

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070618\
 Data File : VN049741.D
 Acq On : 6 Jul 2018 16:12
 Operator : MD\SY
 Sample : VN0706WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBSD01

Manual Integrations
 APPROVED

MMDadoda
 7/9/2018 6:00:33 PM

Quant Time: Jul 06 17:16:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 06 11:12:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1043450	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1610397	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1428359	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	766867	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	670164	48.63	ug/l	0.00
Spiked Amount			Recovery	=	97.26%	
35) Dibromofluoromethane	7.59	113	564158	46.86	ug/l	0.00
Spiked Amount			Recovery	=	93.72%	
50) Toluene-d8	10.09	98	2118786	44.96	ug/l	0.00
Spiked Amount			Recovery	=	89.92%	
62) 4-Bromofluorobenzene	12.40	95	742345	46.14	ug/l	0.00
Spiked Amount			Recovery	=	92.28%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	221899	18.870	ug/l	98
3) Chloromethane	2.06	50	296895	20.215	ug/l	99
4) Vinyl Chloride	2.18	62	310589	19.690	ug/l	100
5) Bromomethane	2.56	94	146916	17.731	ug/l	97
6) Chloroethane	2.70	64	200638	20.096	ug/l	100
7) Trichlorofluoromethane	3.01	101	424302	23.548	ug/l	97
8) Diethyl Ether	3.41	74	153406	21.005	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	262013	20.212	ug/l	99
10) Methyl Iodide	3.95	142	304084	18.743	ug/l	98
11) Tert butyl alcohol	4.80	59	99046	125.258	ug/l	98
12) 1,1-Dichloroethene	3.73	96	238414	19.453	ug/l	97
13) Acrolein	3.61	56	122806	166.267	ug/l	97
14) Allyl chloride	4.32	41	379183	22.524	ug/l	98
15) Acrylonitrile	4.99	53	467638	114.505	ug/l	97
16) Acetone	3.82	43	383290	134.824	ug/l	97
17) Carbon Disulfide	4.05	76	633670	18.560	ug/l	100
18) Methyl Acetate	4.33	43	266317	18.368	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	667156	21.117	ug/l	100
20) Methylene Chloride	4.55	84	302619	21.327	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	249463	19.778	ug/l	99
22) Diisopropyl ether	5.96	45	812840	21.341	ug/l	98
23) Vinyl Acetate	5.90	43	2462026	99.682	ug/l	99
24) 1,1-Dichloroethane	5.85	63	498636	20.781	ug/l	99
25) 2-Butanone	6.84	43	558053	121.990	ug/l	100
26) 2,2-Dichloropropane	6.83	77	413408	20.745	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	289596	20.554	ug/l	99
28) Bromochloromethane	7.20	49	222375	21.836	ug/l	98
29) Tetrahydrofuran	7.22	42	347957	119.340	ug/l	99
30) Chloroform	7.37	83	505438	20.664	ug/l	98
31) Cyclohexane	7.65	56	397930	18.886	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	430110	20.770	ug/l	98
36) 1,1-Dichloropropene	7.79	75	355249	19.608	ug/l	99
37) Ethyl Acetate	6.93	43	244060	23.095	ug/l	98
38) Carbon Tetrachloride	7.78	117	346077	19.636	ug/l	96

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 Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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 VN0706WBSD01

Manual Integrations
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Quant Time: Jul 06 17:16:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 06 11:12:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	364234	18.336	ug/l	96
40) Benzene	8.04	78	1128921	20.406	ug/l	99
41) Methacrylonitrile	7.18	41	120427	20.217	ug/l	93
42) 1,2-Dichloroethane	8.13	62	366322	20.748	ug/l	99
43) Isopropyl Acetate	8.17	43	483222	22.713	ug/l	97
44) Trichloroethene	8.84	130	325013	19.480	ug/l	99
45) 1,2-Dichloropropane	9.12	63	298323	20.872	ug/l	98
46) Dibromomethane	9.21	93	183224	21.189	ug/l	98
47) Bromodichloromethane	9.41	83	379303	20.606	ug/l	99
48) Methyl methacrylate	9.20	41	206705	22.012	ug/l	100
49) 1,4-Dioxane	9.20	88	59656	472.531	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	1216487	117.411	ug/l	99
52) Toluene	10.16	92	687652	20.575	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	351435	19.939	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	413922	20.093	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	264531	21.257	ug/l	97
56) Ethyl methacrylate	10.43	69	317514	21.767	ug/l	98
57) 1,3-Dichloropropane	10.71	76	436073	21.610	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	690153	97.670	ug/l	100
59) 2-Hexanone	10.75	43	825182	120.443	ug/l	99
60) Dibromochloromethane	10.90	129	284655	21.164	ug/l	100
61) 1,2-Dibromoethane	11.01	107	248357	20.828	ug/l	98
64) Tetrachloroethene	10.63	164	381716	19.737	ug/l	99
65) Chlorobenzene	11.44	112	736679	19.771	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	275795	20.599	ug/l	100
67) Ethyl Benzene	11.51	91	1207049	19.597	ug/l	99
68) m/p-Xylenes	11.62	106	965730	40.912	ug/l	100
69) o-Xylene	11.95	106	460410	20.372	ug/l	99
70) Styrene	11.97	104	748367	20.466	ug/l	100
71) Bromoform	12.13	173	187238	21.047	ug/l #	98
73) Isopropylbenzene	12.25	105	1203215	19.698	ug/l	99
74) N-amyl acetate	12.07	43	353734	21.200	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	316120	24.198	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	308761m	25.105	ug/l	
77) Bromobenzene	12.53	156	333065	20.052	ug/l	97
78) n-propylbenzene	12.59	91	1389129	19.842	ug/l	100
79) 2-Chlorotoluene	12.68	91	870611	19.650	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1038637	20.462	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	70278	19.408	ug/l	92
82) 4-Chlorotoluene	12.78	91	868246	19.489	ug/l	99
83) tert-Butylbenzene	12.99	119	854970	19.607	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	1063589	20.392	ug/l	99
85) sec-Butylbenzene	13.17	105	1186478	20.537	ug/l	100
86) p-Isopropyltoluene	13.29	119	1020250	20.388	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	566526	19.801	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	549793	19.631	ug/l	100
89) n-Butylbenzene	13.62	91	804801	18.786	ug/l	99
90) Hexachloroethane	13.88	117	94023	17.888	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	560207	20.070	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	48733	22.301	ug/l	98

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBSD01

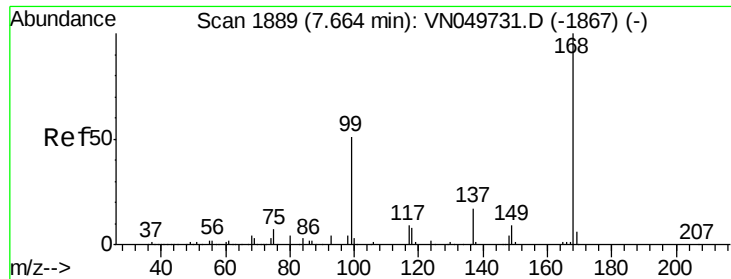
Manual Integrations
APPROVED

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7/9/2018 6:00:33 PM

Quant Time: Jul 06 17:16:17 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 06 11:12:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	209343	16.507	ug/l	100
94) Hexachlorobutadiene	15.01	225	192442	22.395	ug/l	99
95) Naphthalene	15.14	128	439810	17.021	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	223520	17.757	ug/l	99

(#) = 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: VN049741.D

Acq: 6 Jul 2018 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0706WBSD01

Tot Ion:168 Resp: 1043450

Ion Ratio Lower Upper

168 100

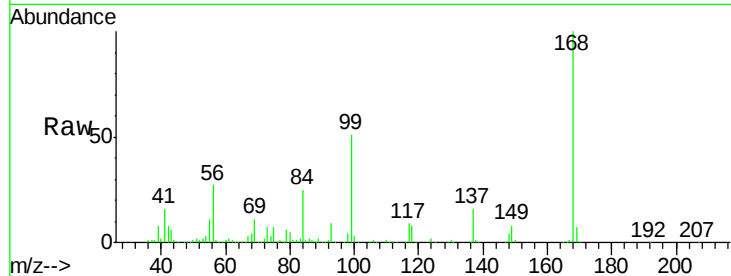
99 50.1 40.6 61.0

Manual Integrations

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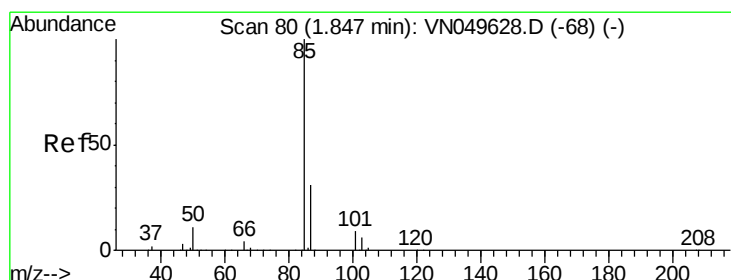
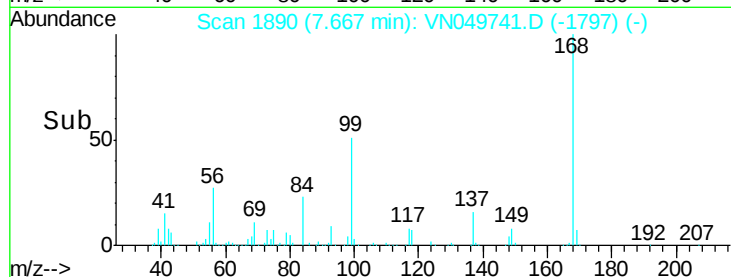
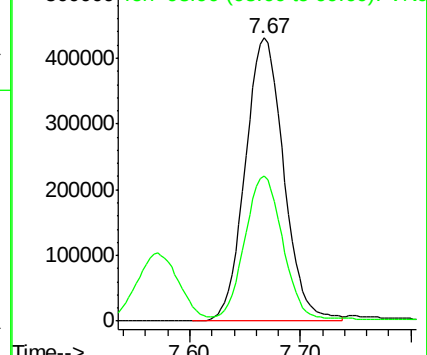
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.870 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN049741.D

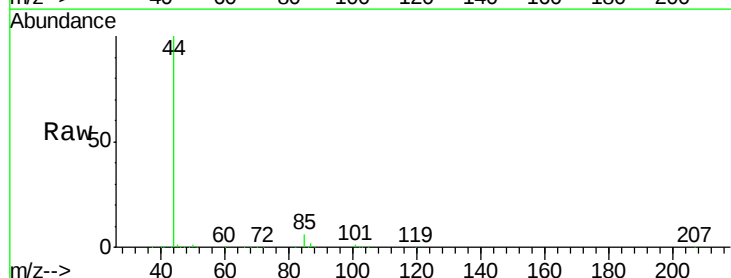
Acq: 6 Jul 2018 16:12

Tgt Ion: 85 Resp: 221899

Ion Ratio Lower Upper

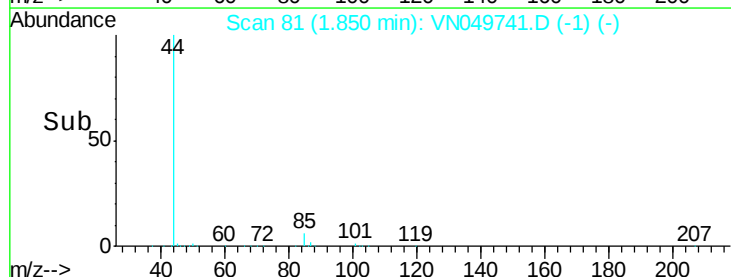
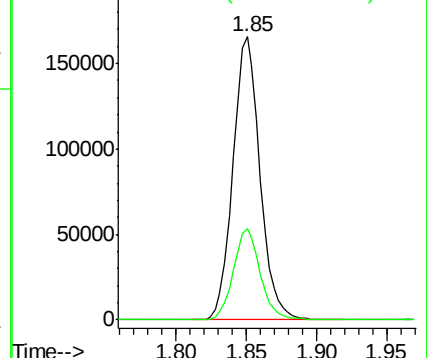
85 100

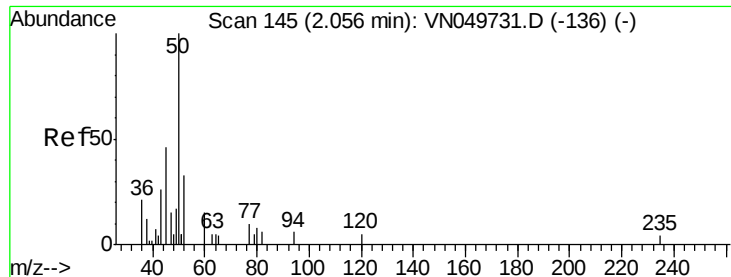
87 32.1 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.215 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Tot Ion: 50 Resp: 296895

Ion Ratio Lower Upper

50 100

52 33.2 26.1 39.1

Instrument :

MSVOA_N

ClientSampled :

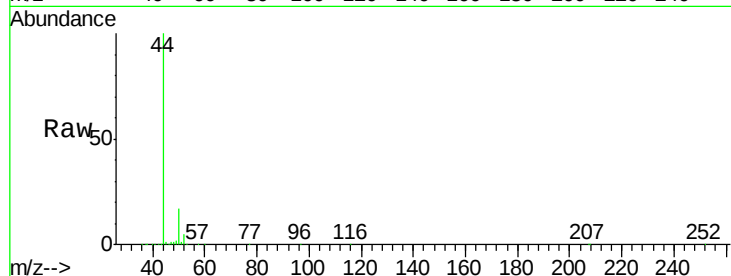
VN0706WBSD01

Manual Integrations

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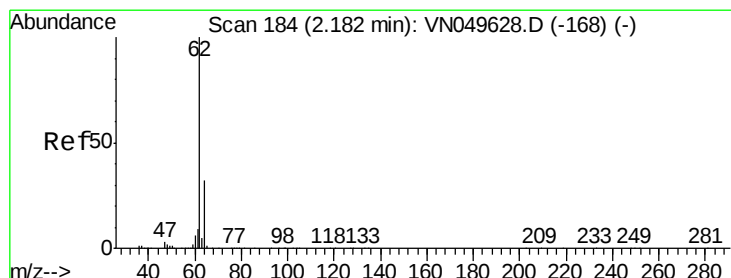
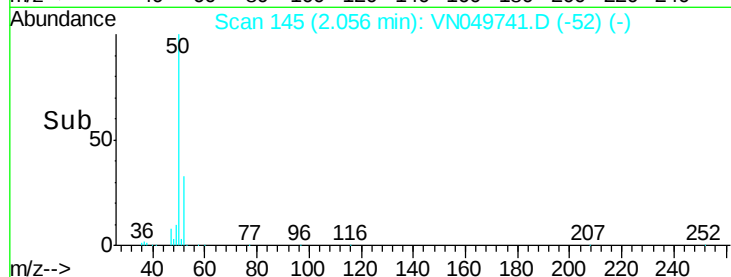
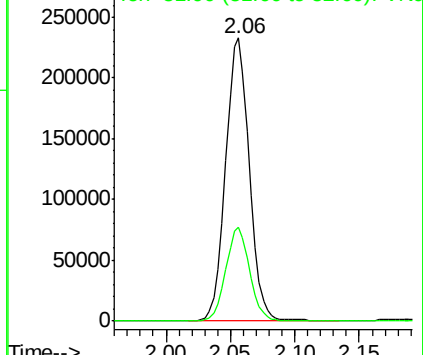
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 19.690 ug/l

RT: 2.18 min Scan# 183

Delta R.T. -0.00 min

Lab File: VN049741.D

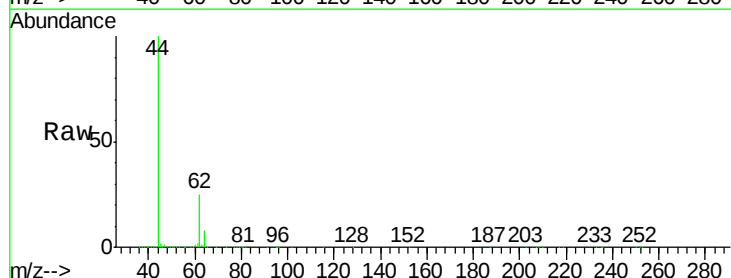
Acq: 6 Jul 2018 16:12

Tgt Ion: 62 Resp: 310589

Ion Ratio Lower Upper

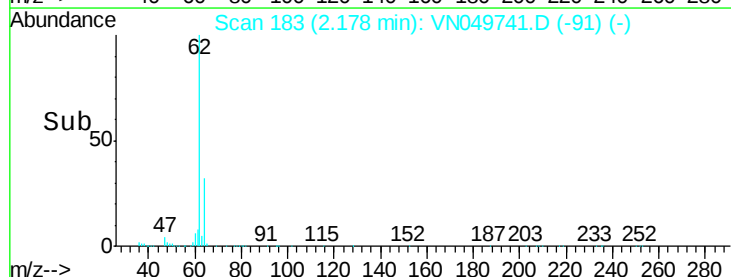
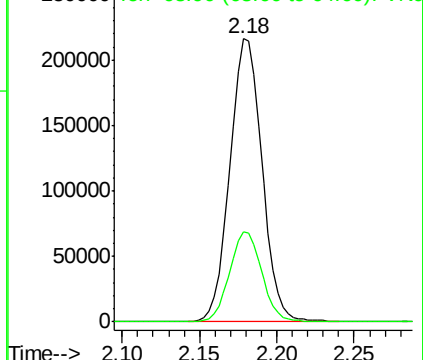
62 100

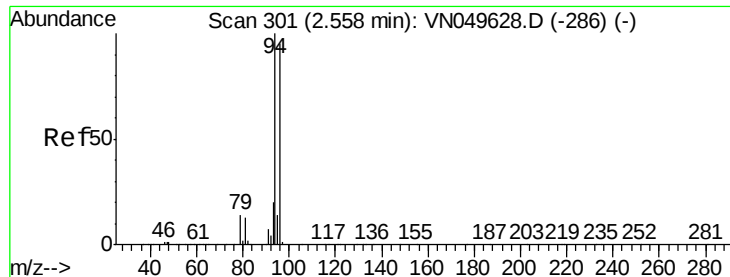
64 31.9 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 17.731 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0706WBSD01

Tot Ion: 94 Resp: 146916

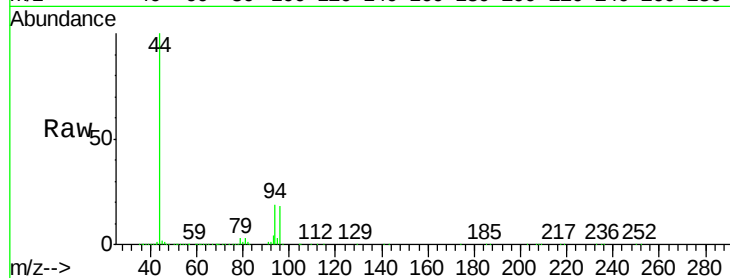
Ion Ratio Lower Upper

94 100

96 91.8 75.7 113.5

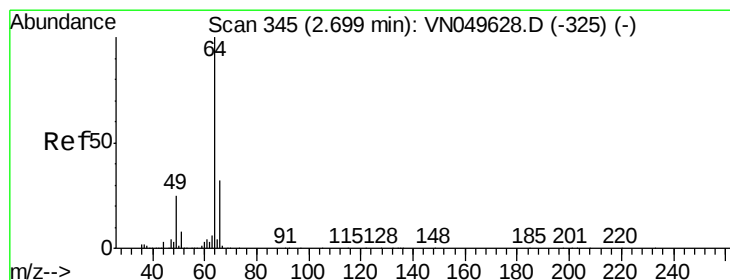
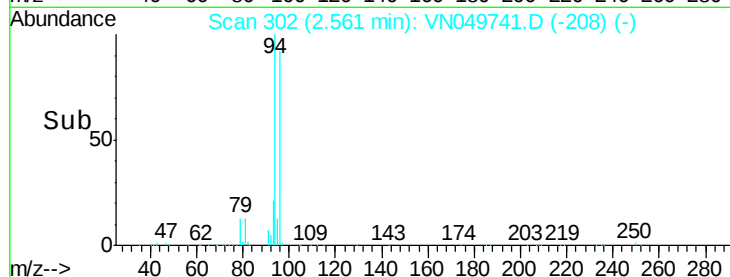
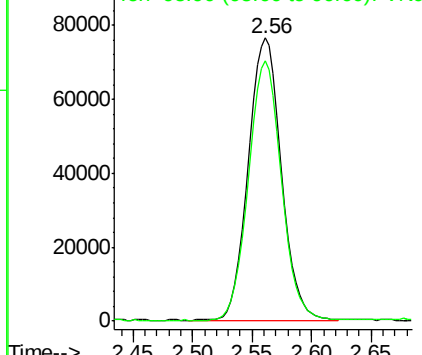
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.096 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN049741.D

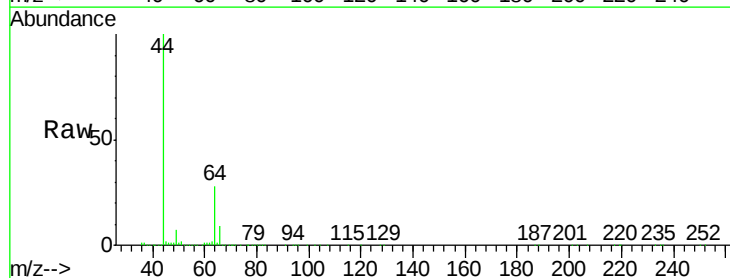
Acq: 6 Jul 2018 16:12

Tgt Ion: 64 Resp: 200638

Ion Ratio Lower Upper

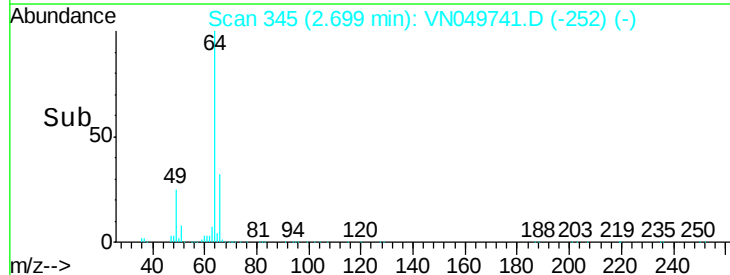
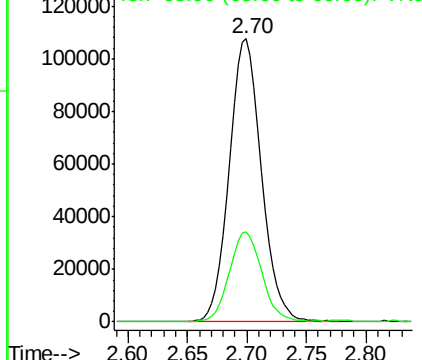
64 100

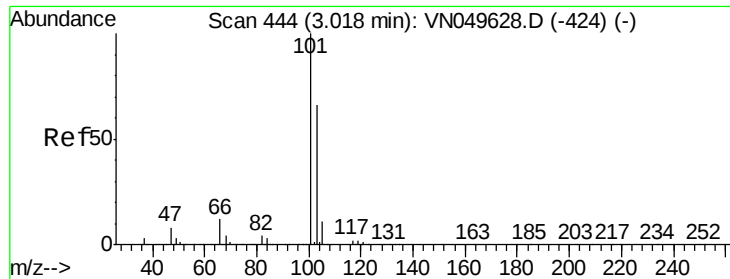
66 31.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

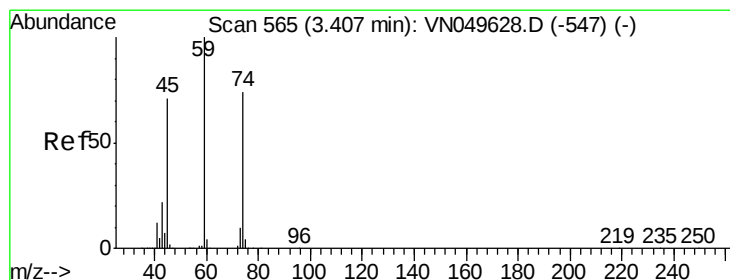
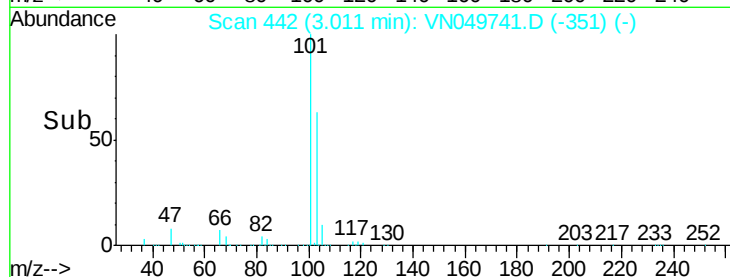
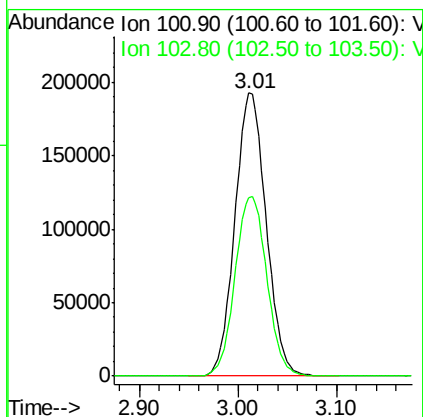
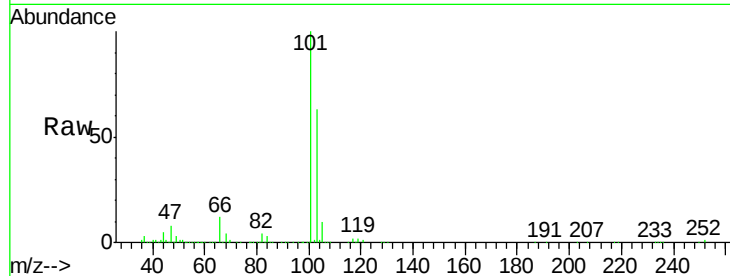
Trichlorofluoromethane
Concen: 23.548 ug/l
RT: 3.01 min Scan# 442
Delta R.T. -0.01 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.2	52.8	79.2

Manual Integrations
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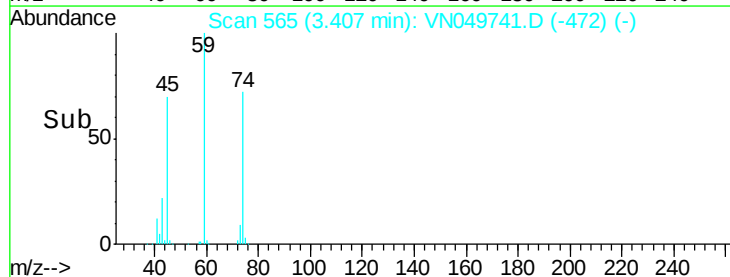
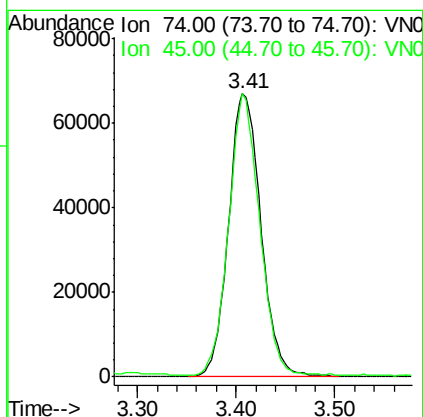
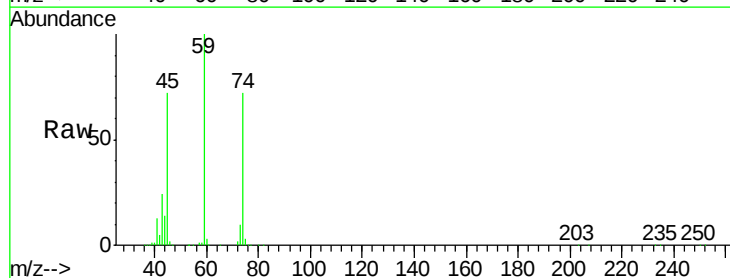
MMDadoda
7/9/2018 6:00:33 PM

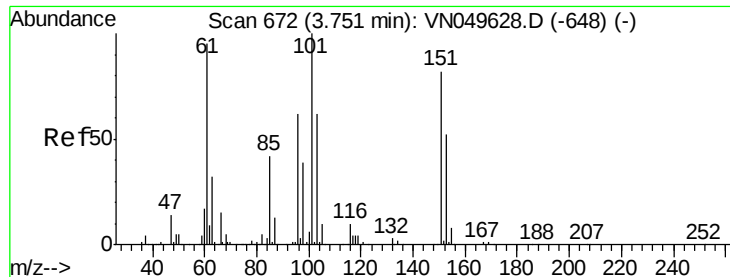


#8

Diethyl Ether
Concen: 21.005 ug/l
RT: 3.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.212 ug/l

RT: 3.75 min Scan# 672

Delta R.T. 0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Instrument :

MSVOA_N

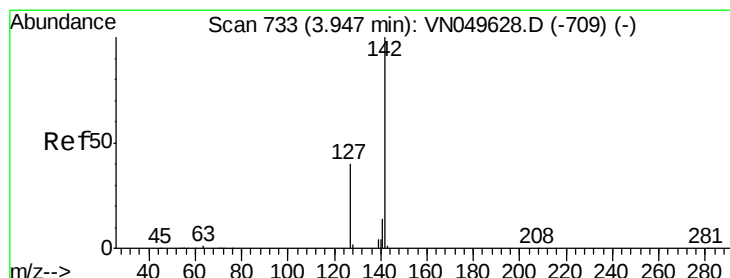
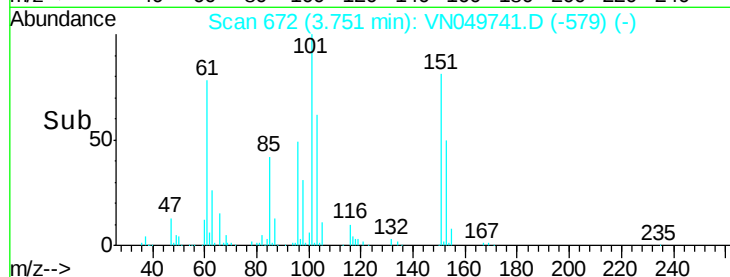
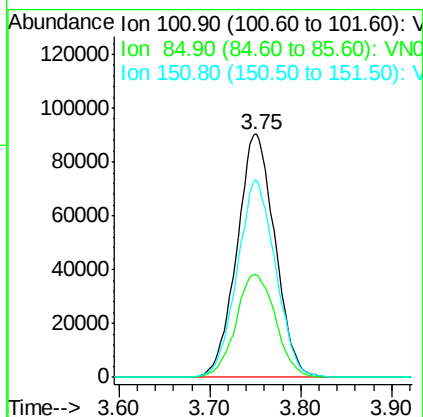
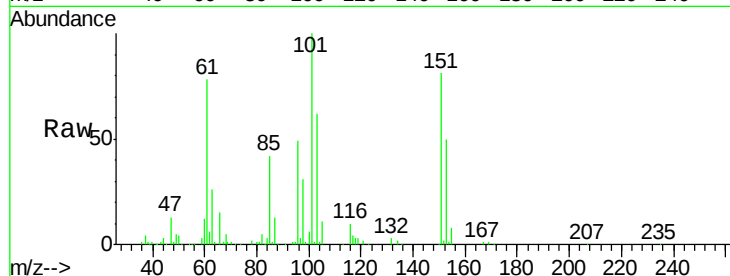
ClientSampleId :

VN0706WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	262013		
85	44.2	34.4	51.6	
151	82.1	66.2	99.4	

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#10

Methyl Iodide

Concen: 18.743 ug/l

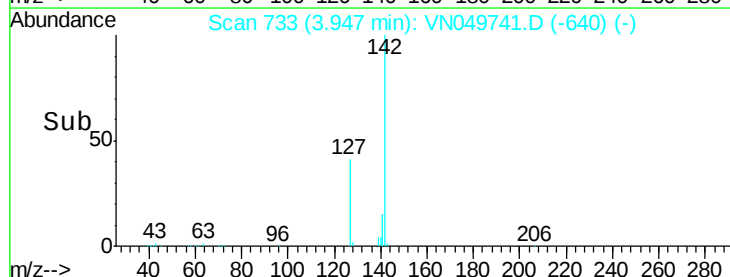
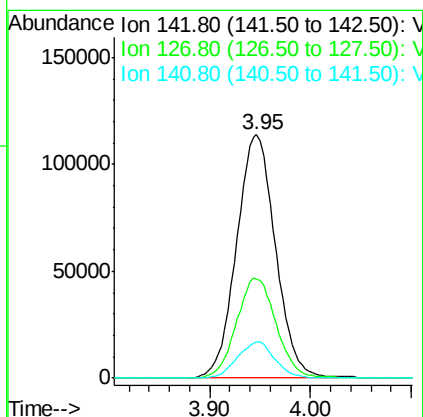
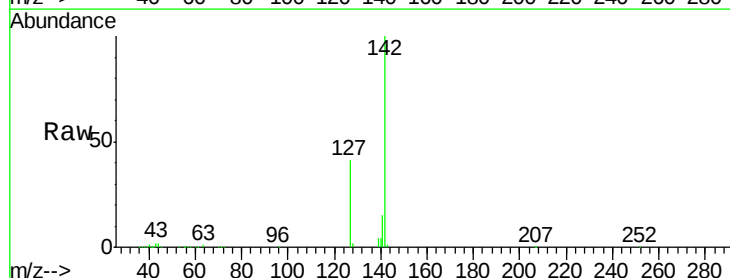
RT: 3.95 min Scan# 733

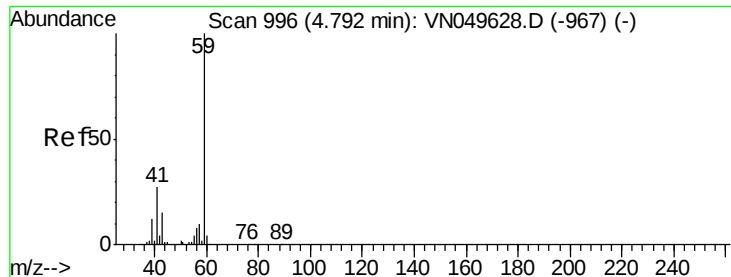
Delta R.T. 0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	304084		
127	41.8	32.5	48.7	
141	14.4	11.1	16.7	





#11

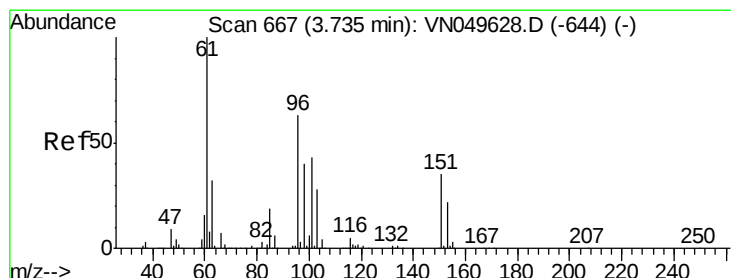
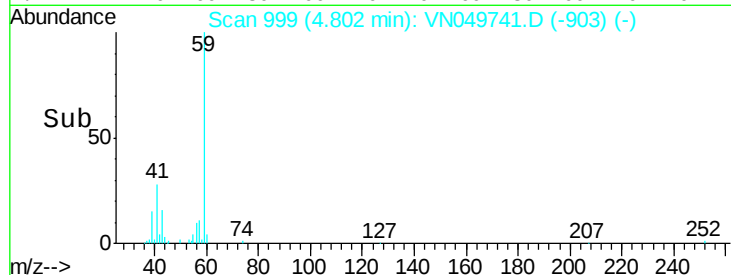
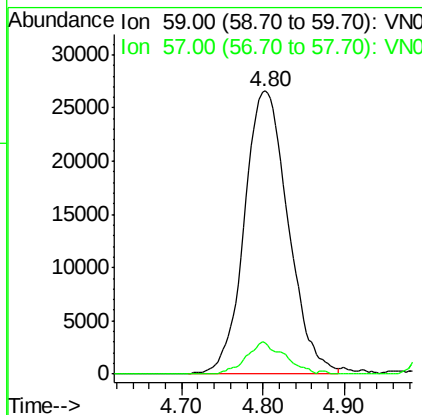
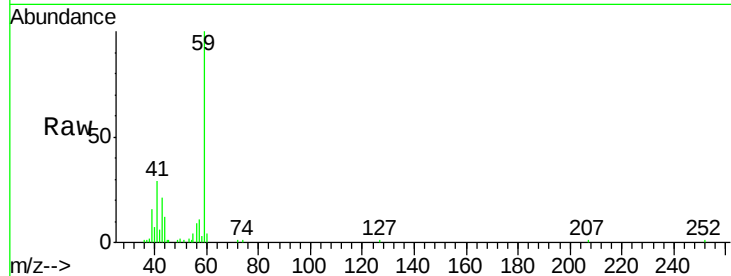
Tert butyl alcohol
 Concen: 125.258 ug/l
 RT: 4.80 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBSD01

Tot Ion: 59 Resp: 99046
 Ion Ratio Lower Upper
 59 100
 57 9.9 8.5 12.7

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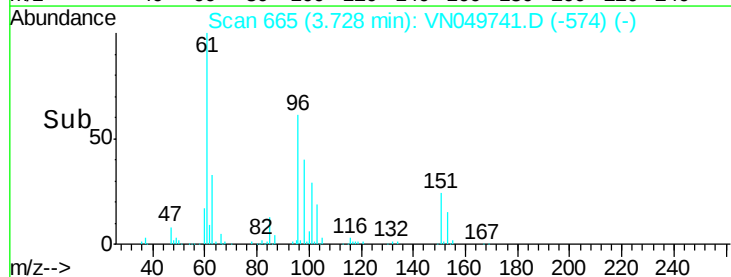
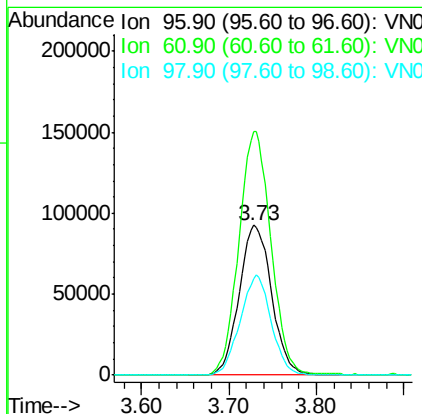
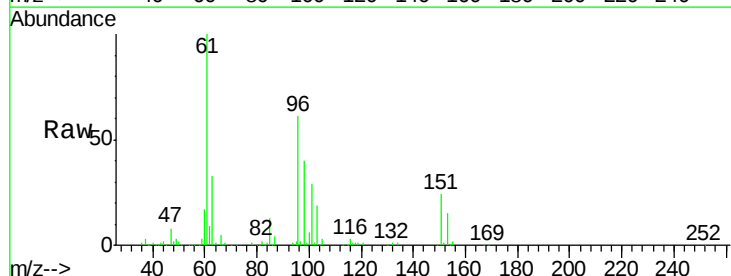
MMDadoda
 7/9/2018 6:00:33 PM

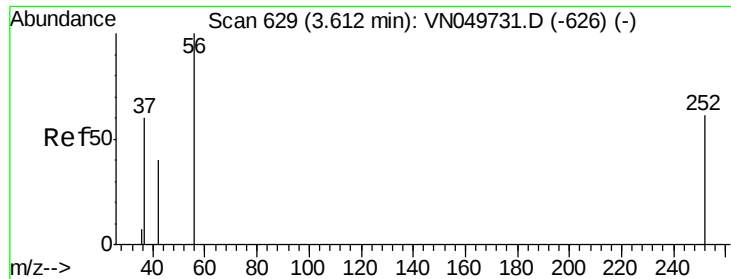


#12

1,1-Dichloroethene
 Concen: 19.453 ug/l
 RT: 3.73 min Scan# 665
 Delta R.T. -0.01 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Tgt Ion: 96 Resp: 238414
 Ion Ratio Lower Upper
 96 100
 61 162.8 126.5 189.7
 98 64.8 51.0 76.6





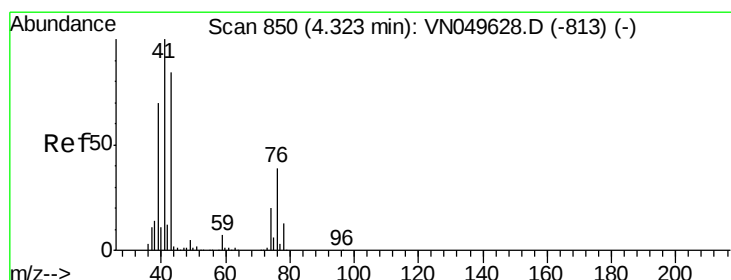
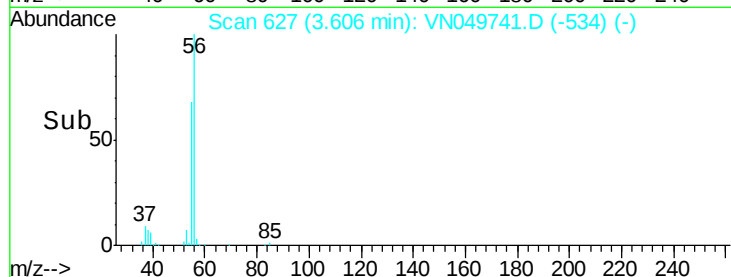
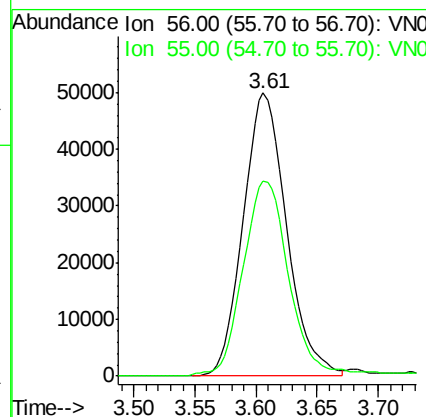
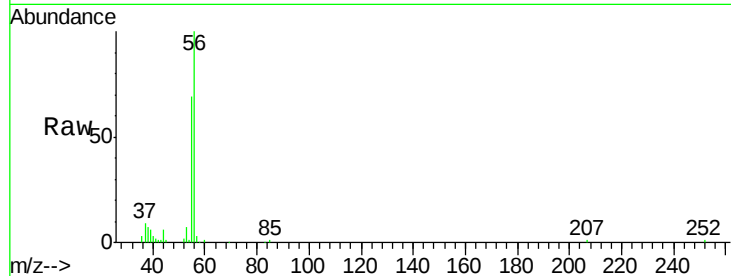
#13
Acrolein
Concen: 166.267 ug/l
RT: 3.61 min Scan# 627
Delta R.T. -0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBSD01

Tot Ion: 56 Resp: 122806
Ion Ratio Lower Upper
56 100
55 72.5 55.8 83.8

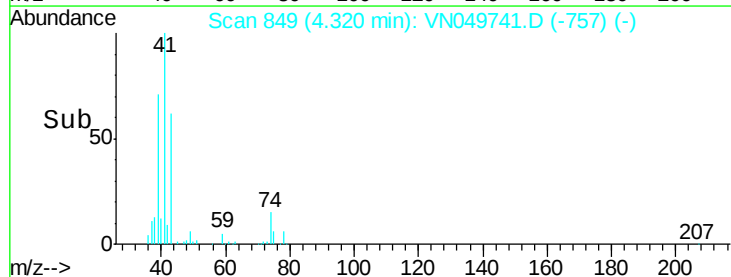
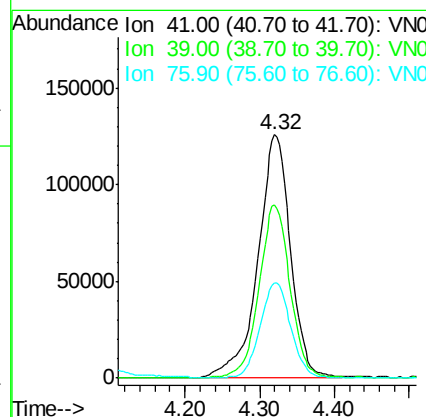
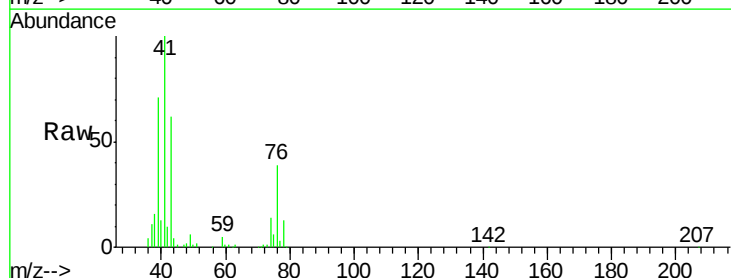
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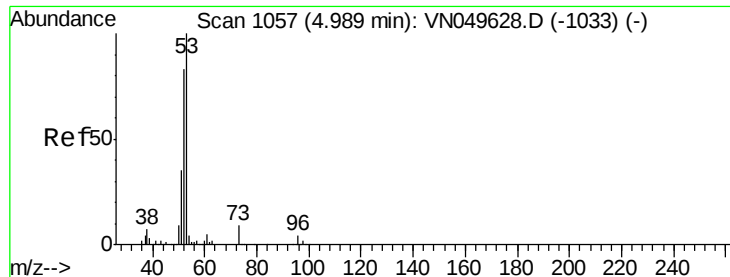
MMDadoda
7/9/2018 6:00:33 PM



#14
Allyl chloride
Concen: 22.524 ug/l
RT: 4.32 min Scan# 849
Delta R.T. -0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Tgt Ion: 41 Resp: 379183
Ion Ratio Lower Upper
41 100
39 68.1 53.2 79.8
76 37.2 29.0 43.6





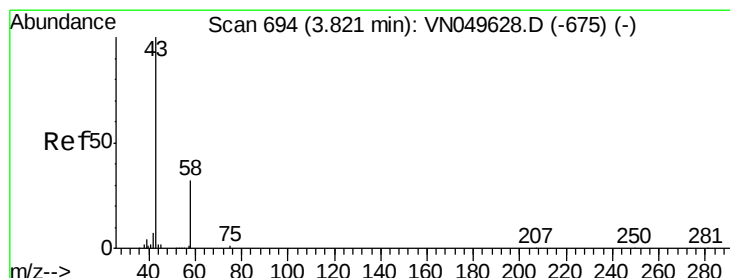
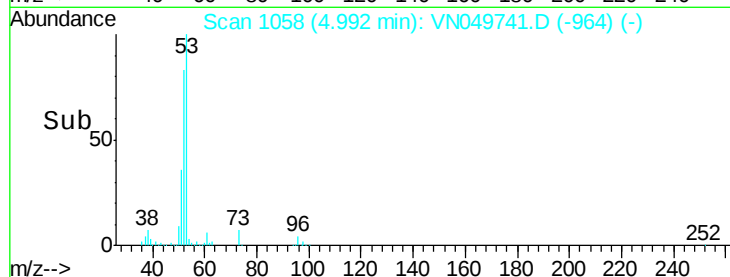
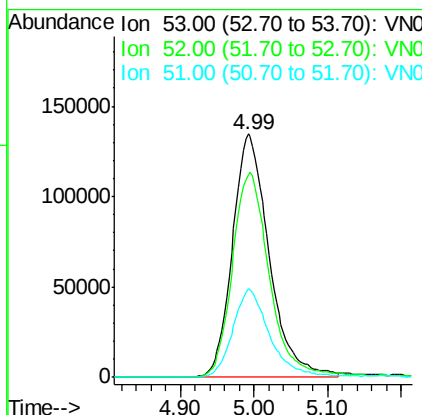
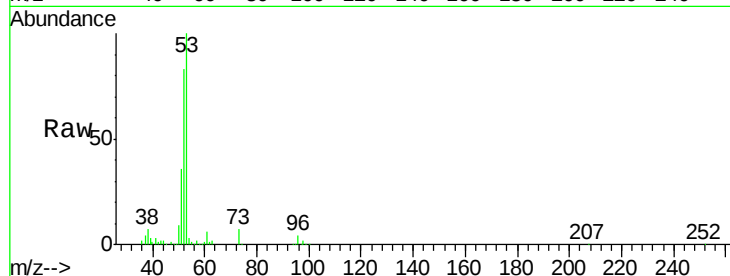
#15
 Acrylonitrile
 Concen: 114.505 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN0706WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.6	64.8	97.2
51	36.7	28.9	43.3

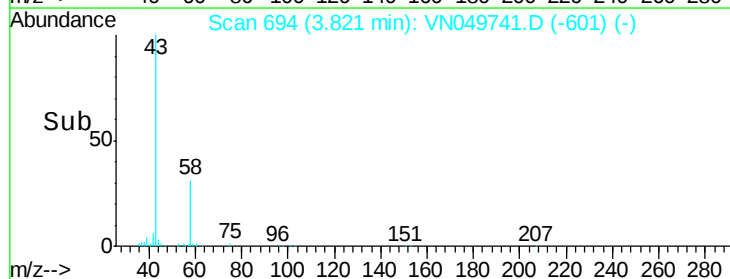
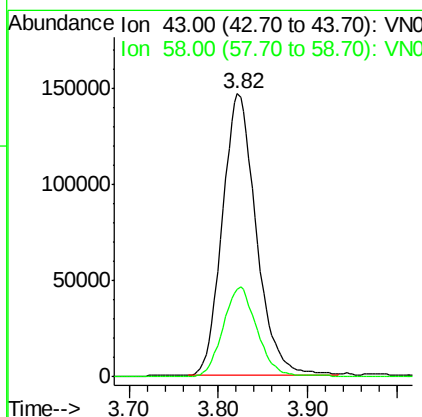
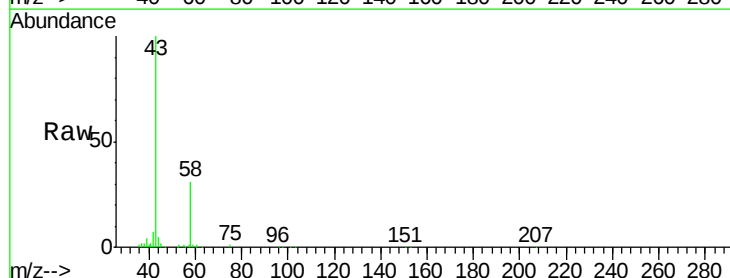
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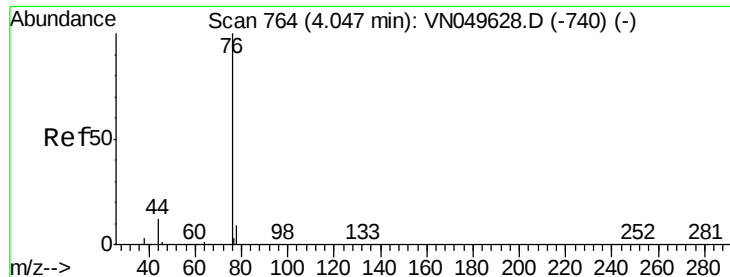
MMDadoda
 7/9/2018 6:00:33 PM



#16
 Acetone
 Concen: 134.824 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	30.8	25.9	38.9





#17

Carbon Disulfide

Concen: 18.560 ug/l

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Instrument :

MSVOA_N

ClientSampled :

VN0706WBSD01

Tot Ion: 76 Resp: 633670

Ion Ratio Lower Upper

76 100

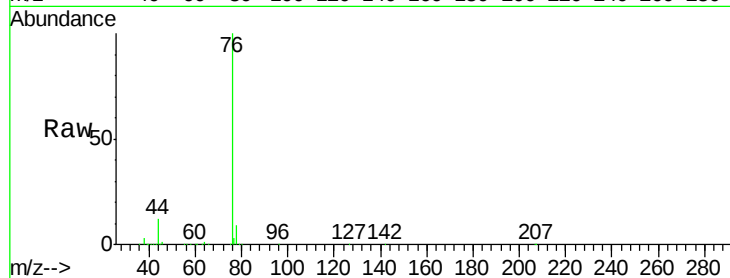
78 9.0 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

250000

200000

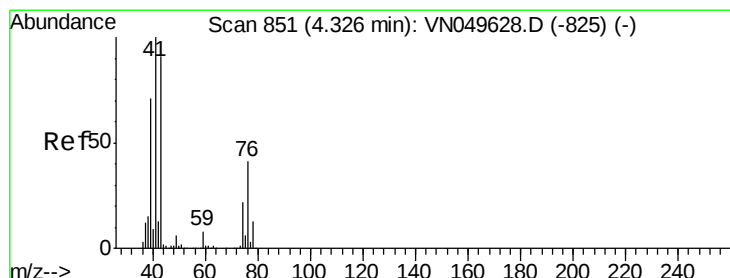
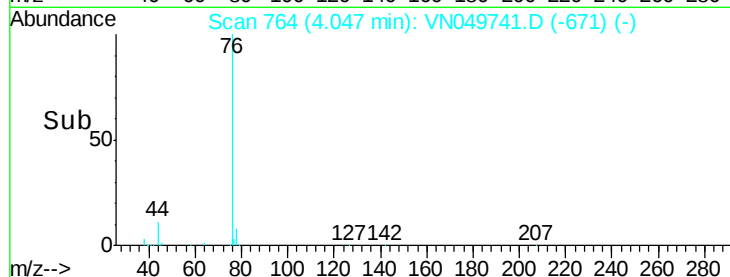
150000

100000

50000

0

Time--> 3.90 4.00 4.10 4.20



#18

Methyl Acetate

Concen: 18.368 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049741.D

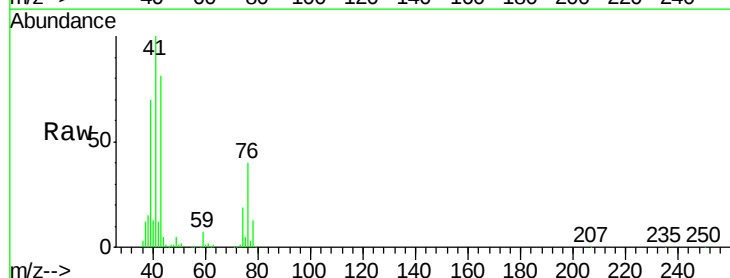
Acq: 6 Jul 2018 16:12

Tgt Ion: 43 Resp: 266317

Ion Ratio Lower Upper

43 100

74 23.7 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

100000

80000

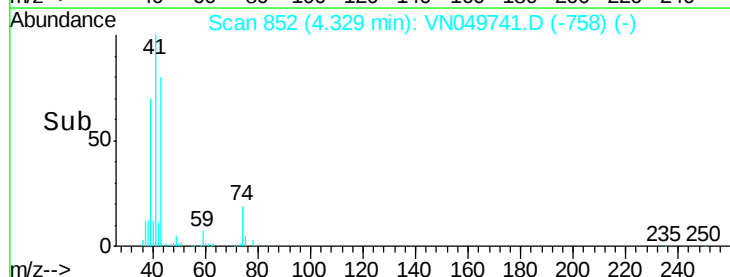
60000

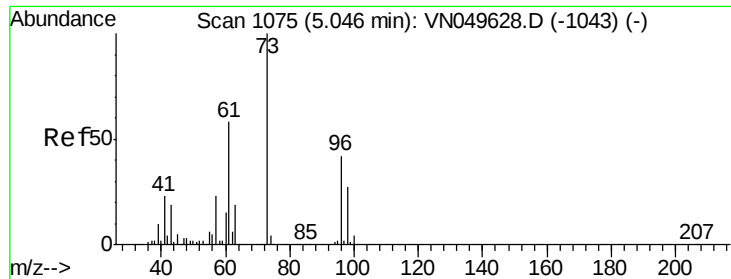
40000

20000

0

Time--> 4.20 4.30 4.40





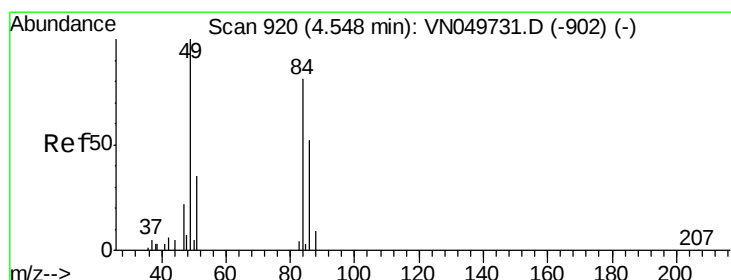
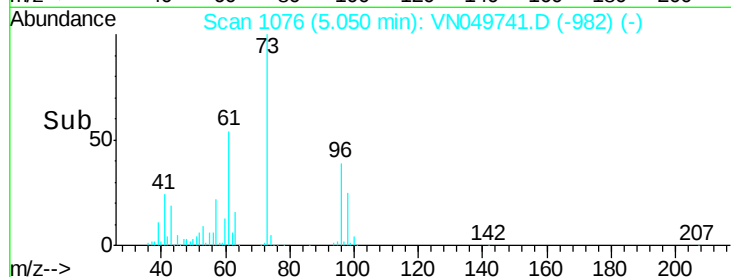
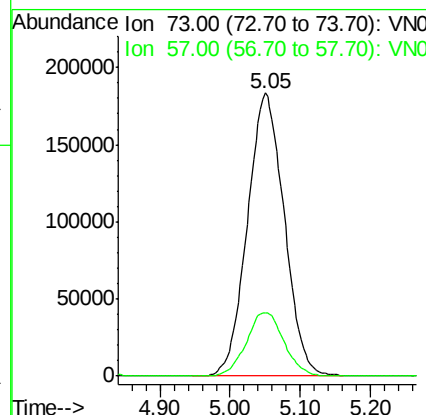
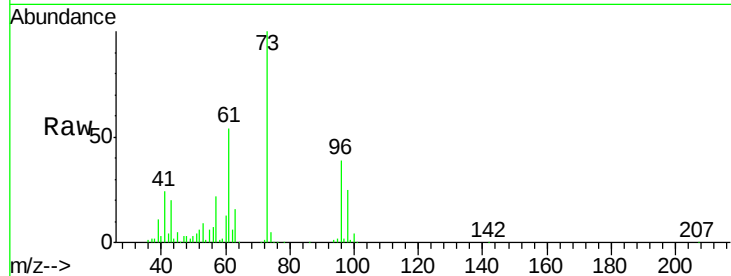
#19
Methvl tert-butvl Ether
Concen: 21.117 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBSD01

Tot Ion: 73 Resp: 667156
Ion Ratio Lower Upper
73 100
57 22.4 18.1 27.1

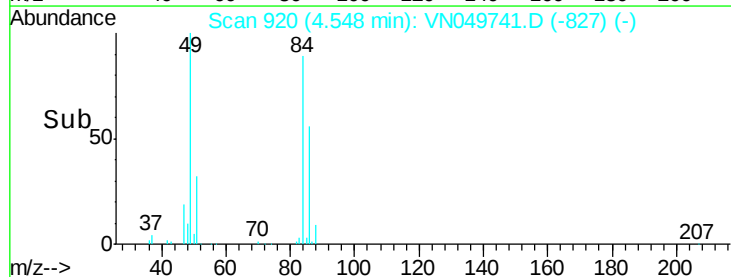
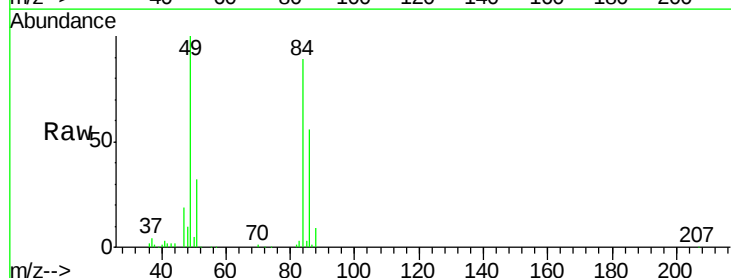
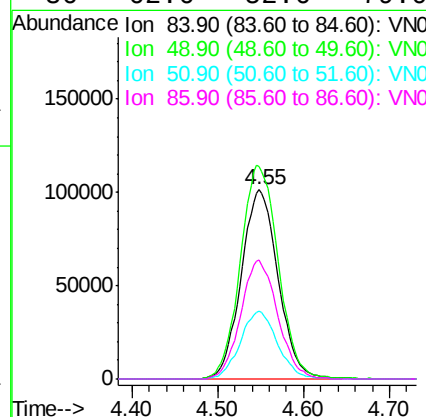
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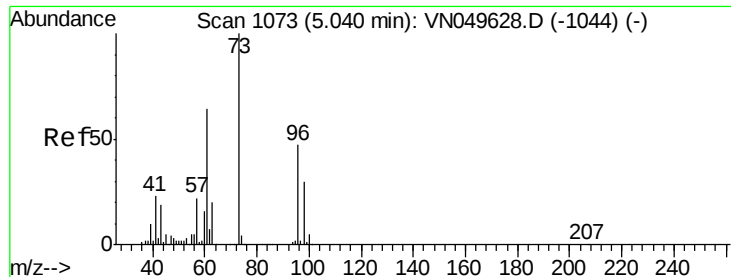
MMDadoda
7/9/2018 6:00:33 PM



#20
Methylene Chloride
Concen: 21.327 ug/l
RT: 4.55 min Scan# 920
Delta R.T. -0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Tgt Ion: 84 Resp: 302619
Ion Ratio Lower Upper
84 100
49 112.5 95.4 143.2
51 36.0 28.4 42.6
86 62.6 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 19.778 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. 0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Instrument :

MSVOA_N

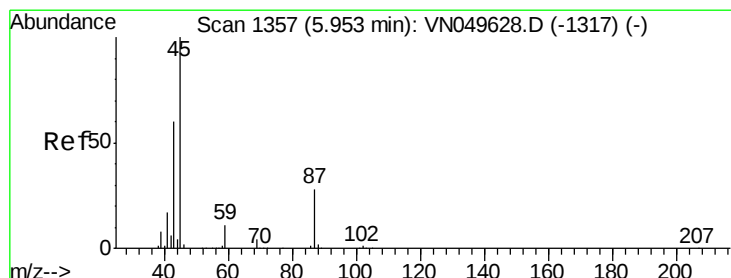
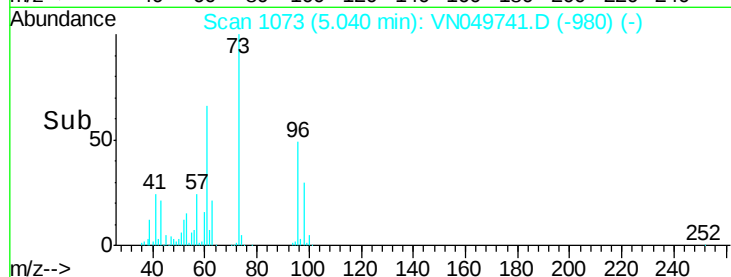
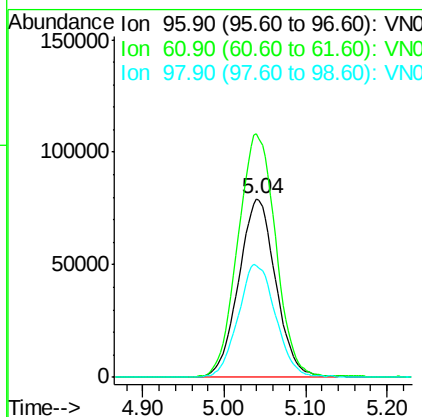
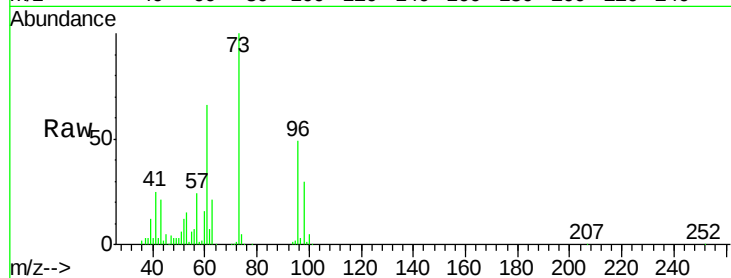
ClientSampleId :

VN0706WBSD01

Tot Ion:	96	Resp:	249463
Ion	Ratio	Lower	Upper
96	100		
61	136.1	109.0	163.6
98	62.7	51.1	76.7

Manual Integrations
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7/9/2018 6:00:33 PM



#22

Diisopropyl ether

Concen: 21.341 ug/l

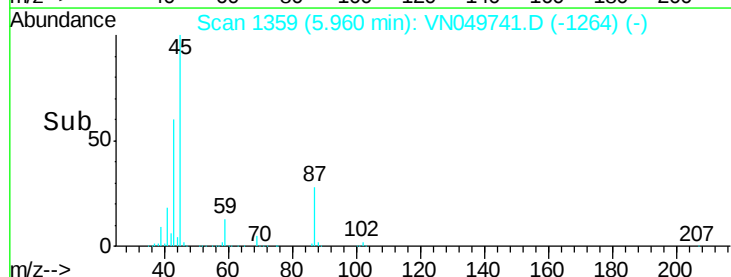
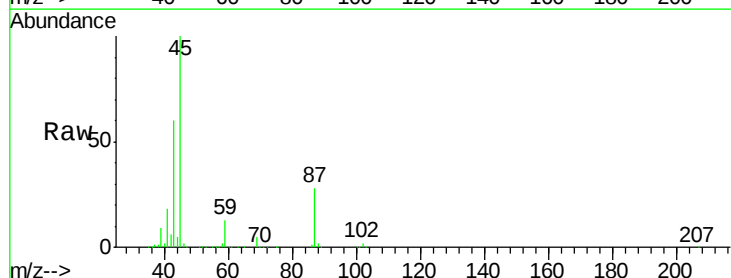
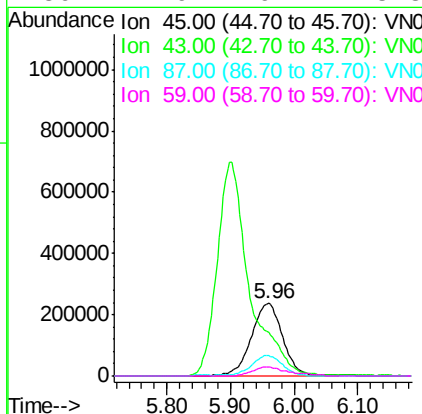
RT: 5.96 min Scan# 1359

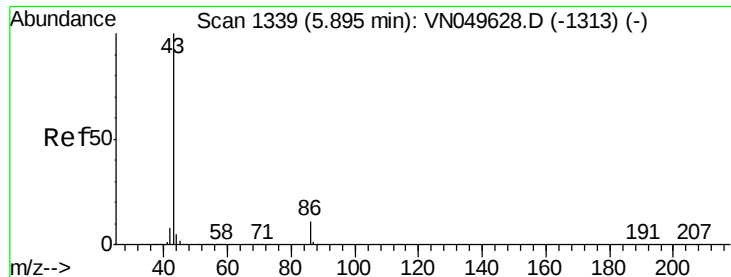
Delta R.T. 0.01 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Tgt Ion:	45	Resp:	812840
Ion	Ratio	Lower	Upper
45	100		
43	59.2	48.1	72.1
87	27.3	22.6	34.0
59	12.9	9.2	13.8





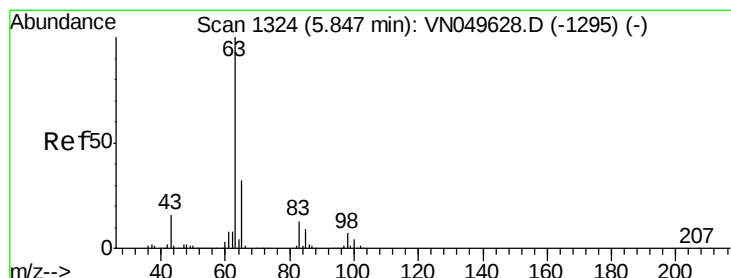
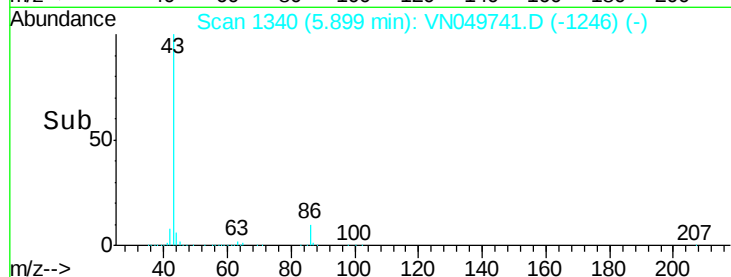
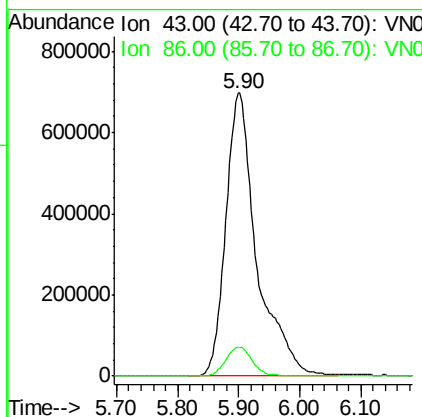
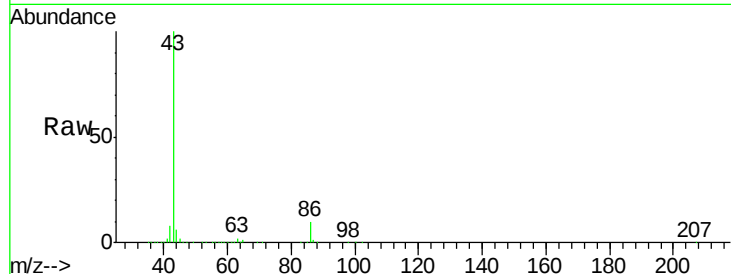
#23
 Vinyl Acetate
 Concen: 99.682 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBSD01

Tot Ion: 43 Resp: 2462026
 Ion Ratio Lower Upper
 43 100
 86 10.3 8.4 12.6

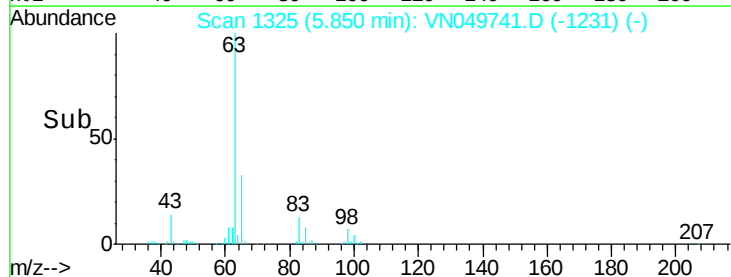
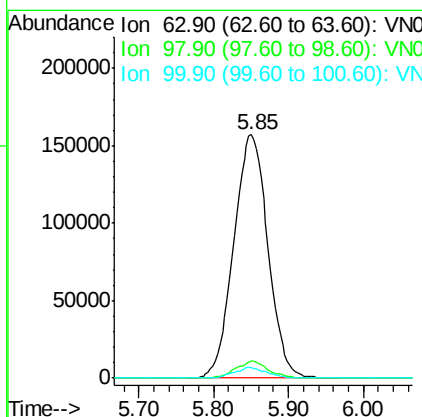
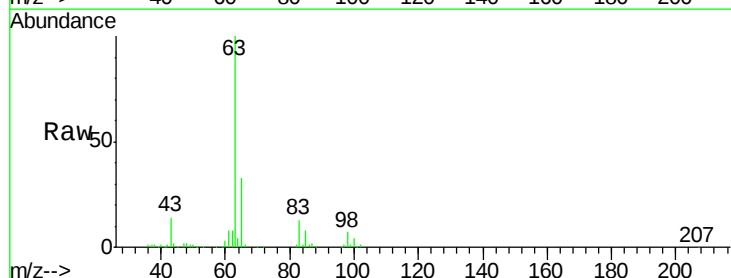
Manual Integrations
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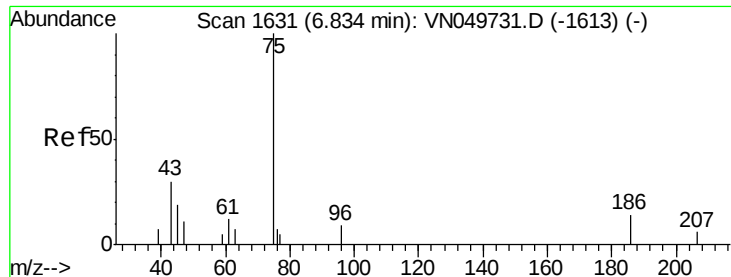
MMDadoda
 7/9/2018 6:00:33 PM



#24
 1,1-Dichloroethane
 Concen: 20.781 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. 0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Tgt Ion: 63 Resp: 498636
 Ion Ratio Lower Upper
 63 100
 98 7.1 3.4 10.2
 100 4.2 2.2 6.6





#25

2-Butanone

Concen: 121.990 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0706WBSD01

Tot Ion: 43 Resp: 558053

Ion Ratio Lower Upper

43 100

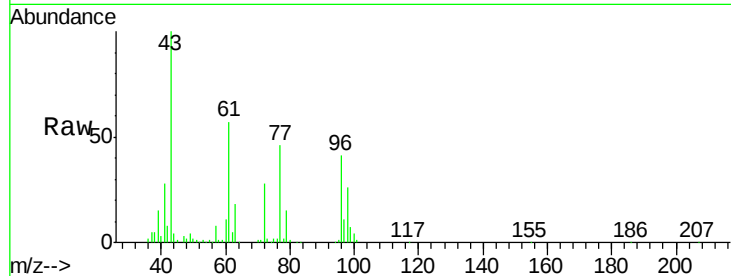
72 27.8 22.1 33.1

Manual Integrations

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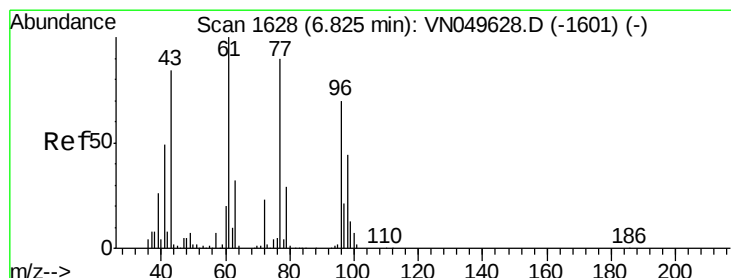
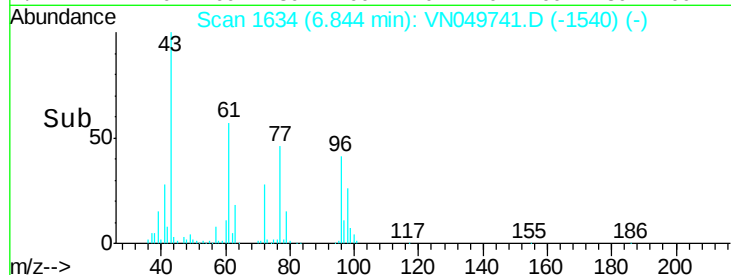
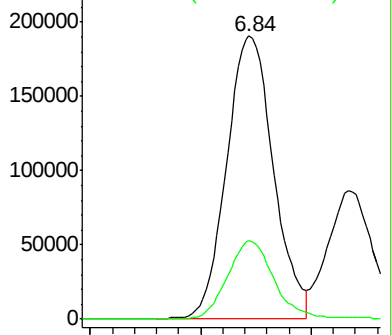
MMDadoda

7/9/2018 6:00:33 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 20.745 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN049741.D

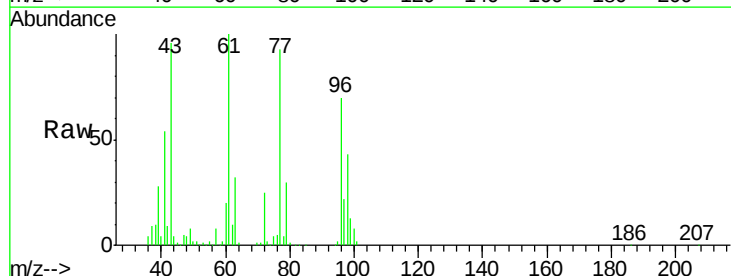
Acq: 6 Jul 2018 16:12

Tgt Ion: 77 Resp: 413408

Ion Ratio Lower Upper

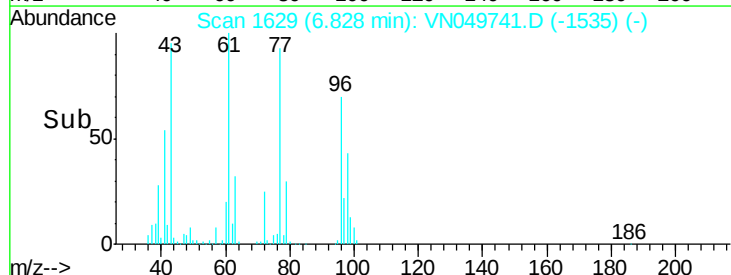
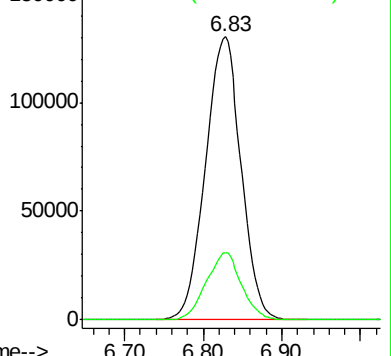
77 100

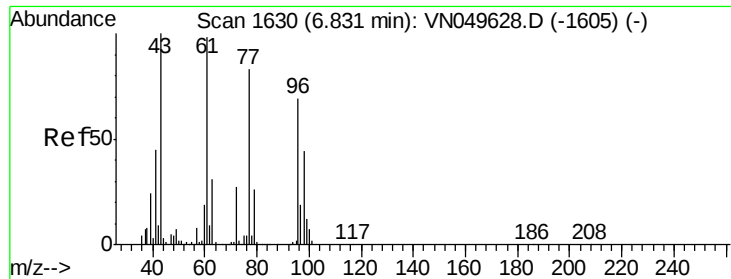
97 23.5 11.9 35.5



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.554 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Instrument :

MSVOA_N

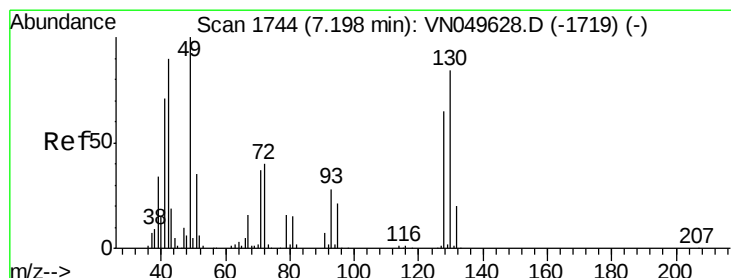
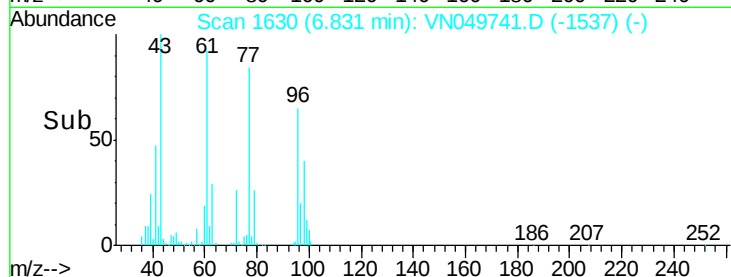
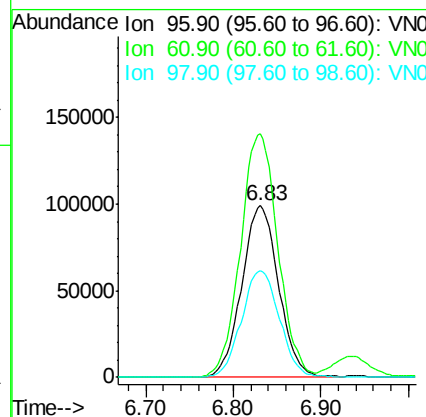
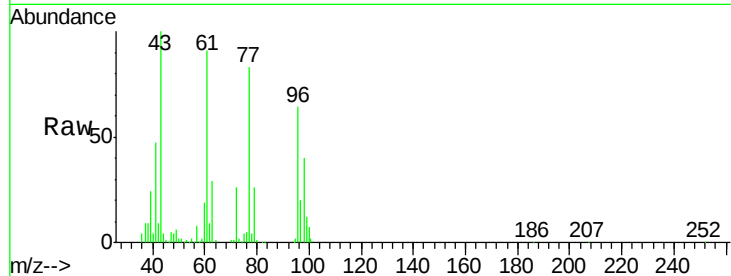
ClientSampleId :

VN0706WBSD01

Tot Ion:	96	Resp:	289596
Ion Ratio	Lower	Upper	
96	100		
61	143.7	0.0	289.0
98	63.9	0.0	130.2

Manual Integrations
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MMDadoda
7/9/2018 6:00:33 PM



#28

Bromochloromethane

Concen: 21.836 ug/l

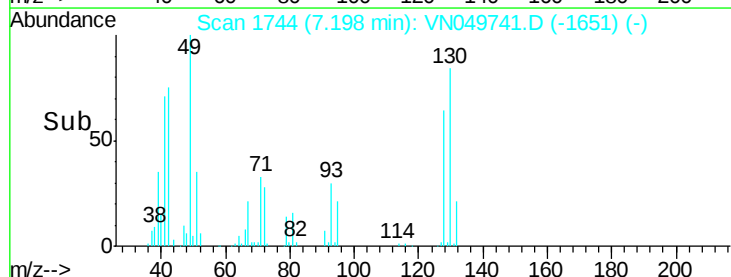
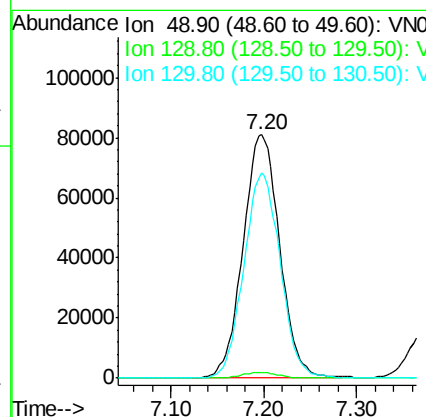
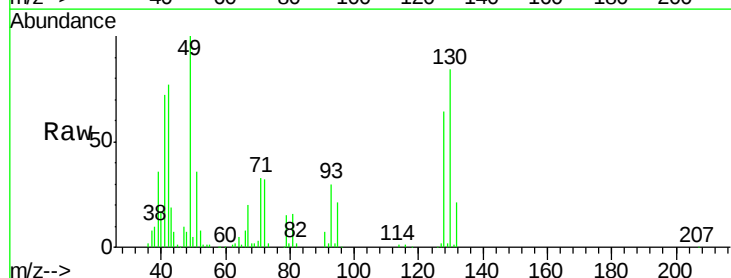
RT: 7.20 min Scan# 1744

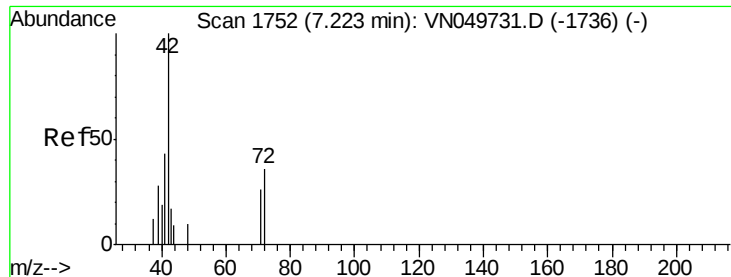
Delta R.T. -0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Tgt Ion:	49	Resp:	222375
Ion Ratio	Lower	Upper	
49	100		
129	2.3	0.0	4.2
130	84.0	65.5	98.3





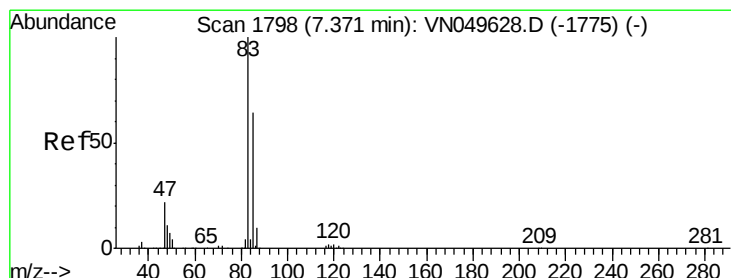
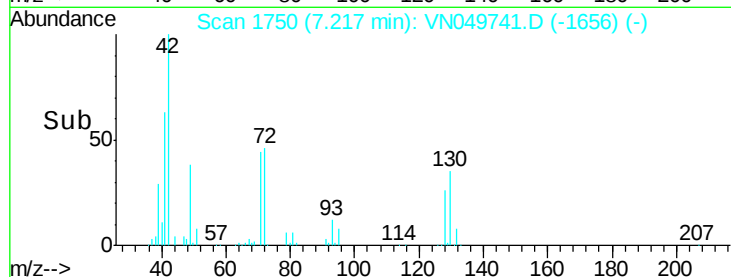
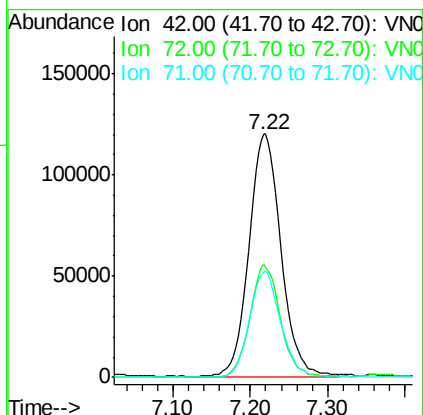
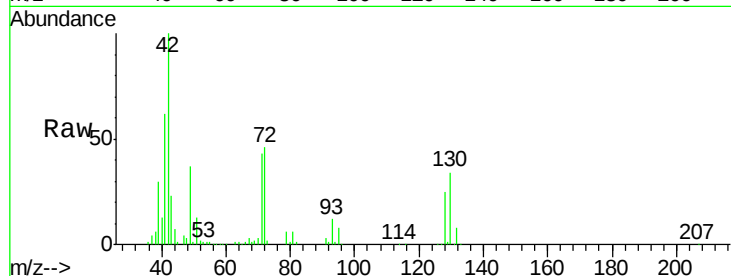
#29
Tetrahydrofuran
Concen: 119.340 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.6	53.4
71	42.2	34.0	51.0

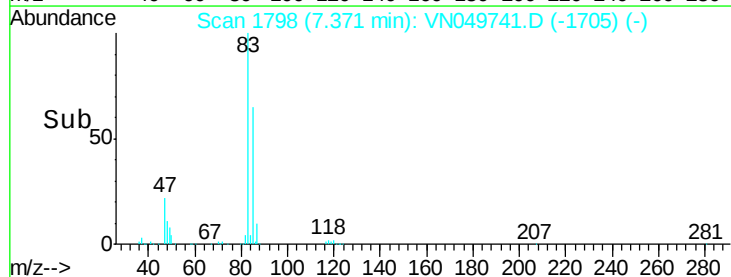
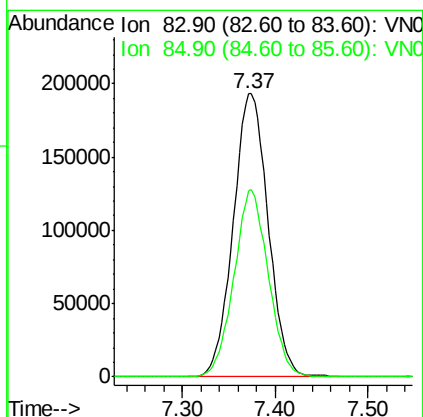
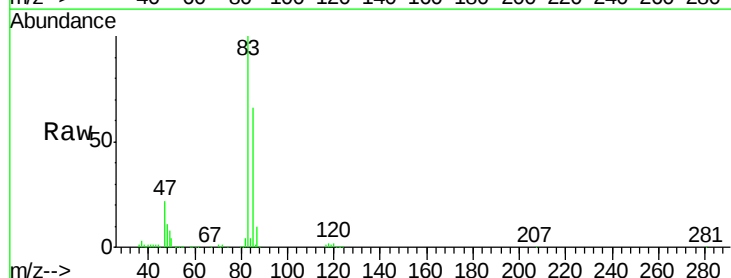
Manual Integrations
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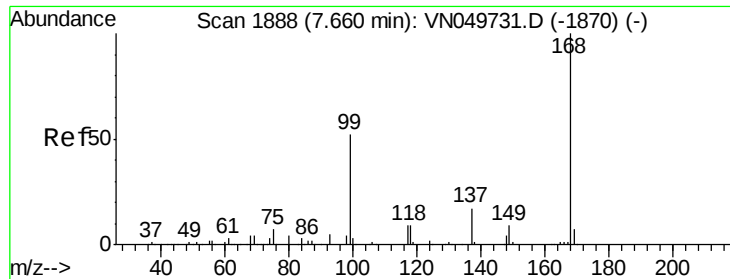
MMDadoda
7/9/2018 6:00:33 PM



#30
Chloroform
Concen: 20.664 ug/l
RT: 7.37 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.4	77.2





#31

Cyclohexane

Concen: 18.886 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Instrument :

MSVOA_N

ClientSampled :

VN0706WBSD01

Tot Ion: 56 Resp: 397930

Ion Ratio Lower Upper

56 100

69 36.9 26.6 40.0

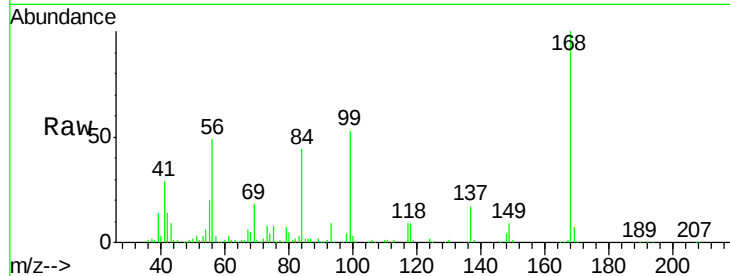
84 87.6 69.0 103.6

Manual Integrations

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MMDadoda

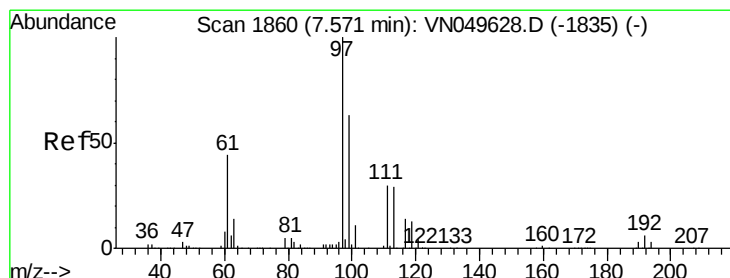
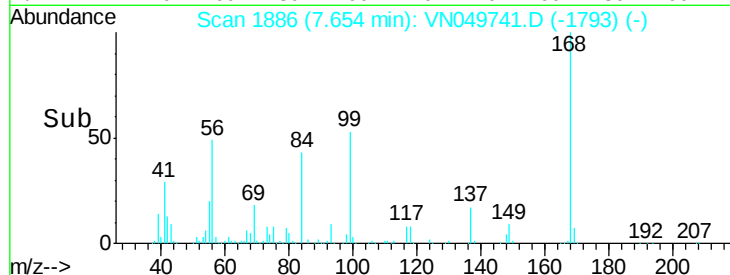
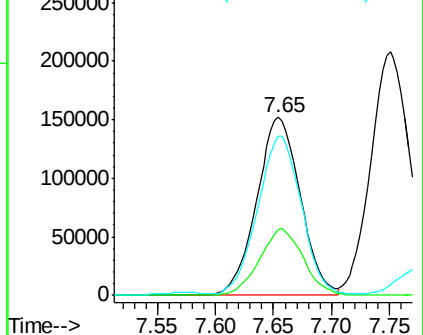
7/9/2018 6:00:33 PM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.770 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. 0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

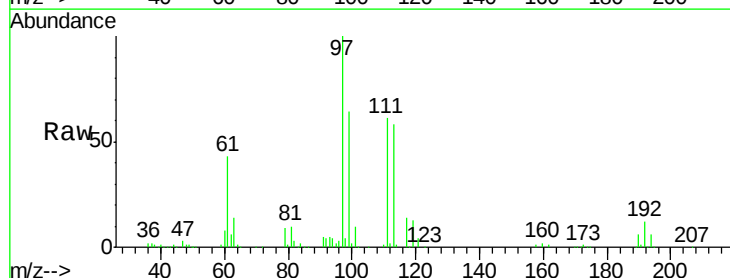
Tgt Ion: 97 Resp: 430110

Ion Ratio Lower Upper

97 100

99 64.9 51.0 76.4

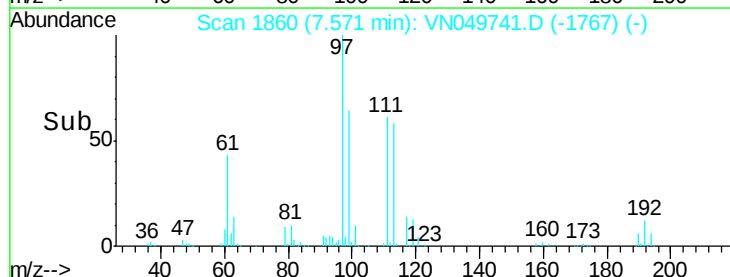
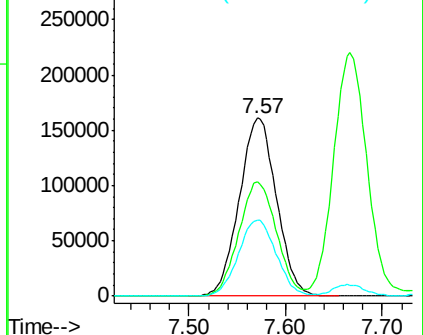
61 43.4 35.5 53.3

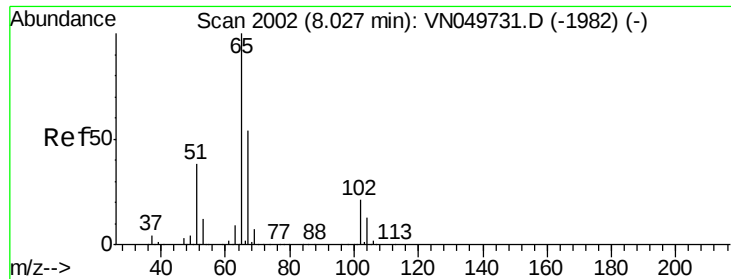


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





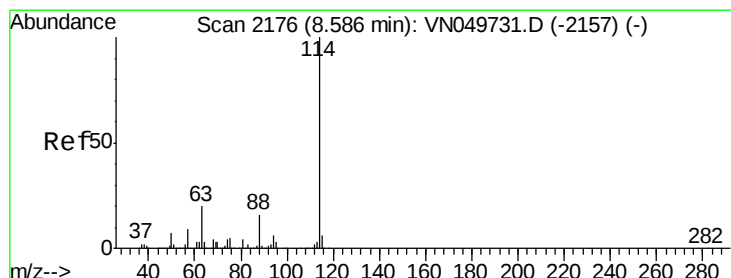
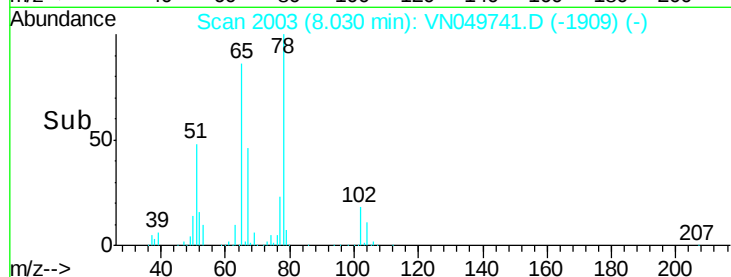
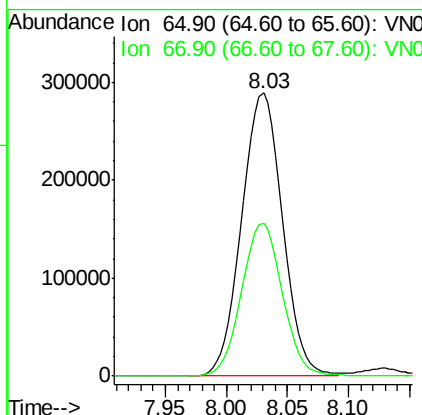
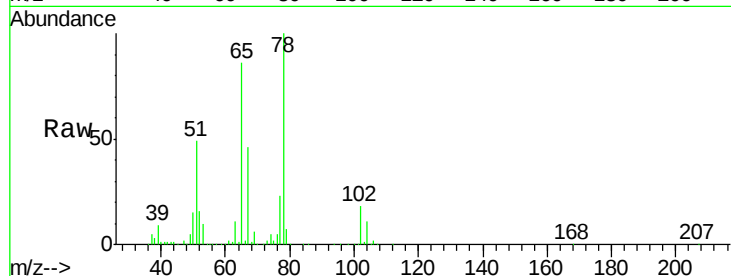
#33
 1,2-Dichloroethane-d4
 Concen: 48.634 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBSD01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.7	0.0	107.2

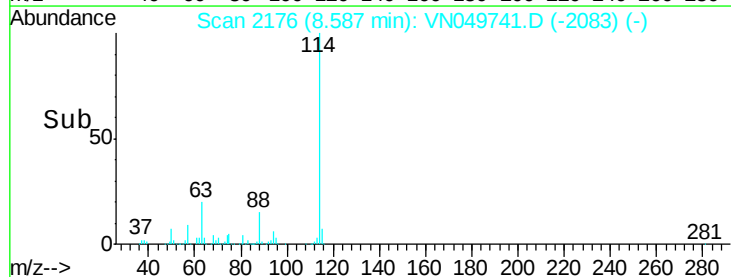
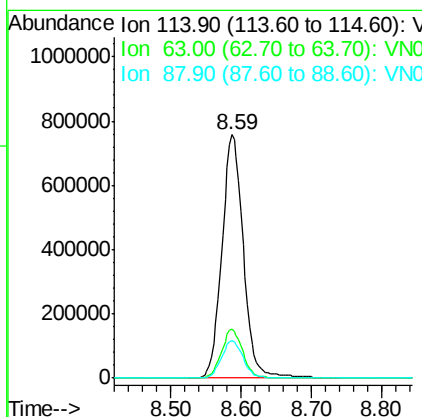
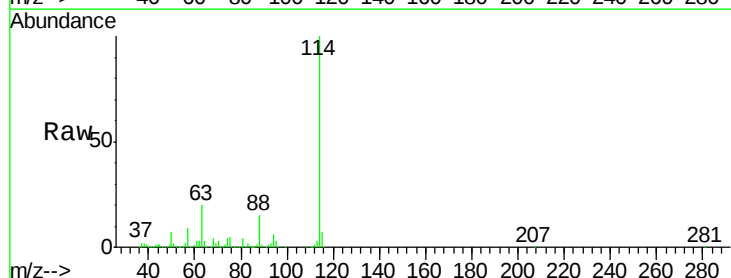
Manual Integrations
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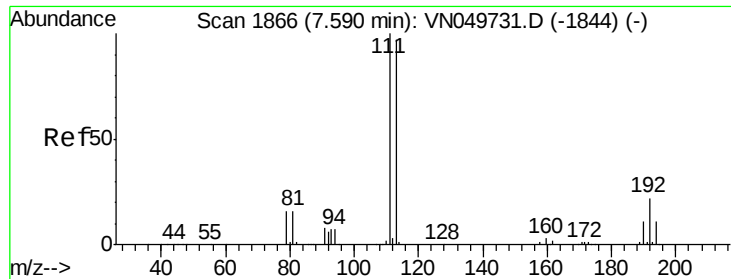
MMDadoda
 7/9/2018 6:00:33 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	39.8
88	15.3	0.0	30.6





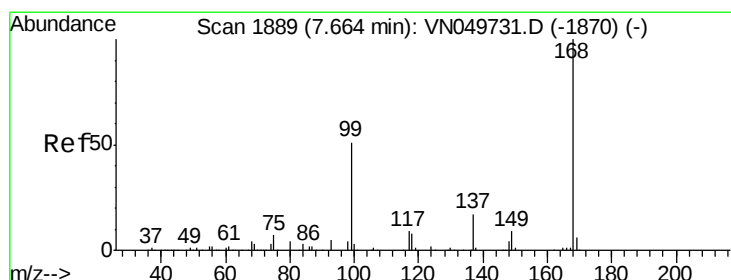
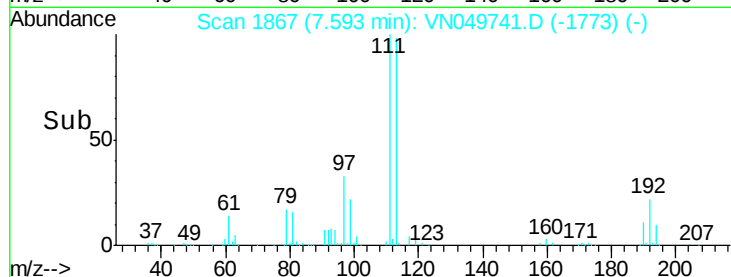
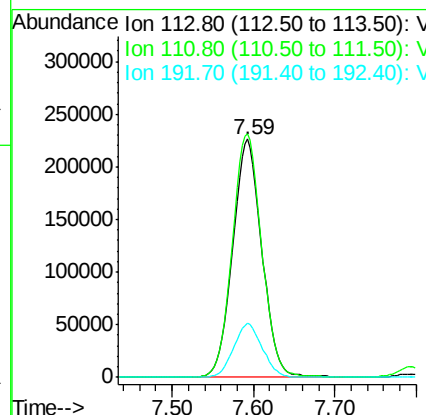
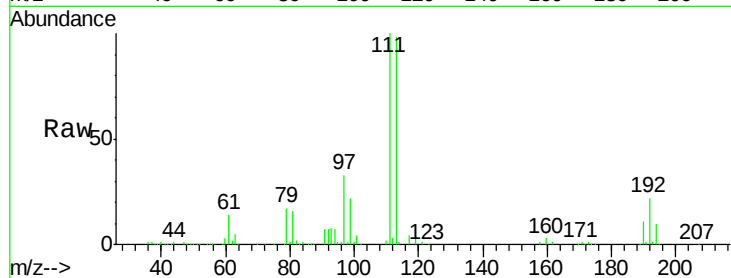
#35
Dibromofluoromethane
Concen: 46.859 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	81.8	122.8	
192	22.3	17.8	26.6	

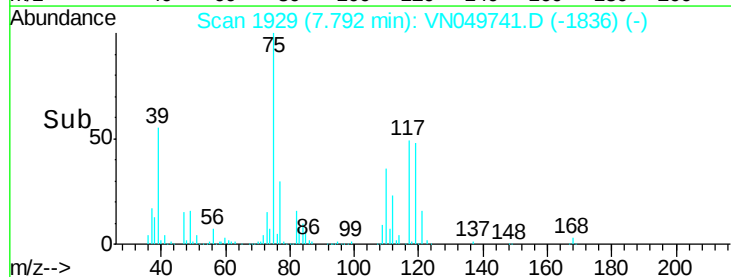
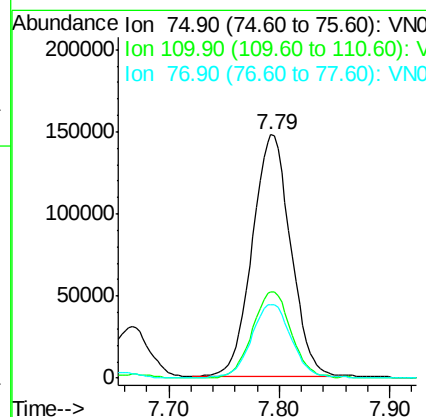
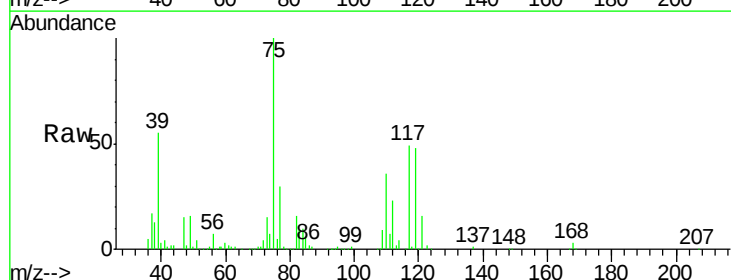
Manual Integrations
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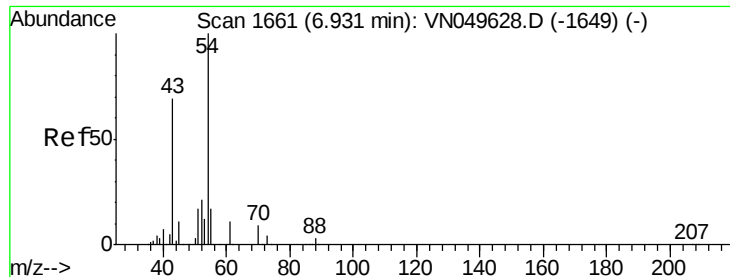
MMDadoda
7/9/2018 6:00:33 PM



#36
1,1-Dichloropropene
Concen: 19.608 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.1	18.1	54.4	
77	31.8	24.9	37.3	





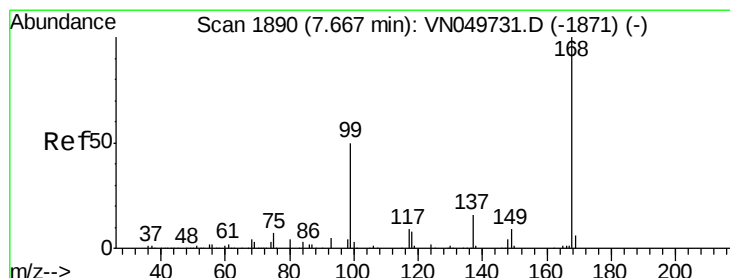
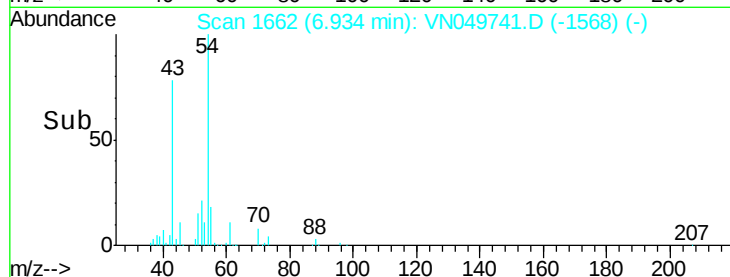
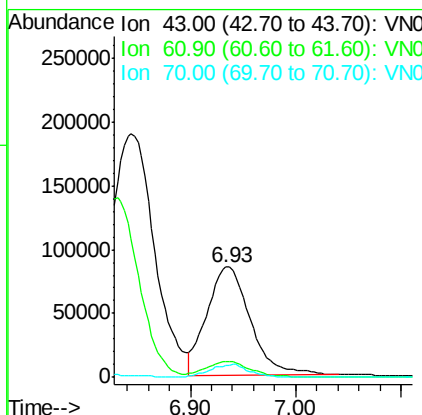
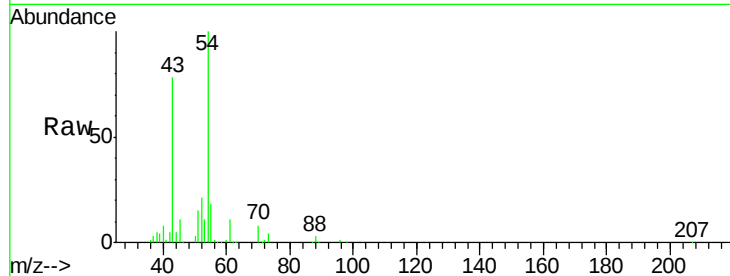
#37
Ethyl Acetate
Concen: 23.095 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Instrument :
MSVOA_N
ClientSampled :
VN0706WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.7	17.5
70	11.0	8.4	12.6

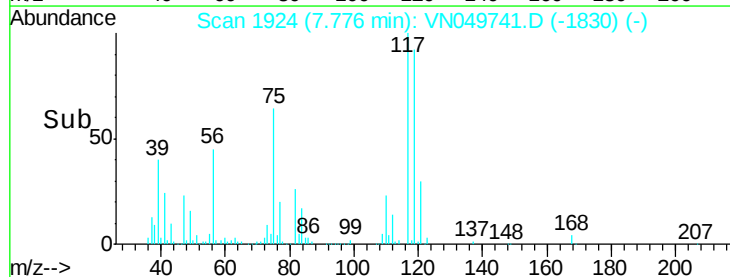
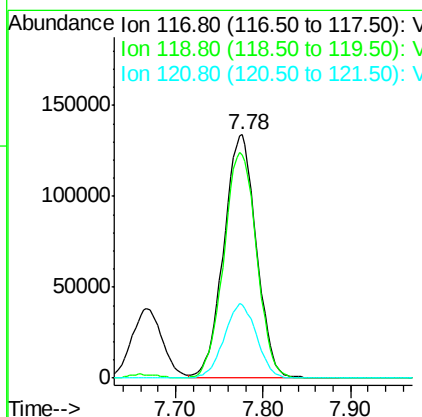
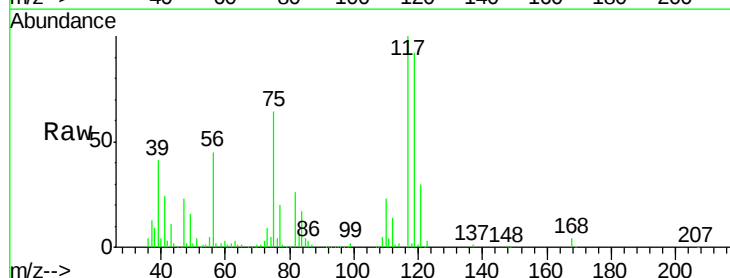
Manual Integrations
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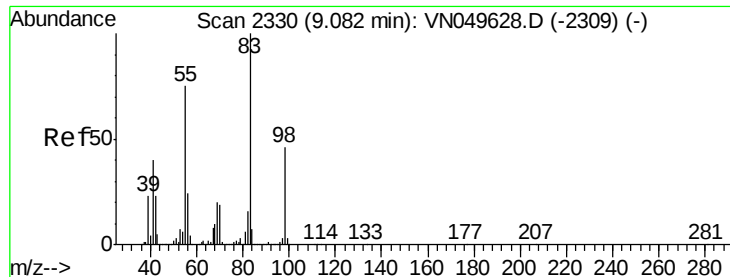
MMDadoda
7/9/2018 6:00:33 PM



#38
Carbon Tetrachloride
Concen: 19.636 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	77.2	115.8
121	30.2	25.0	37.6





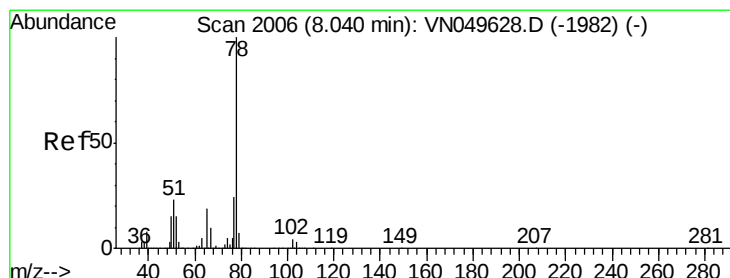
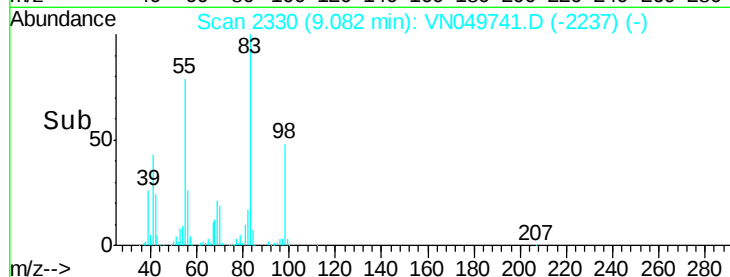
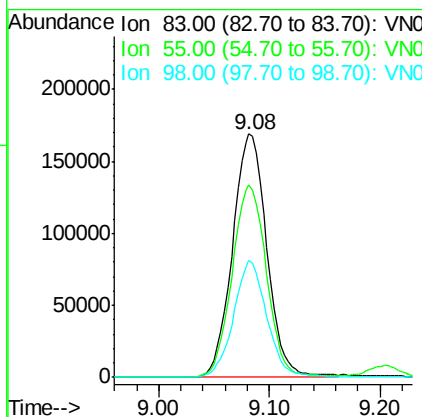
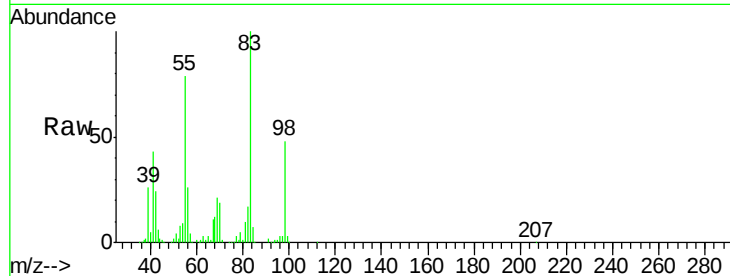
#39
Methvlcvclohexane
Concen: 18.336 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	59.7	89.5
98	47.8	36.5	54.7

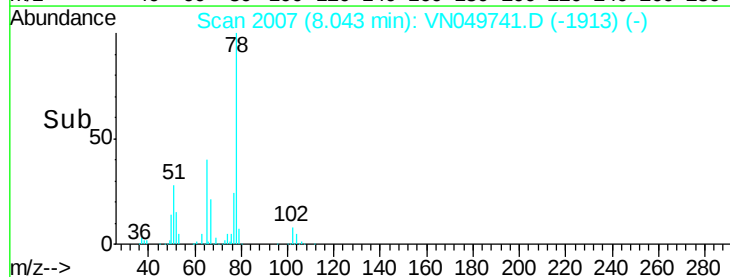
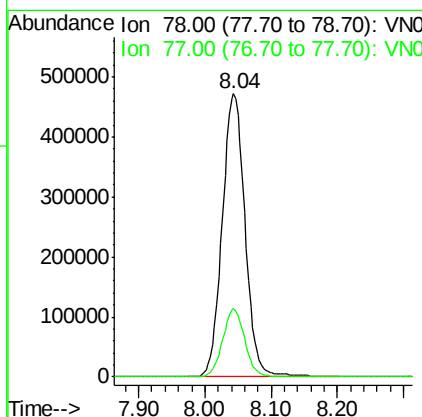
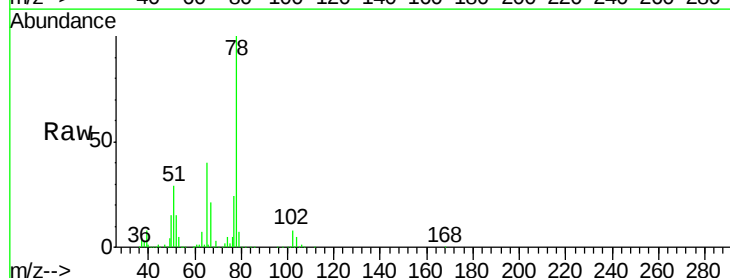
Manual Integrations
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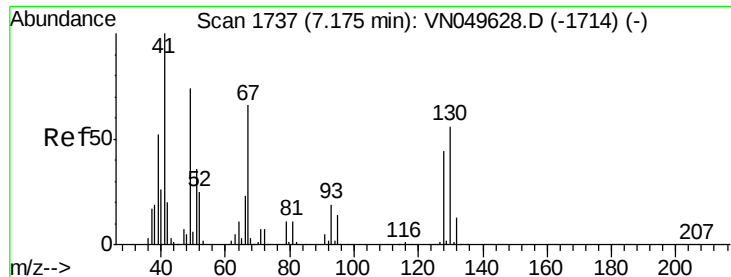
MMDadoda
7/9/2018 6:00:33 PM



#40
Benzene
Concen: 20.406 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.4





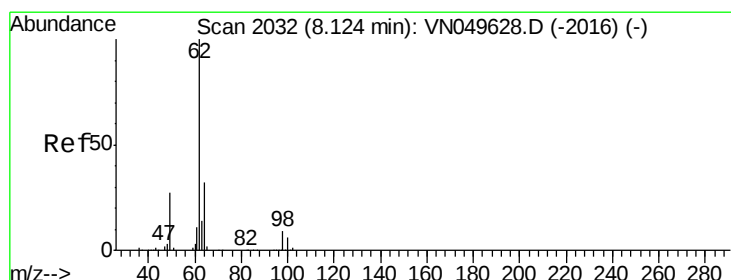
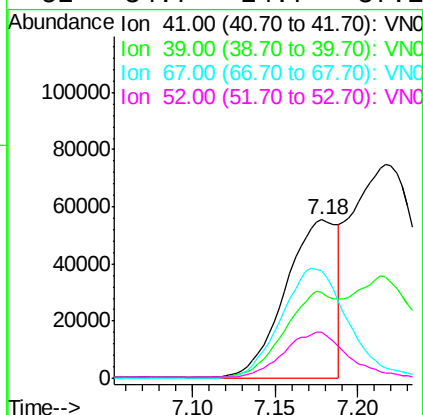
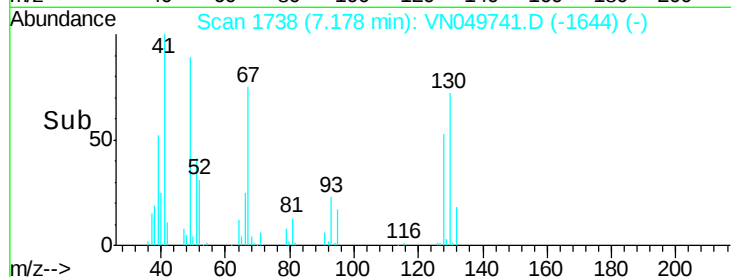
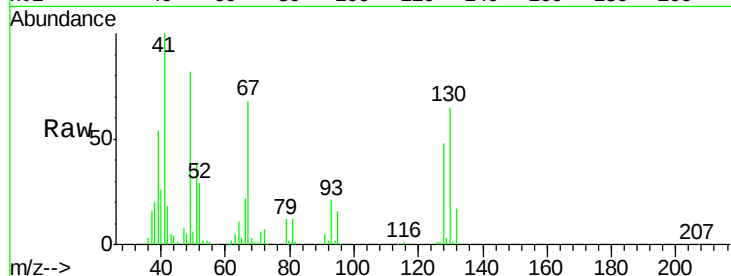
#41
Methacrylonitrile
Concen: 20.217 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBSD01

Tot Ion	41	Resp	120427
Ion Ratio	Lower	Upper	
41	100		
39	53.8	45.4	68.2
67	90.6	65.4	98.0
52	34.7	24.7	37.1

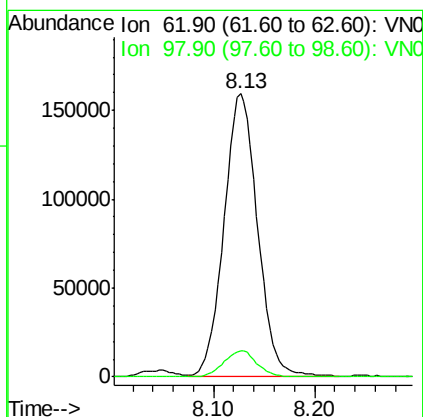
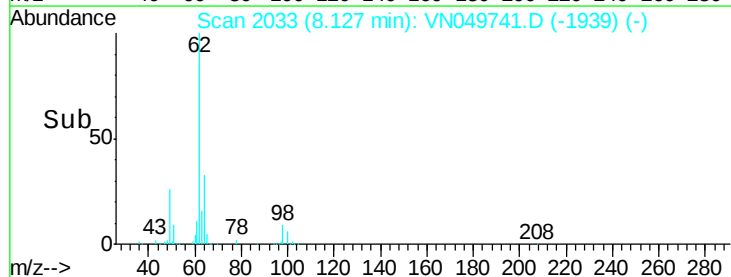
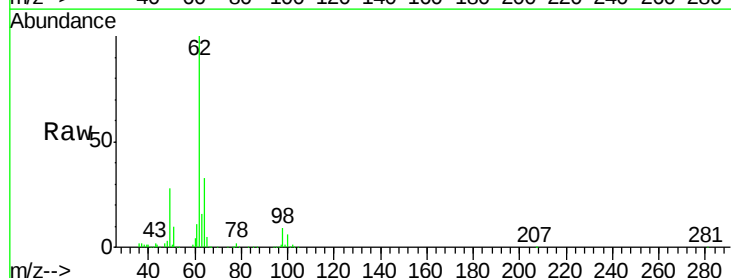
Manual Integrations
APPROVED

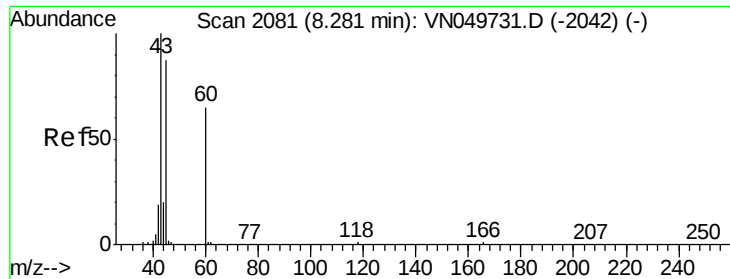
MMDadoda
7/9/2018 6:00:33 PM



#42
1,2-Dichloroethane
Concen: 20.748 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Tgt Ion	62	Resp	366322
Ion Ratio	Lower	Upper	
62	100		
98	9.2	0.0	19.0





#43

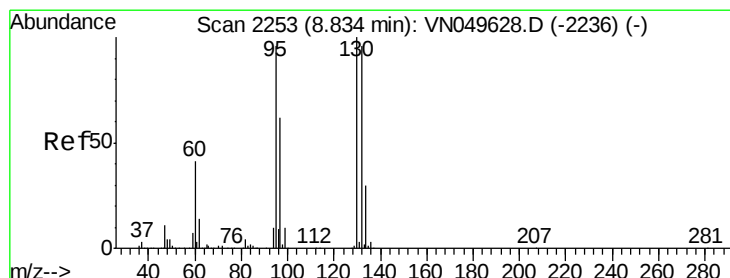
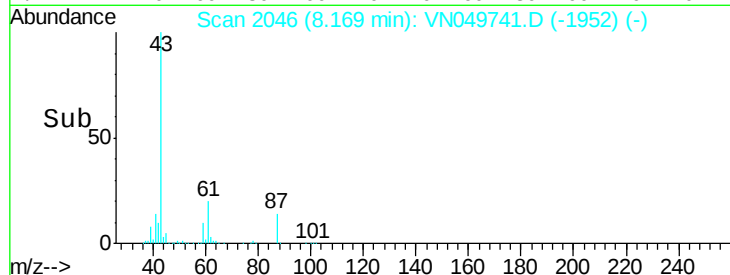
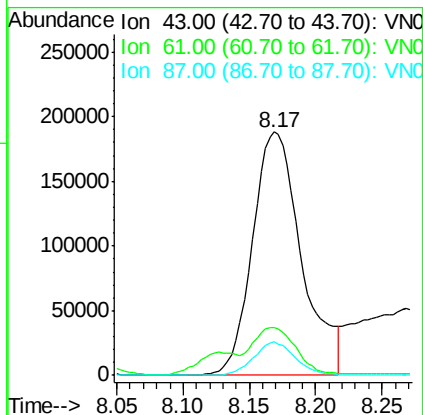
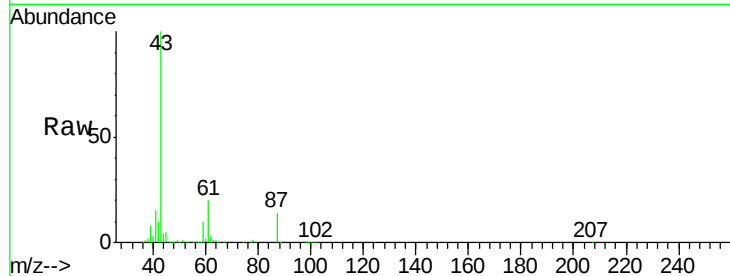
Isopropyl Acetate
 Concen: 22.713 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.7	14.9	22.3
87	11.8	10.0	15.0

Manual Integrations
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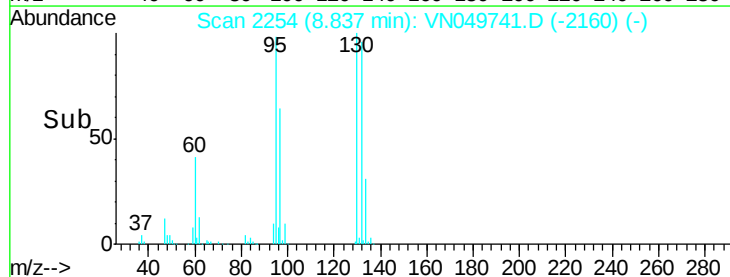
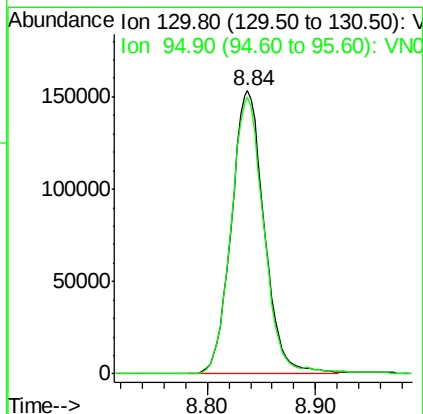
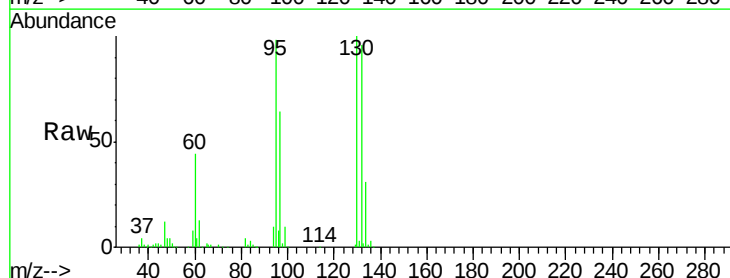
MMDadoda
 7/9/2018 6:00:33 PM

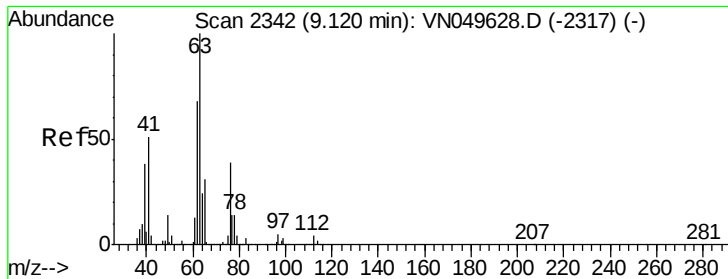


#44

Trichloroethene
 Concen: 19.480 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	192.8





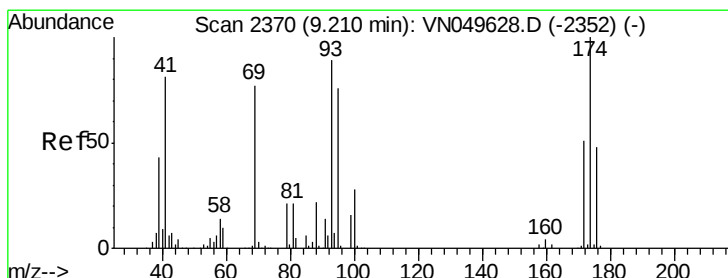
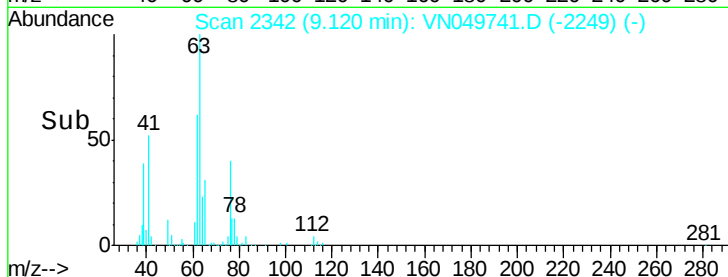
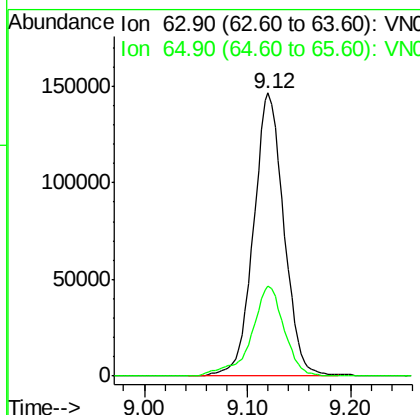
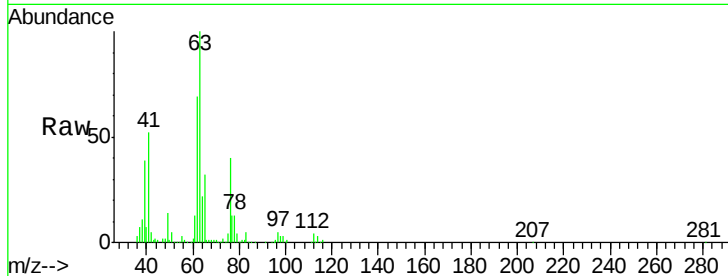
#45
 1,2-Dichloropropane
 Concen: 20.872 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBSD01

Tot Ion: 63 Resp: 298323
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.7 37.1

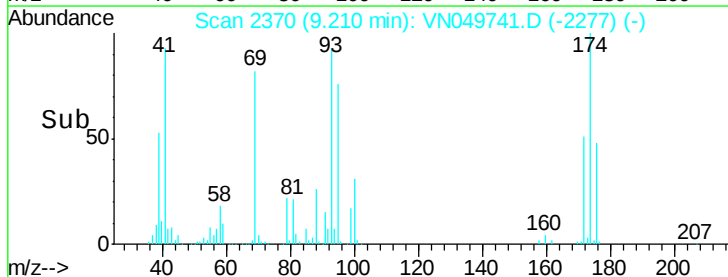
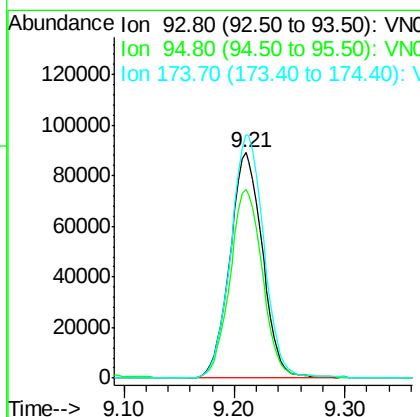
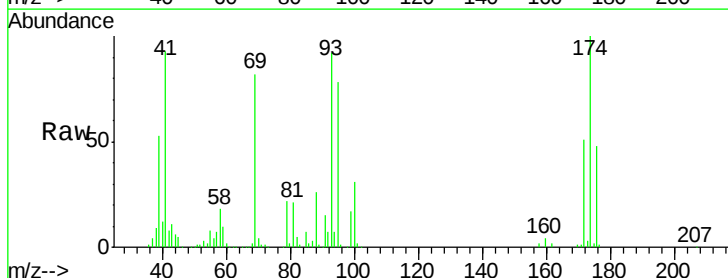
Manual Integrations
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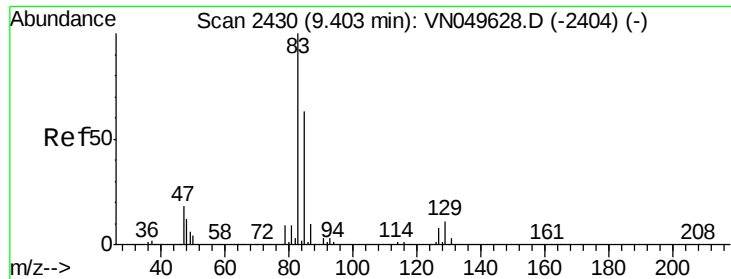
MMDadoda
 7/9/2018 6:00:33 PM



#46
 Dibromomethane
 Concen: 21.189 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Tgt Ion: 93 Resp: 183224
 Ion Ratio Lower Upper
 93 100
 95 83.9 67.9 101.9
 174 109.0 89.4 134.0





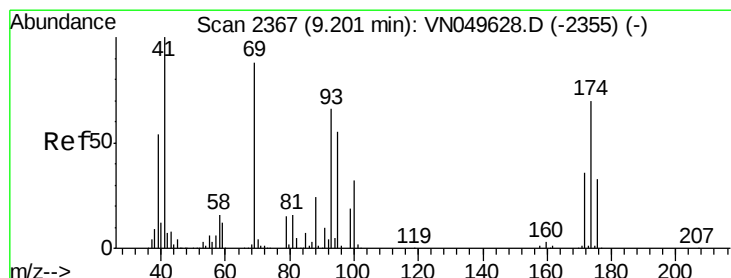
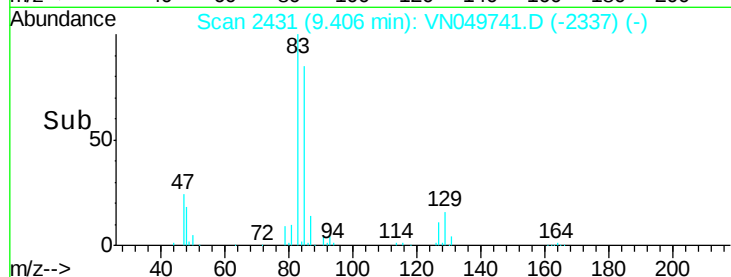
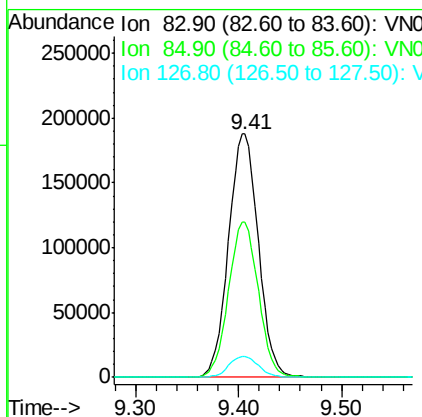
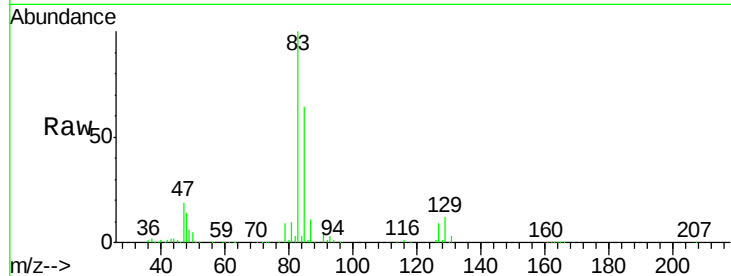
#47
Bromodichloromethane
Concen: 20.606 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.5	75.7
127	8.6	6.8	10.2

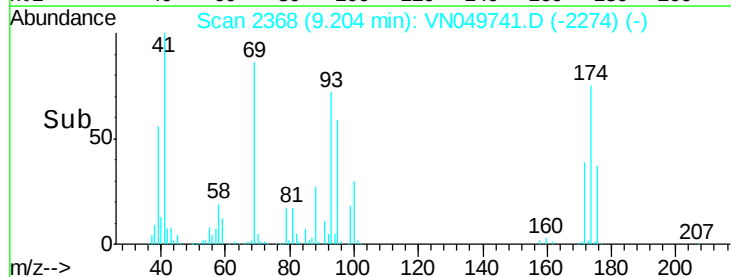
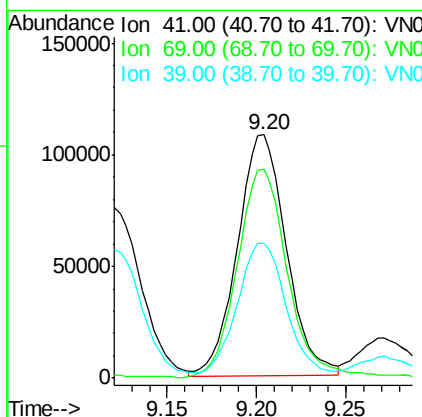
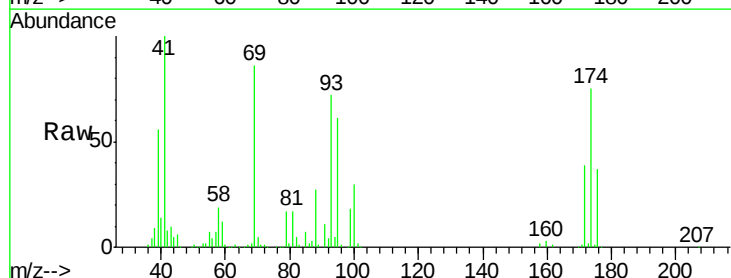
Manual Integrations
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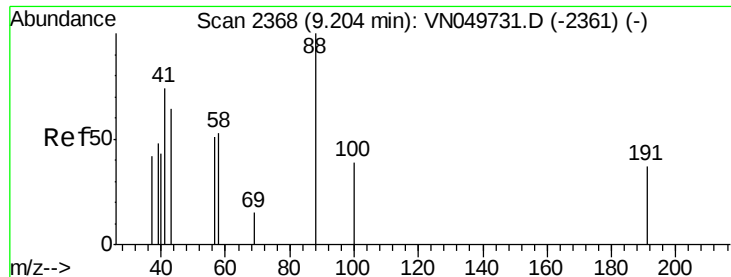
MMDadoda
7/9/2018 6:00:33 PM



#48
Methyl methacrylate
Concen: 22.012 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.7	71.5	107.3
39	55.9	44.7	67.1





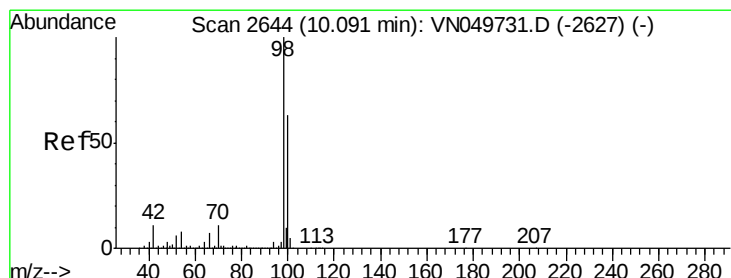
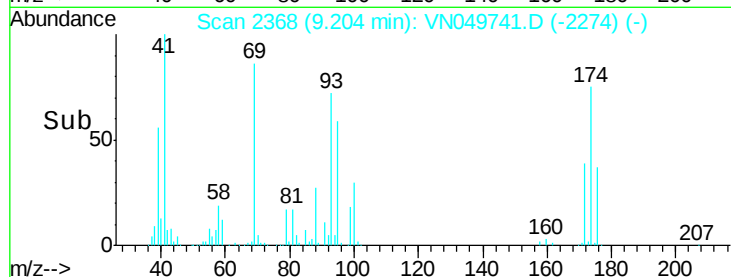
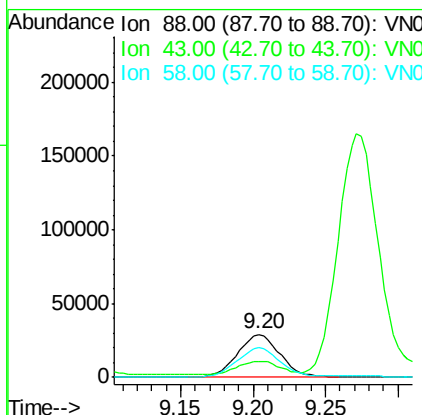
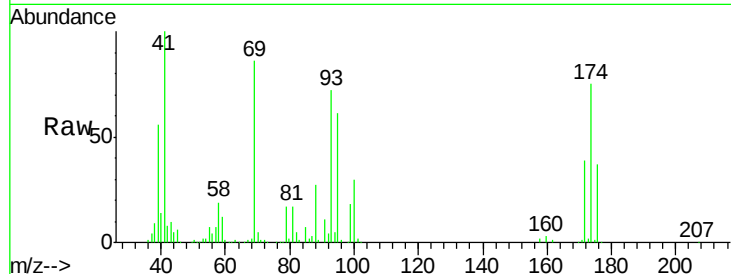
#49
1,4-Dioxane
Concen: 472.531 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBSD01

Tot Ion	88	Resp	59656
Ion Ratio	Lower	Upper	
88	100		
43	31.3	25.1	37.7
58	70.0	52.5	78.7

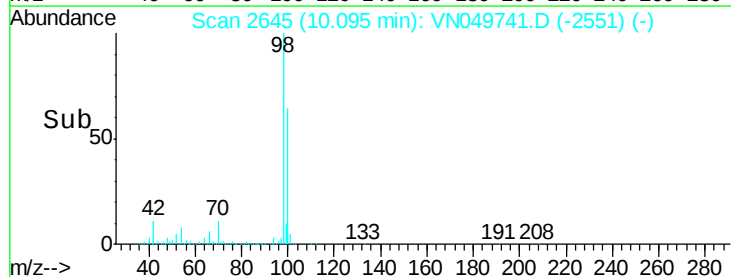
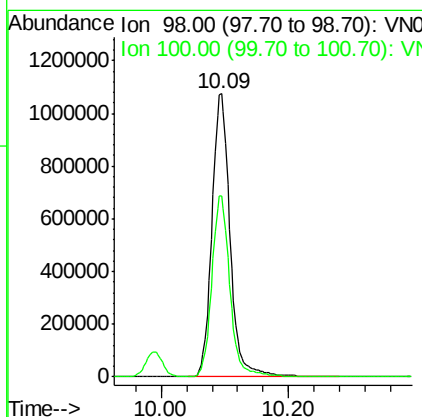
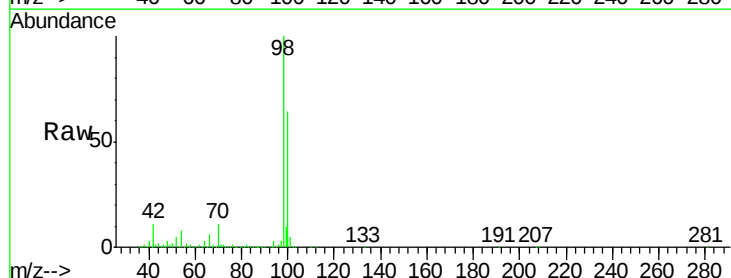
Manual Integrations
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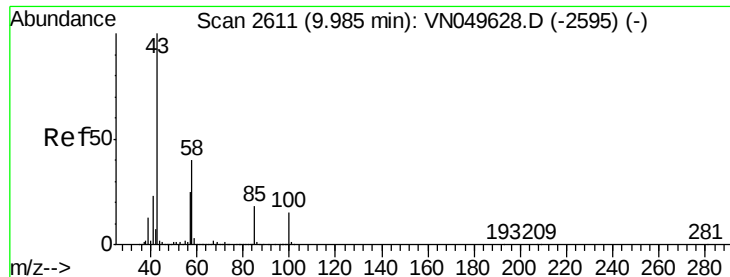
MMDadoda
7/9/2018 6:00:33 PM



#50
Toluene-d8
Concen: 44.961 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Tgt Ion	98	Resp	2118786
Ion Ratio	Lower	Upper	
98	100		
100	64.0	51.7	77.5





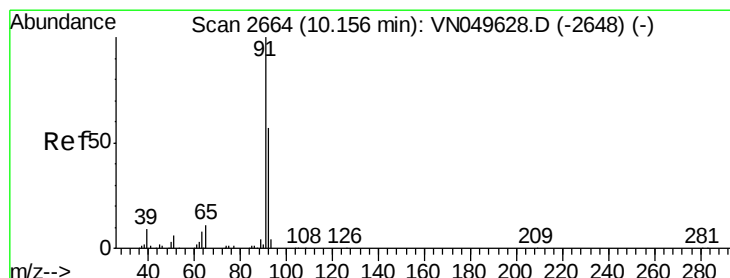
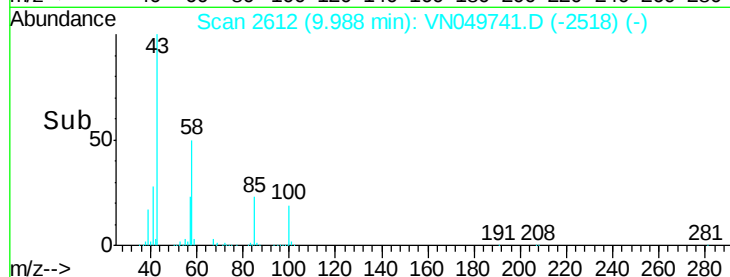
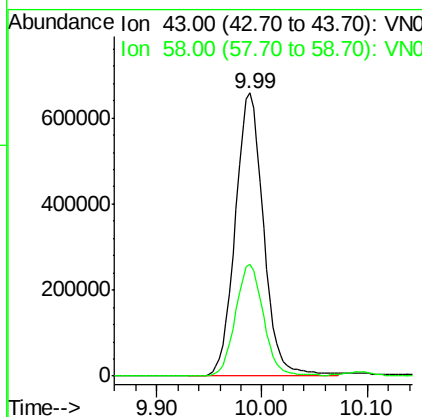
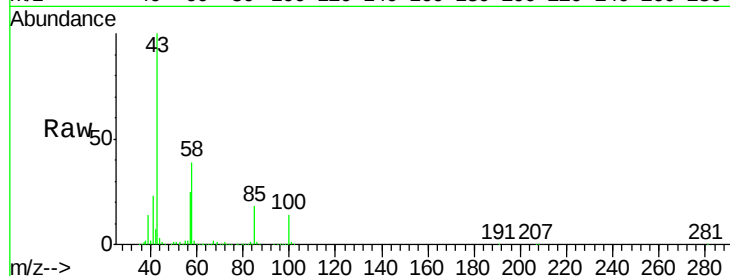
#51
4-Methyl-2-Pentanone
Concen: 117.411 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Instrument :
MSVOA_N
ClientSampled :
VN0706WBSD01

Tot Ion: 43 Resp: 1216487
Ion Ratio Lower Upper
43 100
58 39.3 31.8 47.8

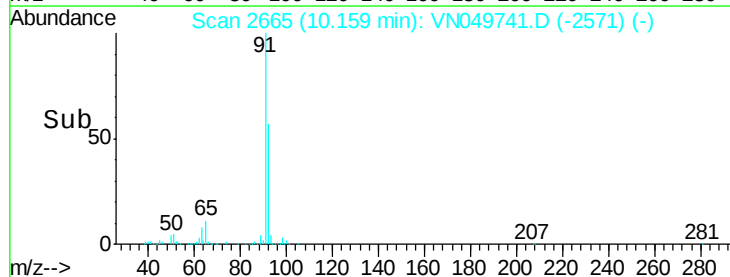
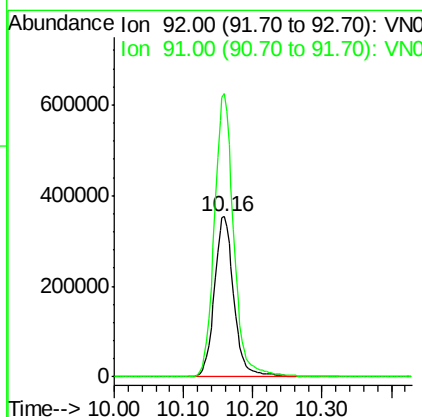
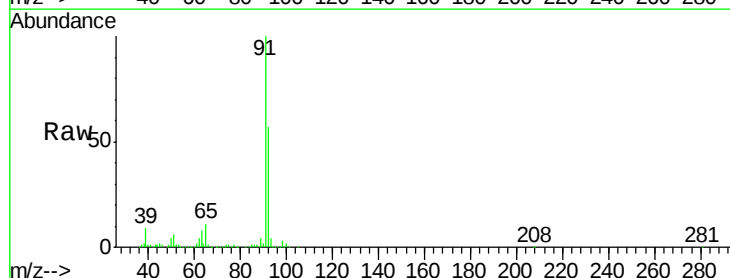
Manual Integrations
APPROVED

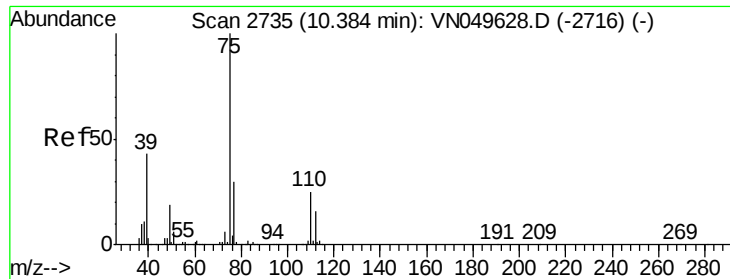
MMDadoda
7/9/2018 6:00:33 PM



#52
Toluene
Concen: 20.575 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Tgt Ion: 92 Resp: 687652
Ion Ratio Lower Upper
92 100
91 175.7 140.1 210.1





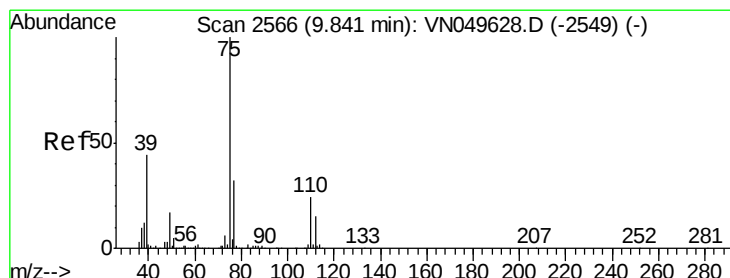
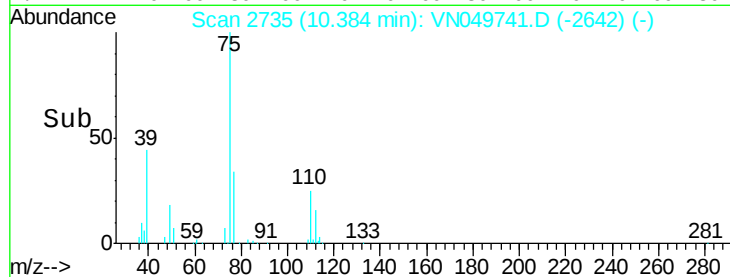
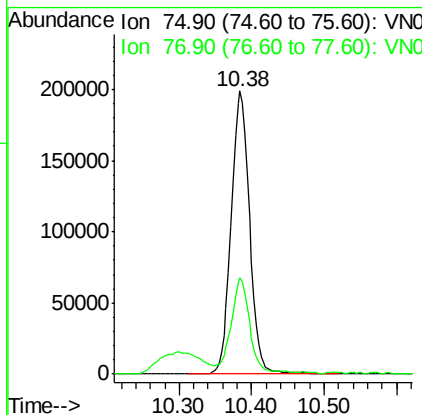
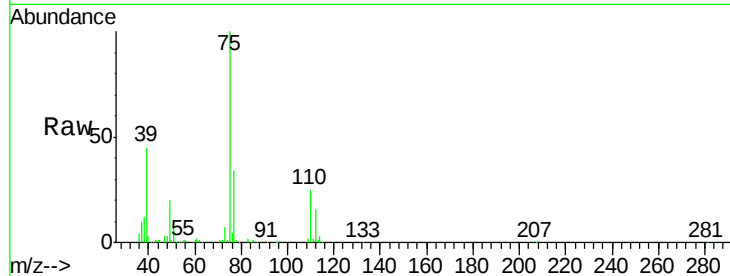
#53
t-1,3-Dichloropropene
Concen: 19.939 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBSD01

Tot Ion: 75 Resp: 351435
Ion Ratio Lower Upper
75 100
77 33.5 25.2 37.8

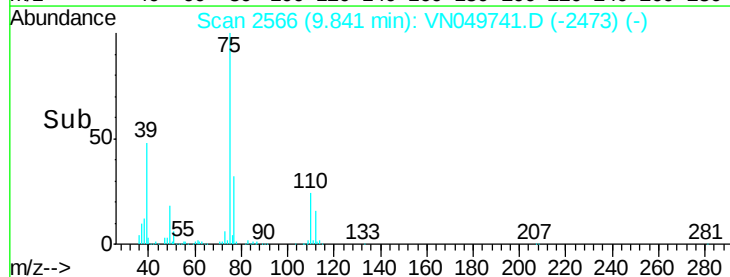
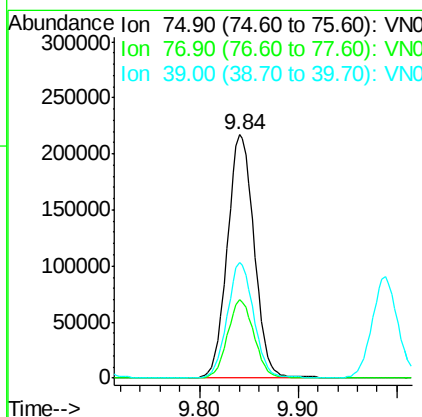
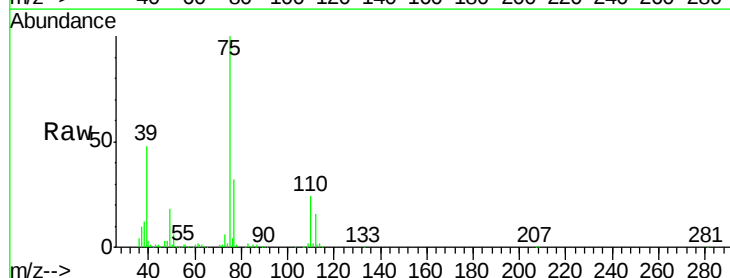
Manual Integrations
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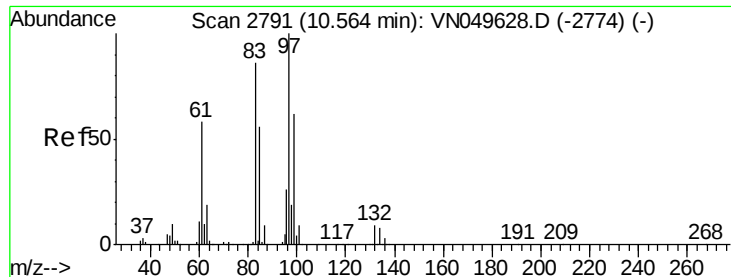
MMDadoda
7/9/2018 6:00:33 PM



#54
cis-1,3-Dichloropropene
Concen: 20.093 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Tgt Ion: 75 Resp: 413922
Ion Ratio Lower Upper
75 100
77 31.9 25.3 37.9
39 47.6 35.5 53.3





#55

1,1,2-Trichloroethane

Concen: 21.257 ug/l

RT: 10.56 min Scan# 2791

Delta R.T. -0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Instrument :

MSVOA_N

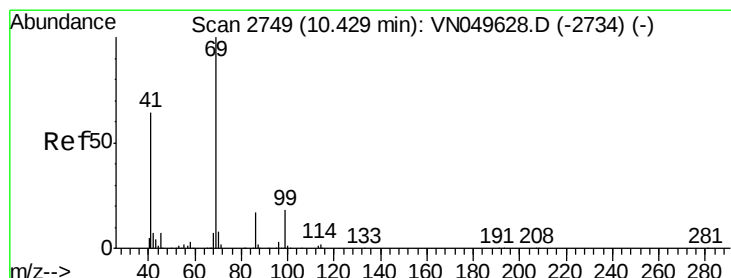
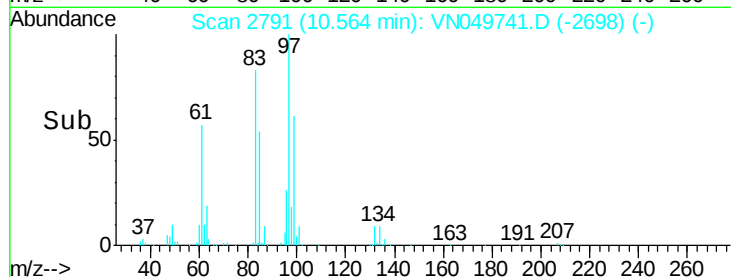
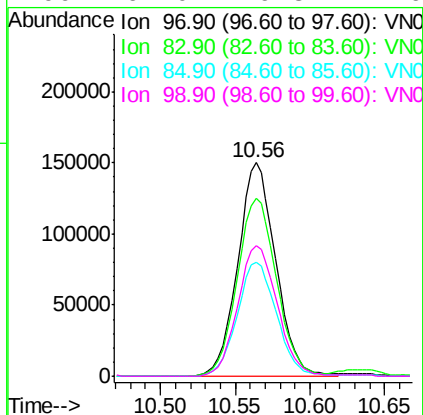
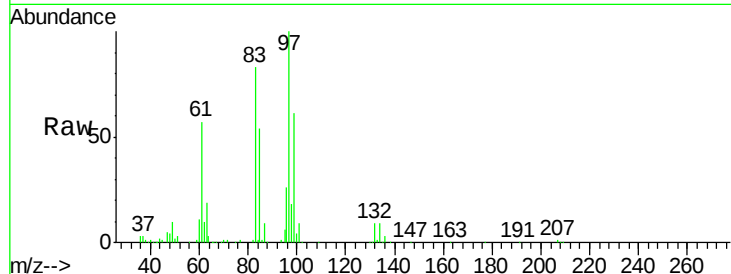
ClientSampleId :

VN0706WBSD01

Tot Ion:	97	Resp:	264531
Ion	Ratio	Lower	Upper
97	100		
83	83.0	69.0	103.6
85	53.6	44.9	67.3
99	61.0	49.8	74.6

Manual Integrations
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MMDadoda
7/9/2018 6:00:33 PM



#56

Ethyl methacrylate

Concen: 21.767 ug/l

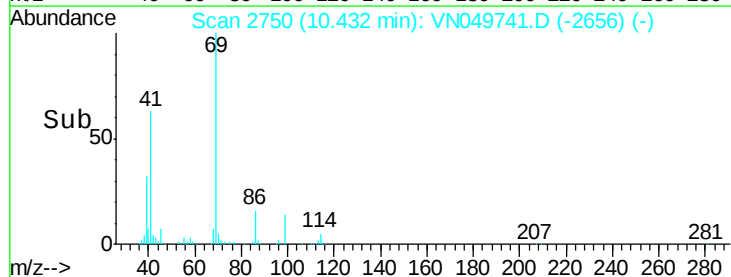
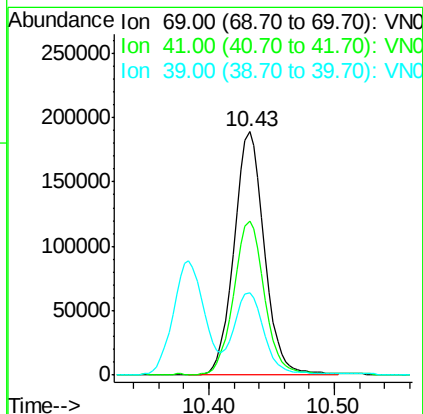
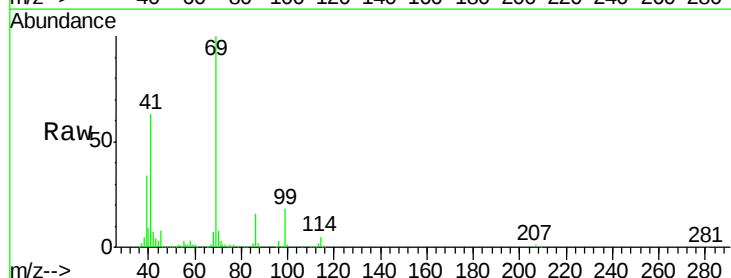
RT: 10.43 min Scan# 2750

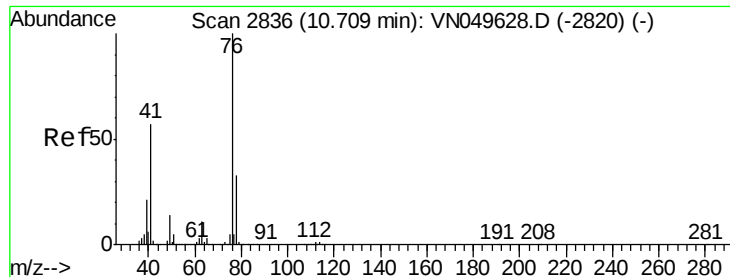
Delta R.T. 0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Tgt Ion:	69	Resp:	317514
Ion	Ratio	Lower	Upper
69	100		
41	63.2	51.6	77.4
39	33.4	25.8	38.8





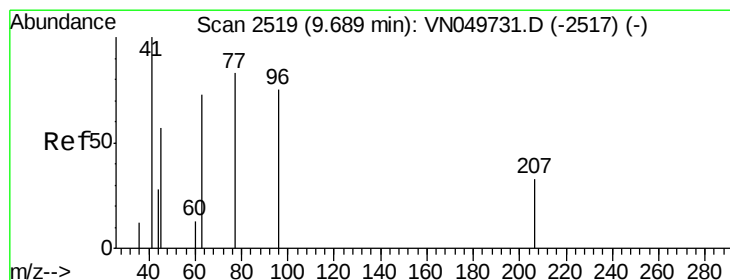
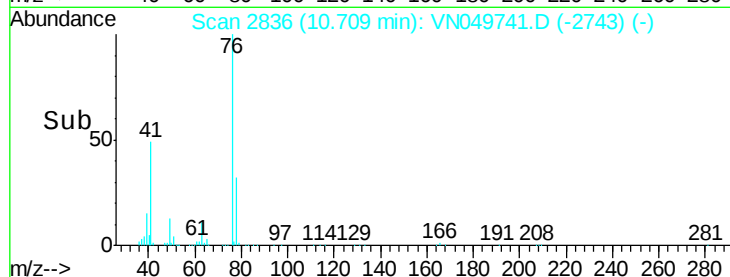
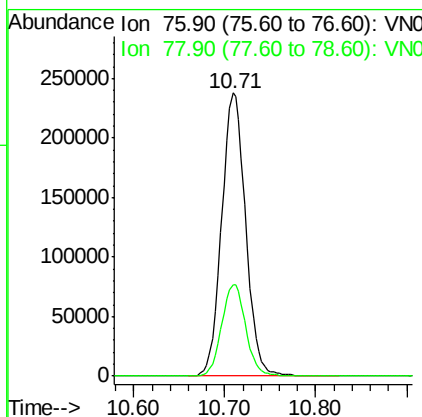
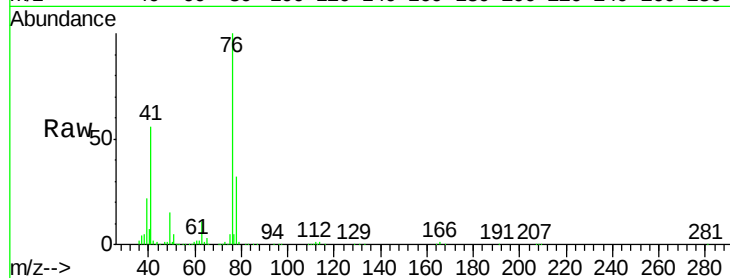
#57
 1,3-Dichloropropane
 Concen: 21.610 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBSD01

Tot Ion: 76 Resp: 436073
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.8 38.8

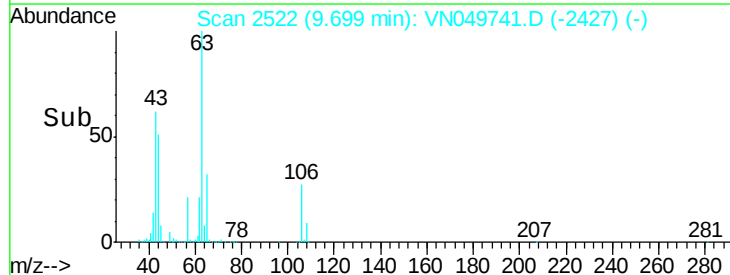
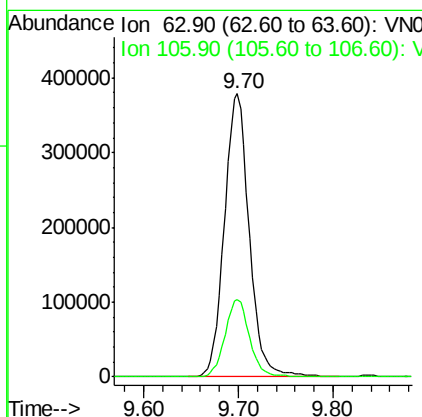
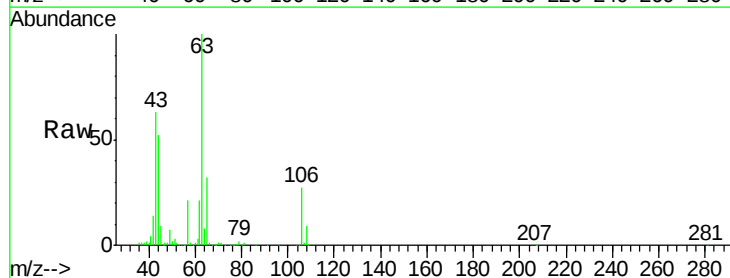
Manual Integrations
 APPROVED

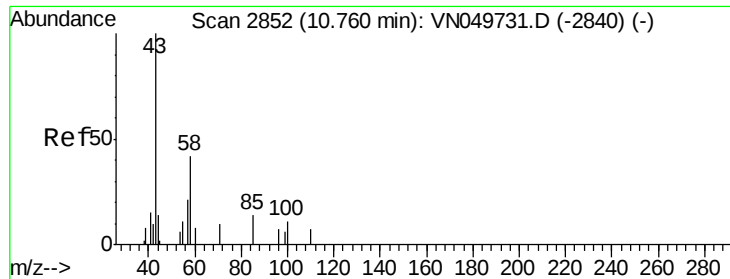
MMDadoda
 7/9/2018 6:00:33 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.670 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. 0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Tgt Ion: 63 Resp: 690153
 Ion Ratio Lower Upper
 63 100
 106 27.1 21.8 32.8





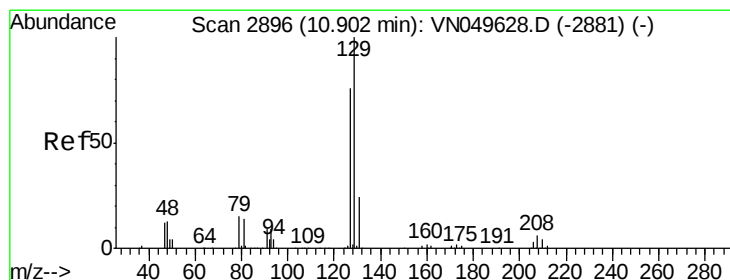
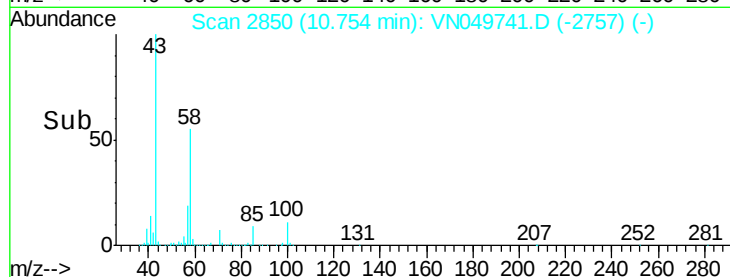
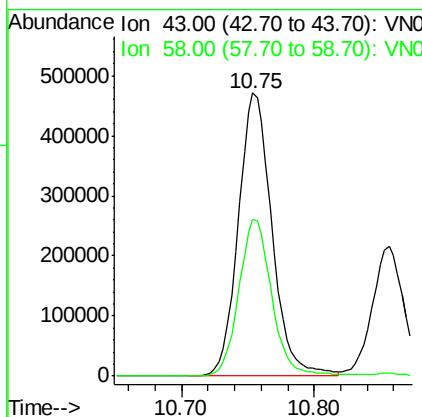
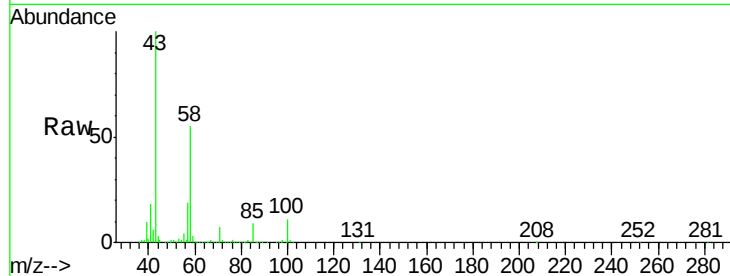
#59
2-Hexanone
Concen: 120.443 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Instrument :
MSVOA_N
ClientSampled :
VN0706WBSD01

Tot Ion: 43 Resp: 825182
Ion Ratio Lower Upper
43 100
58 54.7 27.8 83.4

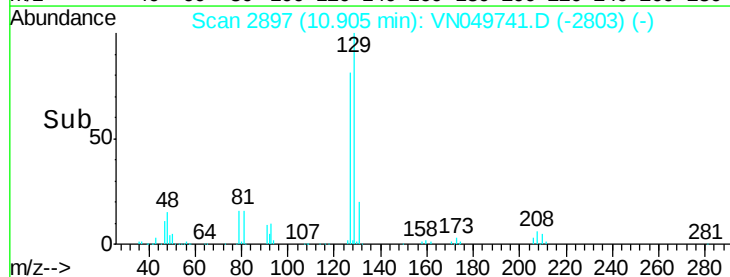
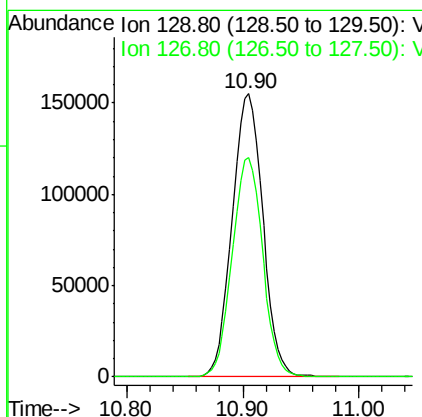
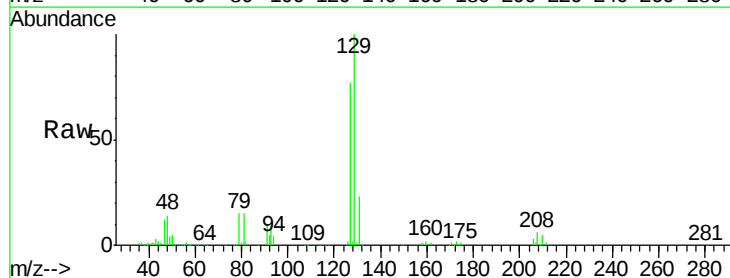
Manual Integrations
APPROVED

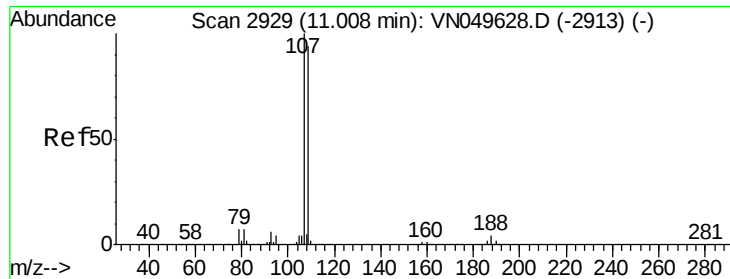
MMDadoda
7/9/2018 6:00:33 PM



#60
Dibromochloromethane
Concen: 21.164 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Tgt Ion: 129 Resp: 284655
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.9





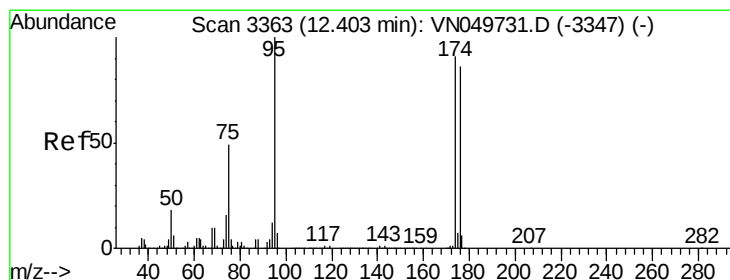
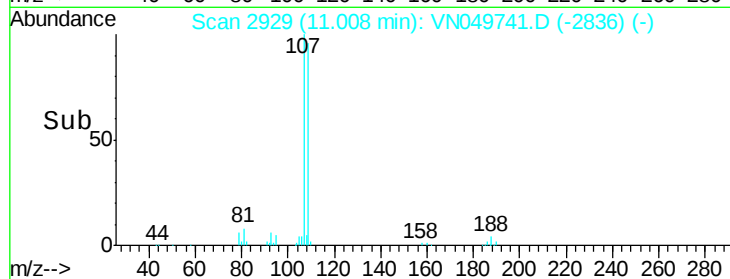
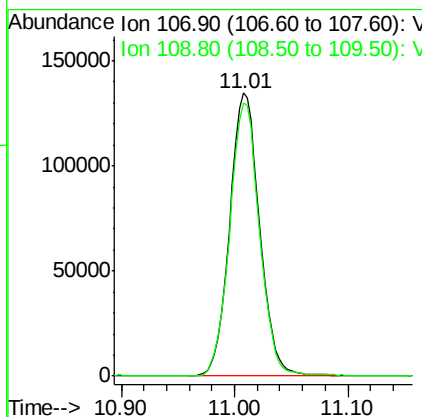
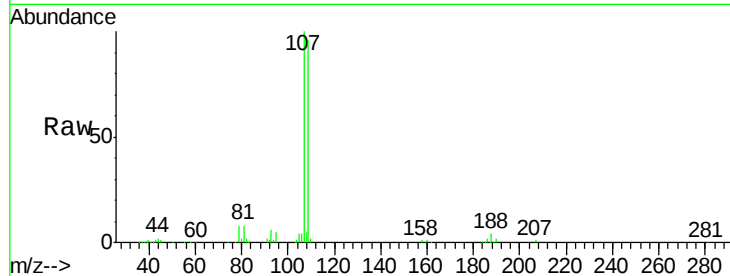
#61
 1,2-Dibromoethane
 Concen: 20.828 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.0	112.6

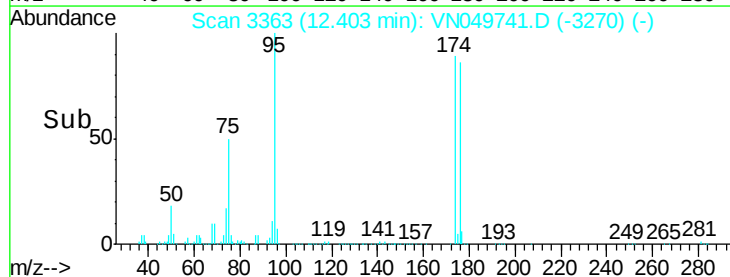
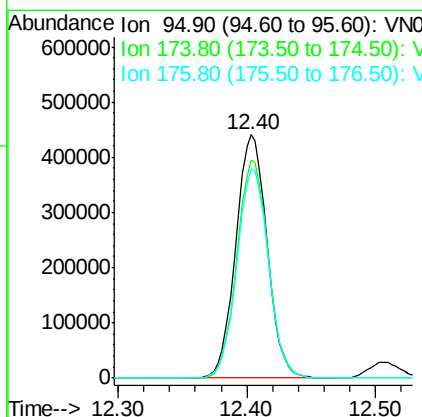
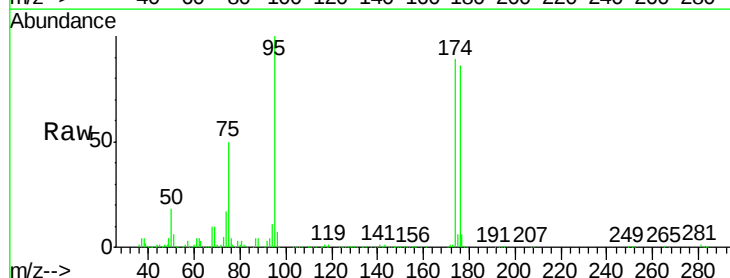
Manual Integrations
 APPROVED

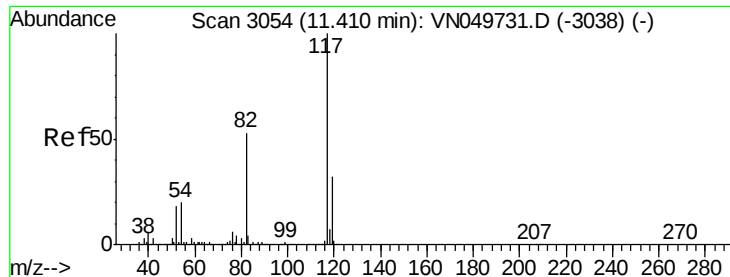
MMDadoda
 7/9/2018 6:00:33 PM



#62
 4-Bromofluorobenzene
 Concen: 46.140 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	179.6
176	86.6	0.0	174.0





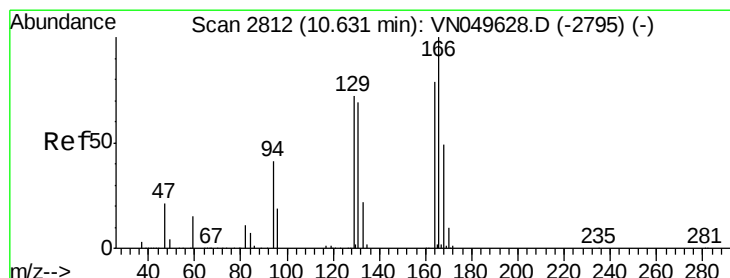
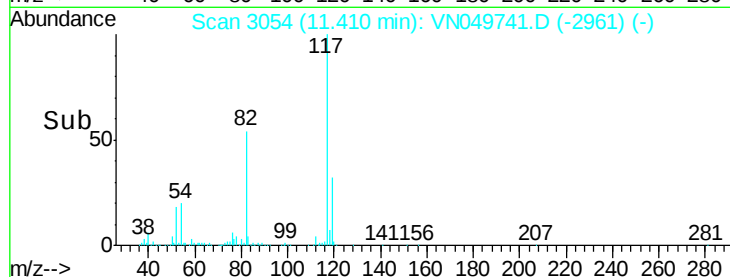
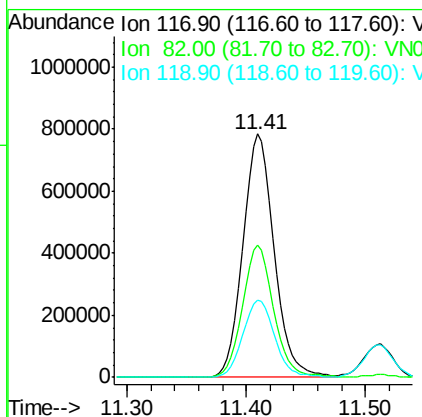
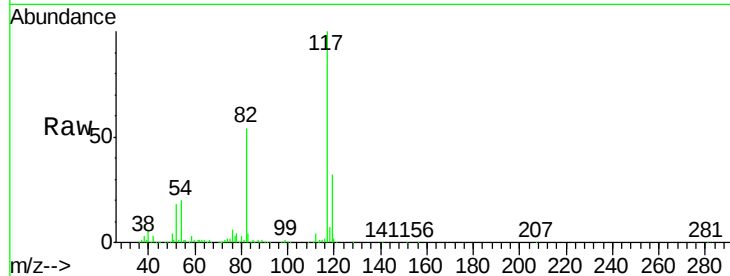
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Instrument :
MSVOA_N
ClientSampled :
VN0706WBSD01

Tot Ion:117 Resp: 1428359
Ion Ratio Lower Upper
117 100
82 54.2 41.9 62.9
119 31.7 25.4 38.2

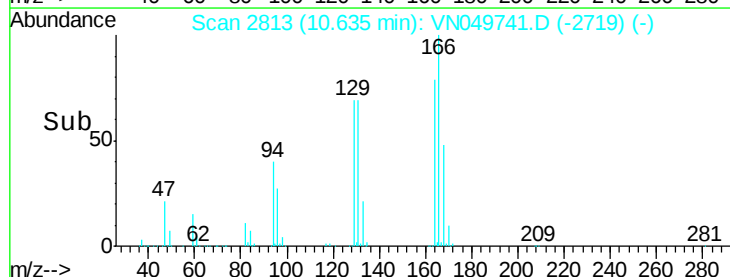
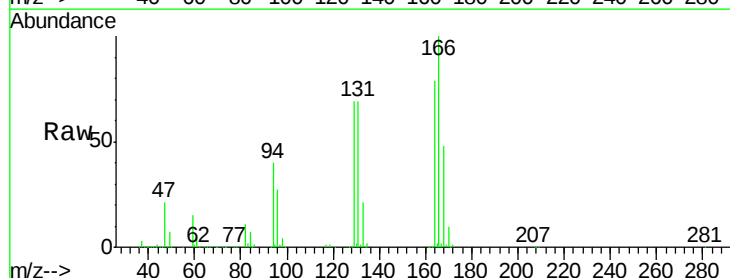
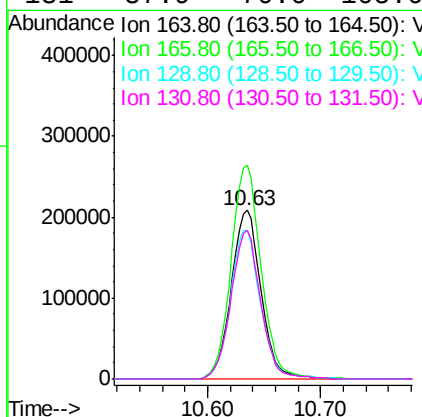
Manual Integrations
APPROVED

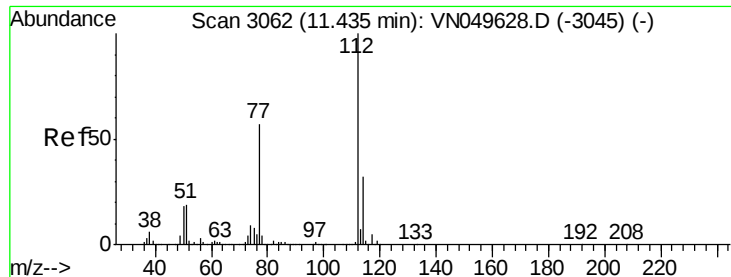
MMDadoda
7/9/2018 6:00:33 PM



#64
Tetrachloroethene
Concen: 19.737 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Tgt Ion:164 Resp: 381716
Ion Ratio Lower Upper
164 100
166 126.5 101.8 152.6
129 87.8 72.8 109.2
131 87.9 70.0 105.0





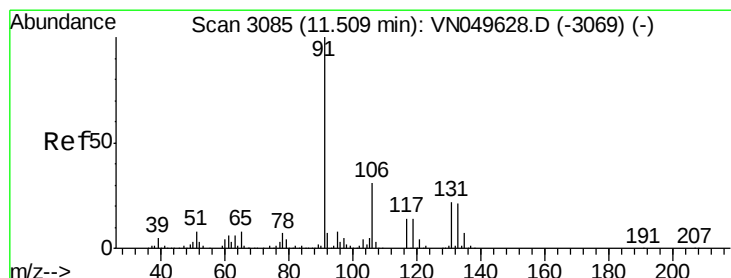
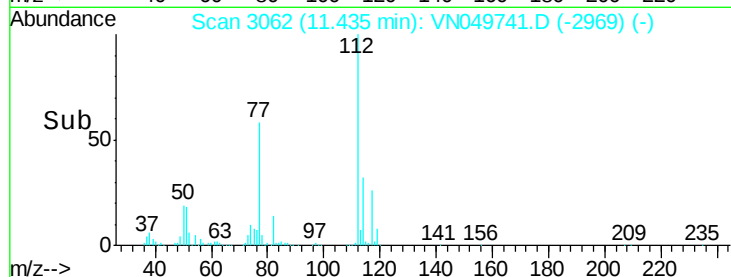
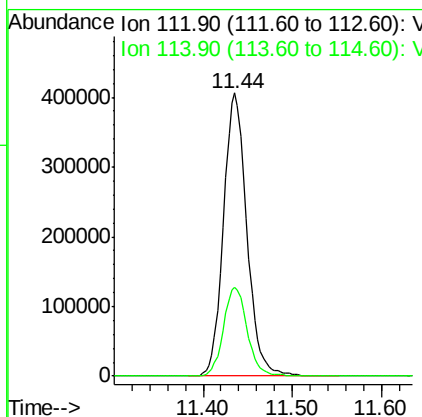
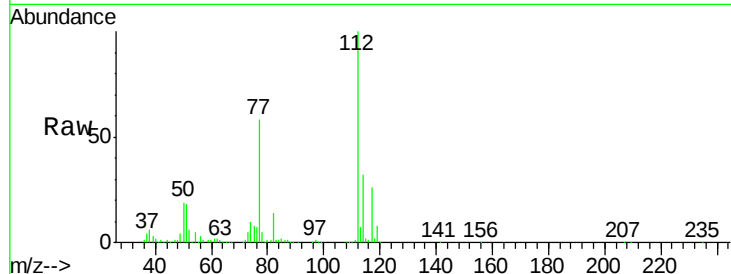
#65
Chlorobenzene
Concen: 19.771 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBSD01

Tot Ion:112 Resp: 736679
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0

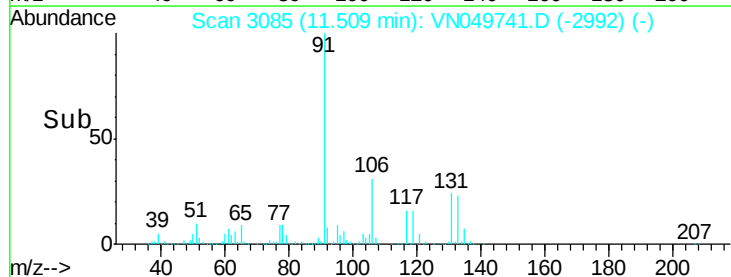
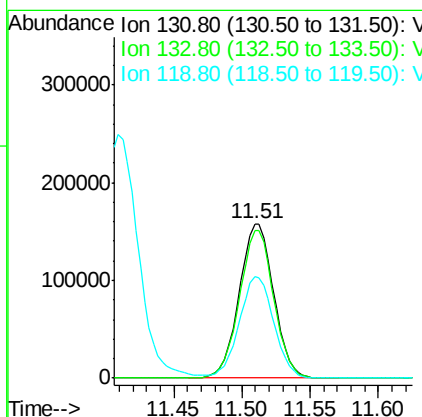
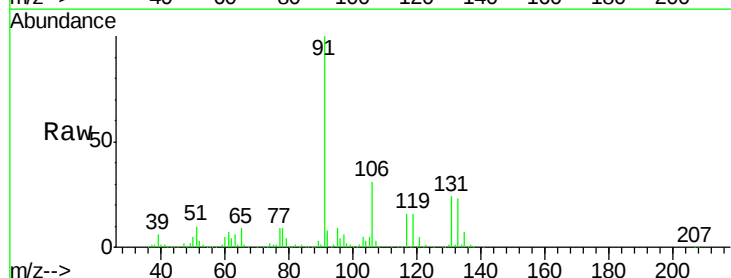
Manual Integrations
APPROVED

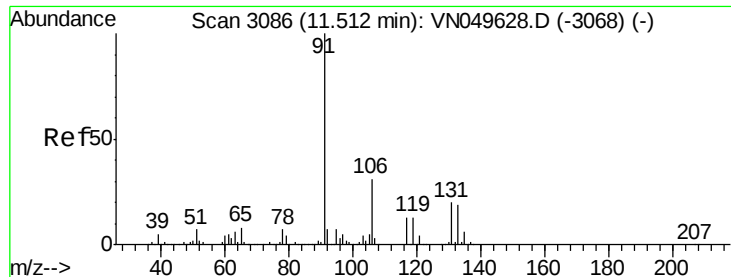
MMDadoda
7/9/2018 6:00:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.599 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Tgt Ion:131 Resp: 275795
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.6
119 66.5 33.1 99.3





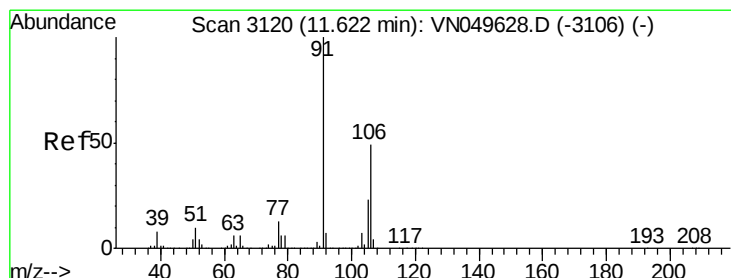
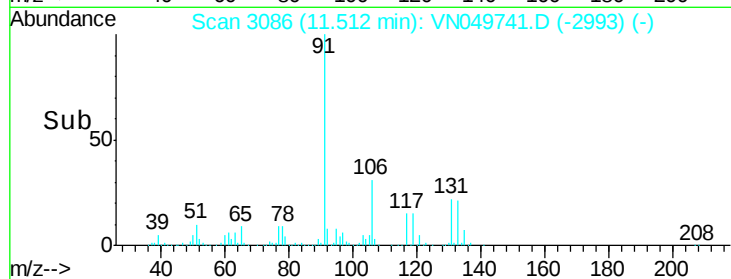
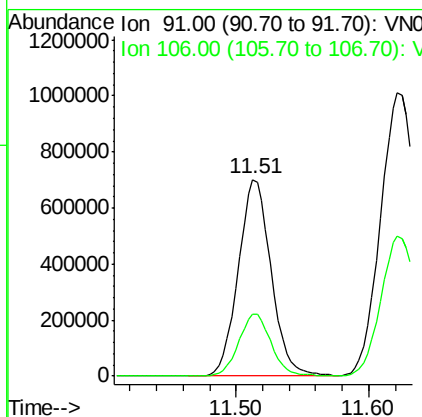
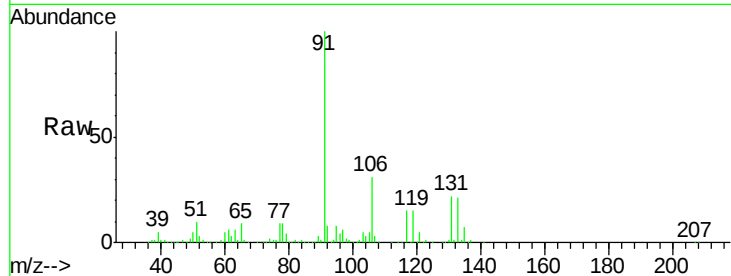
#67
Ethyl Benzene
Concen: 19.597 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. -0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBSD01

Tot Ion: 91 Resp: 1207049
Ion Ratio Lower Upper
91 100
106 31.4 24.8 37.2

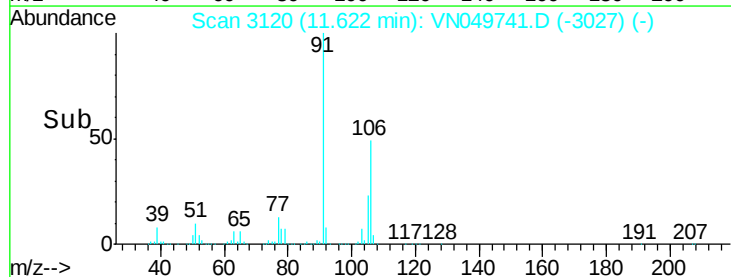
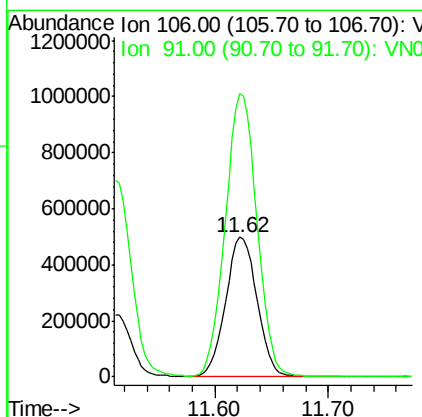
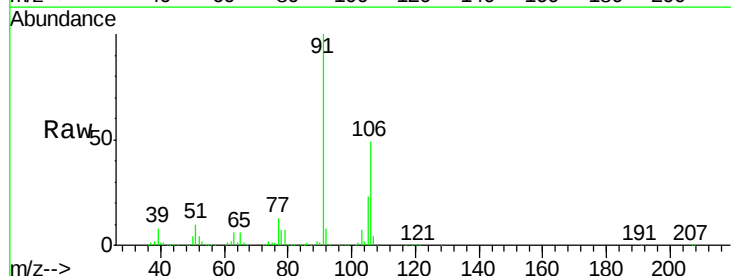
Manual Integrations
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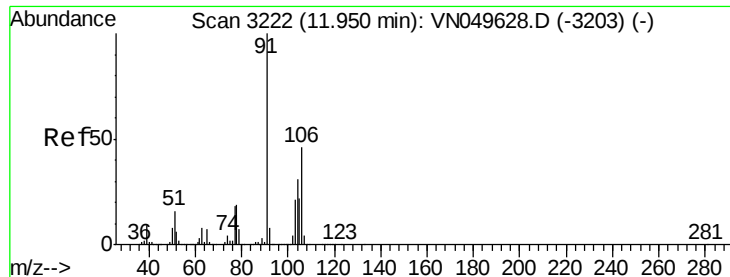
MMDadoda
7/9/2018 6:00:33 PM



#68
m/p-Xylenes
Concen: 40.912 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Tgt Ion: 106 Resp: 965730
Ion Ratio Lower Upper
106 100
91 203.9 163.4 245.2





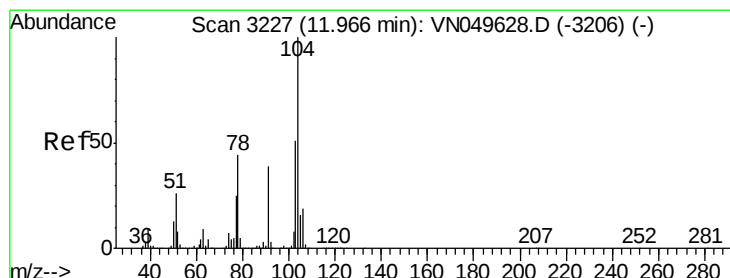
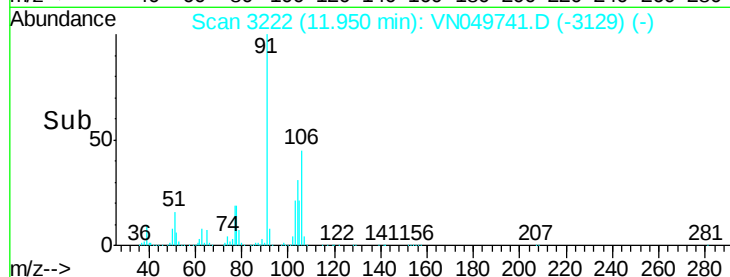
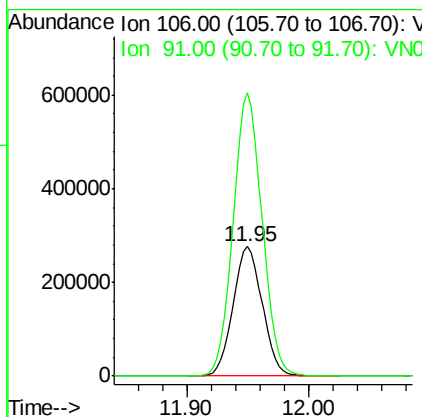
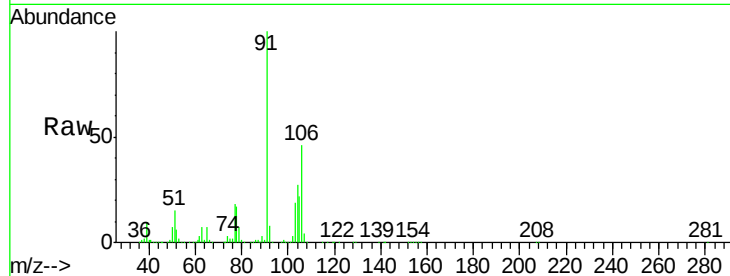
#69
o-Xylene
Concen: 20.372 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.2	108.7	326.1	

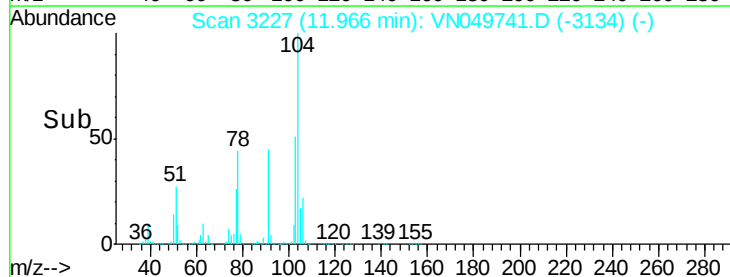
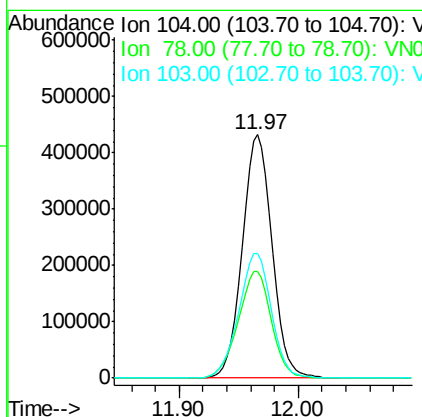
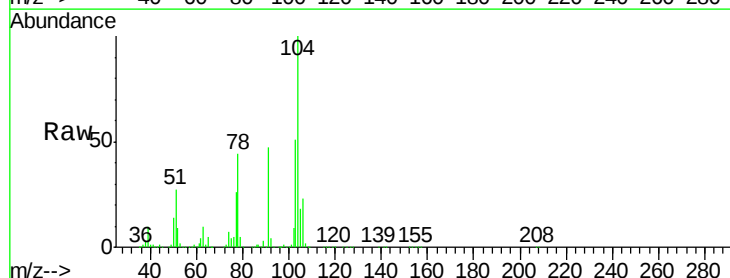
Manual Integrations
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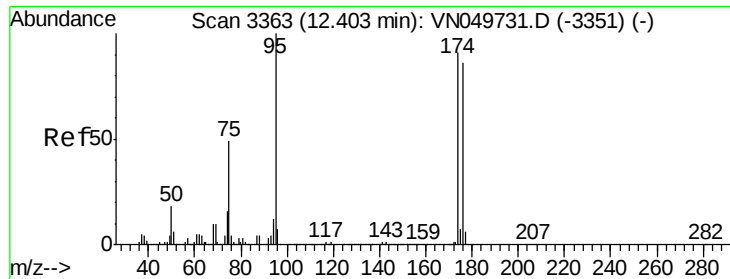
MMDadoda
7/9/2018 6:00:33 PM



#70
Styrene
Concen: 20.466 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.9	39.2	58.8	
103	56.3	44.6	67.0	





#71

Bromoform

Concen: 21.047 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0706WBSD01

Tot Ion:173 Resp: 187238

Ion Ratio Lower Upper

173 100

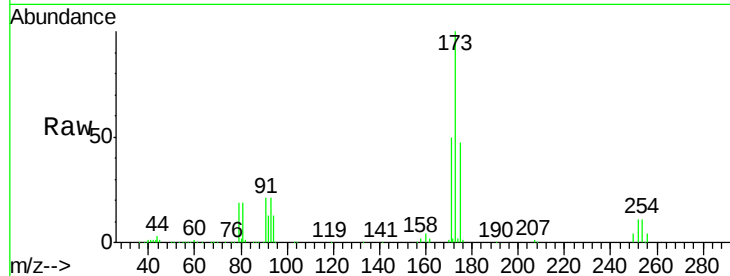
175 47.7 24.6 73.8

254 0.0 0.2 0.2#

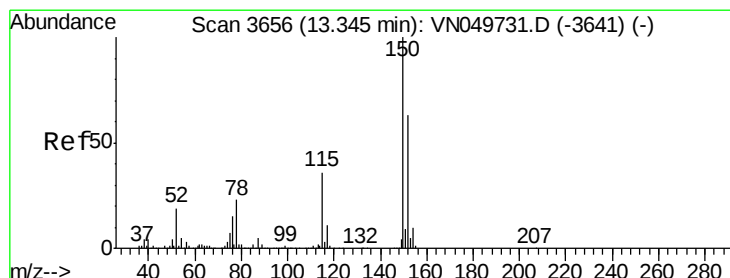
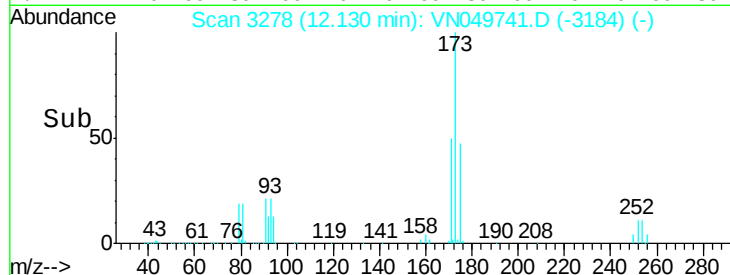
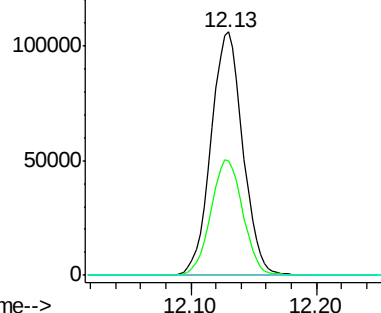
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

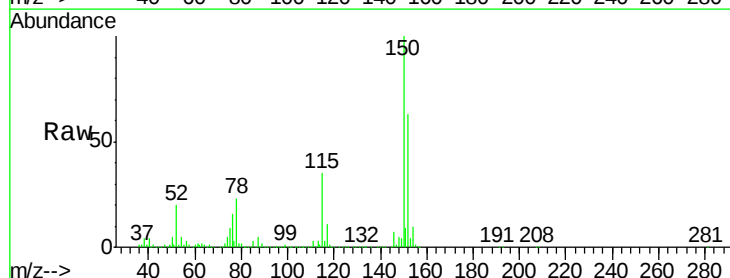
Tgt Ion:152 Resp: 766867

Ion Ratio Lower Upper

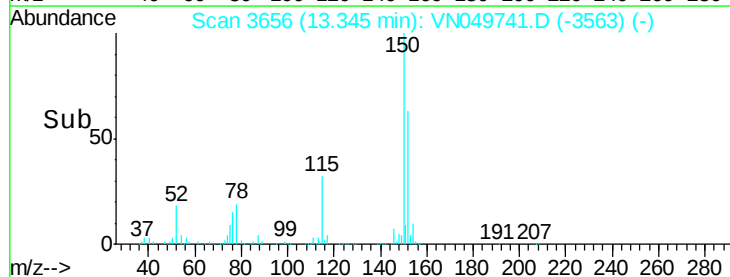
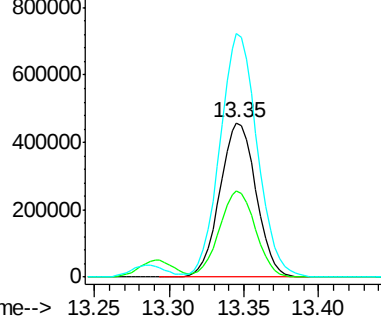
152 100

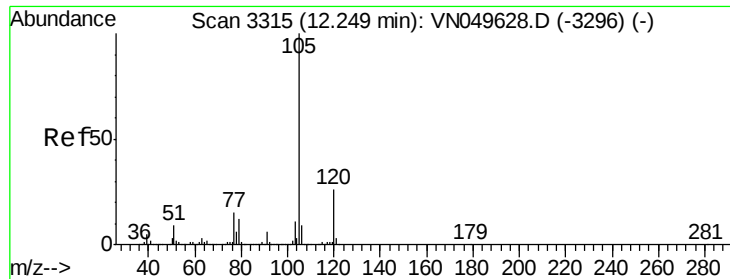
115 55.9 28.1 84.2

150 163.4 0.0 347.6



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: 19.698 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0706WBSD01

Tot Ion:105 Resp: 1203215

Ion Ratio Lower Upper

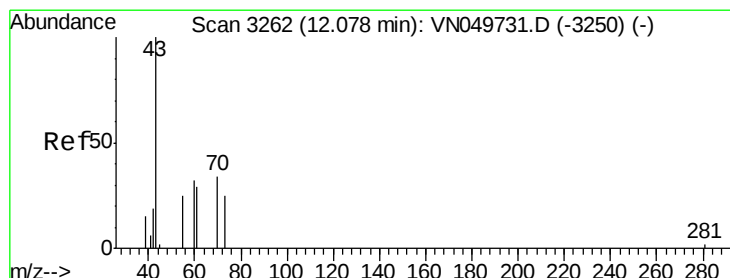
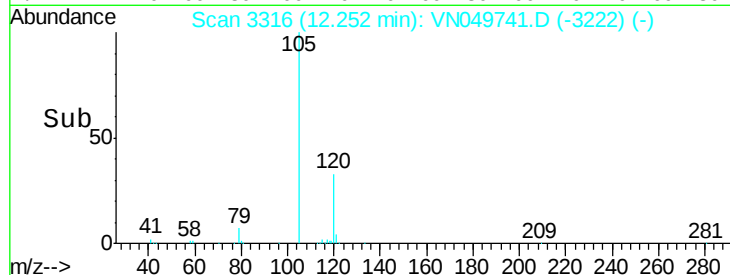
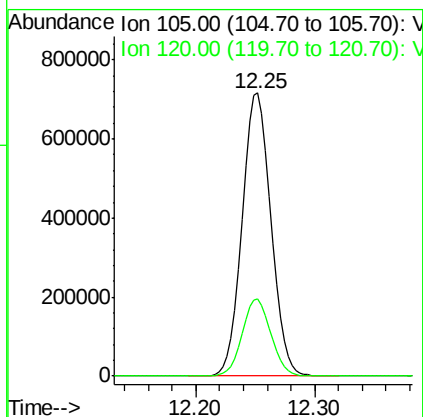
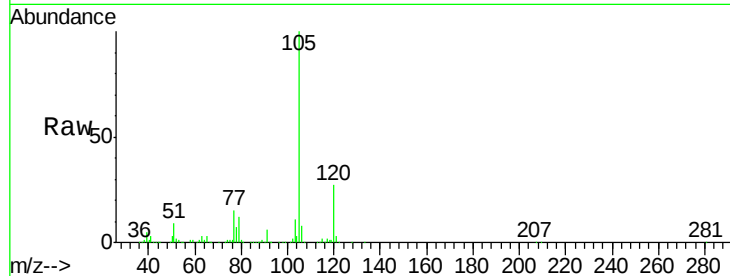
105 100

120 27.1 13.3 39.8

Manual Integrations
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7/9/2018 6:00:33 PM



#74

N-ethyl acetate

Concen: 21.200 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Tgt Ion: 43 Resp: 353734

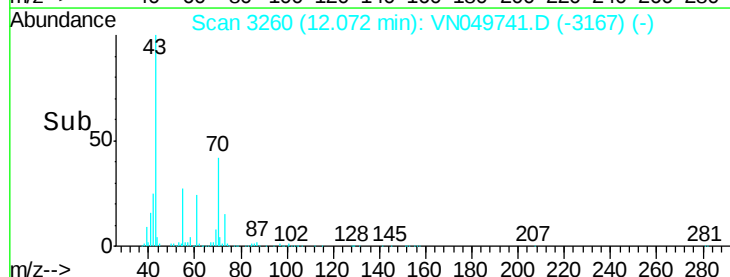
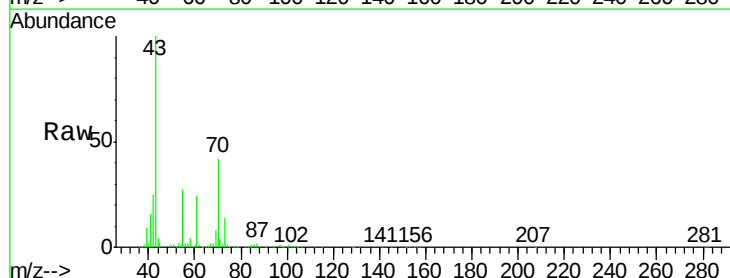
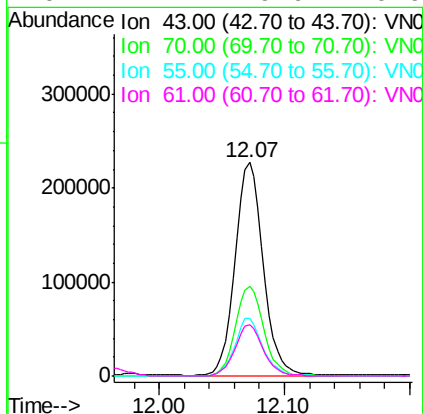
Ion Ratio Lower Upper

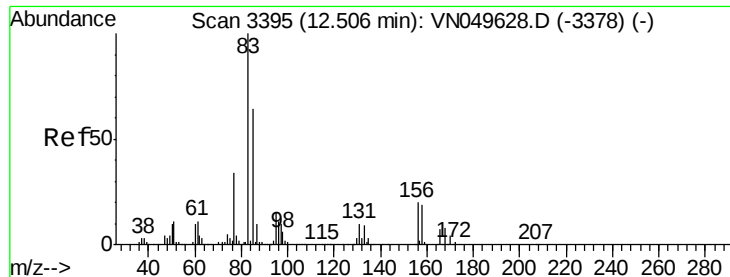
43 100

70 42.5 34.8 52.2

55 27.0 20.9 31.3

61 24.2 19.9 29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 24.198 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Instrument :

MSVOA_N

ClientSampleId :

VN0706WBSD01

Tot Ion: 83 Resp: 316120

Ion Ratio Lower Upper

83 100

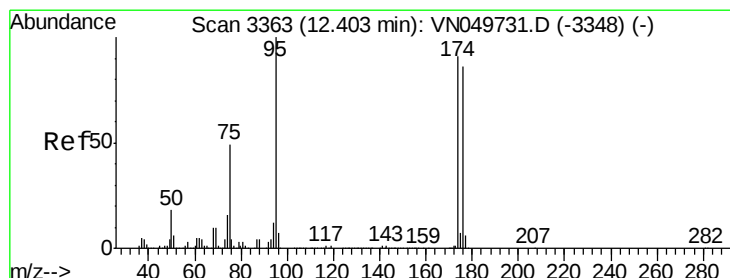
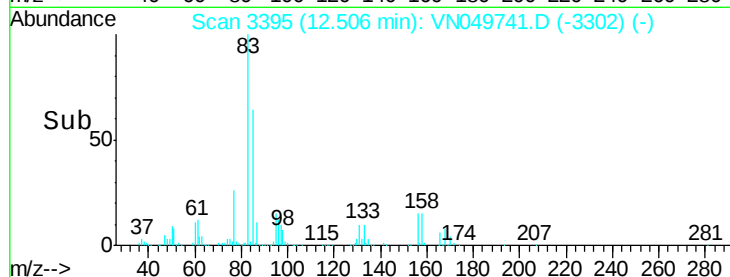
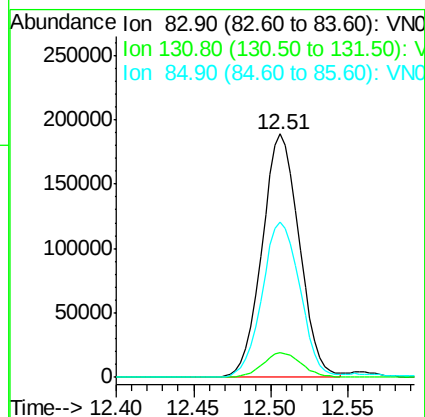
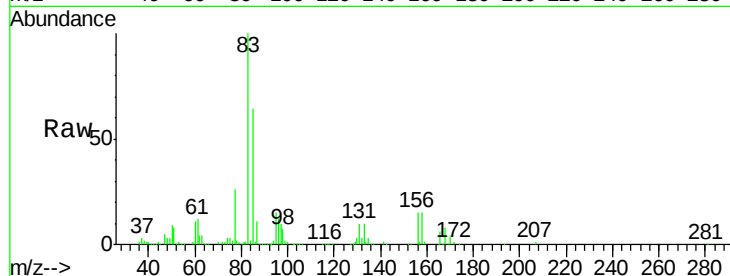
131 10.5 5.2 15.6

85 64.8 32.5 97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 25.105 ug/l m

RT: 12.56 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN049741.D

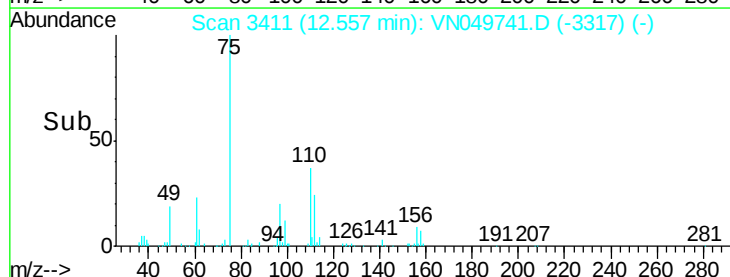
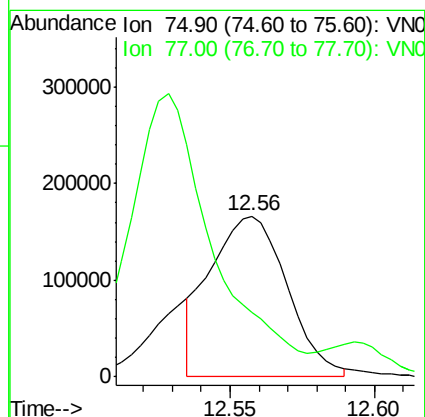
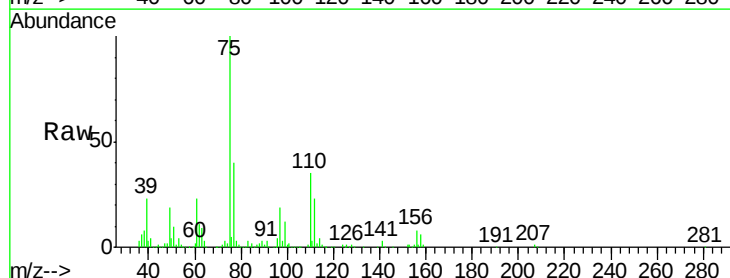
Acq: 6 Jul 2018 16:12

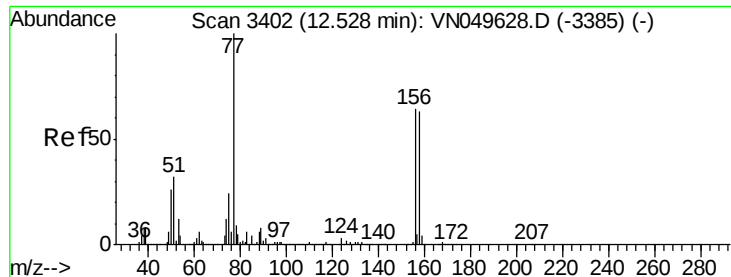
Tgt Ion: 75 Resp: 308761

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 20.052 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Instrument :

MSVOA_N

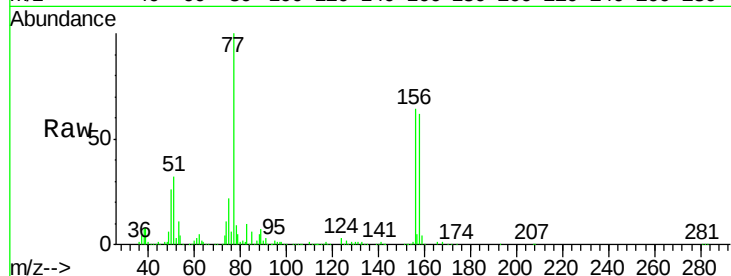
ClientSampleId :

VN0706WBSD01

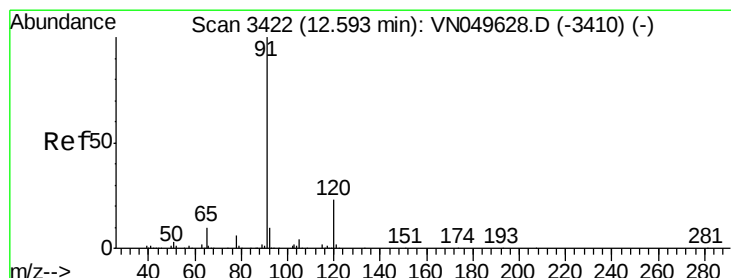
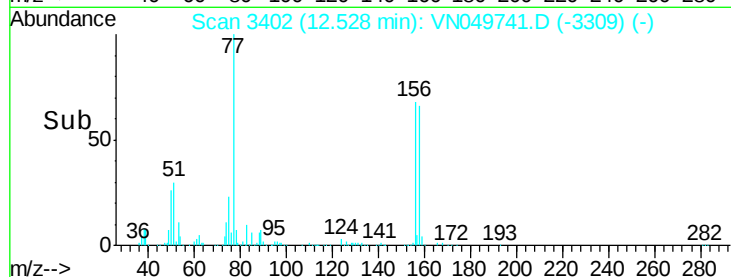
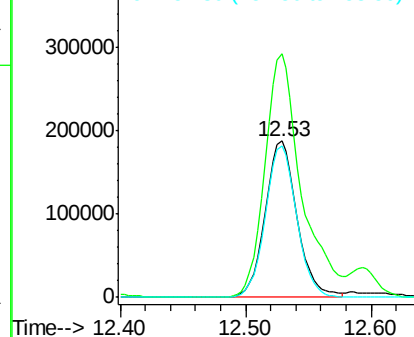
Tot Ion:	156	Resp:	333065
Ion Ratio	Lower	Upper	
156	100		
77	177.1	90.2	270.6
158	94.6	49.1	147.3

Manual Integrations
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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.842 ug/l

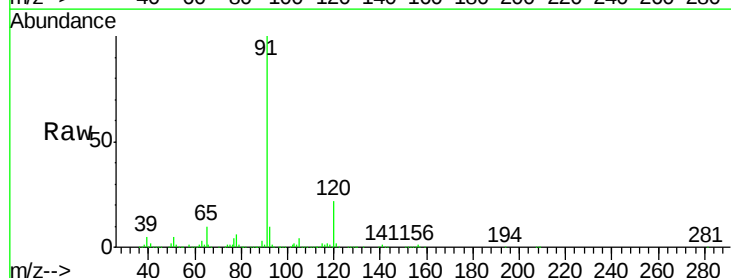
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

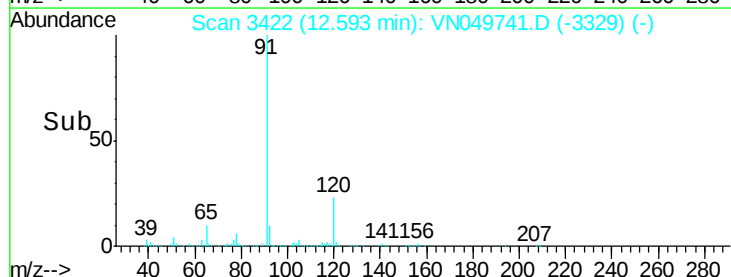
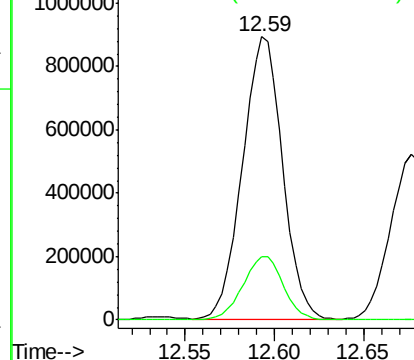
Lab File: VN049741.D

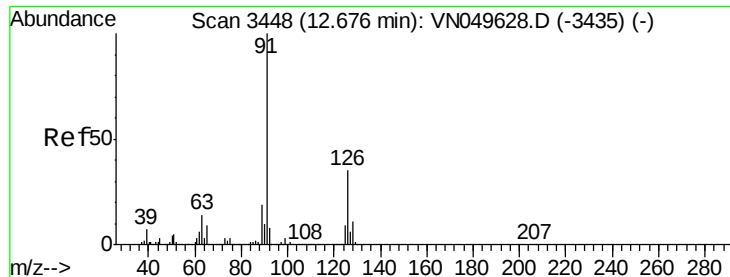
Acq: 6 Jul 2018 16:12

Tgt Ion:	91	Resp:	1389129
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.5	34.4



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.650 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Instrument :

MSVOA_N

ClientSampled :

VN0706WBSD01

Tot Ion: 91 Resp: 870611

Ion Ratio Lower Upper

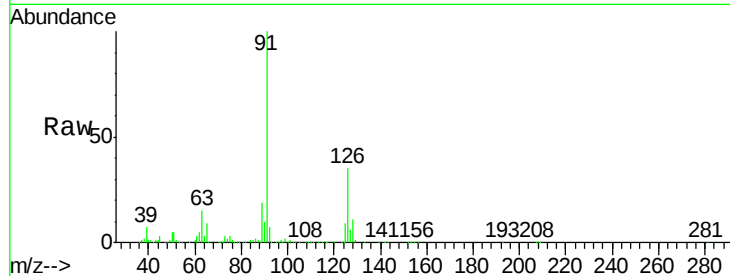
91 100

126 34.8 17.5 52.5

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Abundance Ion 91.00 (90.70 to 91.70): VN049628.D (-3435) (-)

Ion 125.90 (125.60 to 126.60): VN049628.D (-3435) (-)

800000

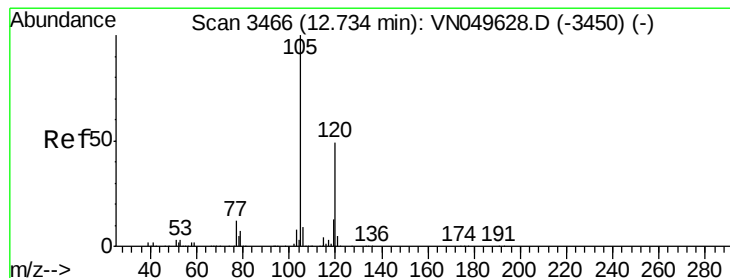
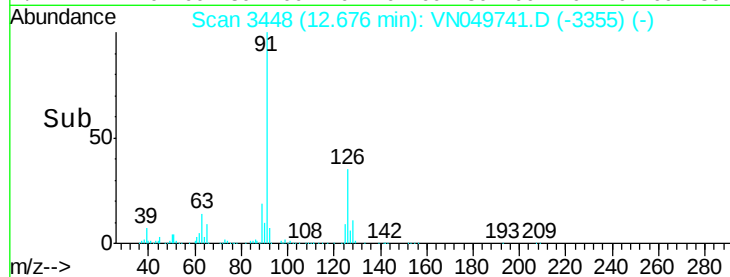
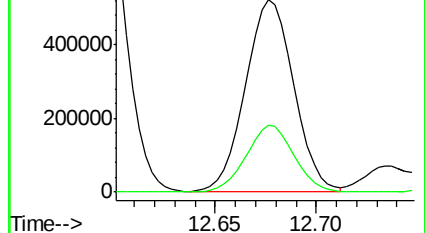
600000

400000

200000

0

12.65 12.68 12.70



#80

1,3,5-Trimethylbenzene

Concen: 20.462 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049741.D

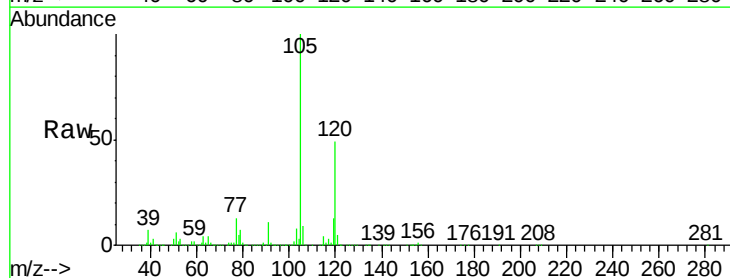
Acq: 6 Jul 2018 16:12

Tgt Ion: 105 Resp: 1038637

Ion Ratio Lower Upper

105 100

120 49.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VN049628.D (-3450) (-)

Ion 120.00 (119.70 to 120.70): VN049628.D (-3450) (-)

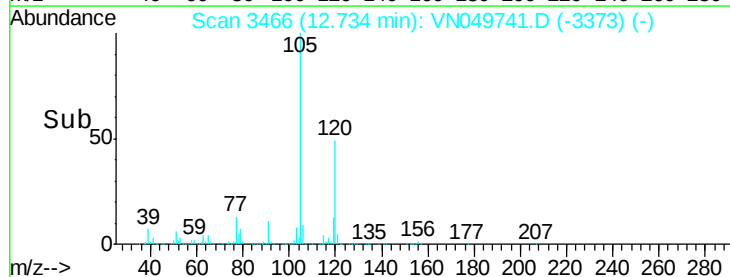
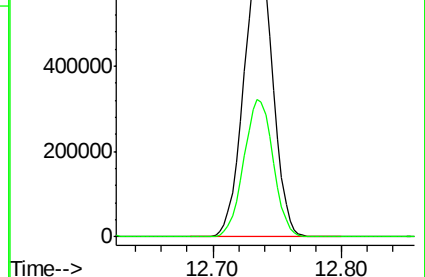
600000

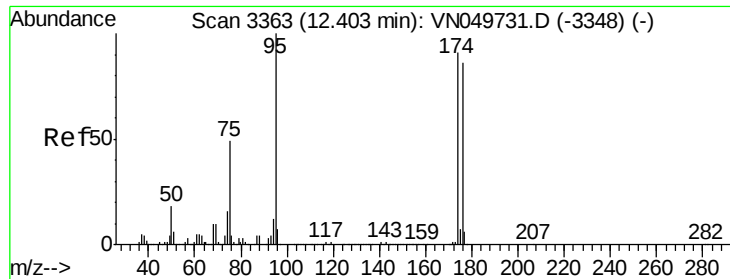
400000

200000

0

12.70 12.73 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 19.408 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Instrument :

MSVOA_N

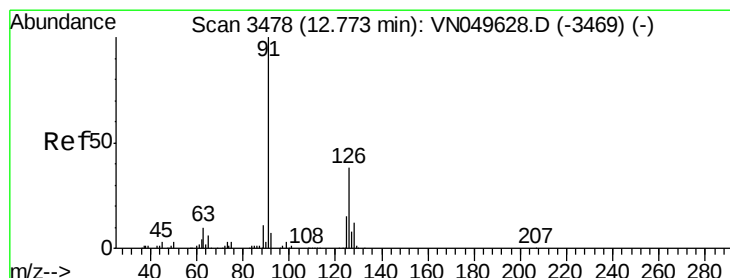
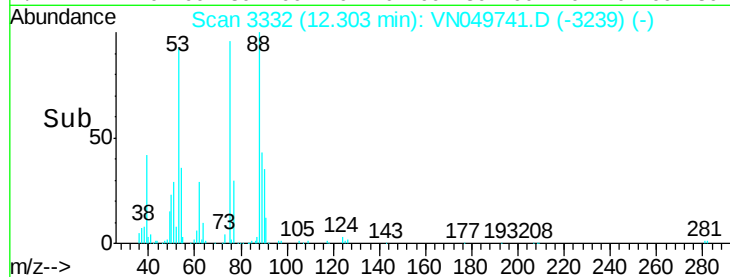
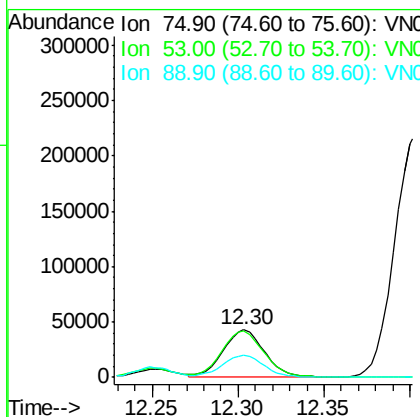
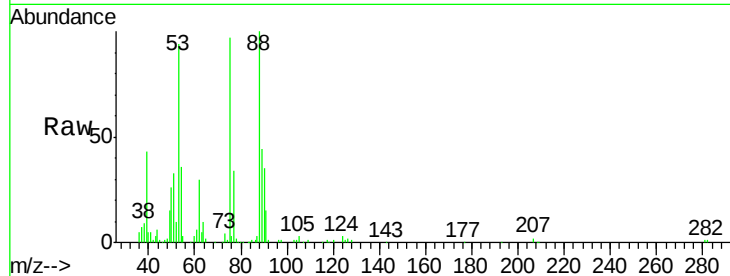
ClientSampleId :

VN0706WBSD01

Tot Ion:	75	Resp:	70278
Ion	Ratio	Lower	Upper
75	100		
53	101.8	73.9	110.9
89	47.1	35.9	53.9

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#82

4-Chlorotoluene

Concen: 19.489 ug/l

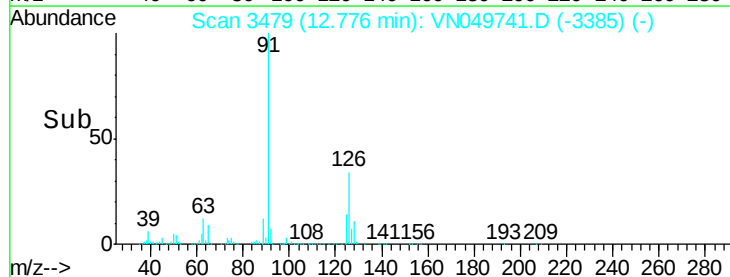
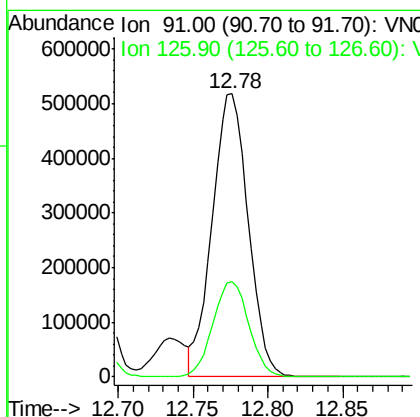
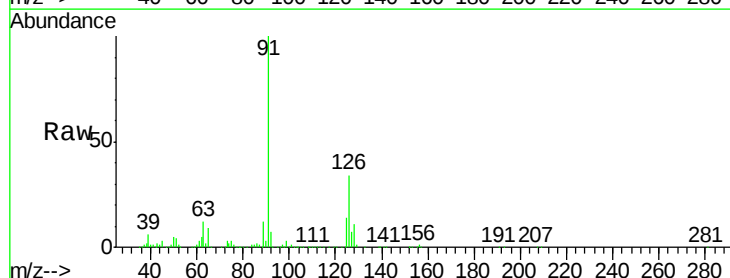
RT: 12.78 min Scan# 3479

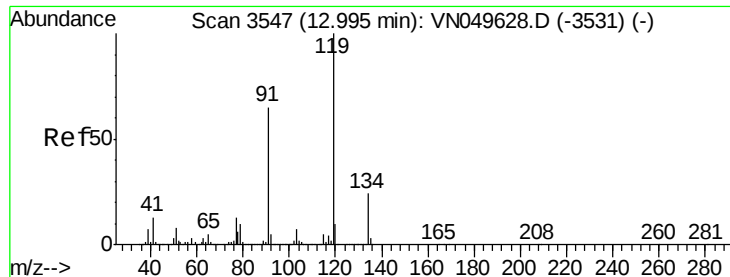
Delta R.T. 0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Tgt Ion:	91	Resp:	868246
Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.2	51.6





#83

tert-Butylbenzene

Concen: 19.607 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Instrument :

MSVOA_N

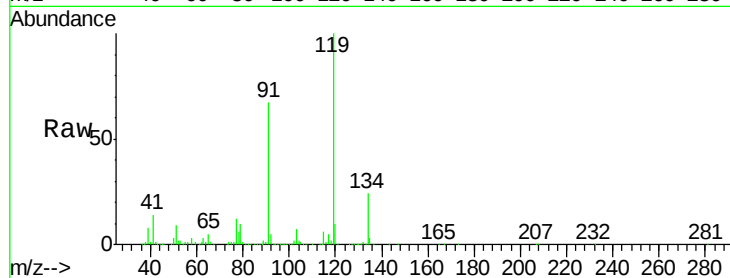
ClientSampled :

VN0706WBSD01

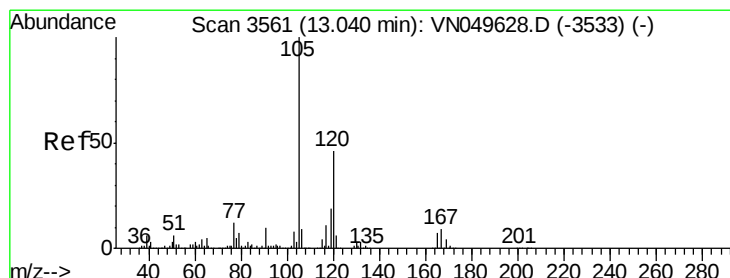
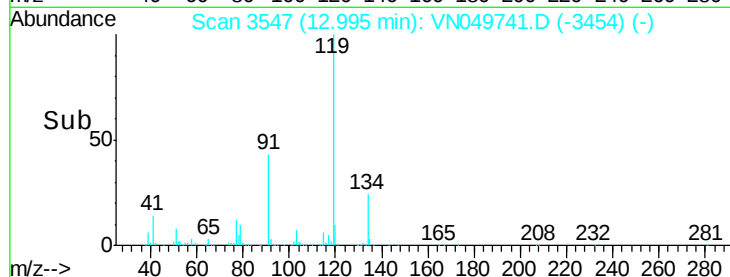
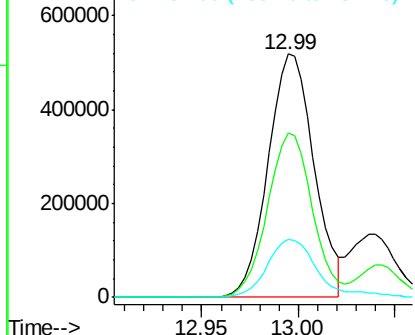
Tot Ion:	119	Resp:	854970
Ion Ratio	Lower	Upper	
119	100		
91	65.9	32.0	96.2
134	26.1	12.8	38.4

Manual Integrations
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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.392 ug/l

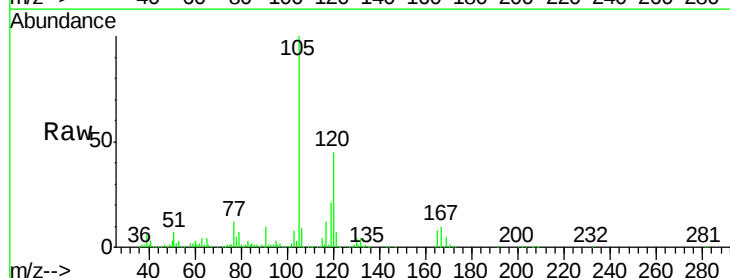
RT: 13.04 min Scan# 3561

Delta R.T. 0.00 min

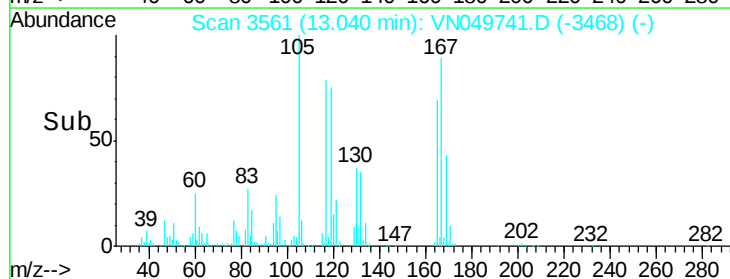
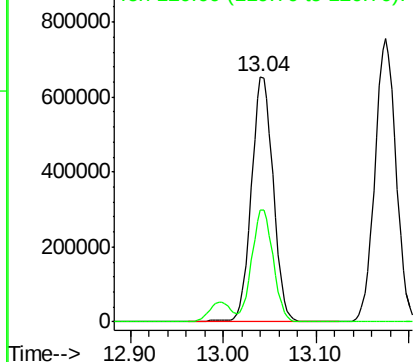
Lab File: VN049741.D

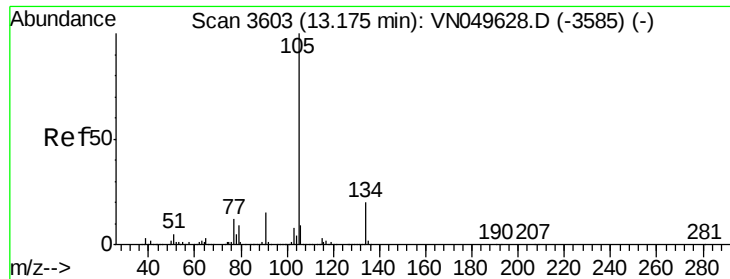
Acq: 6 Jul 2018 16:12

Tgt Ion:	105	Resp:	1063589
Ion Ratio	Lower	Upper	
105	100		
120	45.1	22.7	68.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





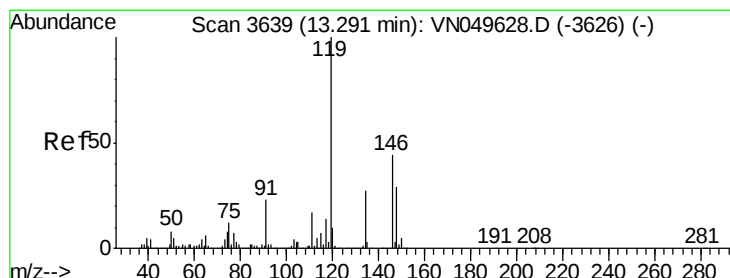
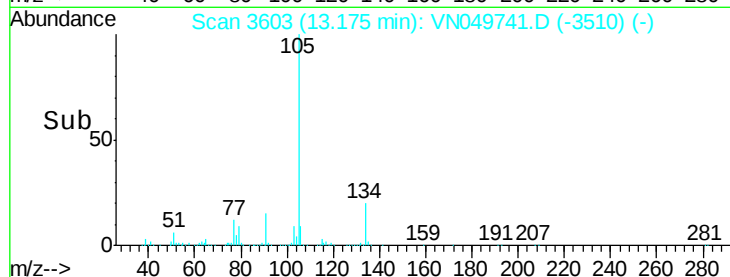
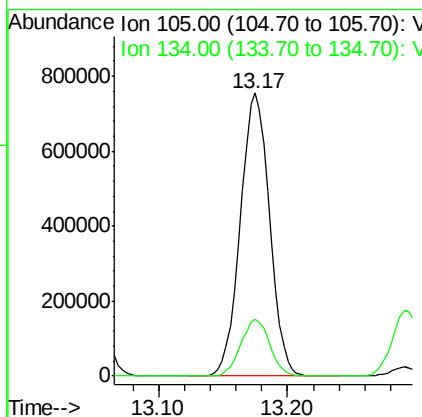
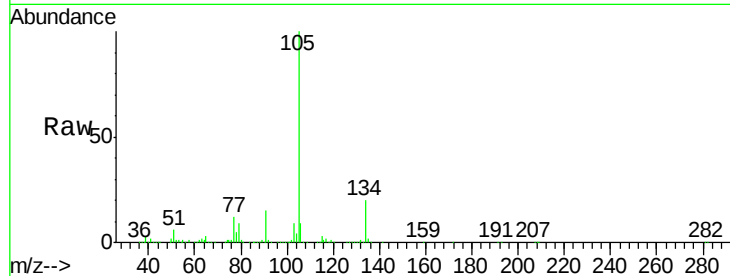
#85
 sec-Butylbenzene
 Concen: 20.537 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBSD01

Tot Ion:105 Resp: 1186478
 Ion Ratio Lower Upper
 105 100
 134 20.1 10.1 30.1

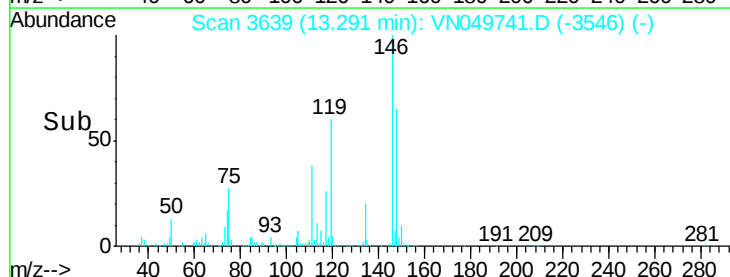
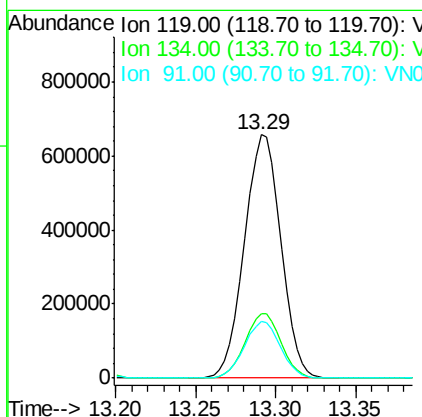
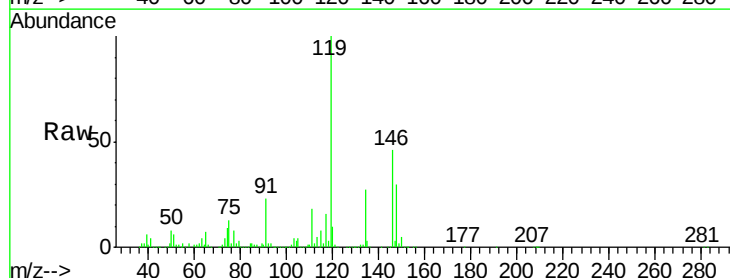
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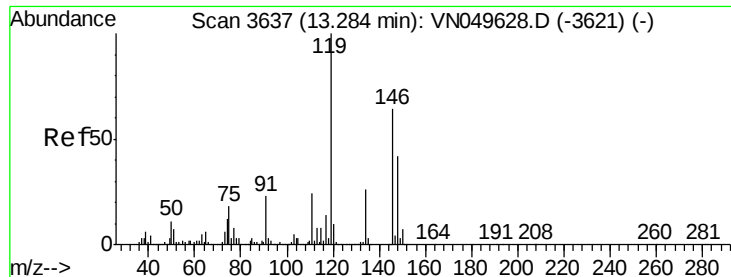
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#86
 p-Isopropyltoluene
 Concen: 20.388 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Tgt Ion:119 Resp: 1020250
 Ion Ratio Lower Upper
 119 100
 134 26.1 13.3 39.9
 91 23.0 11.4 34.1





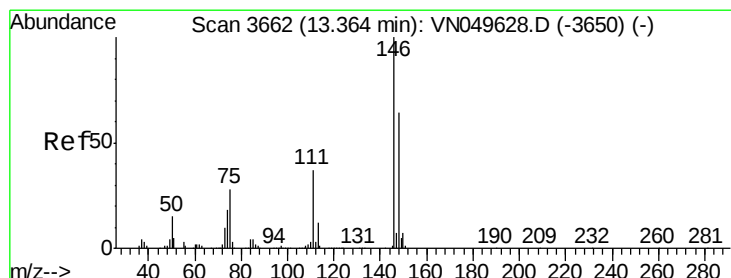
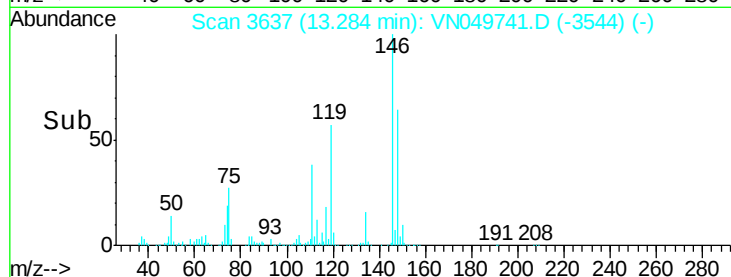
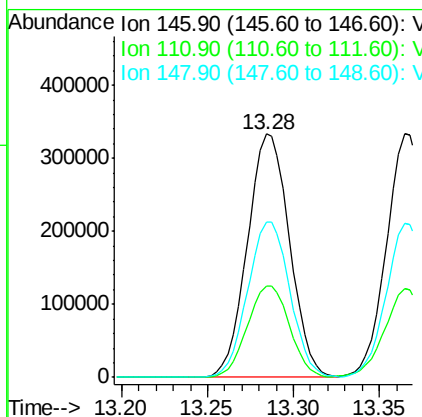
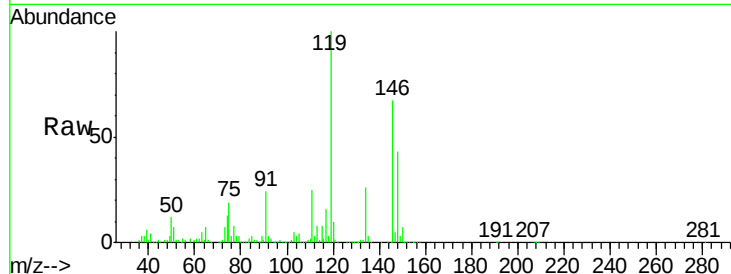
#87
 1,3-Dichlorobenzene
 Concen: 19.801 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	19.0	57.0
148	63.9	32.5	97.5

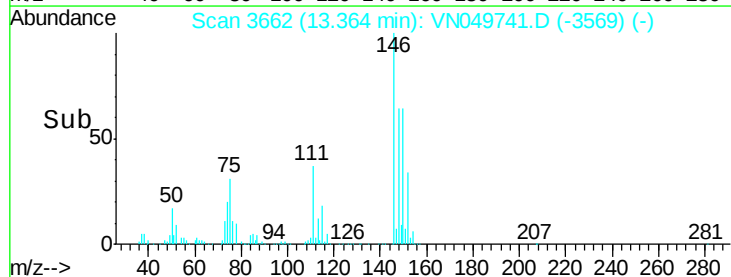
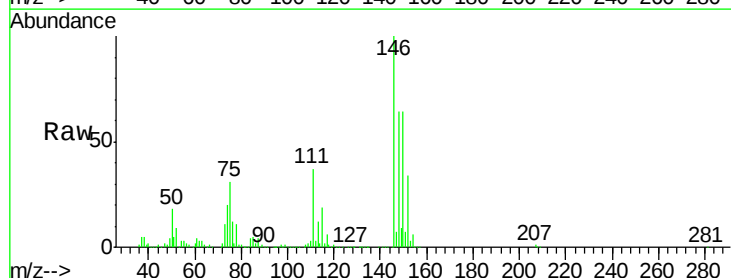
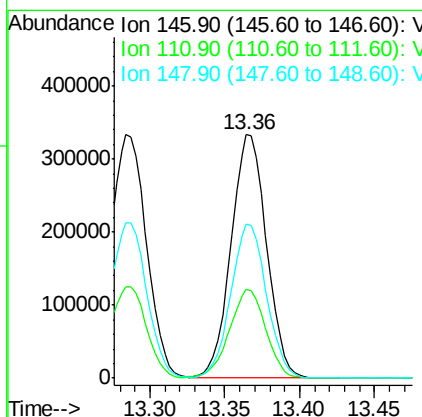
Manual Integrations
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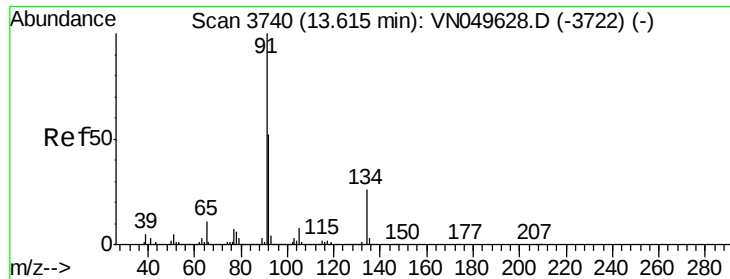
MMDadoda
 7/9/2018 6:00:33 PM



#88
 1,4-Dichlorobenzene
 Concen: 19.631 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.5
148	63.8	32.1	96.3





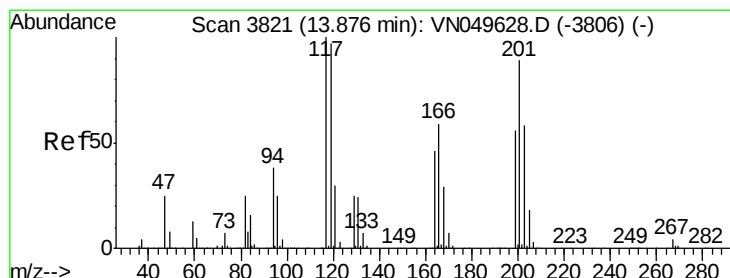
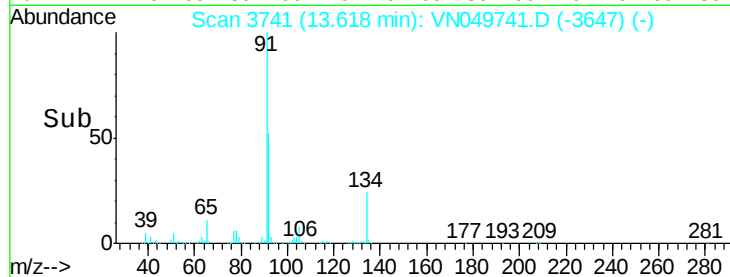
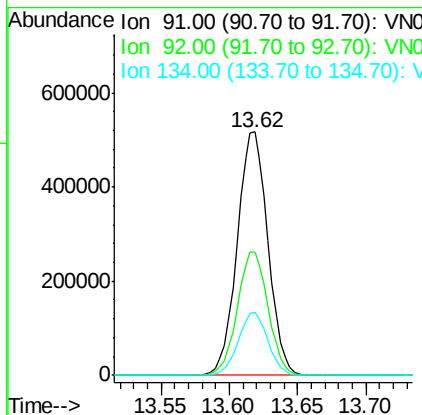
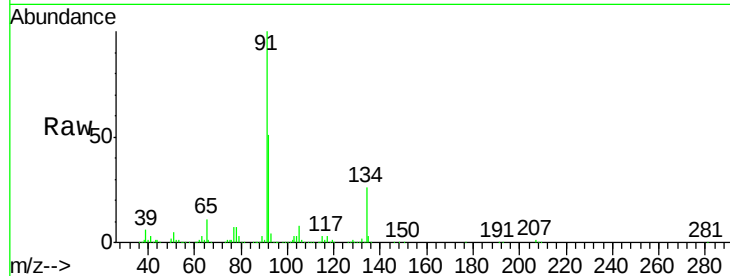
#89
n-Butylbenzene
Concen: 18.786 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Instrument :
MSVOA_N
ClientSampleId :
VN0706WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		804801		
92	50.8	25.8	77.3		
134	25.1	13.0	38.9		

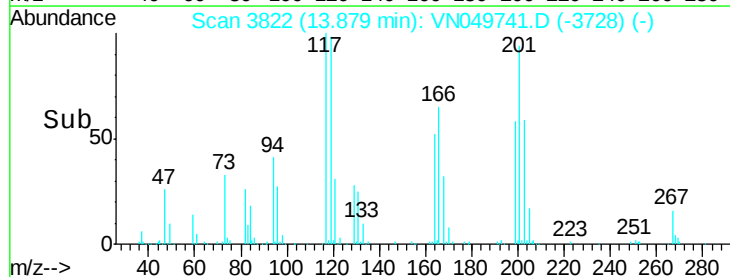
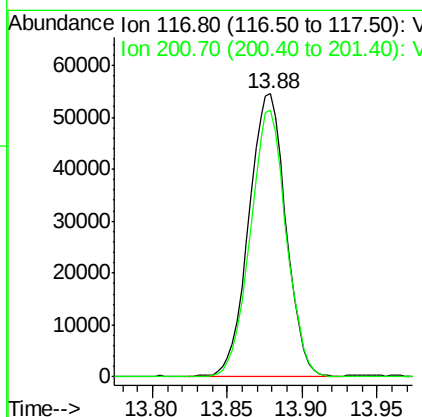
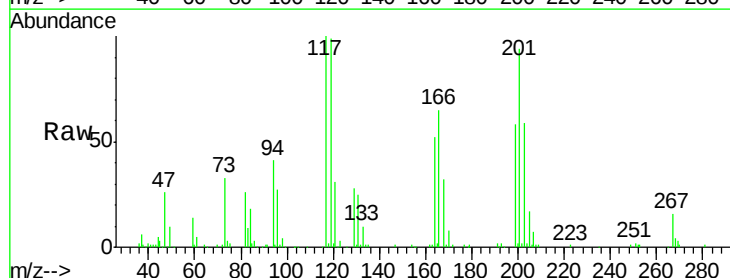
Manual Integrations
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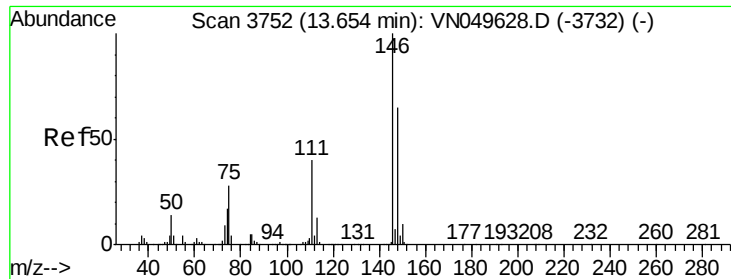
MMDadoda
7/9/2018 6:00:33 PM



#90
Hexachloroethane
Concen: 17.888 ug/l
RT: 13.88 min Scan# 3822
Delta R.T. 0.00 min
Lab File: VN049741.D
Acq: 6 Jul 2018 16:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		94023		
201	91.3	45.3	135.8		





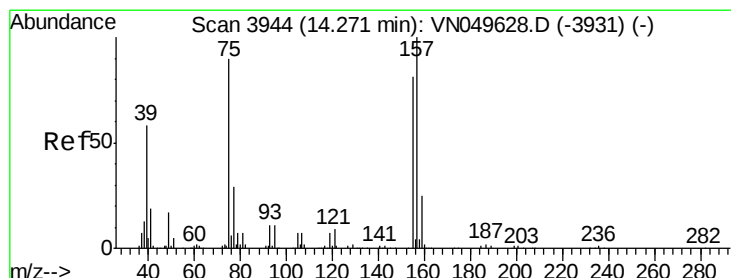
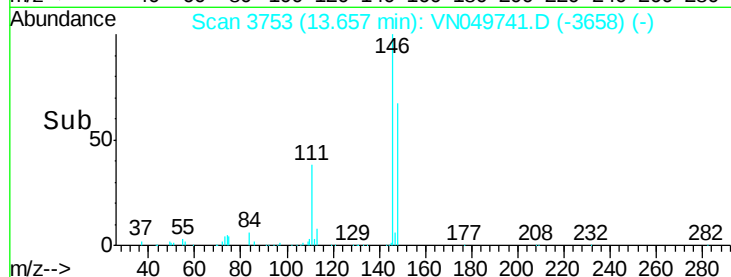
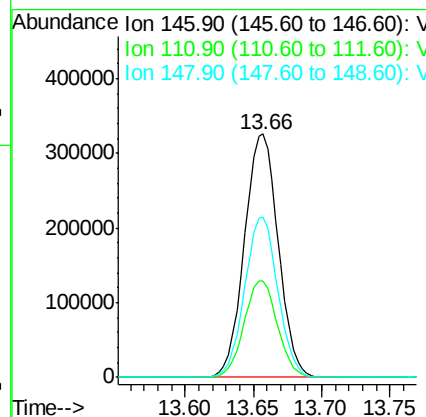
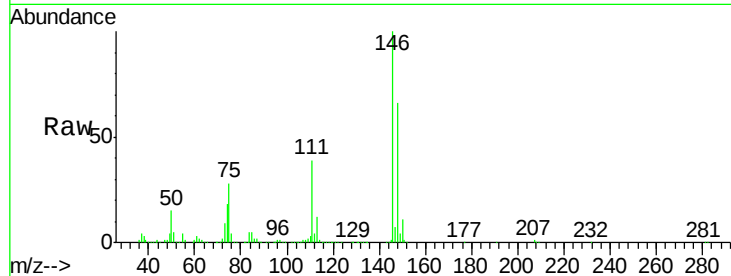
#91
 1,2-Dichlorobenzene
 Concen: 20.070 ug/l
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.7	59.1
148	64.4	32.0	96.2

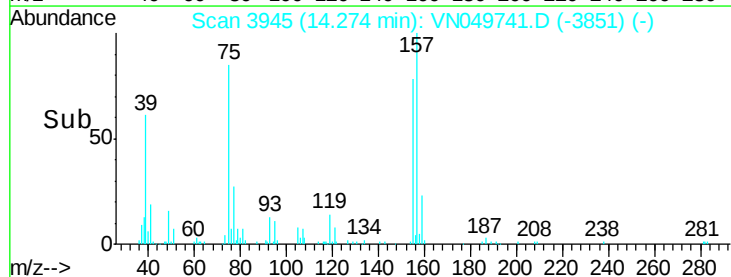
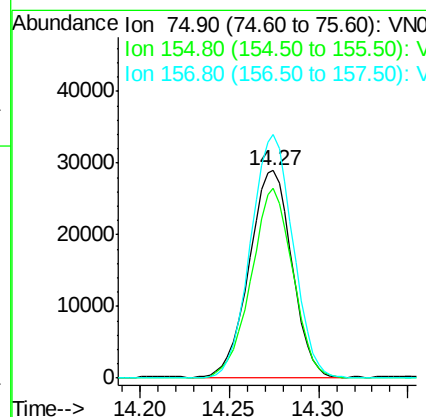
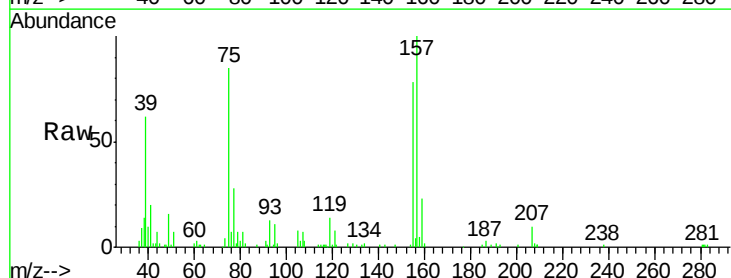
Manual Integrations
 APPROVED

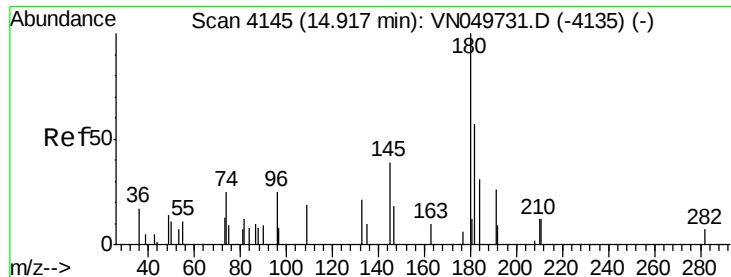
MMDadoda
 7/9/2018 6:00:33 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.301 ug/l
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.6	45.7	137.1
157	115.6	56.9	170.7





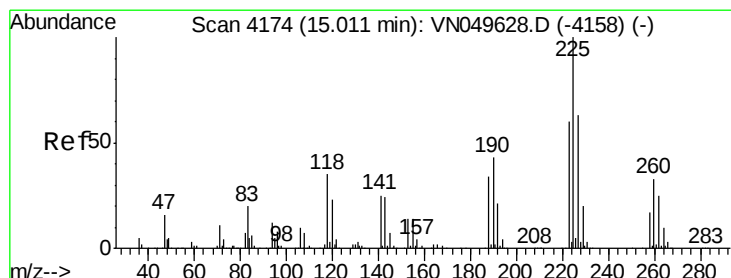
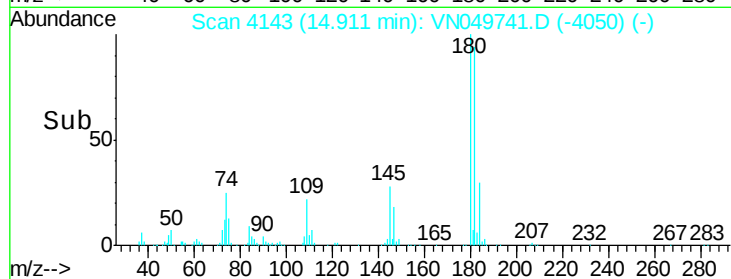
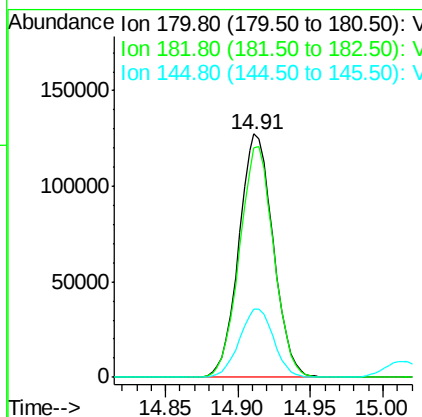
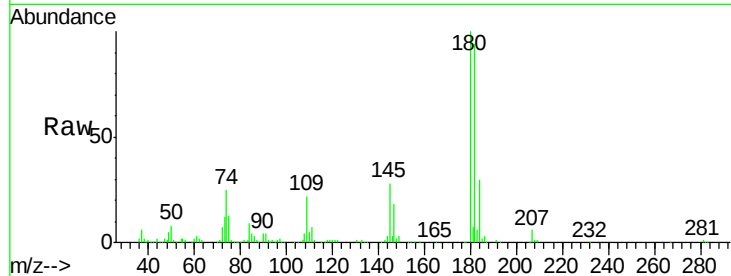
#93
 1,2,4-Trichlorobenzene
 Concen: 16.507 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0706WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	209343		
182	94.6	47.3	141.9	
145	28.3	14.4	43.0	

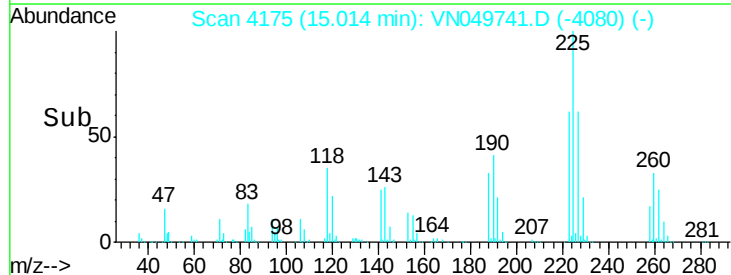
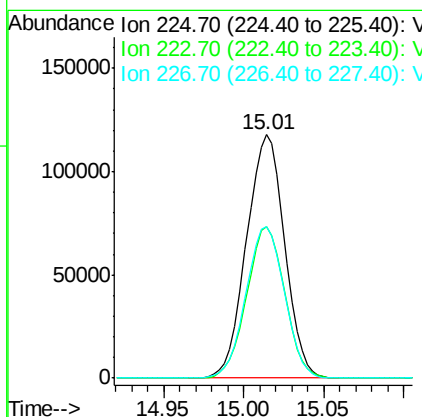
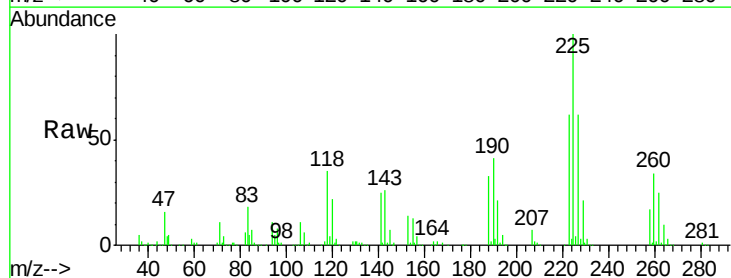
Manual Integrations
 APPROVED

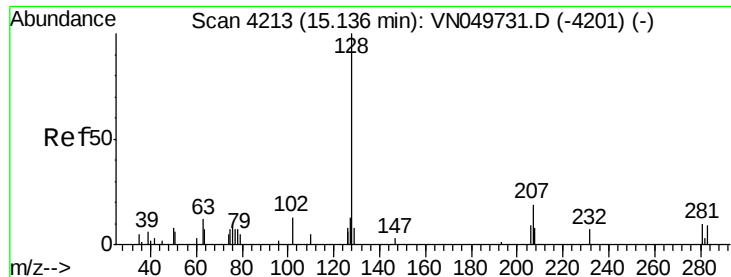
MMDadoda
 7/9/2018 6:00:33 PM



#94
 Hexachlorobutadiene
 Concen: 22.395 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049741.D
 Acq: 6 Jul 2018 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	192442		
223	62.2	30.9	92.7	
227	63.0	31.8	95.4	





#95

Naphthalene

Concen: 17.021 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Instrument :

MSVOA_N

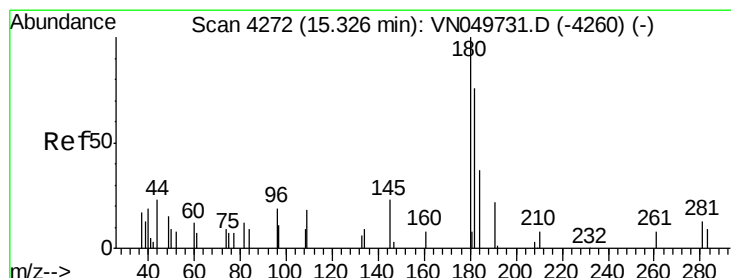
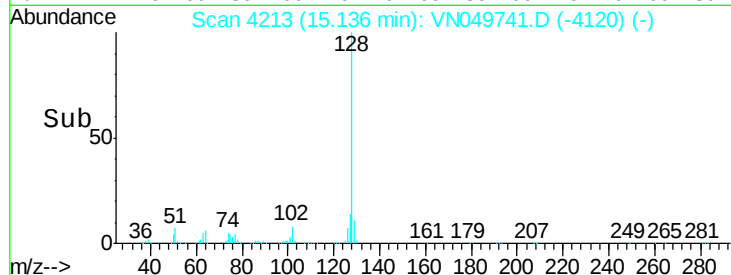
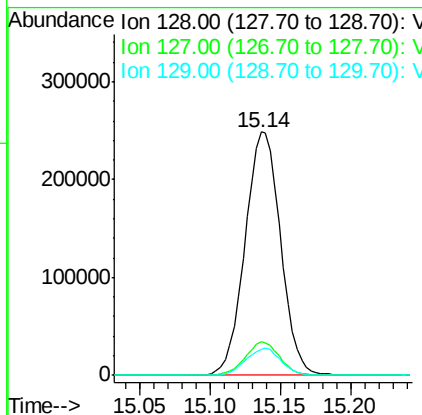
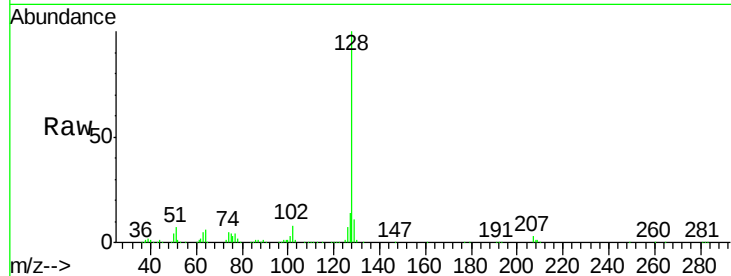
ClientSampled :

VN0706WBSD01

Tot Ion:	128	Resp:	439810
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

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7/9/2018 6:00:33 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.757 ug/l

RT: 15.32 min Scan# 4270

Delta R.T. 0.00 min

Lab File: VN049741.D

Acq: 6 Jul 2018 16:12

Tgt Ion:	180	Resp:	223520
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.4	142.2
145	30.0	15.2	45.6

