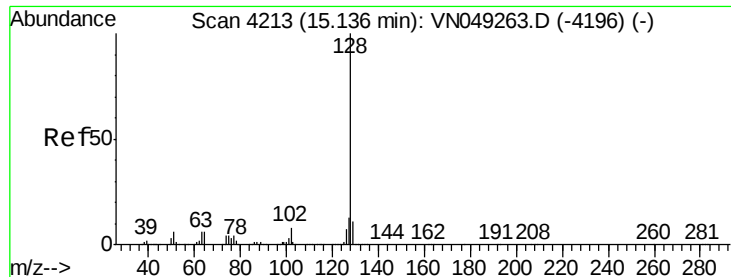
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 21.381 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049344.D
 Acq: 18 Jun 2018 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	285722		
223	63.1	32.1	96.3	
227	63.3	31.8	95.3	





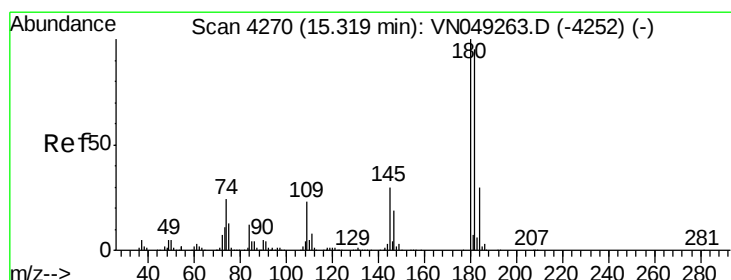
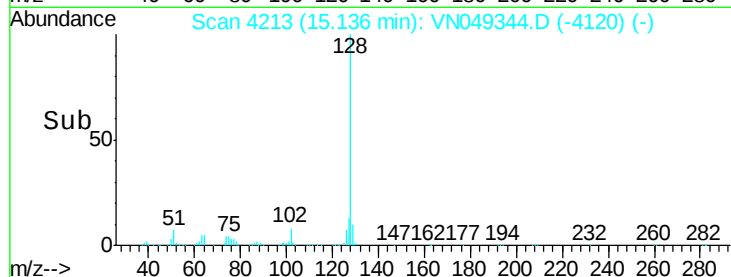
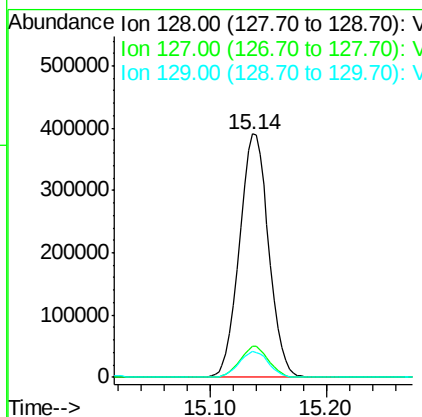
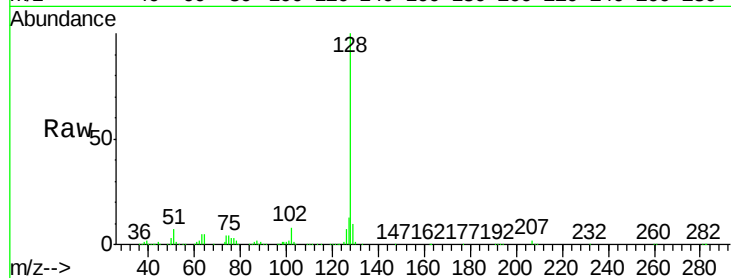
#95
Naphthalene
Concen: 22.449 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Instrument :
MSVOA_N
ClientSampleId :
VN0618WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	681619		
127	12.5	10.6	16.0	
129	10.8	8.5	12.7	

Manual Integrations
APPROVED

MMDadoda
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#96
1,2,3-Trichlorobenzene
Concen: 20.314 ug/l
RT: 15.32 min Scan# 4270
Delta R.T. 0.00 min
Lab File: VN049344.D
Acq: 18 Jun 2018 15:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	345529		
182	96.4	47.3	141.8	
145	30.7	15.6	46.7	

