

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
 Data File : VN051628.D
 Acq On : 1 Oct 2018 11:12
 Operator : MD\SY
 Sample : VN1001WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/2/2018 3:03:52 PM

Quant Time: Oct 02 01:13:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	104167	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	565432	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	490078	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	223114	30.76	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.53%
60) 4-Bromofluorobenzene	12.40	95	227996	30.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.83%
63) Toluene-d8	10.09	98	705115	30.49	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.63%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	190411	20.829	ug/l 97
3) Chloromethane	2.06	50	217534	21.264	ug/l 98
4) Vinyl Chloride	2.19	62	186617	18.596	ug/l 99
5) Bromomethane	2.57	94	98608	18.916	ug/l 96
6) Chloroethane	2.71	64	93385	18.549	ug/l 98
7) Trichlorofluoromethane	3.02	101	239004	19.492	ug/l 100
8) Diethyl Ether	3.41	74	73853	19.176	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	146831	21.185	ug/l 98
10) 1,1-Dichloroethene	3.74	96	127232	20.228	ug/l 99
11) Methyl Iodide	3.95	142	158988	19.637	ug/l 98
12) Methyl Acetate	4.33	43	109103	19.655	ug/l 95
13) Acrolein	3.61	56	50583	82.479	ug/l 99
14) Acrylonitrile	4.99	53	221580	99.672	ug/l 97
15) Acetone	3.82	58	58093	99.666	ug/l 99
16) Carbon Disulfide	4.05	76	395357	19.506	ug/l 100
17) Allyl chloride	4.33	41	220116	19.563	ug/l 98
18) Methylene Chloride	4.55	84	148693	20.563	ug/l 98
19) trans-1,2-Dichloroethene	5.04	96	133981	20.067	ug/l 99
20) Diisopropyl ether	5.96	45	464327	20.803	ug/l 99
21) 1,1-Dichloroethane	5.85	63	270365	20.437	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	146887	20.144	ug/l 100
23) tert-Butyl Alcohol	4.79	59	39502	92.894	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	327136	19.790	ug/l 100
25) Chloroform	7.37	83	265534	20.993	ug/l 100
26) Cyclohexane	7.65	56	232510	20.310	ug/l 99
29) 1,1-Dichloropropene	7.80	75	198050	20.541	ug/l 99
30) 2-Butanone	6.84	43	256207	97.635	ug/l 100
31) 2,2-Dichloropropane	6.83	77	213519	20.519	ug/l 100
32) 1,1,1-Trichloroethane	7.57	97	220292	20.335	ug/l 99
33) Carbon Tetrachloride	7.78	117	202057	20.752	ug/l 99
34) Benzene	8.04	78	592238	20.704	ug/l 99
35) Methacrylonitrile	7.18	41	61224	20.752	ug/l 97
36) 1,2-Dichloroethane	8.13	62	186813	20.488	ug/l 99
37) Trichloroethene	8.84	130	149439	20.348	ug/l 97
38) Methylcyclohexane	9.08	83	216712	19.478	ug/l 99
39) 1,2-Dichloropropane	9.12	63	164649	21.006	ug/l 98
40) Dibromomethane	9.21	93	88461	20.317	ug/l 99

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Quant Time: Oct 02 01:13:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Sep 29 01:07:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	191862	20.187	ug/l	96
42) Vinyl Acetate	5.90	43	1434343	98.182	ug/l	100
43) Ethyl Acetate	6.93	43	110081	19.818	ug/l #	81
44) Isopropyl Acetate	8.17	43	202044	18.577	ug/l	99
45) 1,4-Dioxane	9.20	88	23373	397.281	ug/l	95
46) Methyl methacrylate	9.20	41	97729	19.317	ug/l	97
47) n-amyl Acetate	12.07	43	146059	17.949	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	183125	19.305	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	220907	19.919	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	126353	20.534	ug/l	98
51) Ethyl methacrylate	10.43	69	137797	18.457	ug/l	97
52) 1,3-Dichloropropane	10.71	76	211926	20.087	ug/l	98
53) Dibromochloromethane	10.90	129	141647	20.212	ug/l	99
54) 1,2-Dibromoethane	11.01	107	117417	19.887	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	331527	89.842	ug/l	100
56) Bromoform	12.13	173	92284	19.845	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	563109	101.203	ug/l	99
59) 2-Hexanone	10.75	43	355011	96.984	ug/l	98
61) Tetrachloroethene	10.63	164	143285	20.651	ug/l	98
62) Toluene	10.16	91	610040	20.301	ug/l	100
64) Chlorobenzene	11.43	112	360878	19.862	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	141347	20.373	ug/l	99
66) Ethyl Benzene	11.51	91	599358	19.488	ug/l	99
67) m/p-Xylenes	11.62	106	485856	40.990	ug/l	99
68) o-Xylene	11.95	106	226877	20.051	ug/l	97
69) Styrene	11.96	104	354014	19.933	ug/l	100
70) Isopropylbenzene	12.25	105	602342	19.957	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	150305	20.583	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	133788m	21.429	ug/l	
73) Bromobenzene	12.53	156	147530	19.642	ug/l	98
74) n-propylbenzene	12.59	91	698824	19.889	ug/l	99
75) 2-Chlorotoluene	12.67	91	417905	19.918	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	512456	20.319	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	36907	18.665	ug/l	93
78) 4-Chlorotoluene	12.77	91	411908	19.875	ug/l	99
79) tert-butylbenzene	12.99	119	426599	19.524	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	517570	20.547	ug/l	99
81) sec-Butylbenzene	13.17	105	610245	20.219	ug/l	99
82) p-Isopropyltoluene	13.29	119	514468	19.944	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	260056	19.870	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	233106	18.947	ug/l	98
85) n-Butylbenzene	13.62	91	401595	18.967	ug/l	99
86) Hexachloroethane	13.87	117	103138	19.990	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	259849	20.295	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	18568	17.446	ug/l	93
89) 1,2,4-Trichlorobenzene	14.91	180	98247	16.395	ug/l	99
90) Hexachlorobutadiene	15.01	225	101363	20.748	ug/l	95
91) Naphthalene	15.13	128	162848	17.521	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	103706	17.207	ug/l	98

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Sep 29 01:07:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

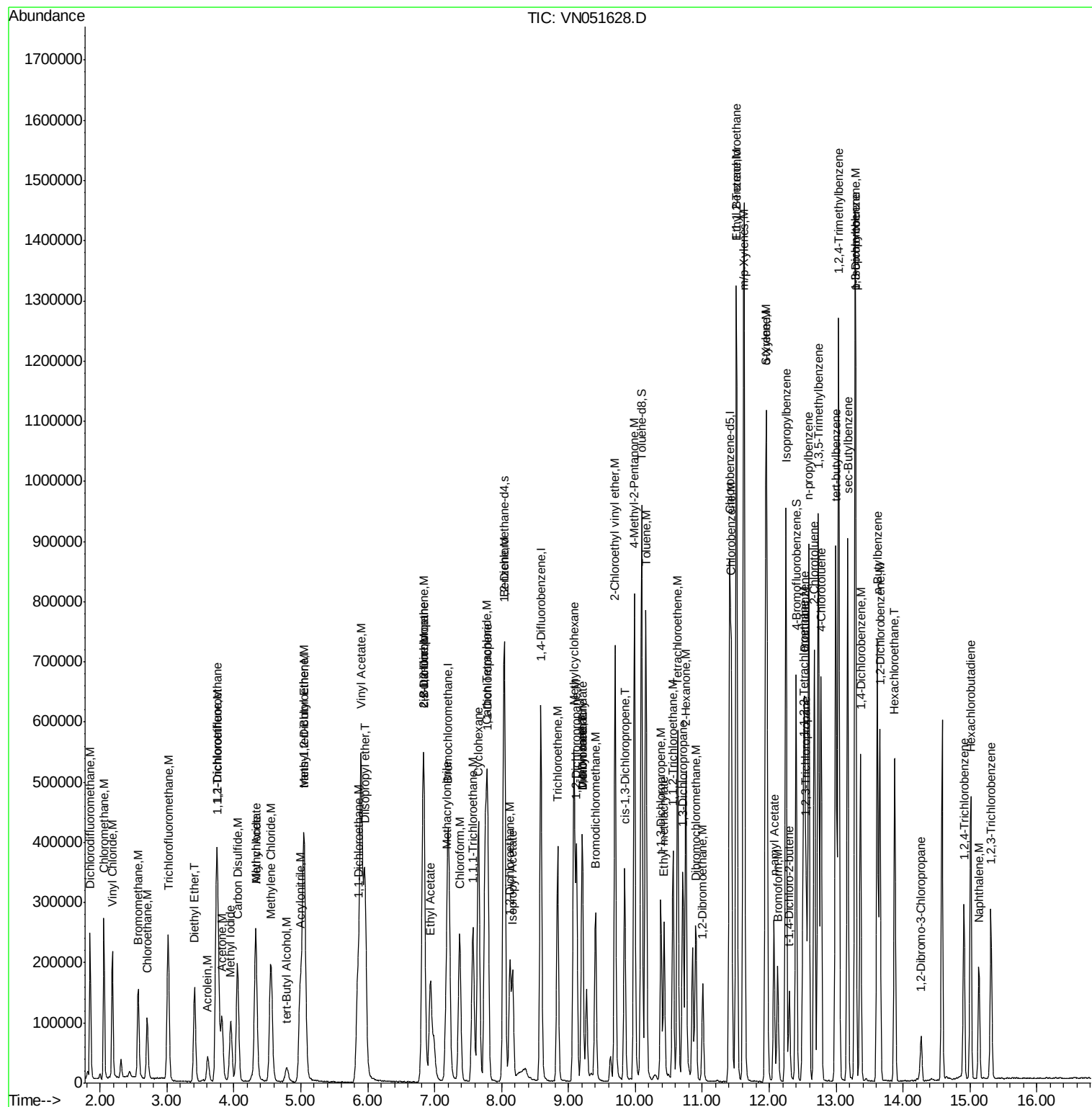
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100118\
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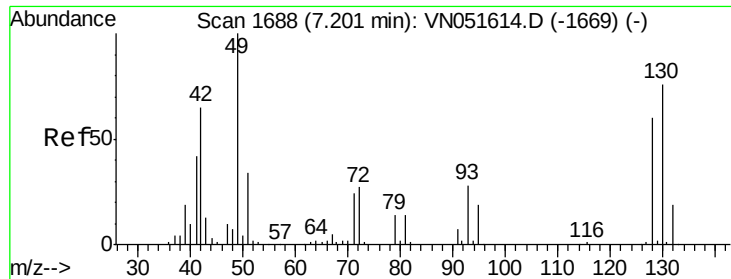
Instrument :
MSVOA_N
Client Sample Id :
VN1001WBS01

Manual Integrations
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10/2/2018 3:03:52 PM

Quant Time: Oct 02 01:13:03 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092818W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Sep 29 01:07:29 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

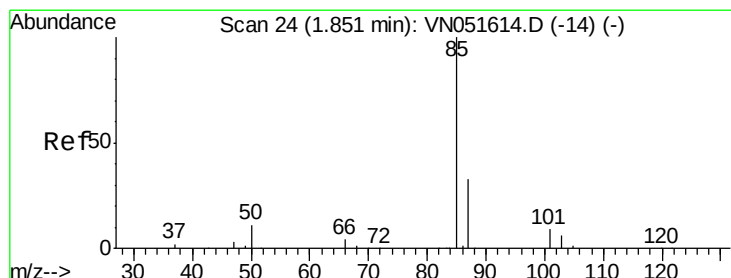
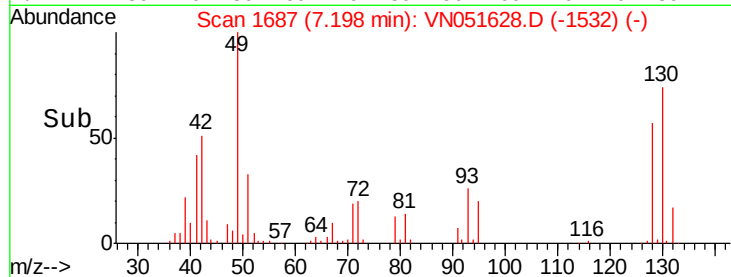
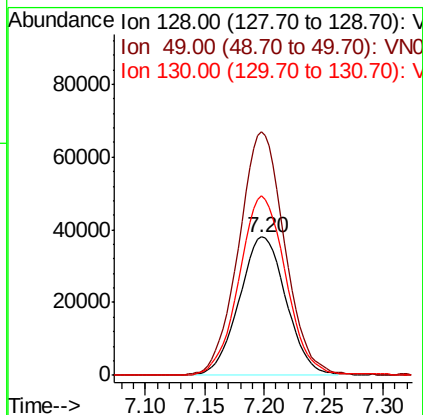
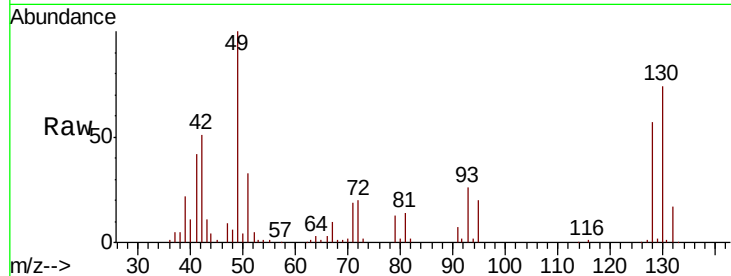
ClientSampled :

VN1001WBS01

Tot Ion:	128	Resp:	104167
Ion	Ratio	Lower	Upper
128	100		
49	172.7	0.0	426.8
130	129.1	0.0	326.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 20.829 ug/l

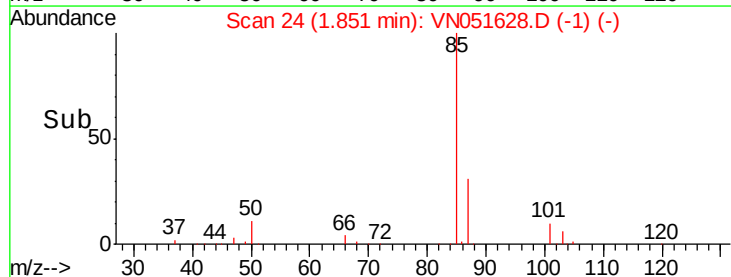
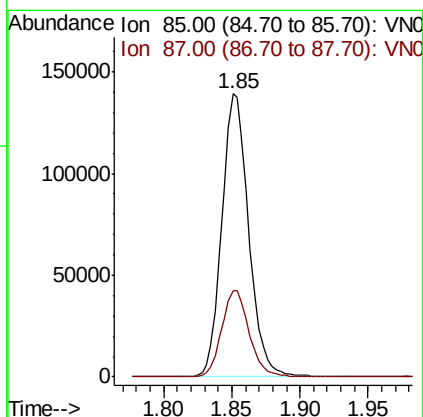
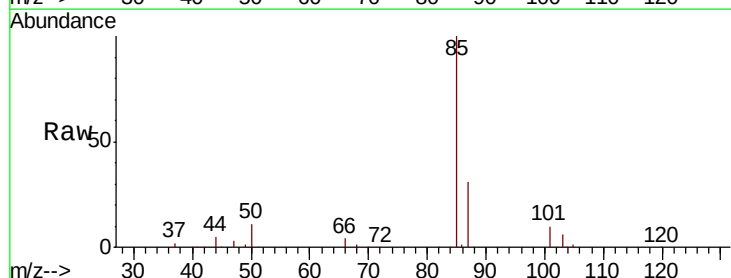
RT: 1.85 min Scan# 24

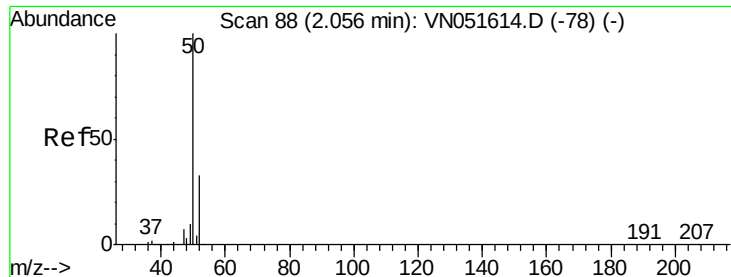
Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Tgt Ion:	85	Resp:	190411
Ion	Ratio	Lower	Upper
85	100		
87	30.6	16.3	48.8





#3

Chloromethane

Concen: 21.264 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

Tot Ion: 50 Resp: 217534

Ion Ratio Lower Upper

50 100

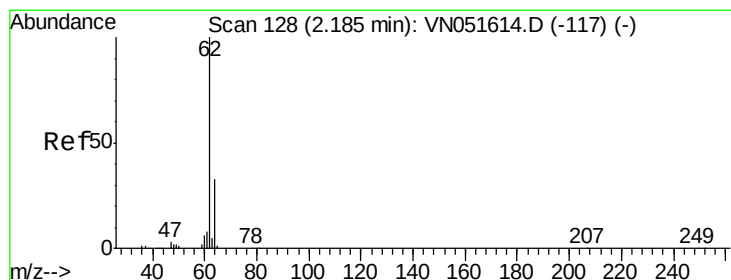
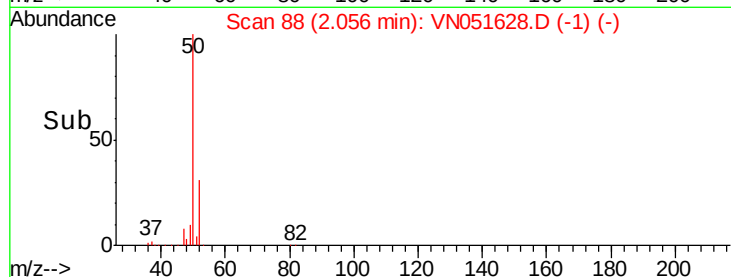
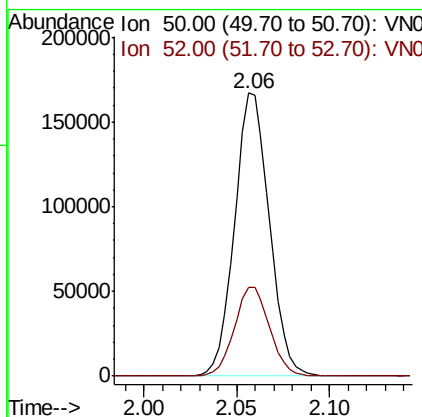
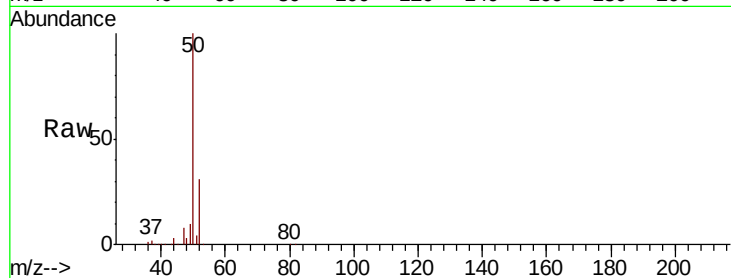
52 31.5 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.596 ug/l

RT: 2.19 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051628.D

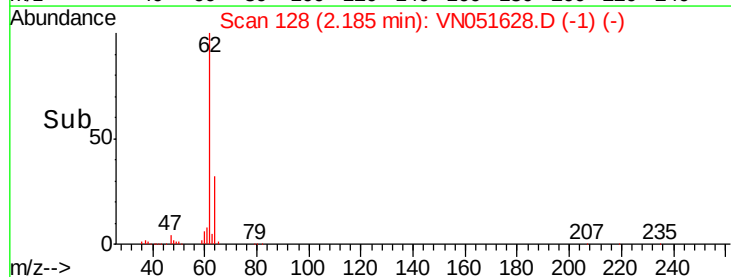
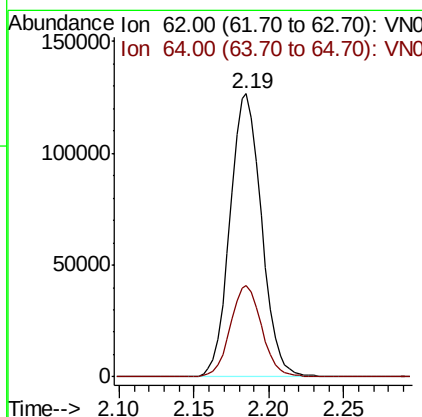
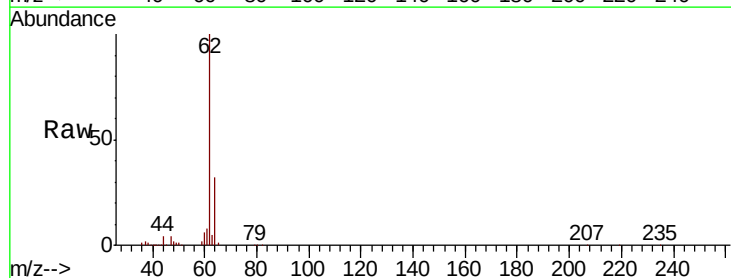
Acq: 1 Oct 2018 11:12

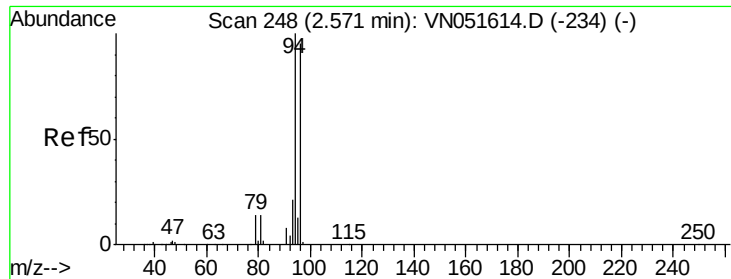
Tgt Ion: 62 Resp: 186617

Ion Ratio Lower Upper

62 100

64 32.4 26.3 39.5





#5

Bromomethane

Concen: 18.916 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

Tot Ion: 94 Resp: 98608

Ion Ratio Lower Upper

94 100

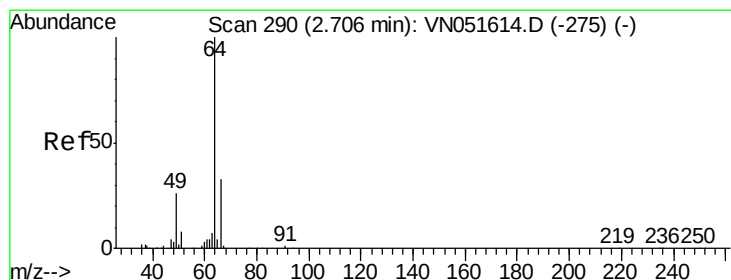
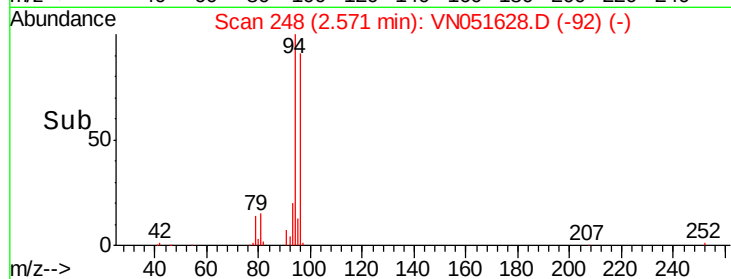
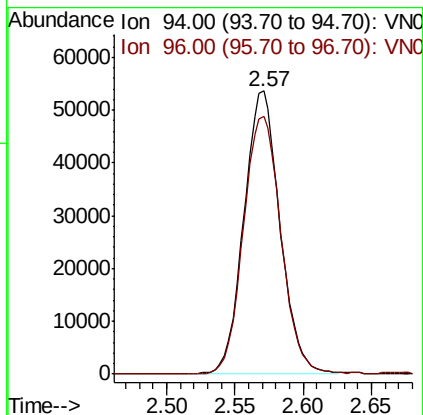
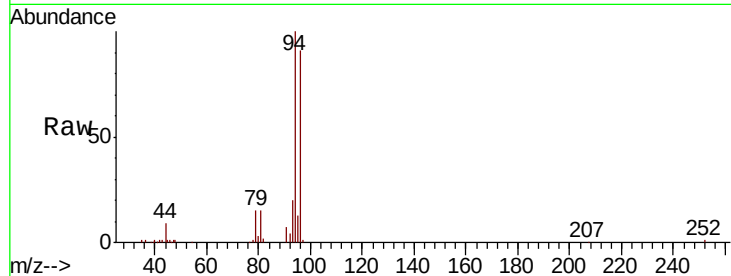
96 90.9 75.8 113.6

Manual Integrations

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#6

Chloroethane

Concen: 18.549 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN051628.D

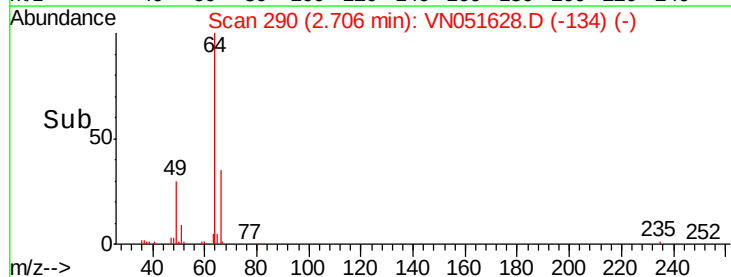
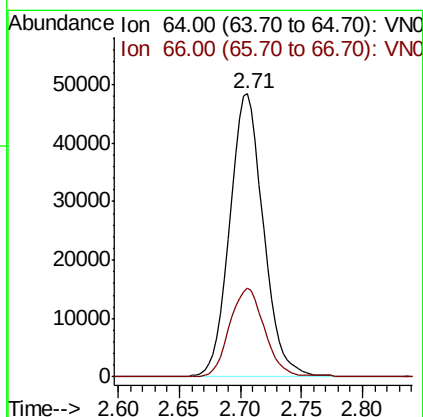
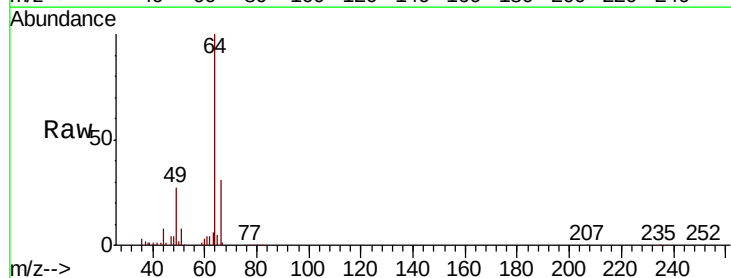
Acq: 1 Oct 2018 11:12

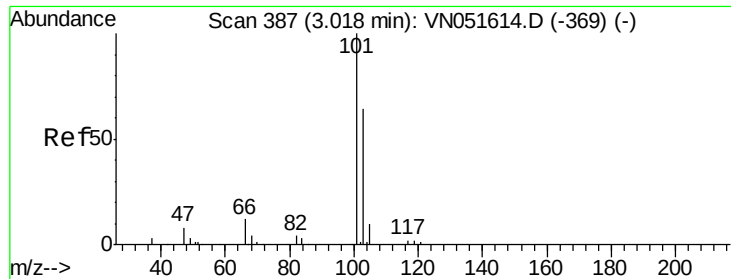
Tgt Ion: 64 Resp: 93385

Ion Ratio Lower Upper

64 100

66 31.3 26.1 39.1





#7

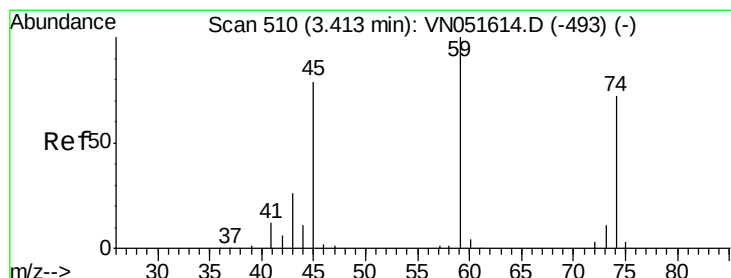
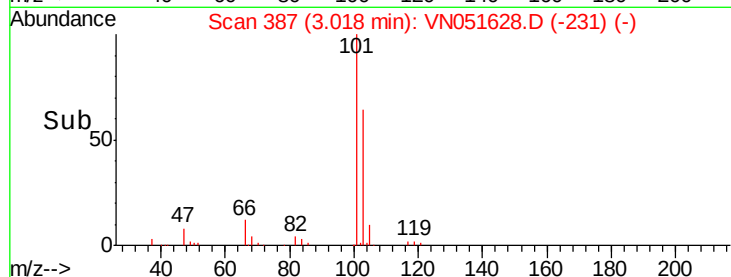
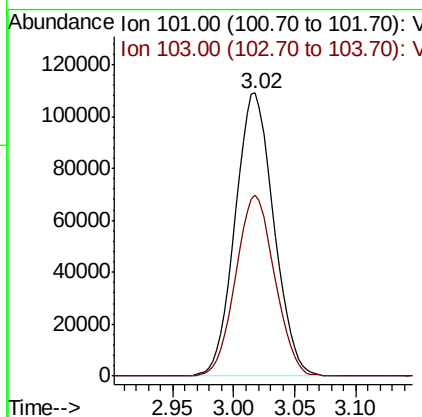
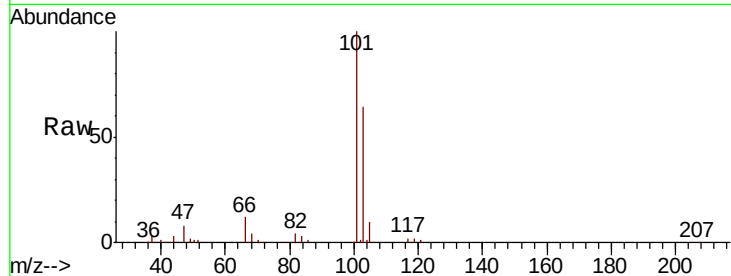
Trichlorofluoromethane
 Concen: 19.492 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	51.2	76.8

Manual Integrations
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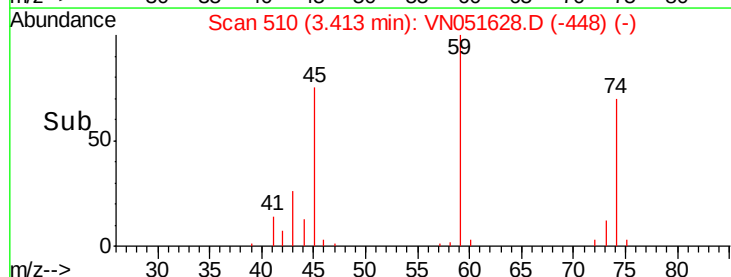
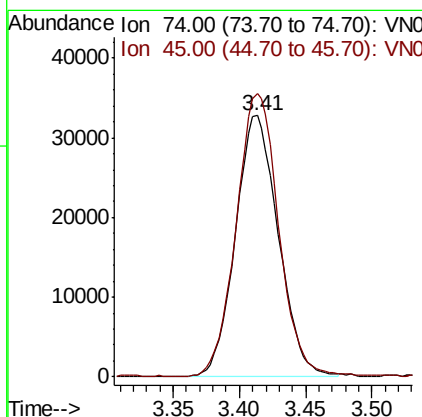
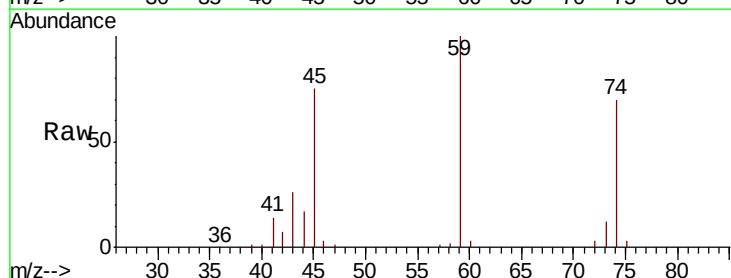
MMDadoda
 10/2/2018 3:03:52 PM

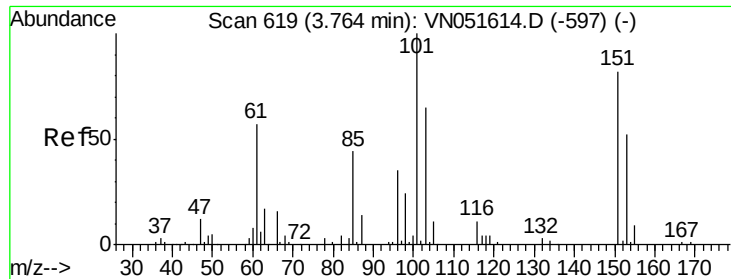


#8

Diethyl Ether
 Concen: 19.176 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
74	100		
45	107.7	21.3	191.5





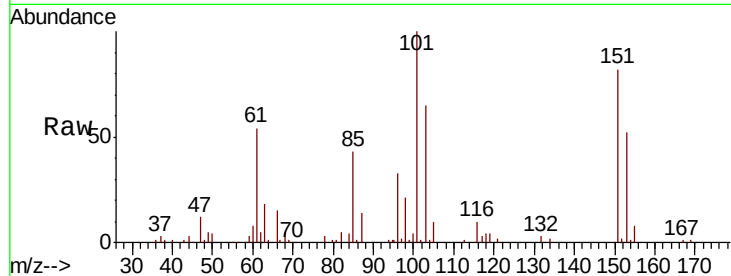
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.185 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN051628.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	146831		
85	43.5	0.0	89.4	
151	81.6	0.0	167.6	

Manual Integrations
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MMDadoda
 10/2/2018 3:03:52 PM

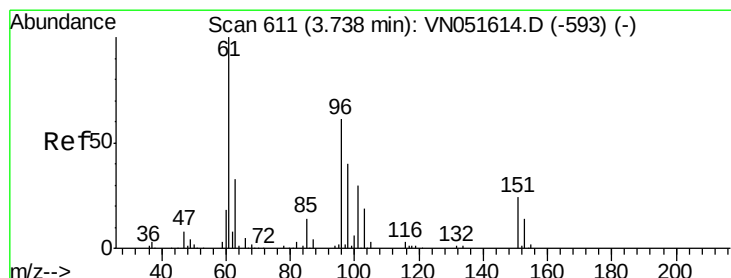
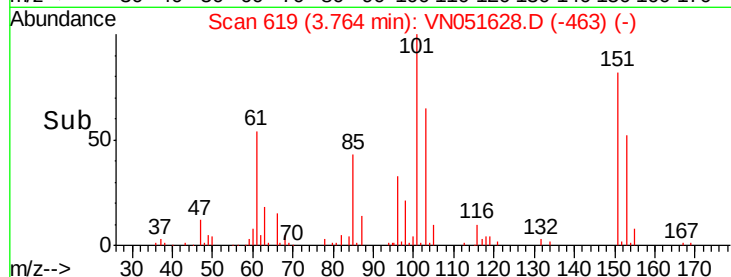
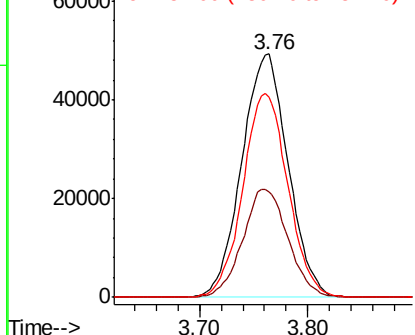


Abundance

Ion 101.00 (100.70 to 101.70): V

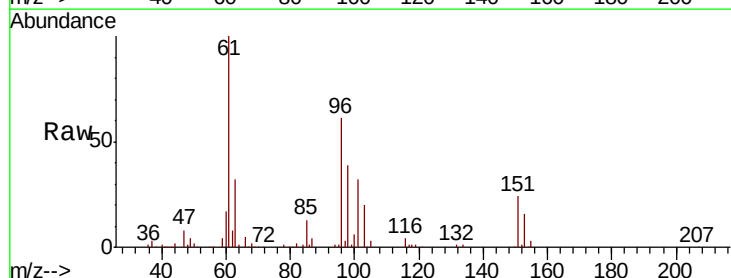
Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10
 1,1-Dichloroethene
 Concen: 20.228 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	127232		
61	163.7	131.0	196.4	
98	63.6	52.7	79.1	

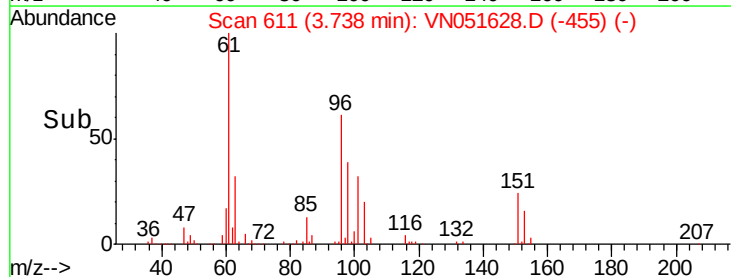
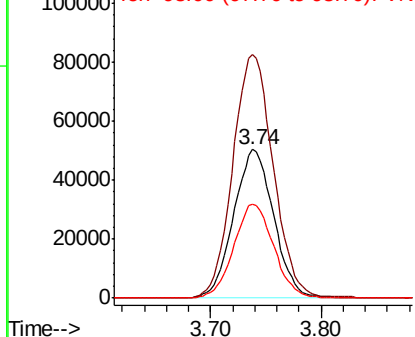


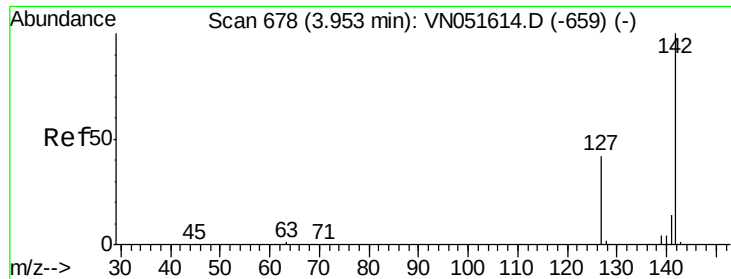
Abundance

Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN





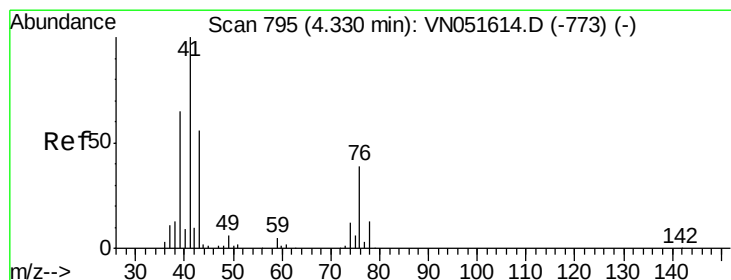
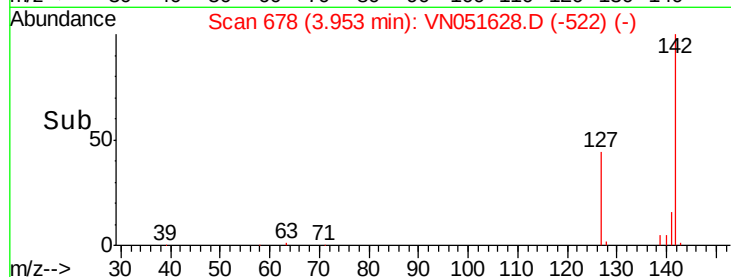
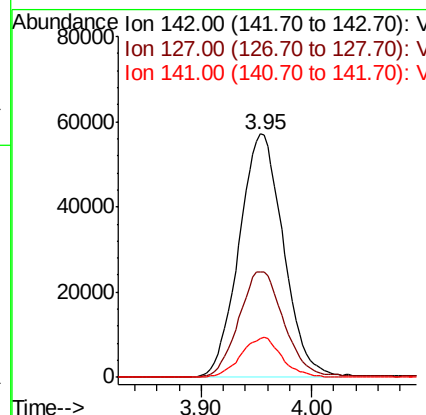
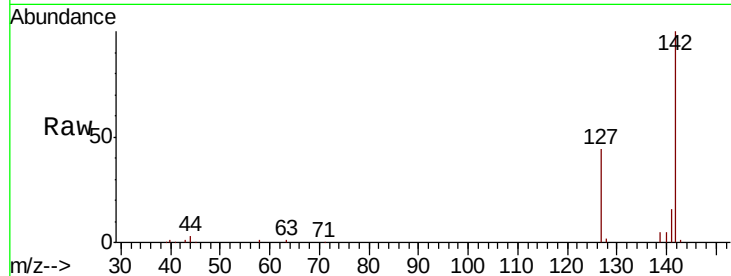
#11
Methyl Iodide
Concen: 19.637 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.3	21.1	63.1
141	15.7	7.1	21.4

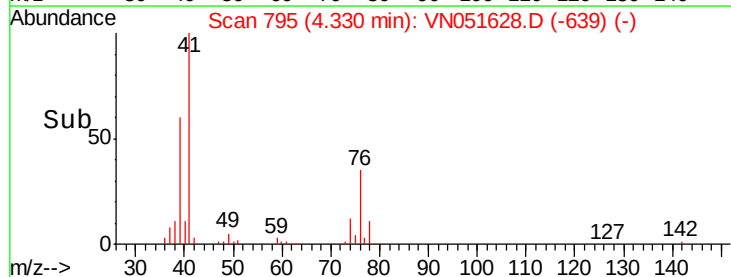
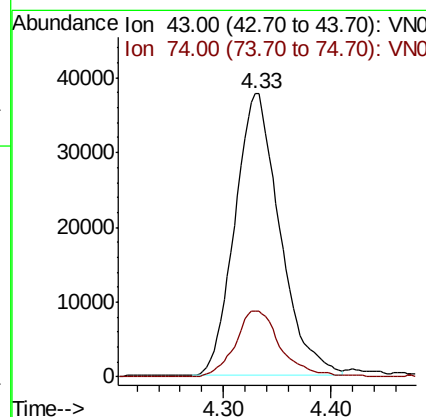
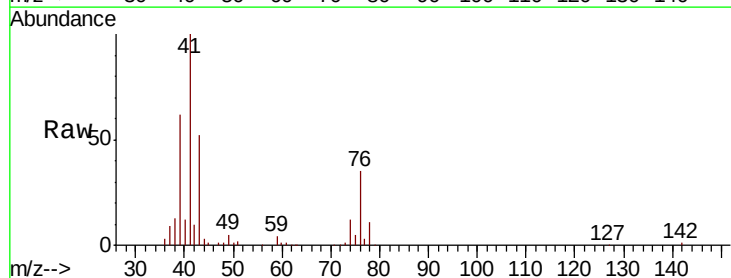
Manual Integrations
APPROVED

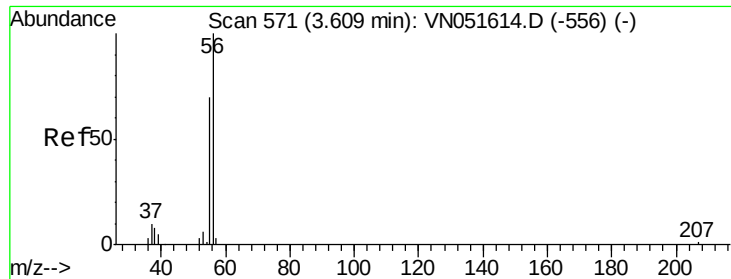
MMDadoda
10/2/2018 3:03:52 PM



#12
Methyl Acetate
Concen: 19.655 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	17.0	25.4





#13

Acrolein

Concen: 82.479 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampled :

VN1001WBS01

Tot Ion: 56 Resp: 50583

Ion Ratio Lower Upper

56 100

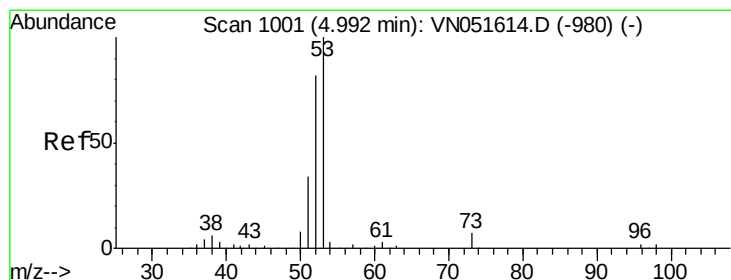
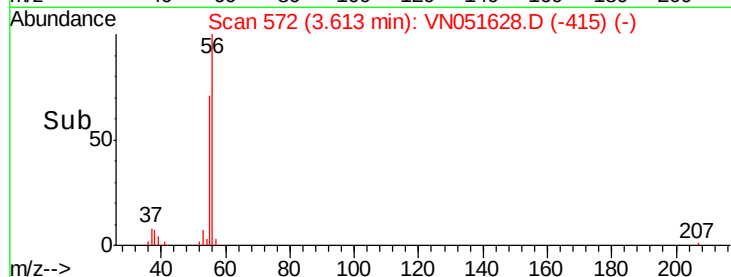
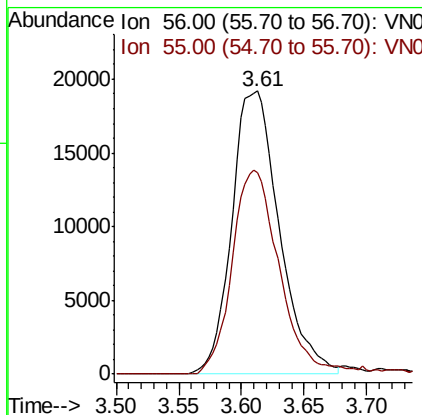
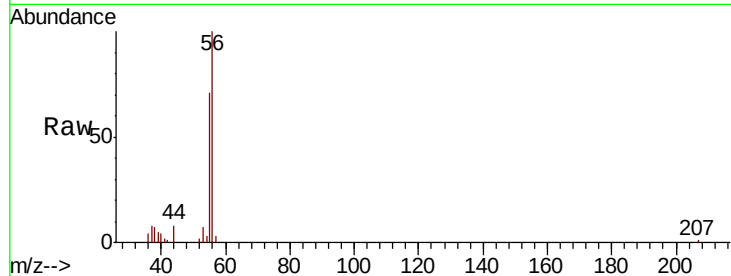
55 70.4 55.8 83.8

Manual Integrations

APPROVED

MMDadoda

10/2/2018 3:03:52 PM



#14

Acrylonitrile

Concen: 99.672 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

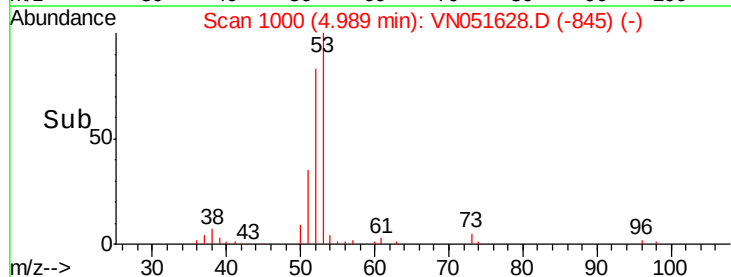
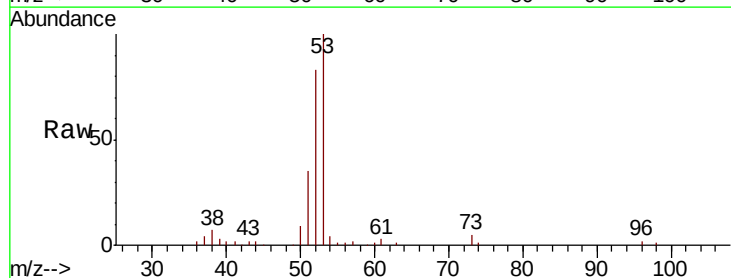
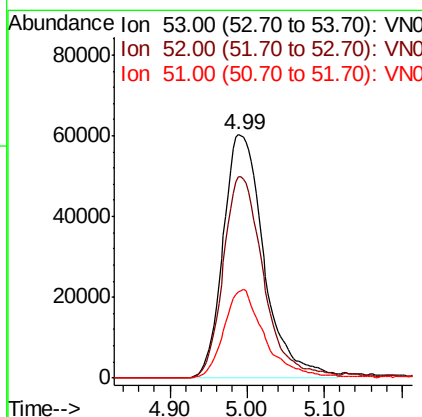
Tgt Ion: 53 Resp: 221580

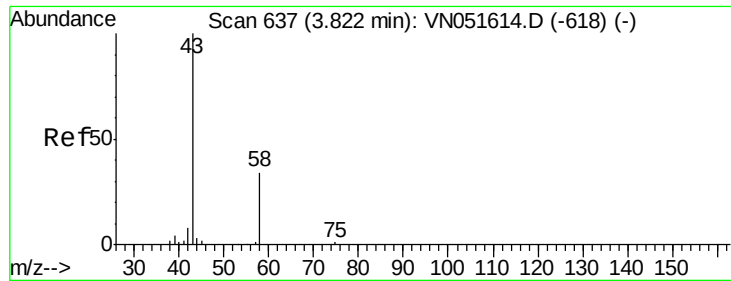
Ion Ratio Lower Upper

53 100

52 79.7 41.3 123.7

51 36.1 17.1 51.2





#15

Acetone

Concen: 99.666 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampled :

VN1001WBS01

Tot Ion: 58 Resp: 58093

Ion Ratio Lower Upper

58 100

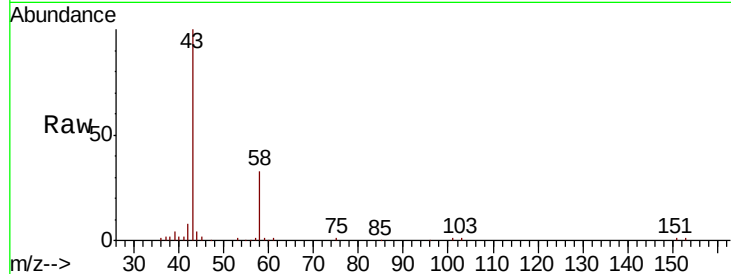
43 299.9 238.0 357.0

Manual Integrations

APPROVED

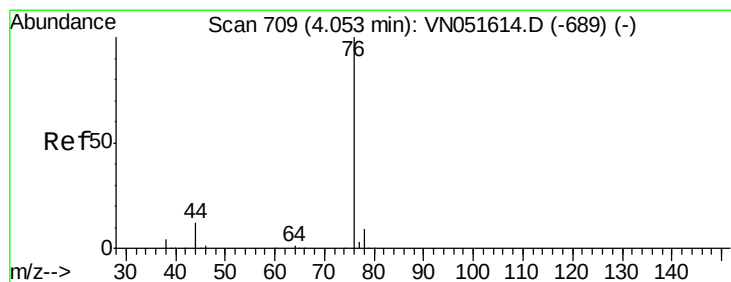
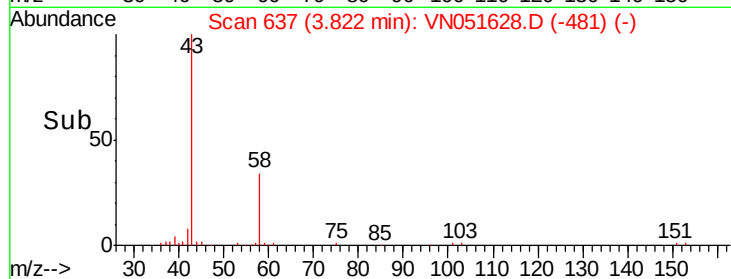
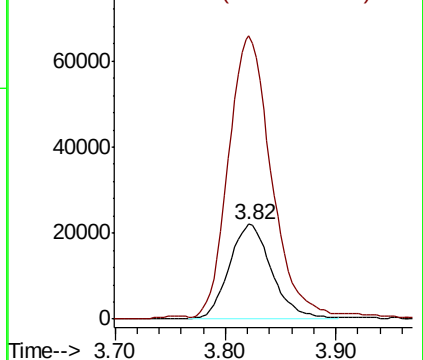
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 19.506 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051628.D

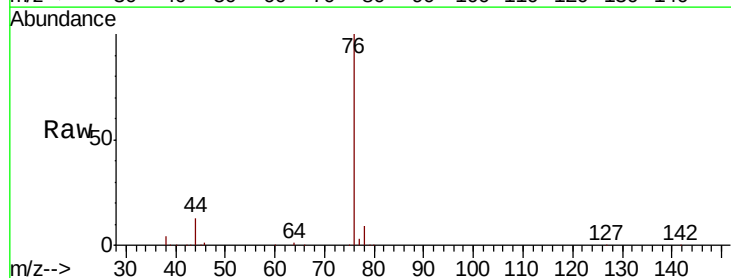
Acq: 1 Oct 2018 11:12

Tgt Ion: 76 Resp: 395357

Ion Ratio Lower Upper

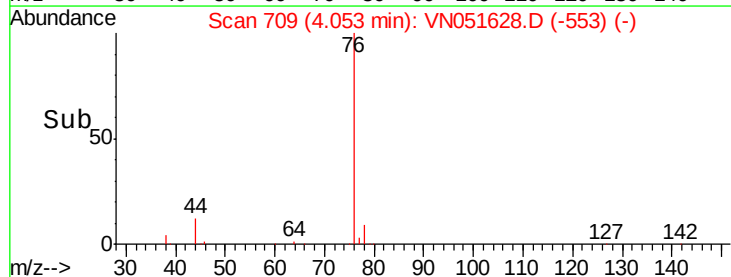
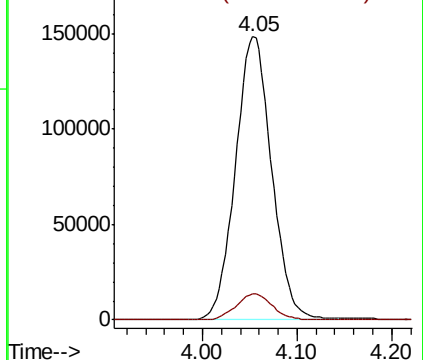
76 100

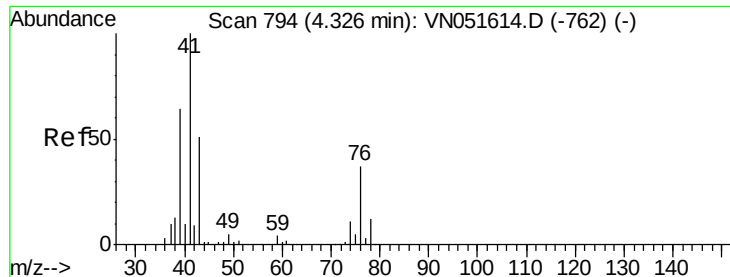
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





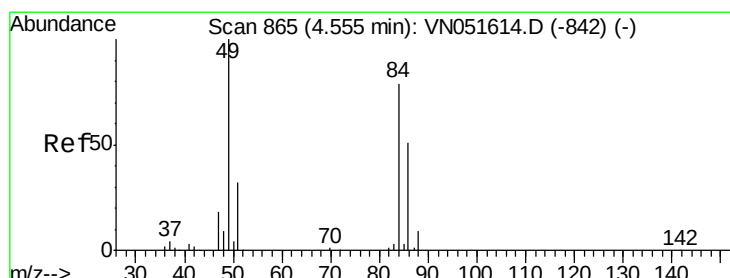
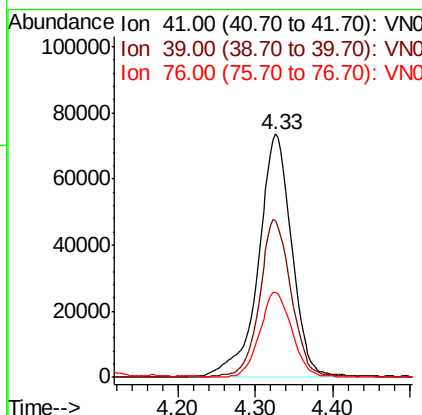
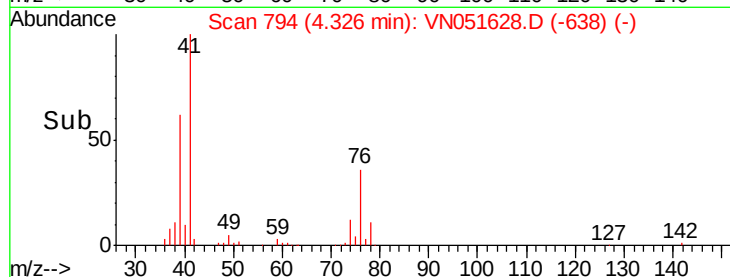
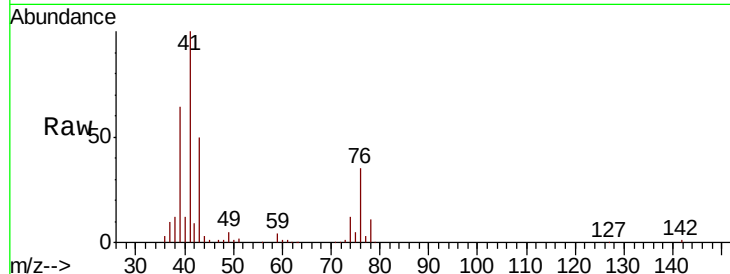
#17
Allvl chloride
Concen: 19.563 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.3	31.9	95.9
76	34.6	18.6	56.0

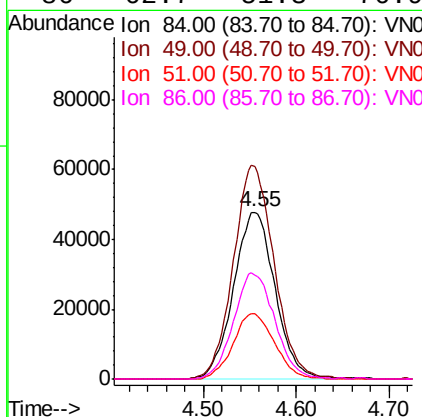
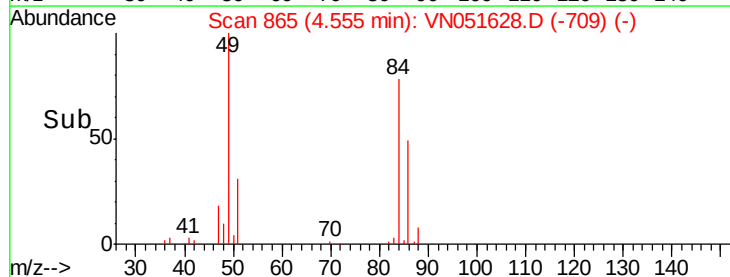
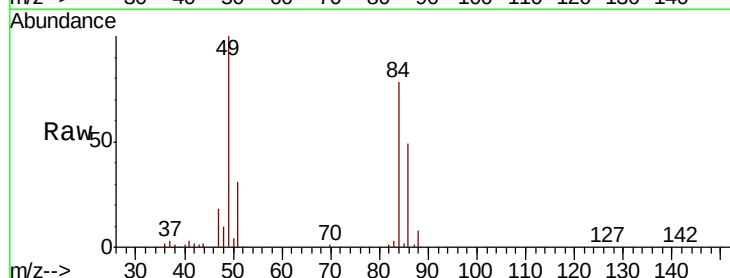
Manual Integrations
APPROVED

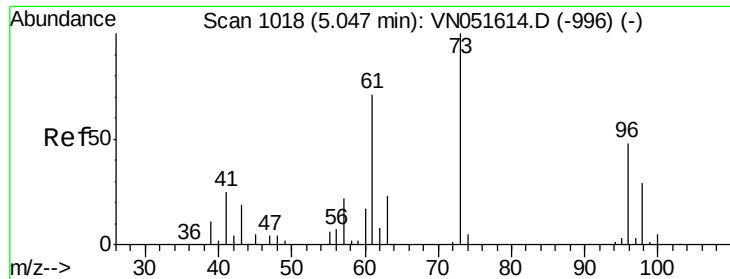
MMDadoda
10/2/2018 3:03:52 PM



#18
Methylene Chloride
Concen: 20.563 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.6	100.9	151.3
51	39.2	32.5	48.7
86	62.7	51.3	76.9





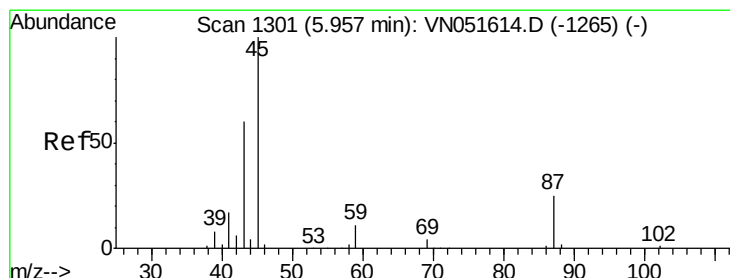
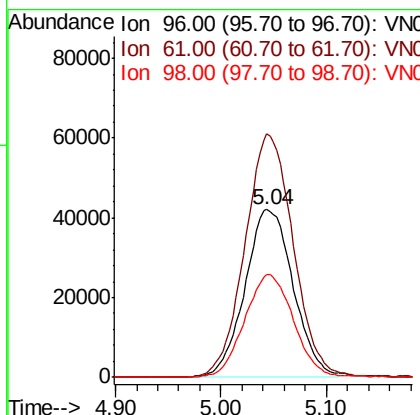
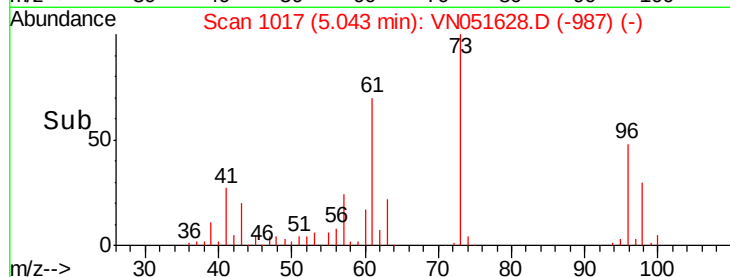
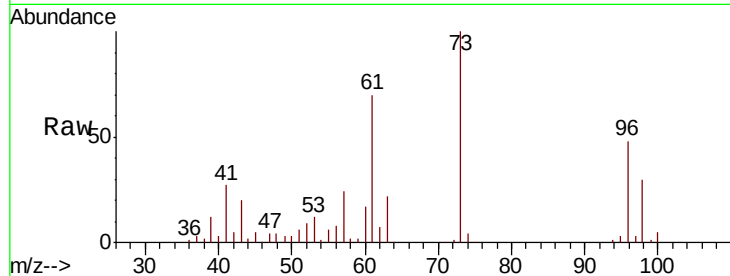
#19
trans-1,2-Dichloroethene
Concen: 20.067 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	145.0	118.0	177.0
98	61.4	49.0	73.4

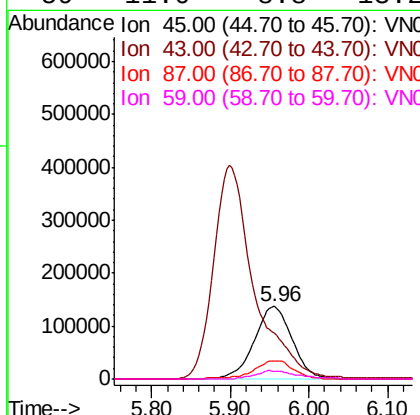
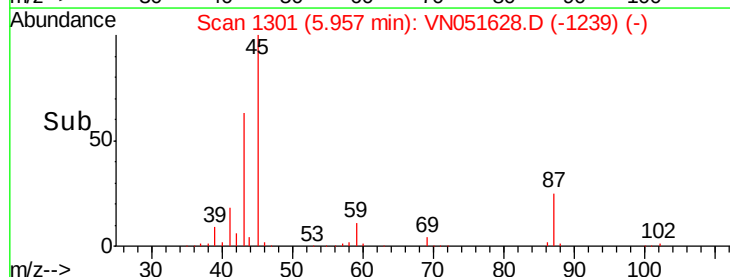
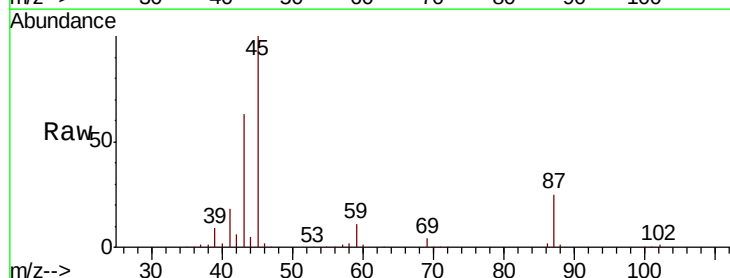
Manual Integrations
APPROVED

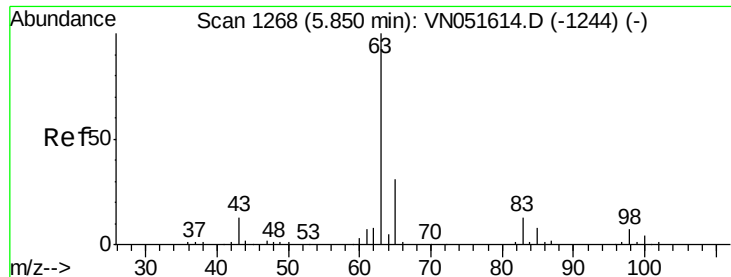
MMDadoda
10/2/2018 3:03:52 PM



#20
Diisopropyl ether
Concen: 20.803 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.2	48.3	72.5
87	24.5	20.8	31.2
59	11.0	8.8	13.2





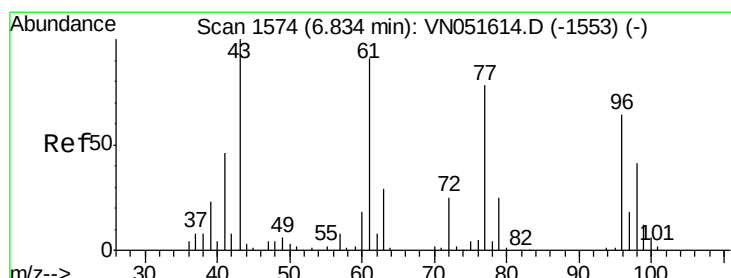
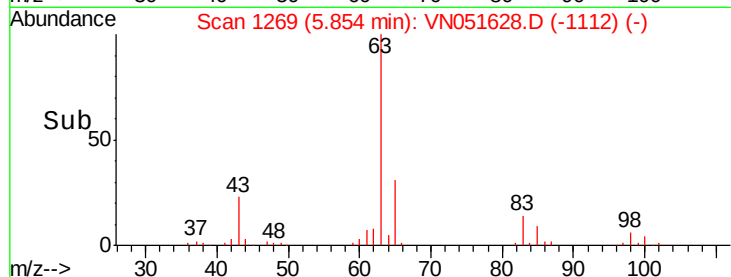
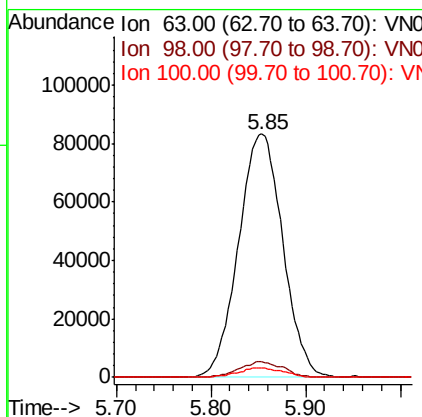
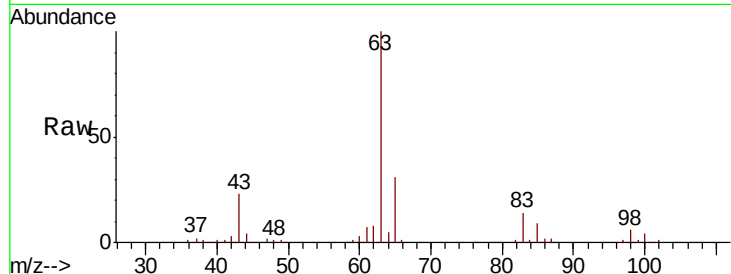
#21
 1,1-Dichloroethane
 Concen: 20.437 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN1001WBS01

Tot Ion:	63	Resp:	270365
Ion Ratio	Lower	Upper	
63	100		
98	6.4	3.3	9.9
100	3.9	2.0	5.8

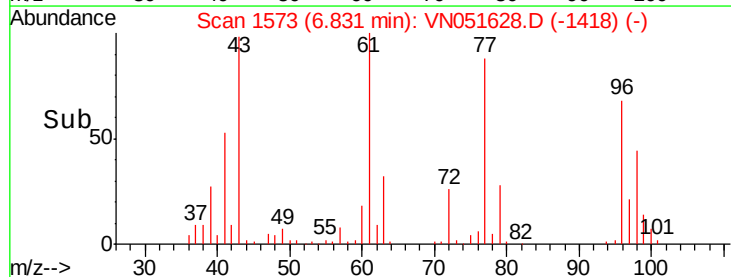
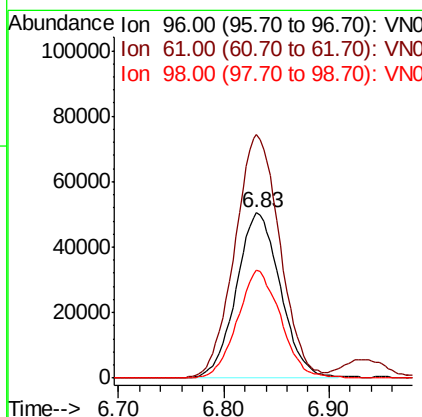
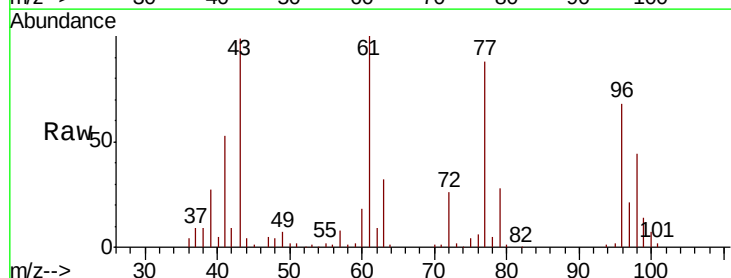
Manual Integrations
 APPROVED

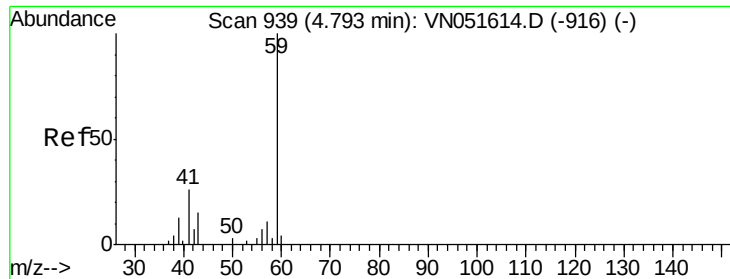
MMDadoda
 10/2/2018 3:03:52 PM



#22
 cis-1,2-Dichloroethene
 Concen: 20.144 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion:	96	Resp:	146887
Ion Ratio	Lower	Upper	
96	100		
61	150.6	120.4	180.6
98	63.5	51.4	77.0





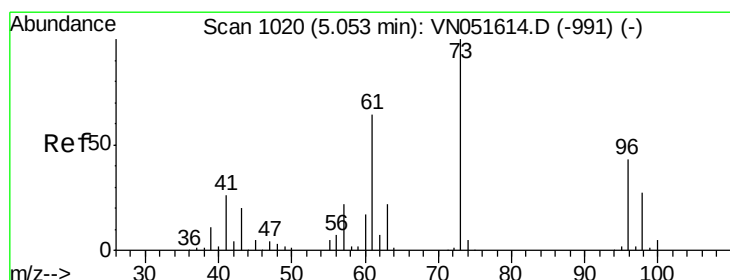
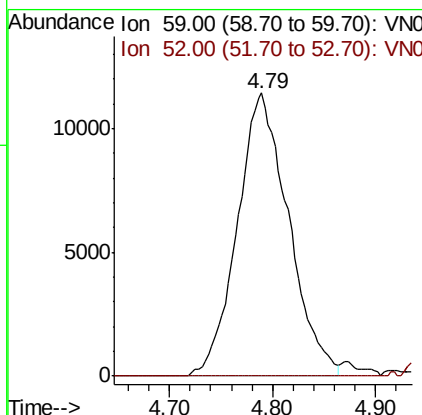
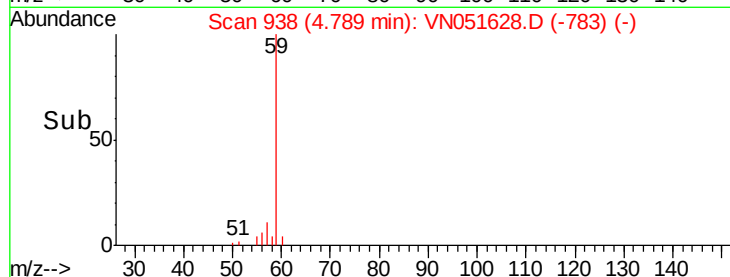
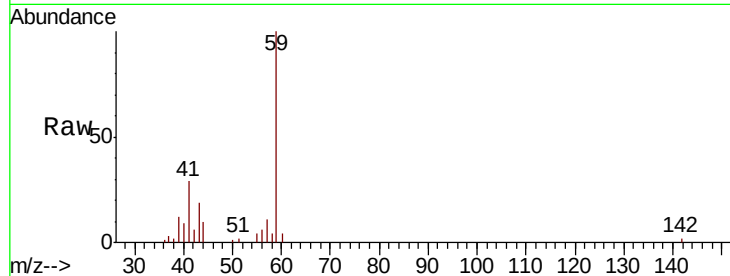
#23
tert-Butyl Alcohol
Concen: 92.894 ug/l
RT: 4.79 min Scan# 938
Delta R.T. -0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

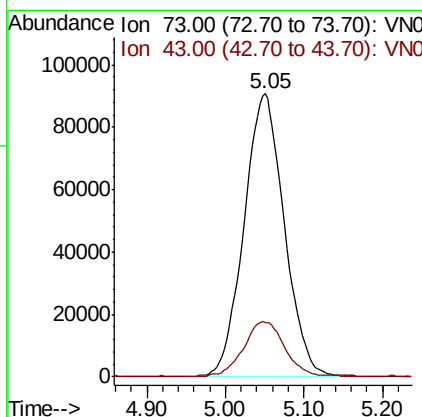
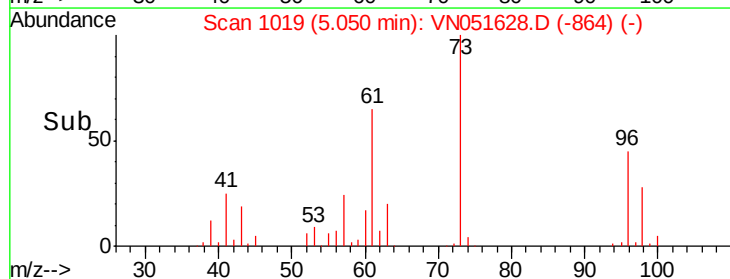
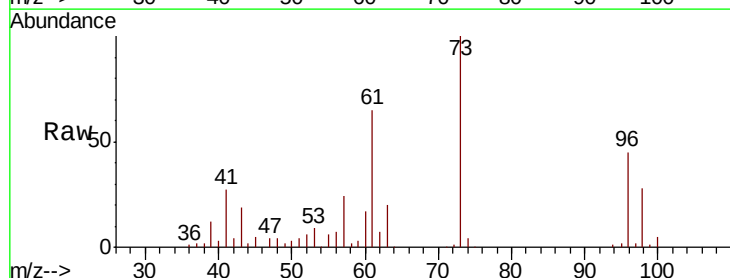
Manual Integrations
APPROVED

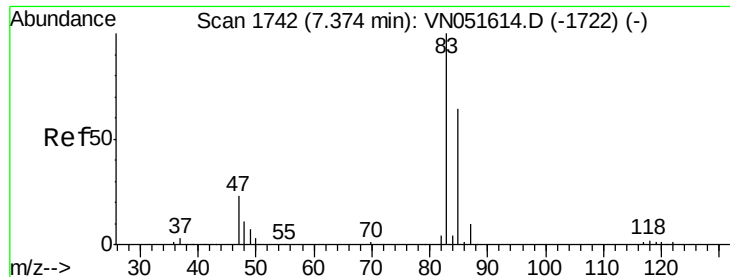
MMDadoda
10/2/2018 3:03:52 PM



#24
Methyl tert-Butyl Ether
Concen: 19.790 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
73	100		
43	20.2	16.1	24.1





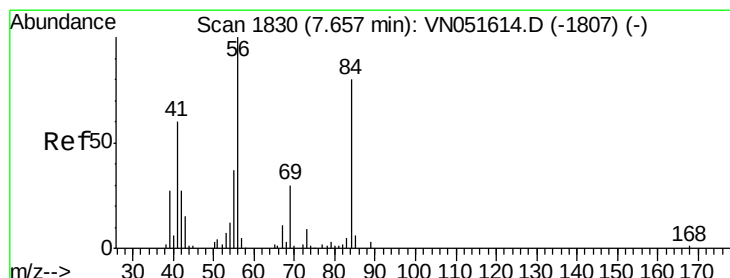
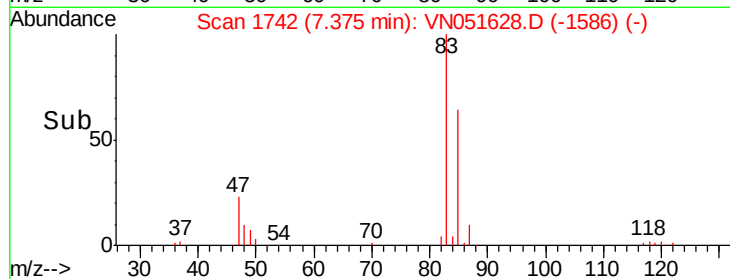
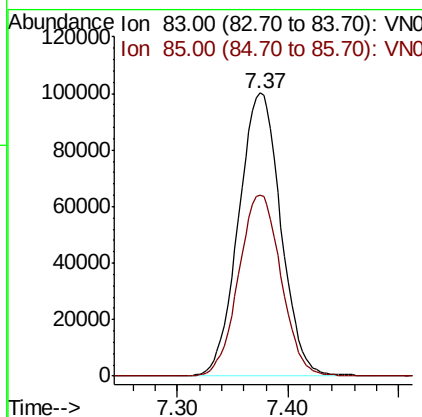
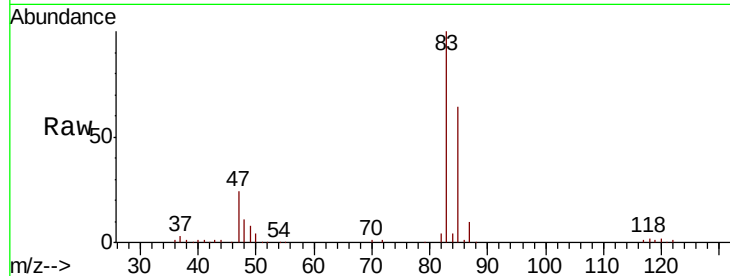
#25
Chloroform
Concen: 20.993 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampled :
VN1001WBS01

Tot Ion	83	Resp	265534
Ion Ratio	100	Lower	Upper
85	63.8	51.4	77.0

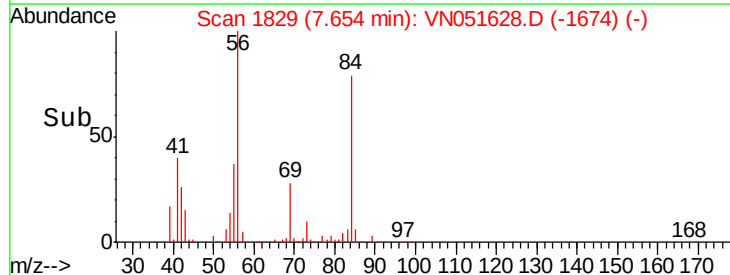
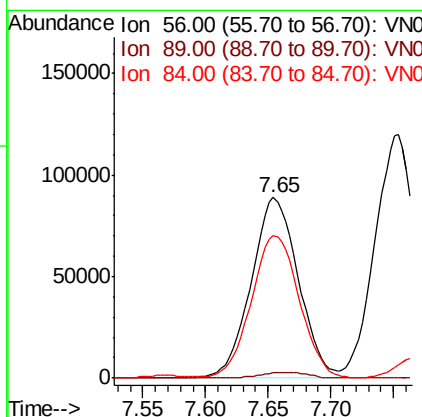
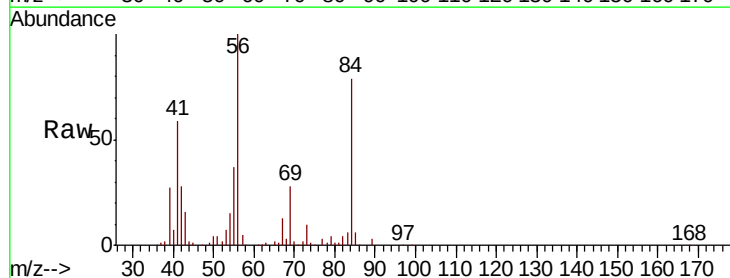
Manual Integrations
APPROVED

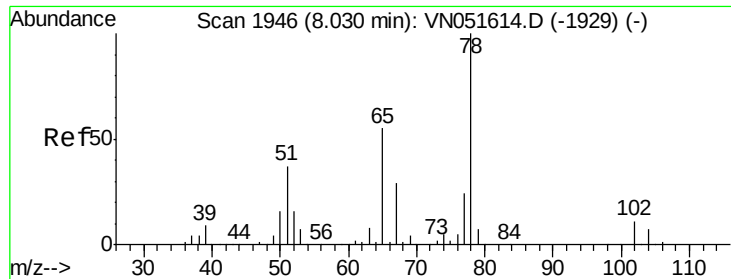
MMDadoda
10/2/2018 3:03:52 PM



#26
Cyclohexane
Concen: 20.310 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	56	Resp	232510
Ion Ratio	100	Lower	Upper
89	3.1	2.2	3.2
84	80.7	65.0	97.4





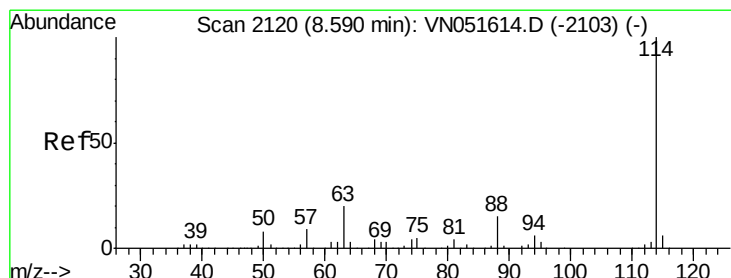
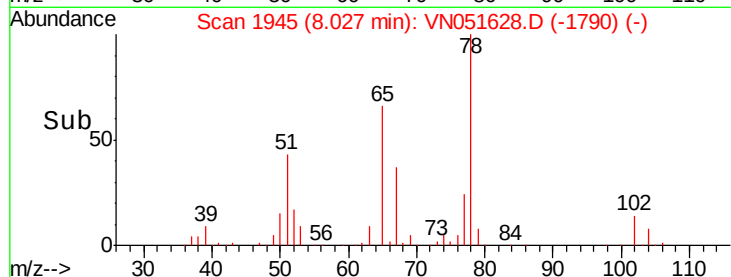
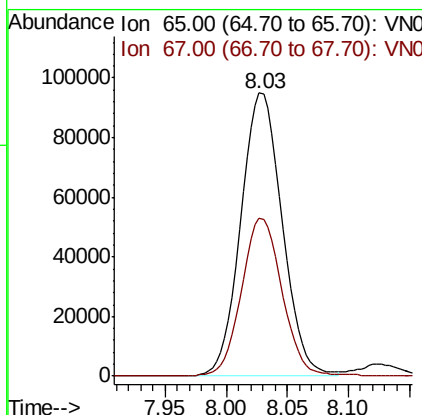
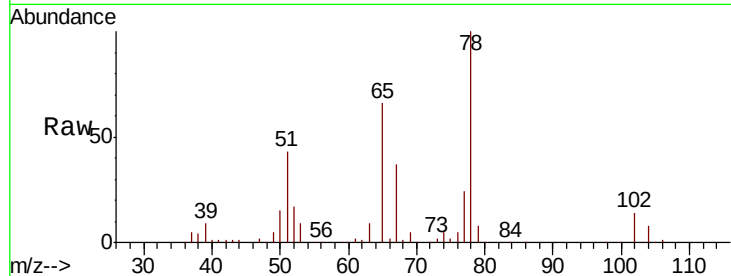
#27
 1,2-Dichloroethane-d4
 Concen: 20.310 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.4	43.1	64.7

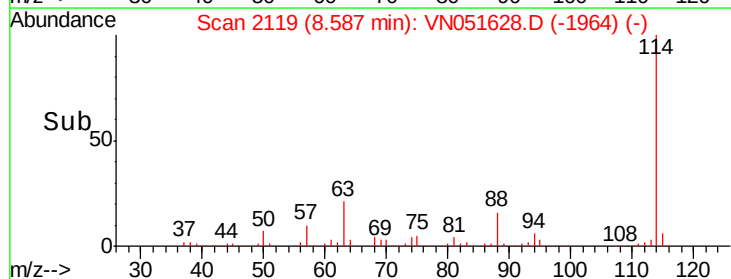
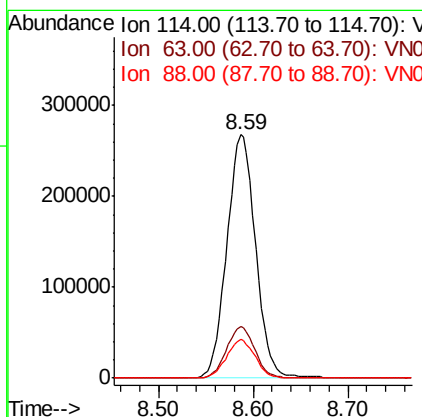
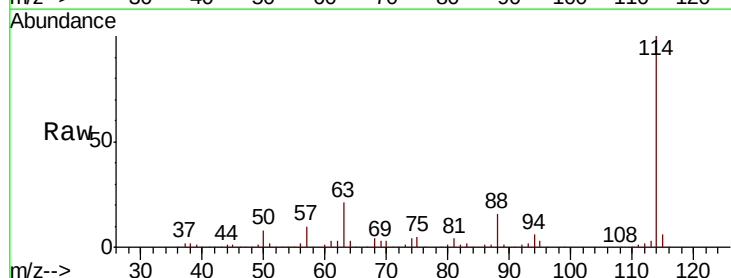
Manual Integrations
 APPROVED

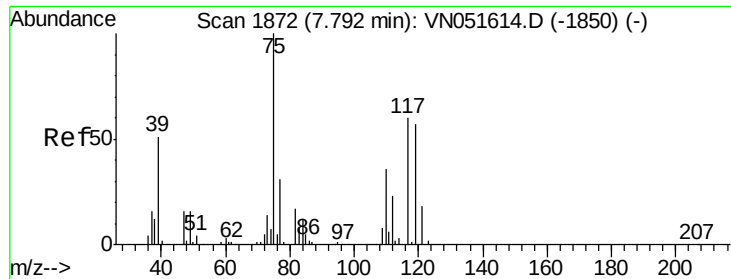
MMDadoda
 10/2/2018 3:03:52 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.7	16.4	24.6
88	15.6	12.6	18.8





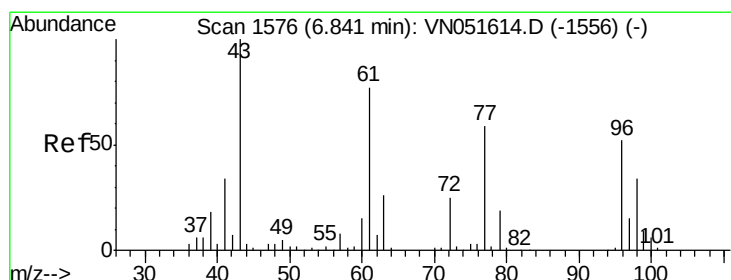
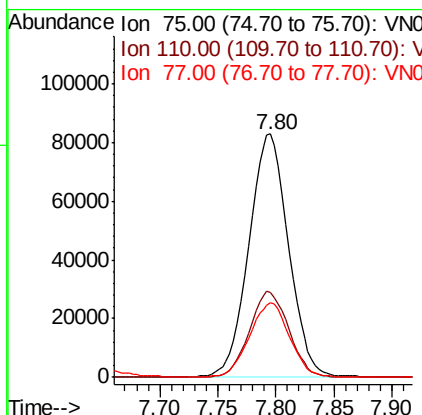
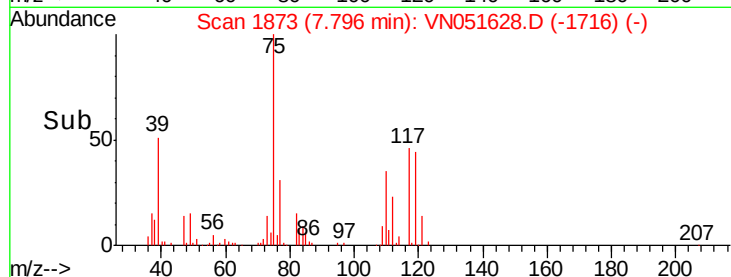
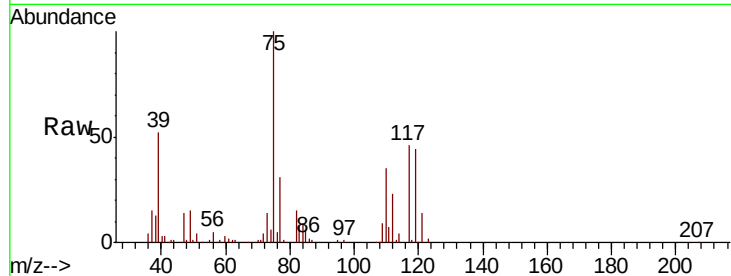
#29
 1,1-Dichloropropene
 Concen: 20.541 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN1001WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	35.0	0.0	71.0
77	31.0	0.0	62.4

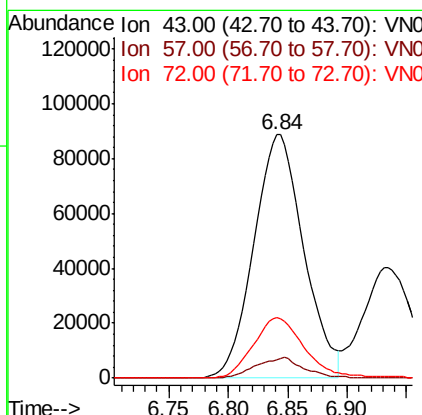
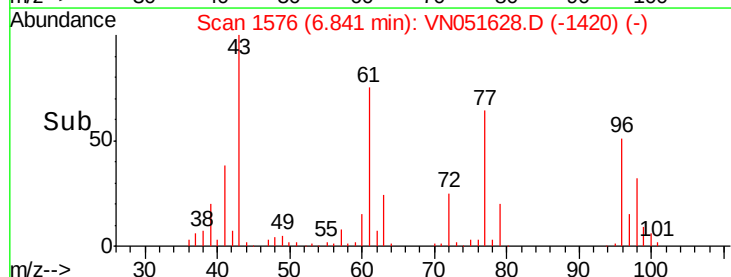
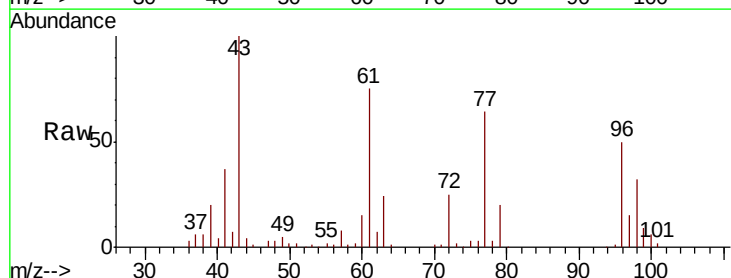
Manual Integrations
 APPROVED

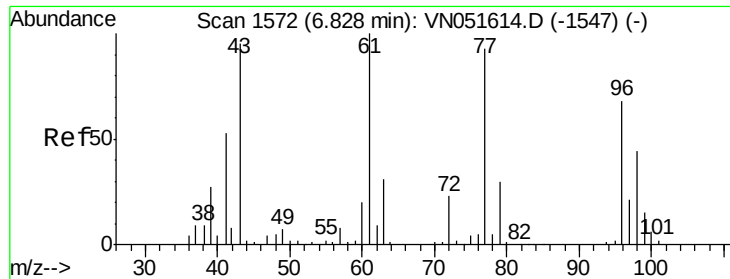
MMDadoda
 10/2/2018 3:03:52 PM



#30
 2-Butanone
 Concen: 97.635 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.3	6.6	10.0
72	25.8	20.8	31.2





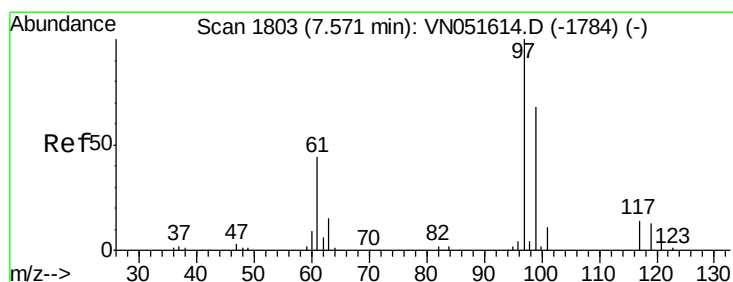
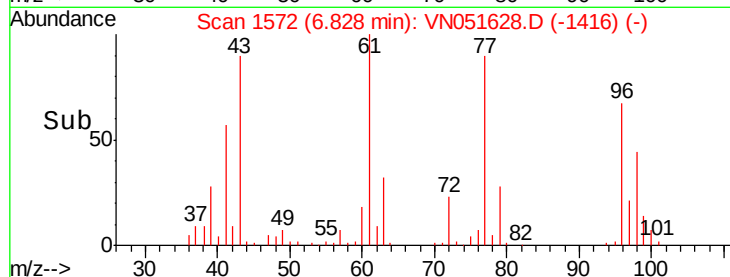
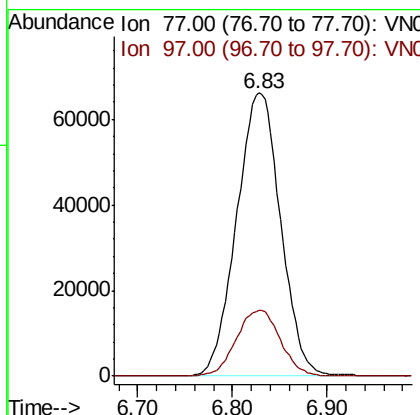
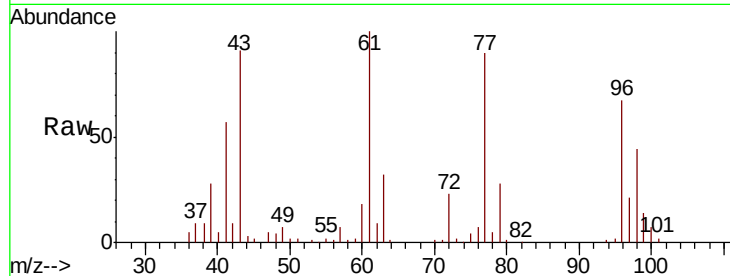
#31
 2,2-Dichloropropane
 Concen: 20.519 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN1001WBS01

Tot Ion: 77 Resp: 213519
 Ion Ratio Lower Upper
 77 100
 97 23.2 18.6 28.0

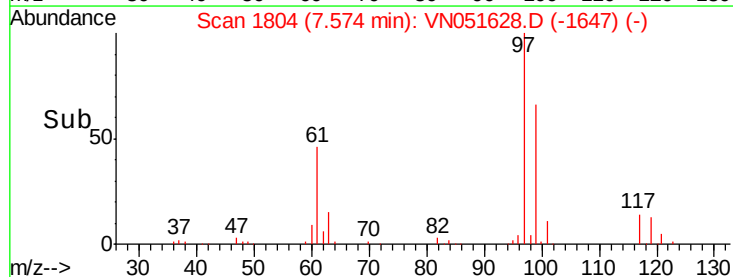
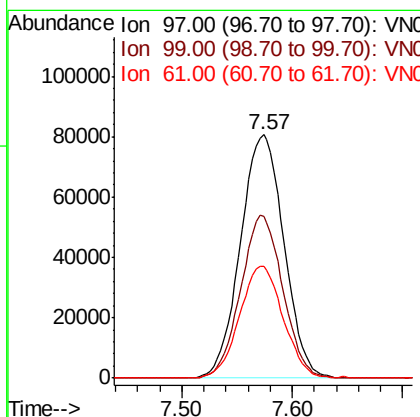
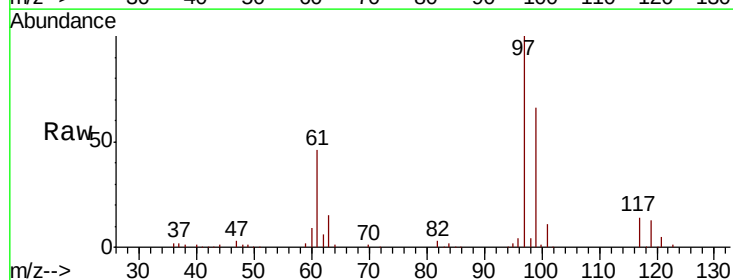
Manual Integrations
 APPROVED

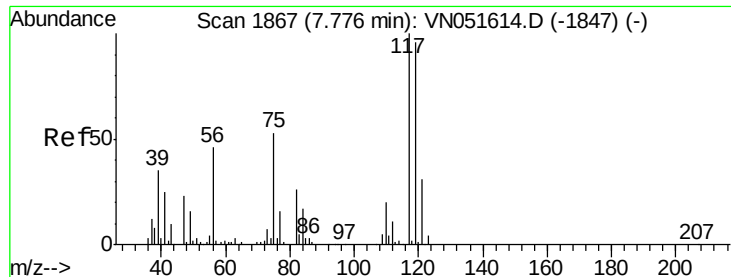
MMDadoda
 10/2/2018 3:03:52 PM



#32
 1,1,1-Trichloroethane
 Concen: 20.335 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion: 97 Resp: 220292
 Ion Ratio Lower Upper
 97 100
 99 64.7 52.2 78.4
 61 46.2 36.2 54.4





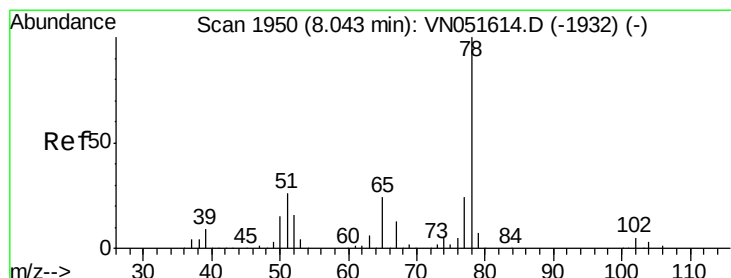
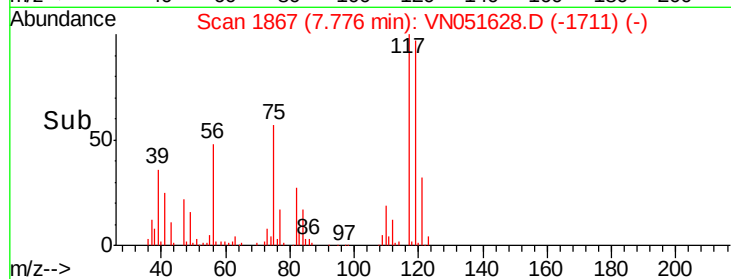
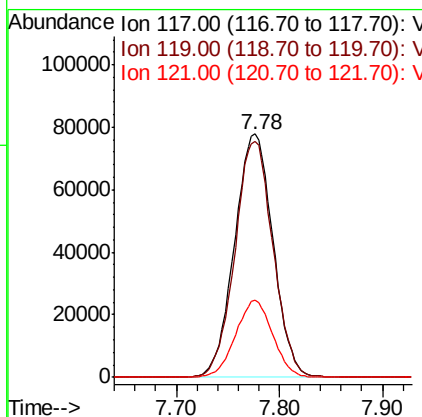
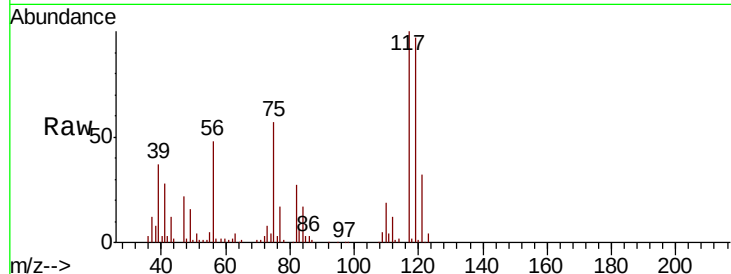
#33
Carbon Tetrachloride
Concen: 20.752 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampled :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.5	114.7
121	31.9	25.0	37.6

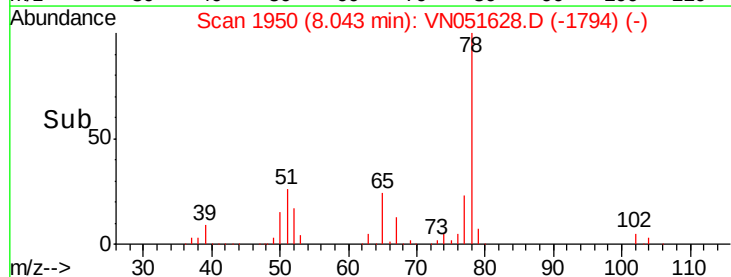
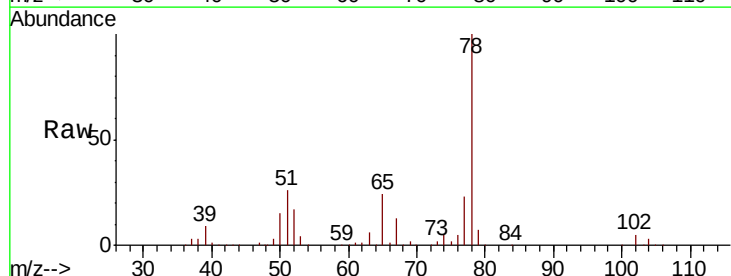
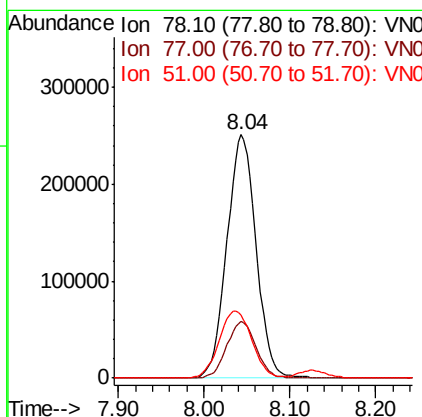
Manual Integrations
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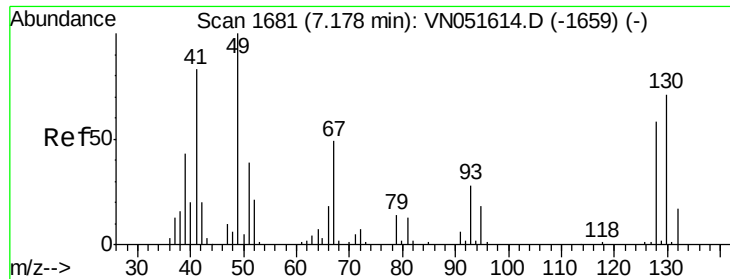
MMDadoda
10/2/2018 3:03:52 PM



#34
Benzene
Concen: 20.704 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.3	28.9
51	25.7	20.8	31.2





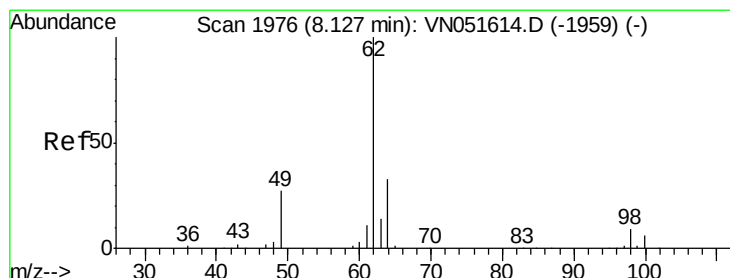
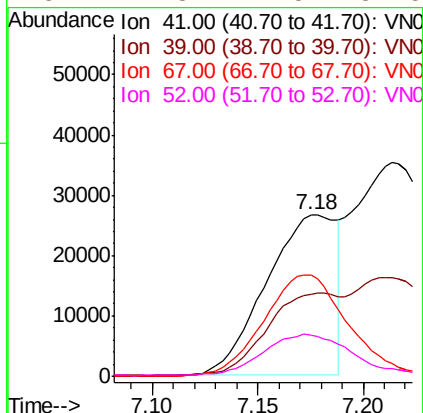
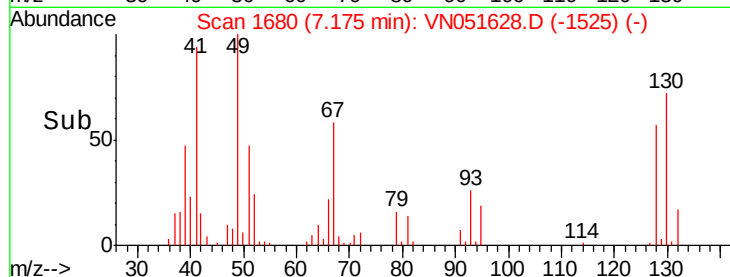
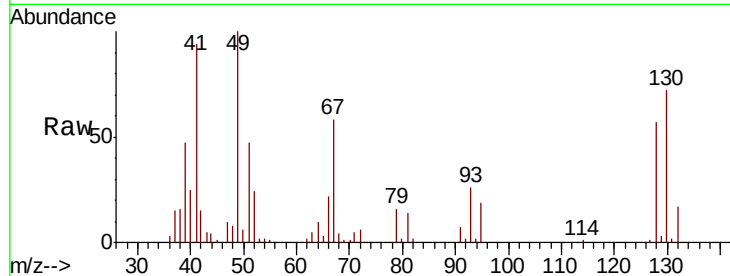
#35
Methacrylonitrile
Concen: 20.752 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.0	25.6	76.8	
67	62.1	29.4	88.2	
52	24.8	12.5	37.5	

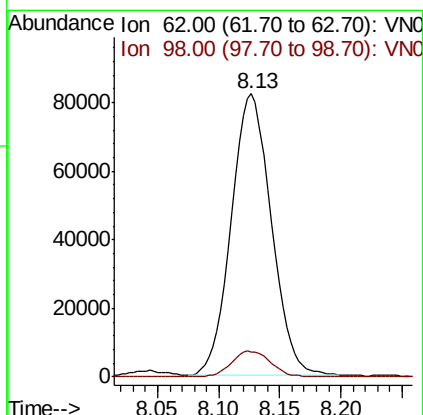
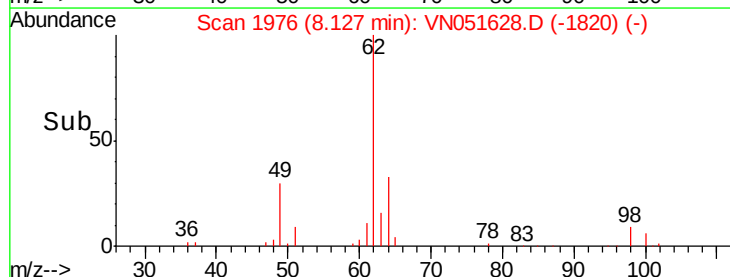
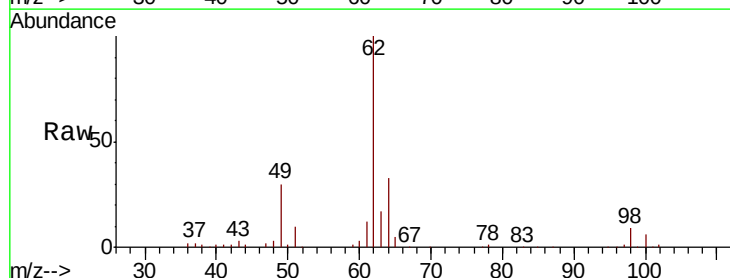
Manual Integrations
APPROVED

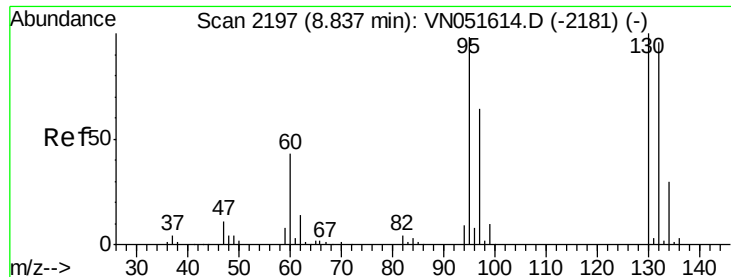
MMDadoda
10/2/2018 3:03:52 PM



#36
1,2-Dichloroethane
Concen: 20.488 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.1	7.4	11.2	





#37

Trichloroethene

Concen: 20.348 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampled :

VN1001WBS01

Tot Ion:130 Resp: 149439

Ion Ratio Lower Upper

130 100

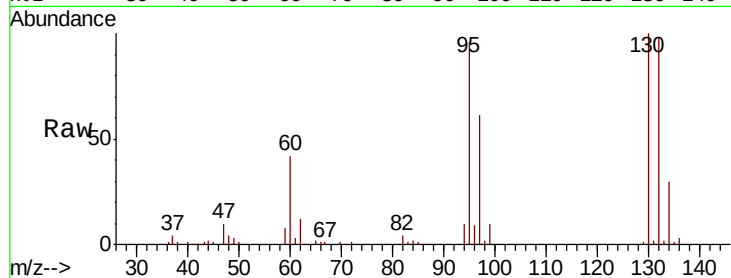
95 95.4 78.4 117.6

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

80000

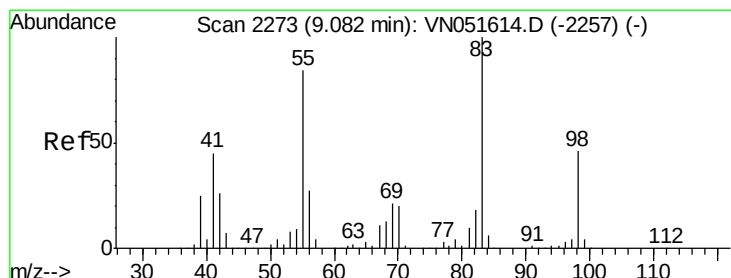
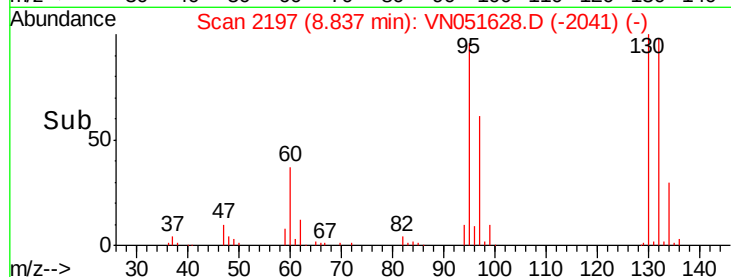
60000

40000

20000

0

Time-->



#38

Methylcyclohexane

Concen: 19.478 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

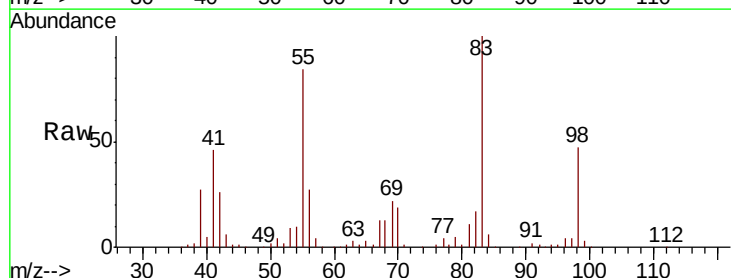
Tgt Ion: 83 Resp: 216712

Ion Ratio Lower Upper

83 100

55 82.5 41.6 124.9

98 46.1 23.1 69.2



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

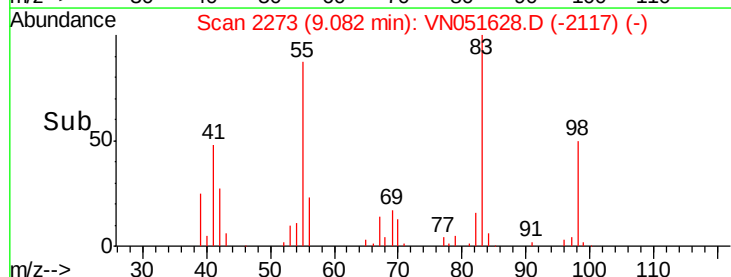
Ion 98.00 (97.70 to 98.70): VN

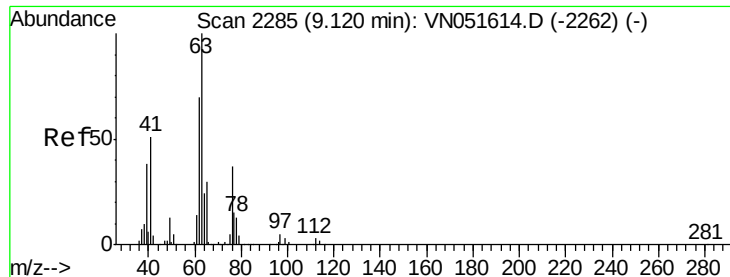
100000

50000

0

Time-->





#39

1,2-Dichloropropane

Concen: 21.006 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampled :

VN1001WBS01

Tot Ion: 63 Resp: 164649

Ion Ratio Lower Upper

63 100

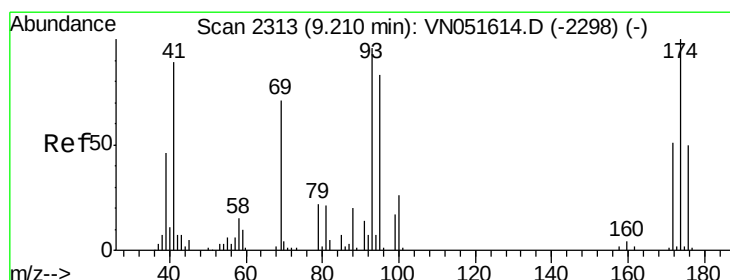
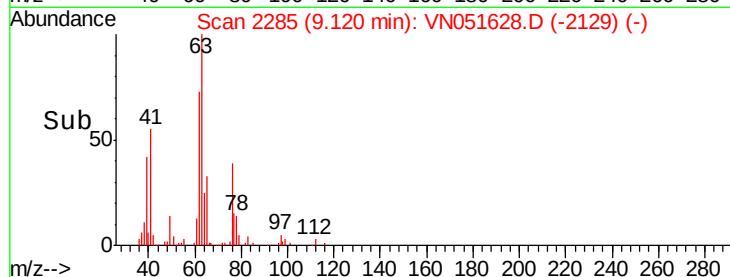
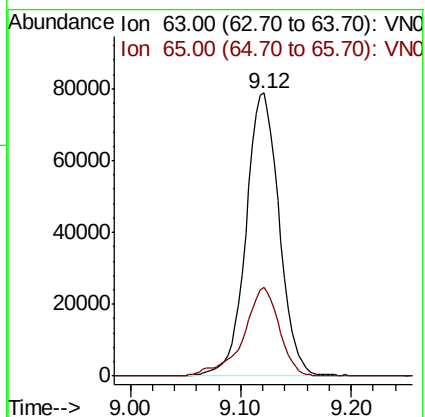
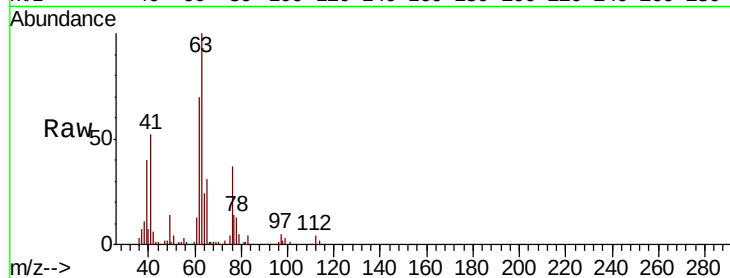
65 31.4 24.4 36.6

Manual Integrations

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10/2/2018 3:03:52 PM



#40

Dibromomethane

Concen: 20.317 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

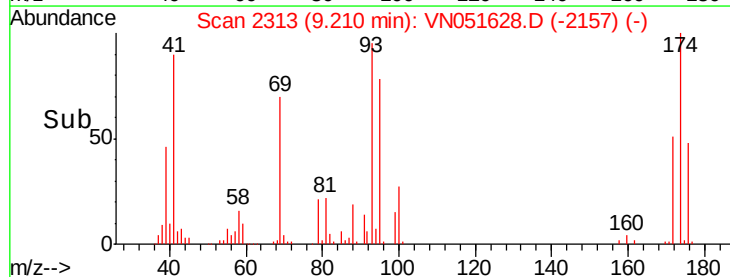
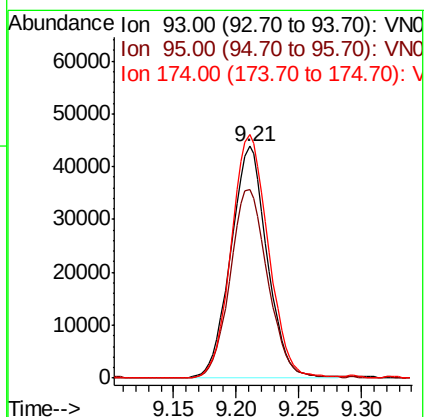
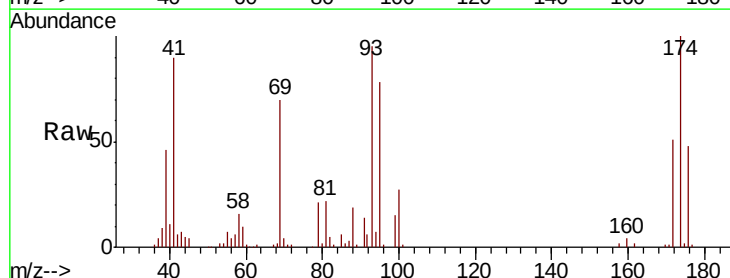
Tgt Ion: 93 Resp: 88461

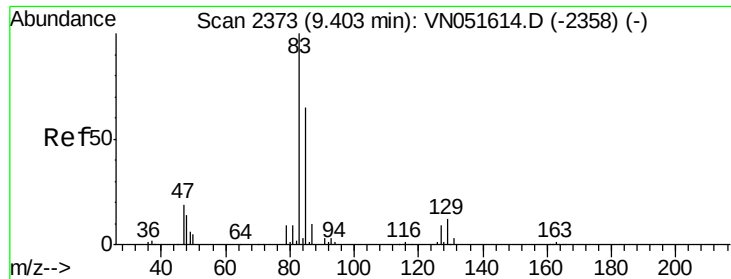
Ion Ratio Lower Upper

93 100

95 83.8 0.0 171.0

174 107.3 0.0 212.0





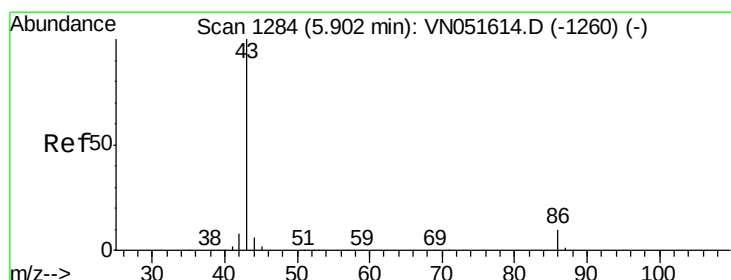
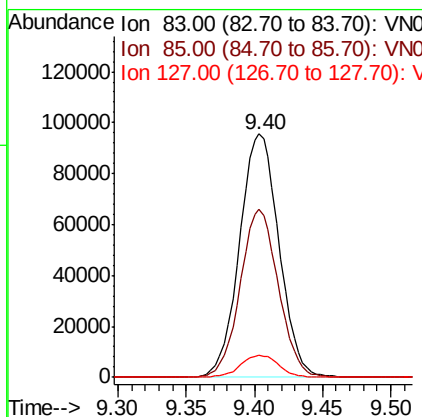
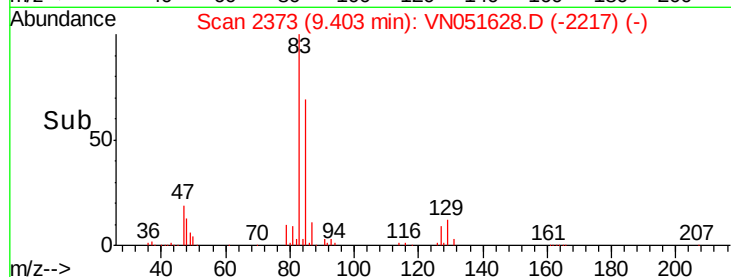
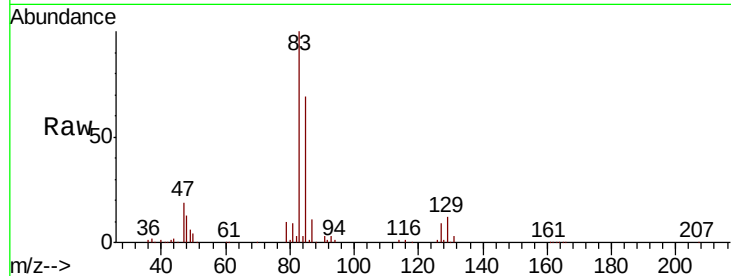
#41
Bromodichloromethane
Concen: 20.187 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	83	Resp	191862
Ion Ratio	100	Lower	Upper
83	100		
85	68.8	52.1	78.1
127	8.9	7.1	10.7

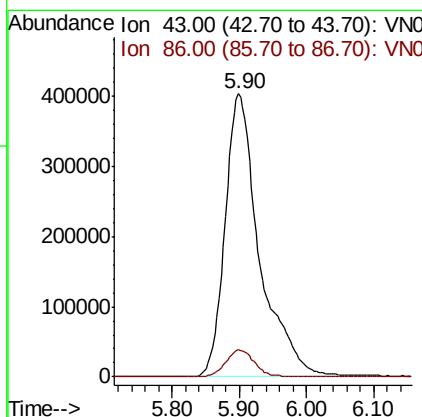
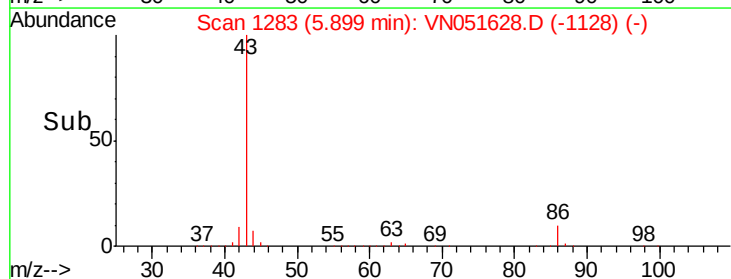
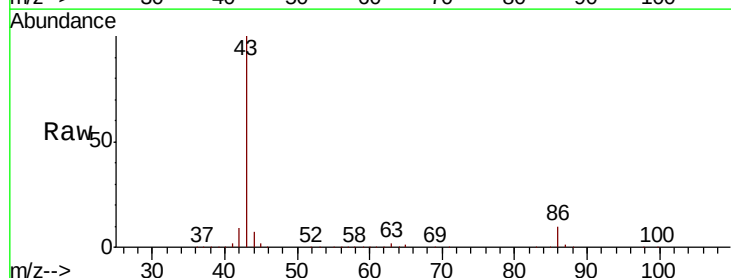
Manual Integrations
APPROVED

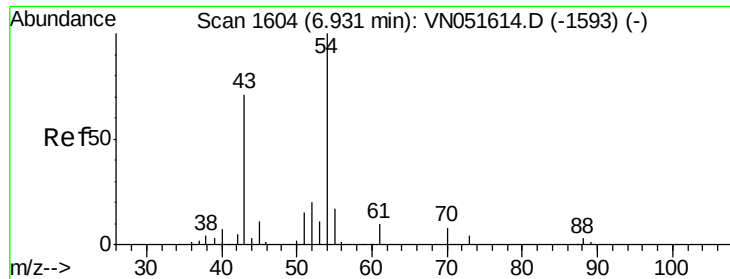
MMDadoda
10/2/2018 3:03:52 PM



#42
Vinyl Acetate
Concen: 98.182 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	43	Resp	1434343
Ion Ratio	100	Lower	Upper
43	100		
86	8.0	6.6	9.8





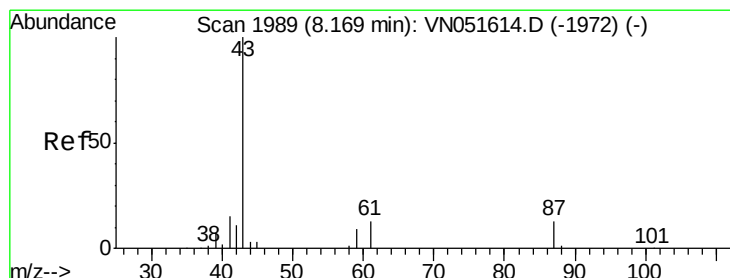
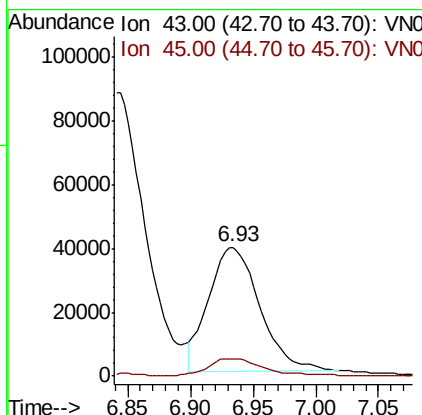
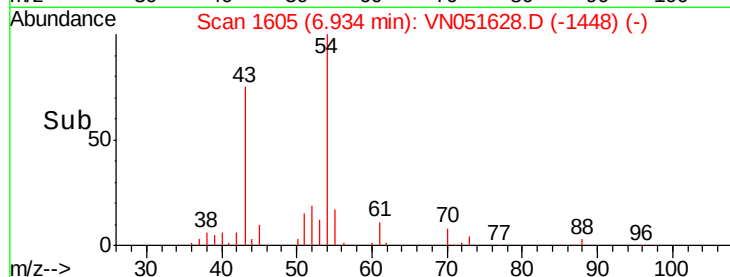
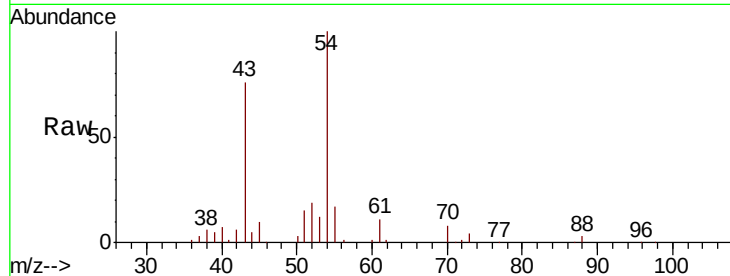
#43
Ethyl Acetate
Concen: 19.818 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion: 43 Resp: 110081
Ion Ratio Lower Upper
43 100
45 5.6 10.6 16.0#

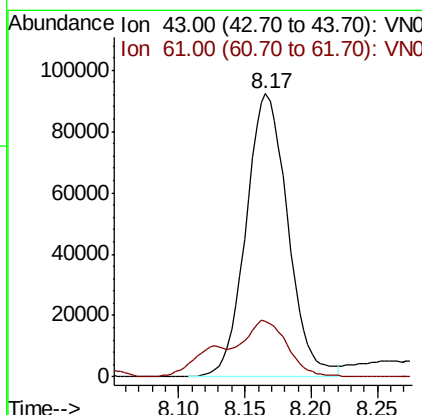
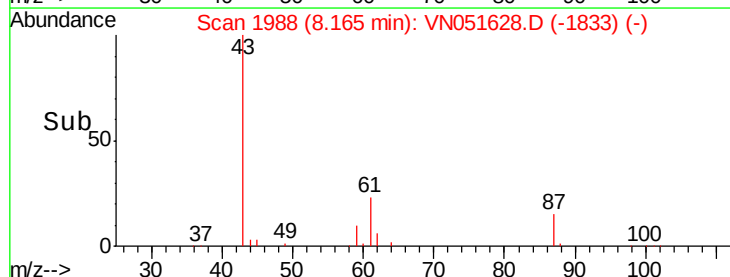
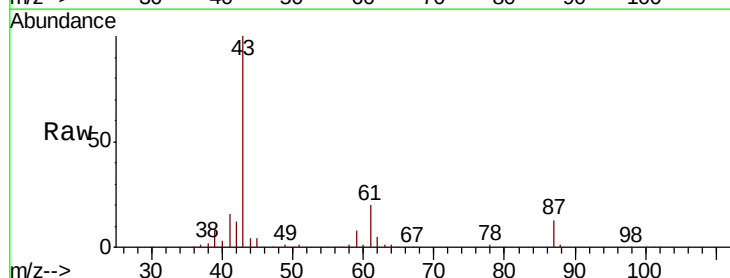
Manual Integrations
APPROVED

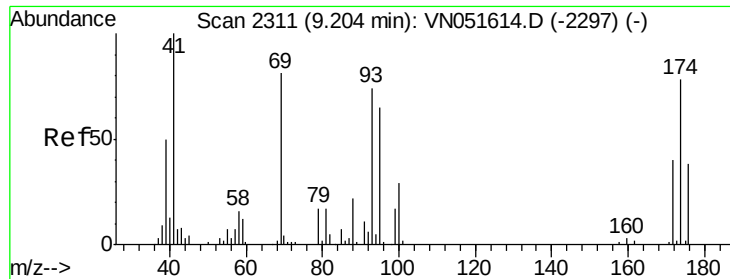
MMDadoda
10/2/2018 3:03:52 PM



#44
Isopropyl Acetate
Concen: 18.577 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion: 43 Resp: 202044
Ion Ratio Lower Upper
43 100
61 18.8 15.4 23.0





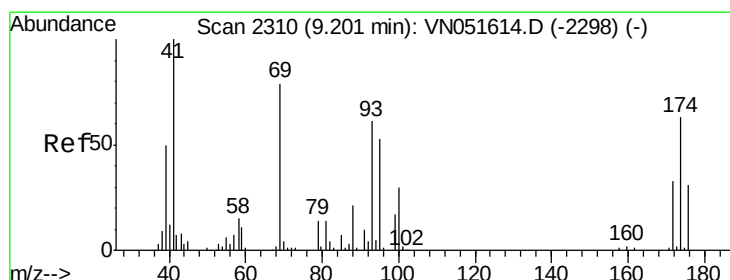
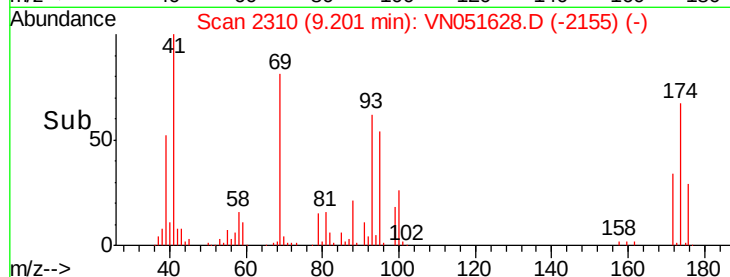
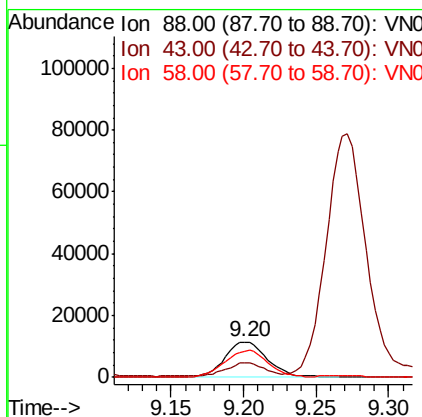
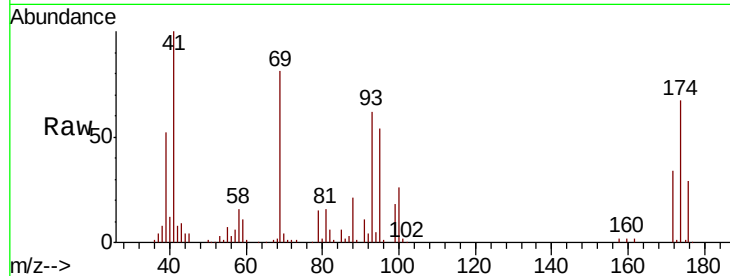
#45
 1,4-Dioxane
 Concen: 397.281 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN1001WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	29.0	43.6
58	77.4	59.0	88.6

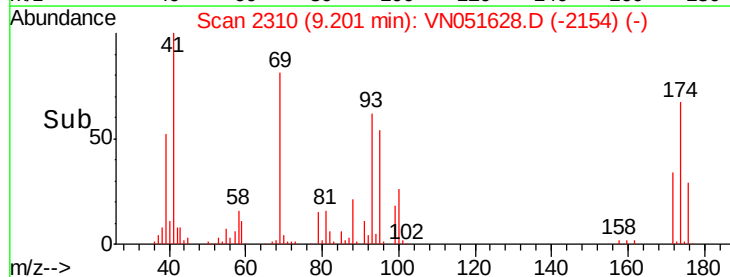
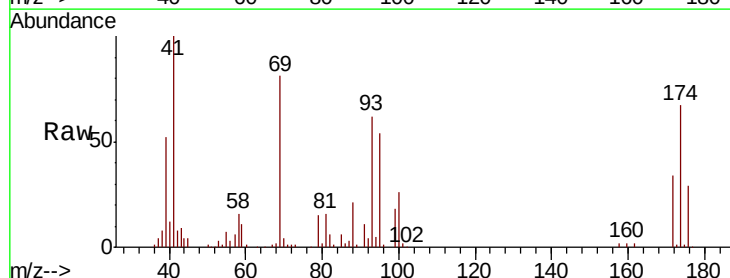
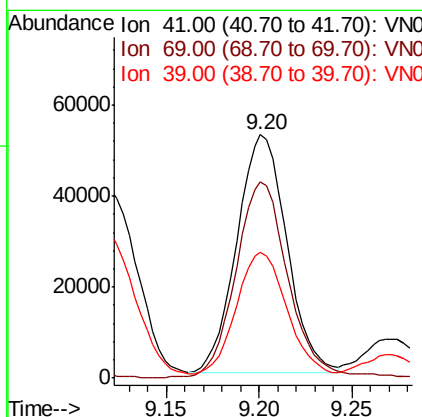
Manual Integrations
 APPROVED

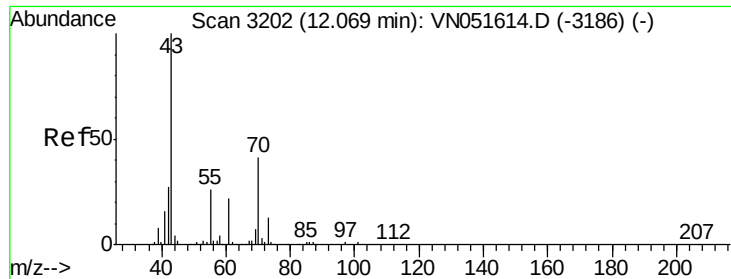
MMDadoda
 10/2/2018 3:03:52 PM



#46
 Methyl methacrylate
 Concen: 19.317 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.9	39.6	118.7
39	51.3	24.9	74.6





#47

n-amvl Acetate

Concen: 17.949 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

Tot Ion: 43 Resp: 146059

Ion Ratio Lower Upper

43 100

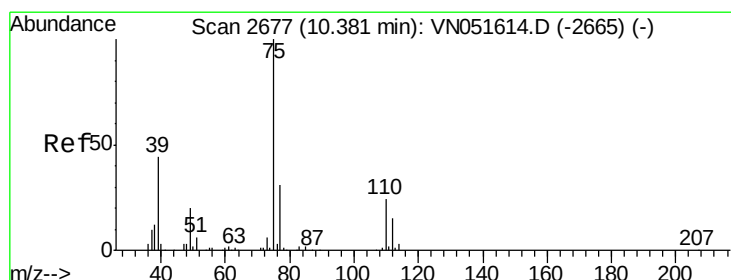
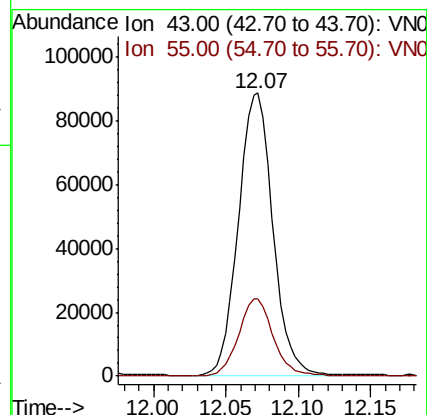
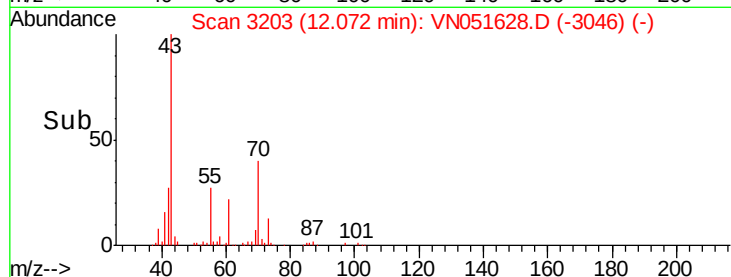
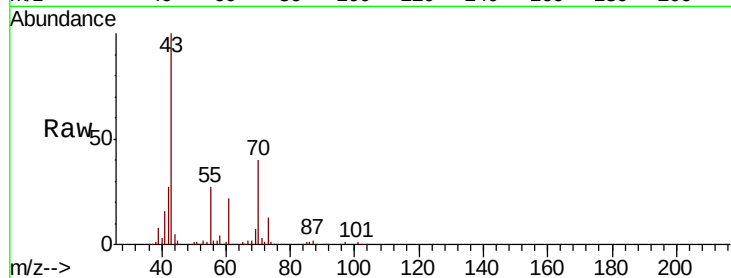
55 27.6 21.5 32.3

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 19.305 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN051628.D

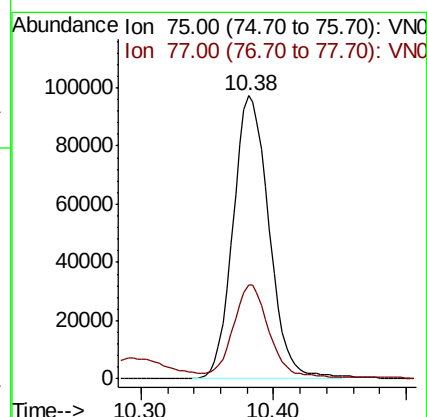
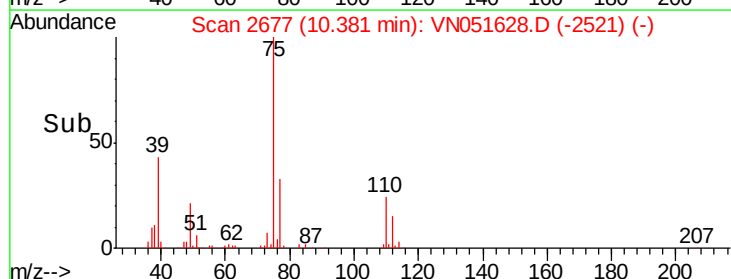
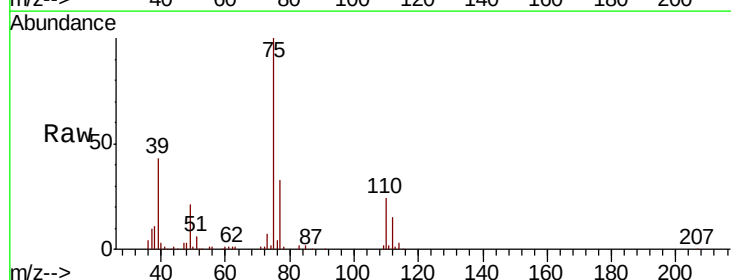
Acq: 1 Oct 2018 11:12

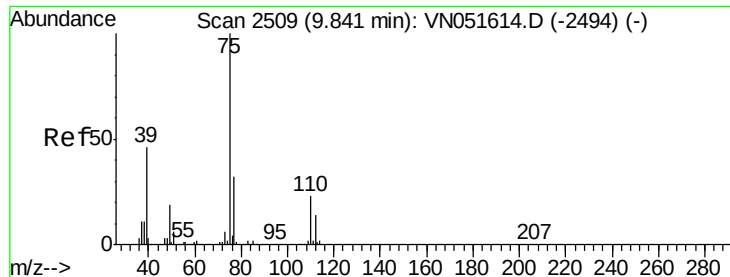
Tgt Ion: 75 Resp: 183125

Ion Ratio Lower Upper

75 100

77 32.2 26.0 39.0





#49

cis-1,3-Dichloropropene

Concen: 19.919 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

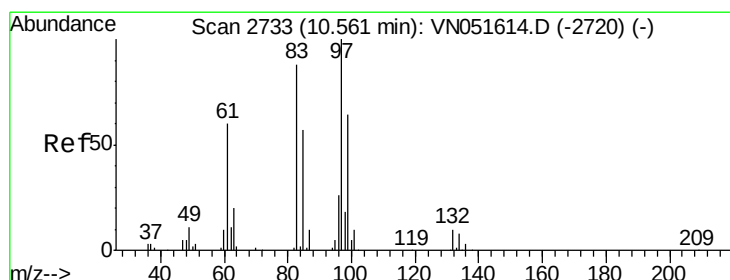
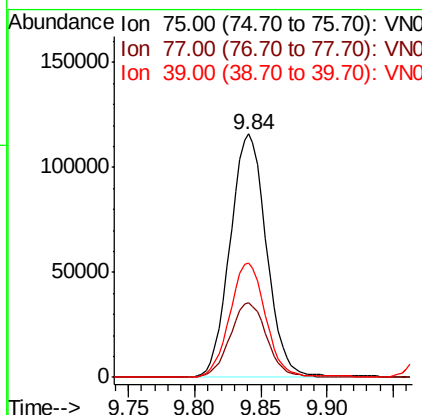
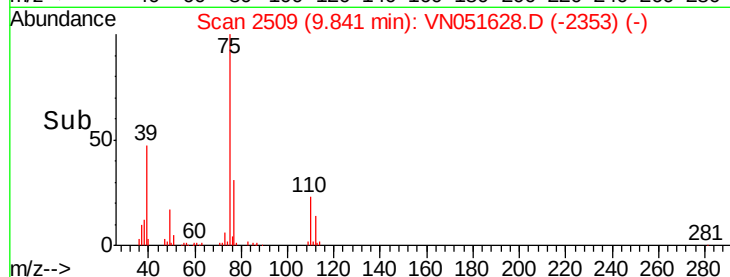
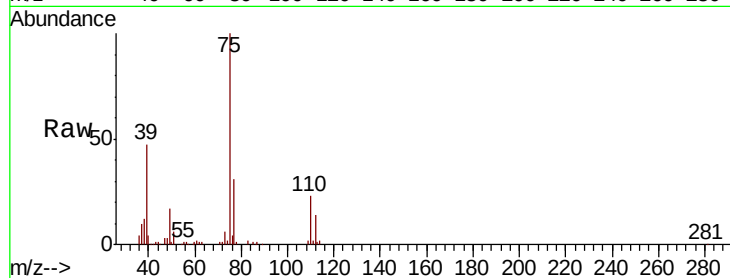
ClientSampleId :

VN1001WBS01

Tot Ion:	75	Resp:	220907
Ion Ratio	Lower	Upper	
75	100		
77	30.5	25.4	38.0
39	47.0	36.6	55.0

Manual Integrations
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#50

1,1,2-Trichloroethane

Concen: 20.534 ug/l

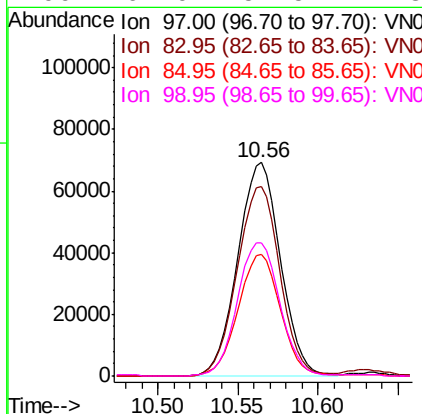
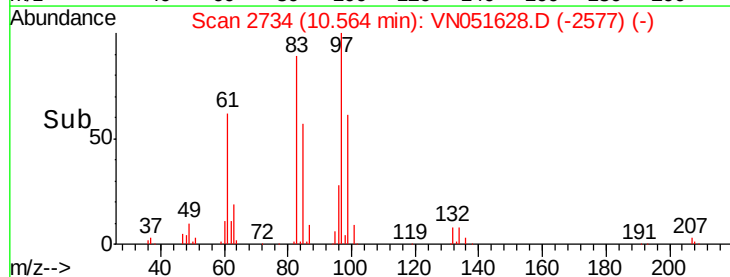
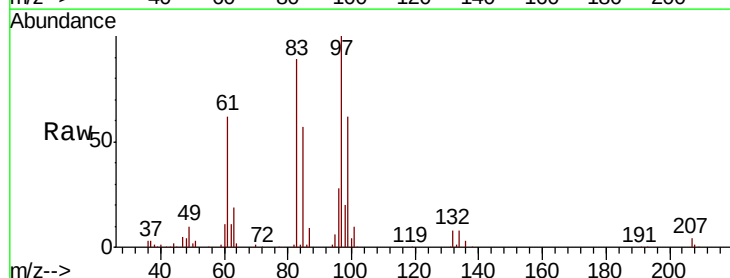
RT: 10.56 min Scan# 2734

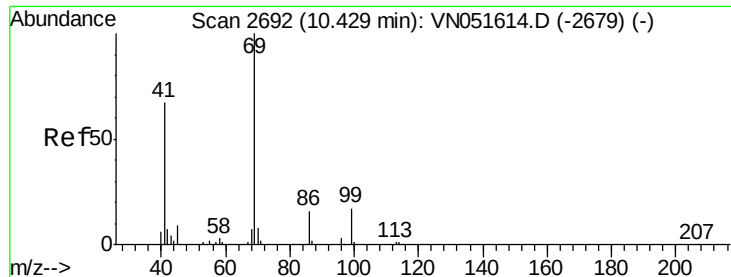
Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Tgt Ion:	97	Resp:	126353
Ion Ratio	Lower	Upper	
97	100		
83	88.9	70.2	105.2
85	57.1	45.6	68.4
99	62.0	51.5	77.3





#51

Ethyl methacrylate

Concen: 18.457 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

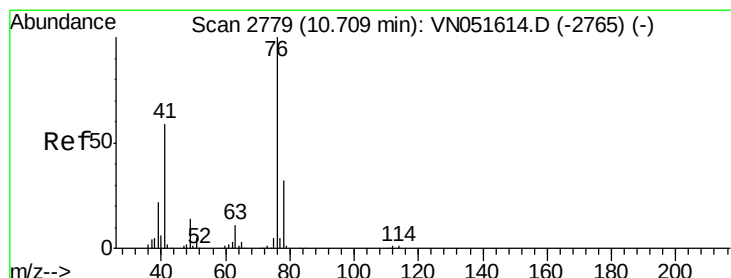
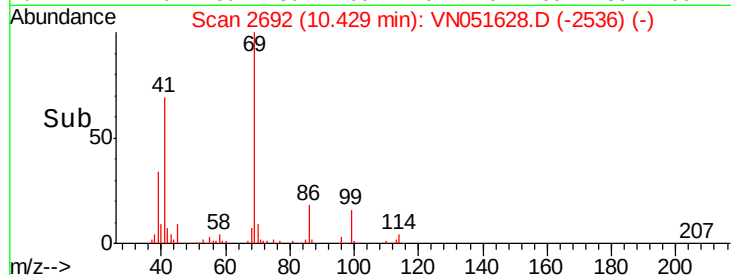
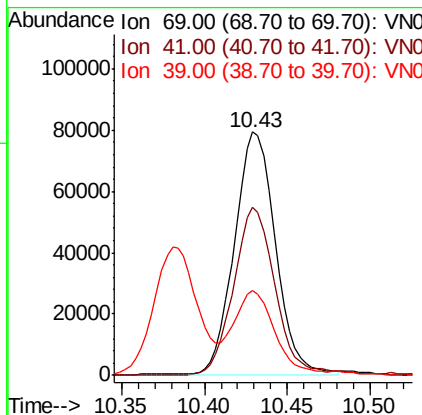
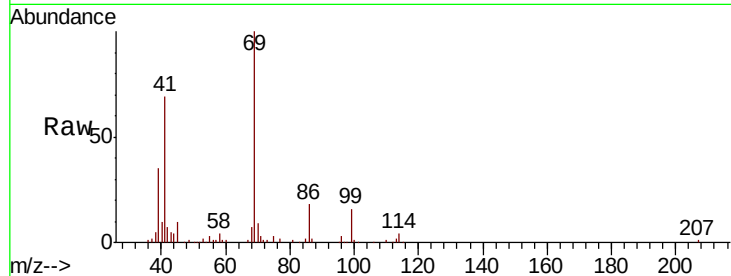
ClientSampleId :

VN1001WBS01

Tot Ion:	69	Resp:	137797
Ion	Ratio	Lower	Upper
69	100		
41	68.7	33.3	99.8
39	33.0	17.2	51.6

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.087 ug/l

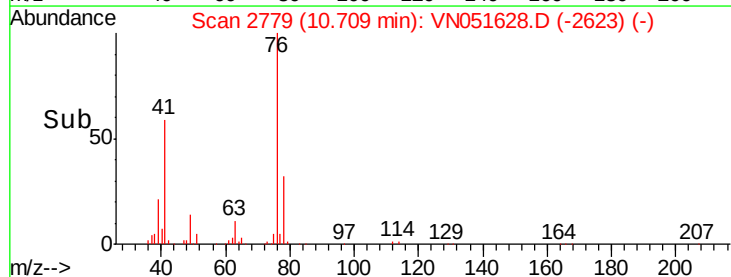
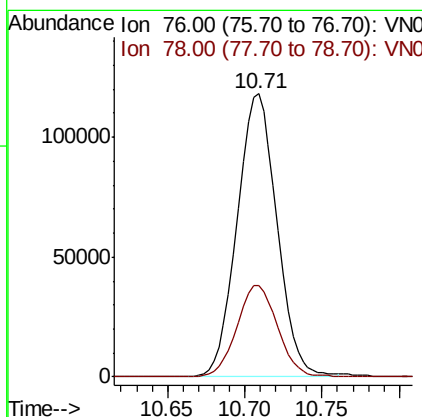
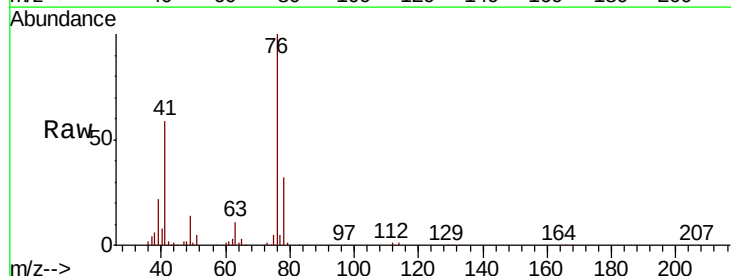
RT: 10.71 min Scan# 2779

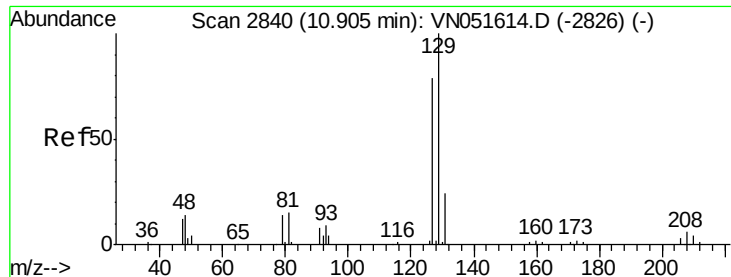
Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Tgt Ion:	76	Resp:	211926
Ion	Ratio	Lower	Upper
76	100		
78	32.9	0.0	63.4





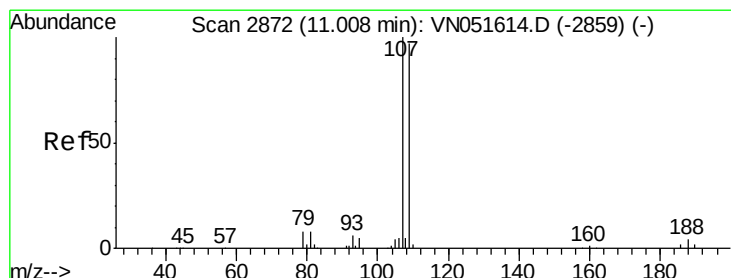
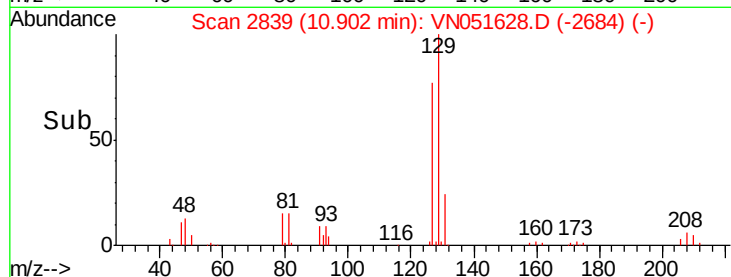
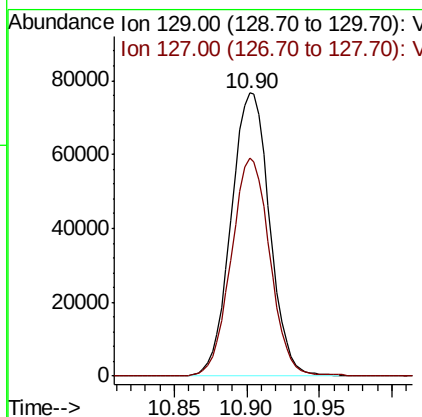
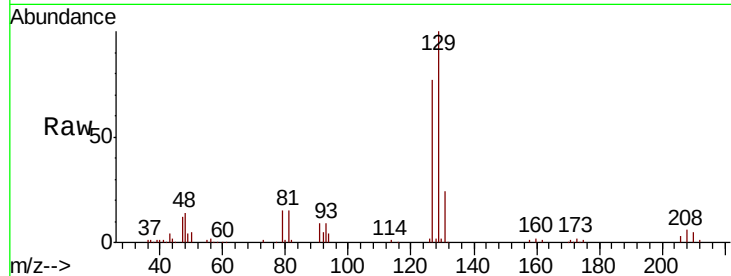
#53
 Dibromochloromethane
 Concen: 20.212 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		141647		
127	77.3		38.9	116.7	

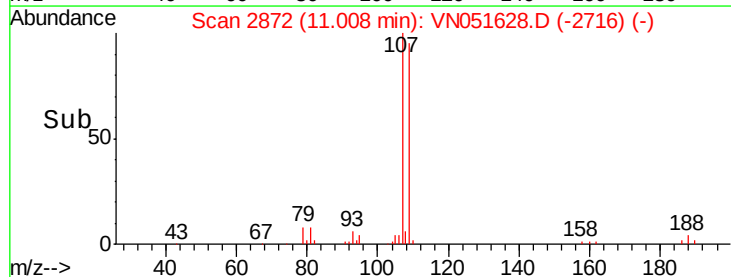
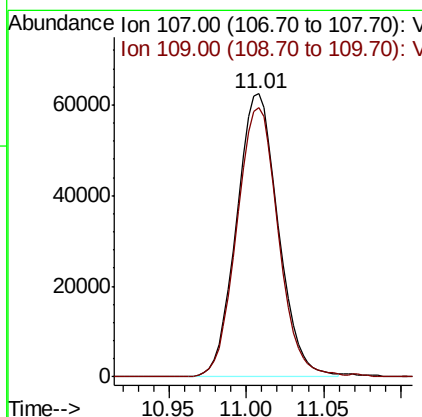
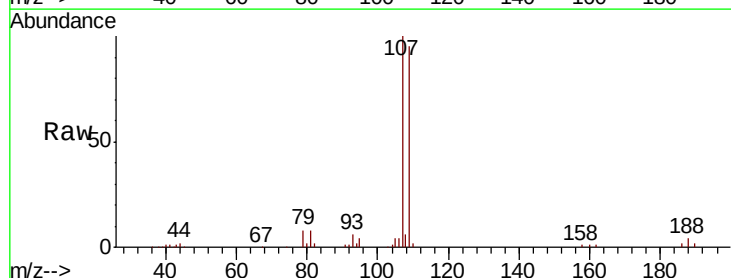
Manual Integrations
 APPROVED

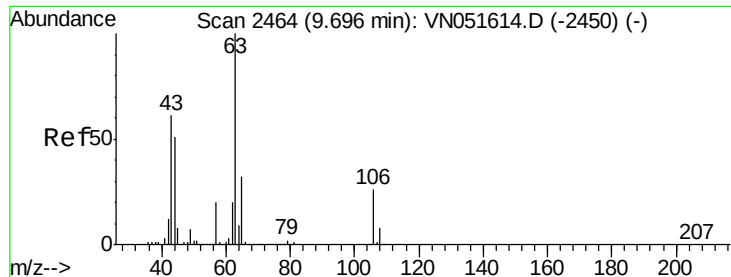
MMDadoda
 10/2/2018 3:03:52 PM



#54
 1,2-Dibromoethane
 Concen: 19.887 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		117417		
109	94.8		76.5	114.7	





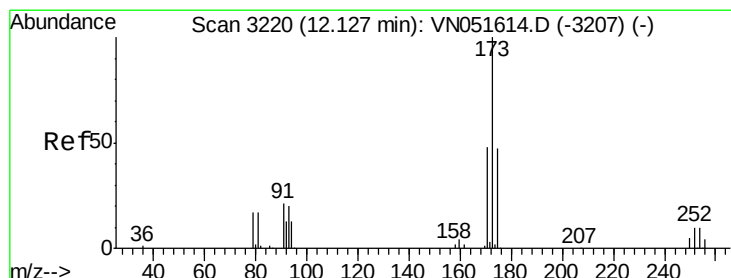
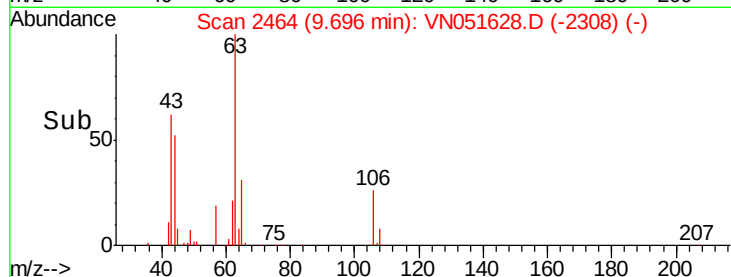
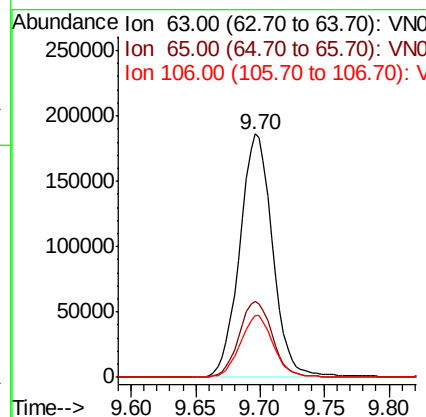
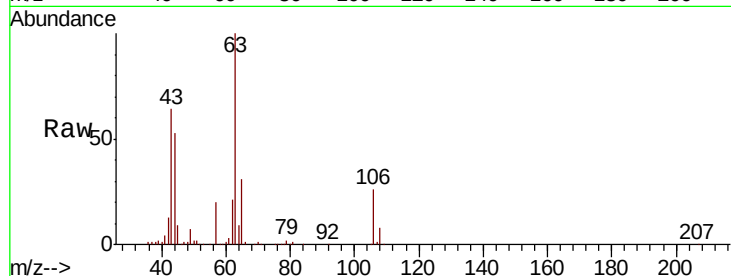
#55
2-Chloroethyl vinyl ether
Concen: 89.842 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.8	38.6
106	25.5	20.4	30.6

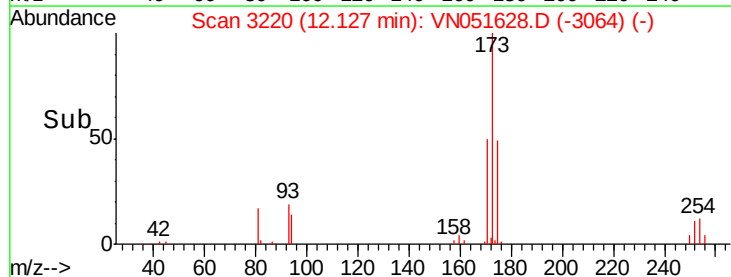
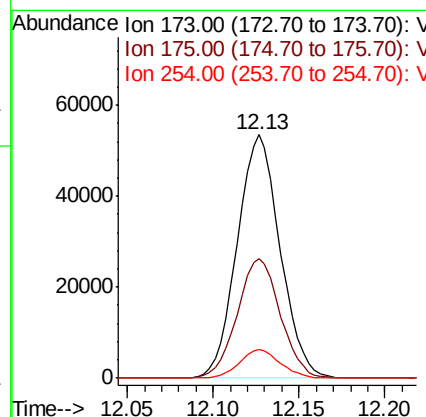
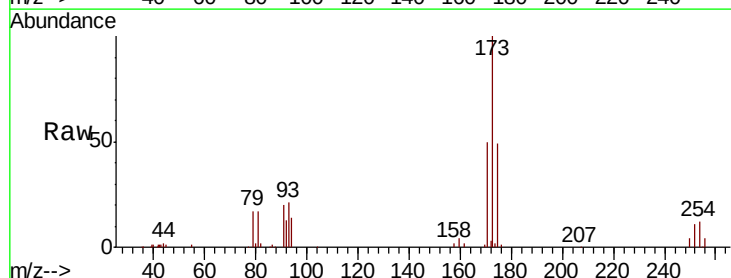
Manual Integrations
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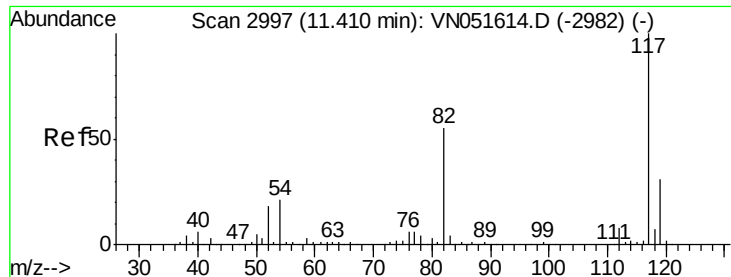
MMDadoda
10/2/2018 3:03:52 PM



#56
Bromoform
Concen: 19.845 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.3	39.0	58.4
254	11.1	8.7	13.1





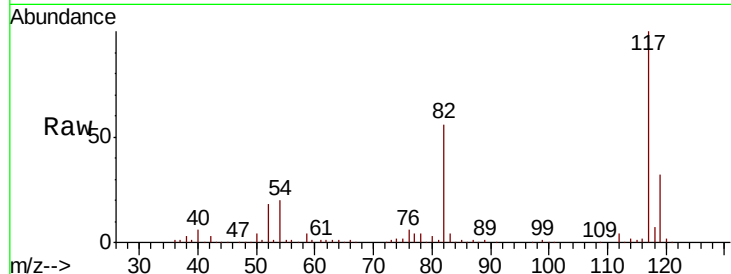
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

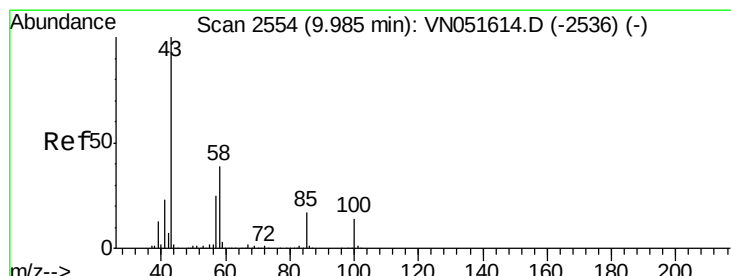
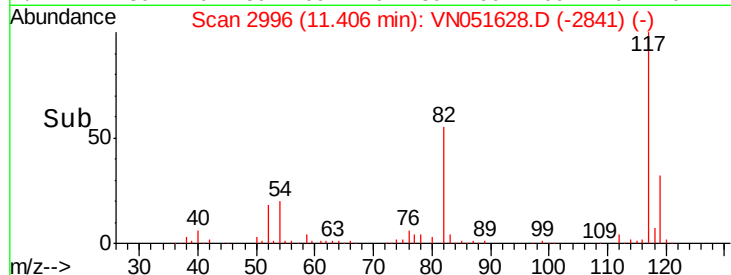
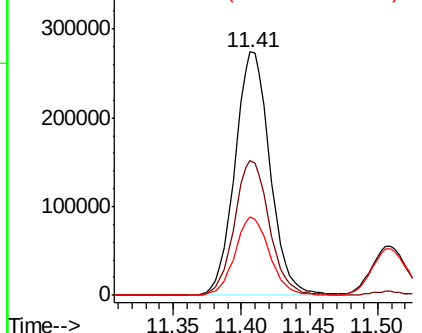
Tot Ion	Ratio	Lower	Upper
117	100		
82	55.2	44.2	66.2
119	31.8	25.2	37.8

Manual Integrations
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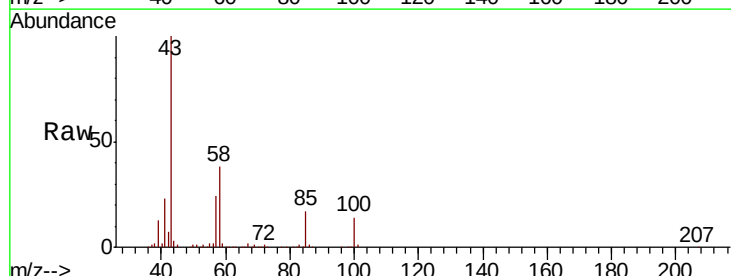


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VN
Ion 119.00 (118.70 to 119.70): V

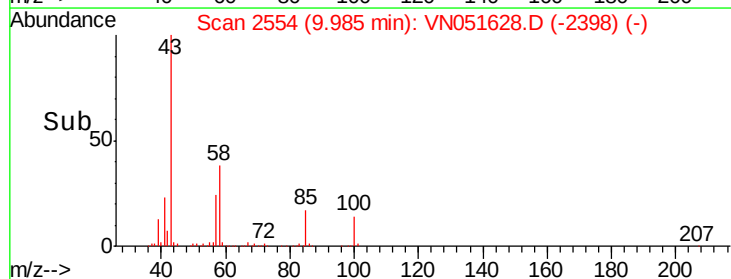
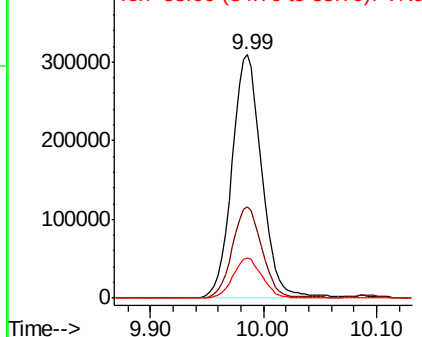


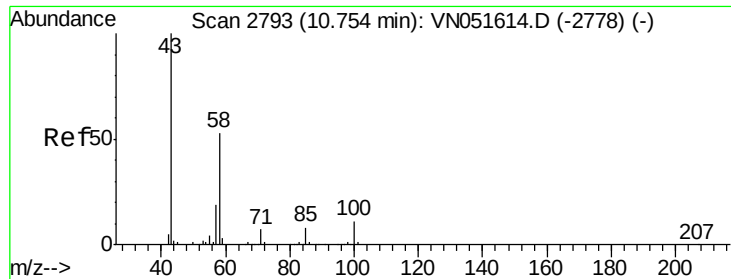
#58
4-Methyl-2-Pentanone
Concen: 101.203 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.8	31.0	46.4
85	16.3	13.4	20.2



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO
Ion 85.00 (84.70 to 85.70): VNO





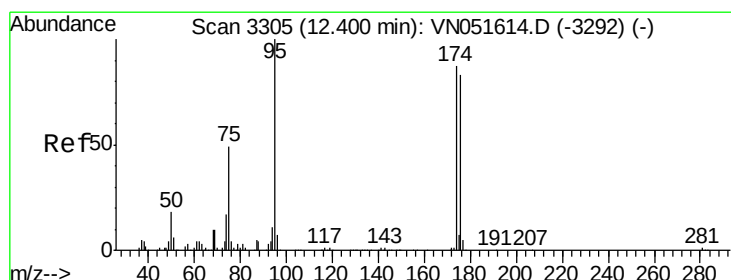
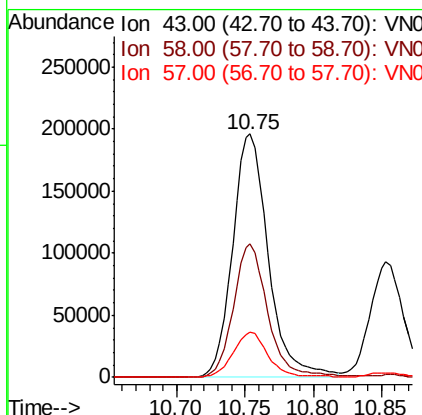
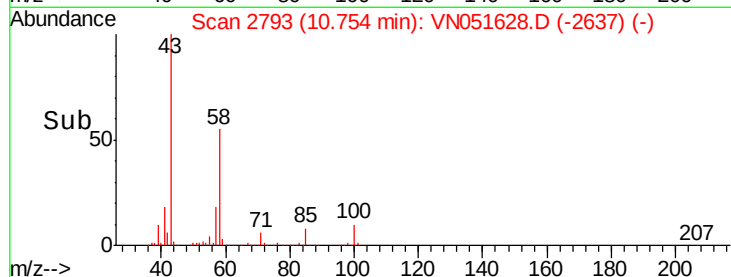
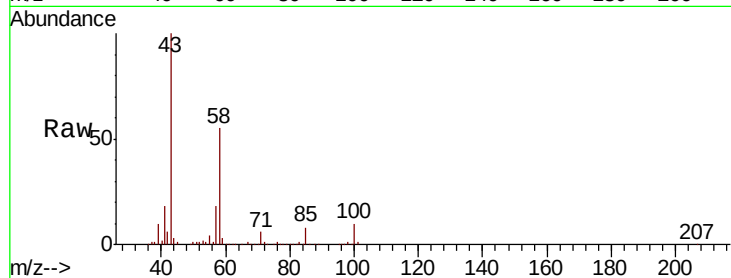
#59
2-Hexanone
Concen: 96.984 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampled :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.0	41.5	62.3
57	18.4	14.2	21.4

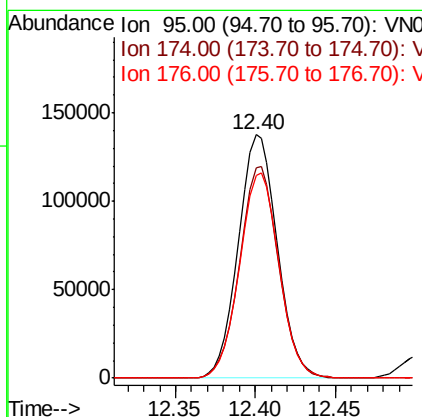
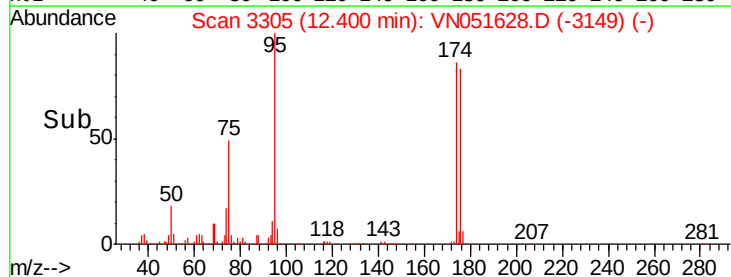
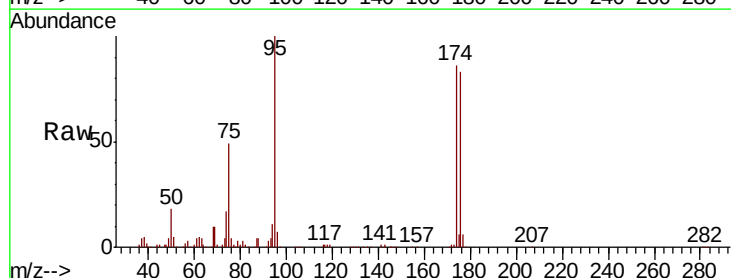
Manual Integrations
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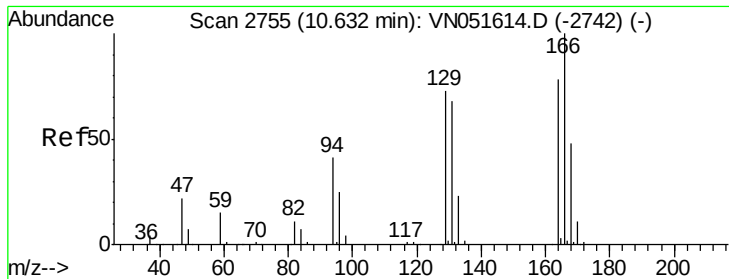
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 96.984 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.8	71.2	106.8
176	85.6	67.8	101.8





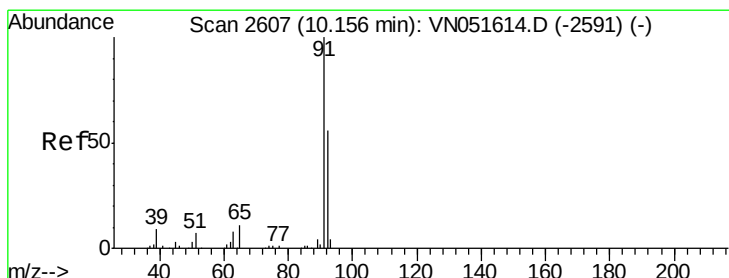
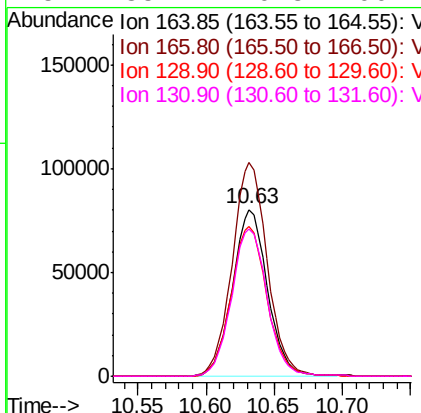
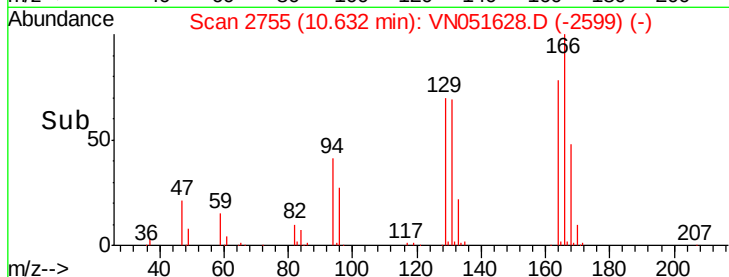
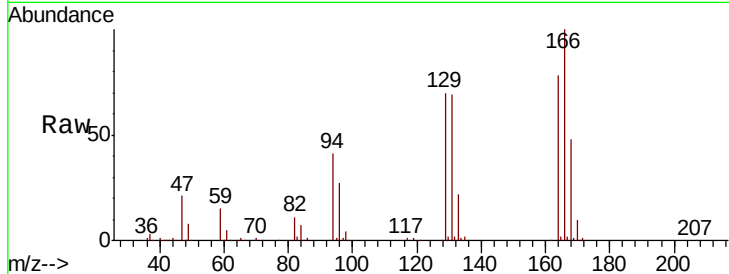
#61
Tetrachloroethene
Concen: 20.651 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.1	154.7
129	89.8	75.3	112.9
131	88.4	70.8	106.2

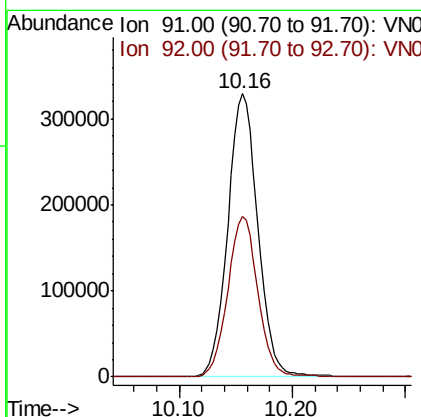
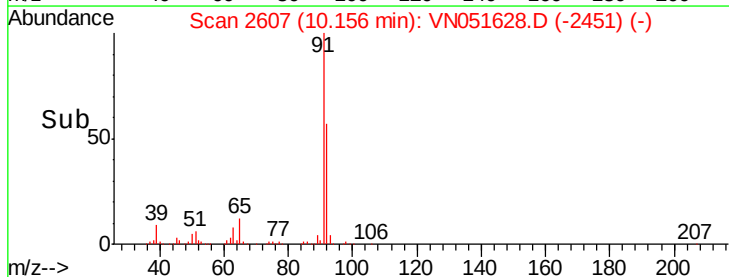
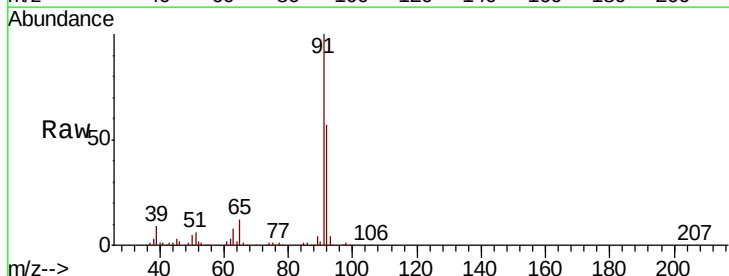
Manual Integrations
APPROVED

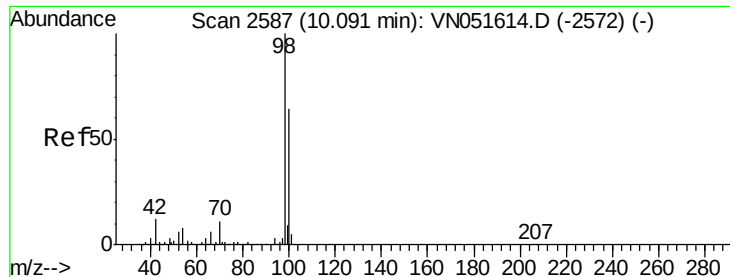
MMDadoda
10/2/2018 3:03:52 PM



#62
Toluene
Concen: 20.301 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.6	45.3	67.9





#63

Toluene-d8

Concen: 20.301 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

Tot Ion: 98 Resp: 705115

Ion Ratio Lower Upper

98 100

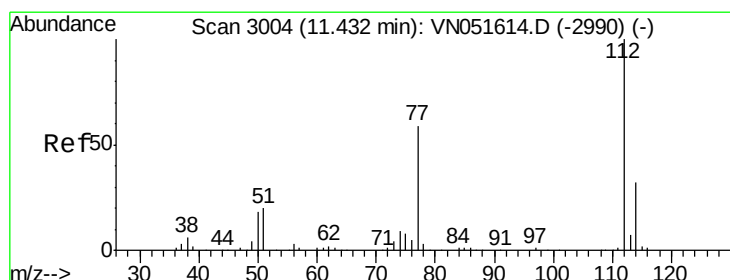
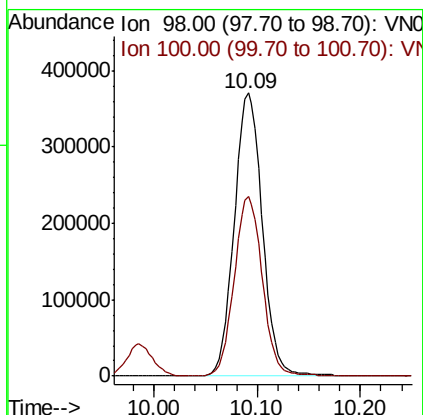
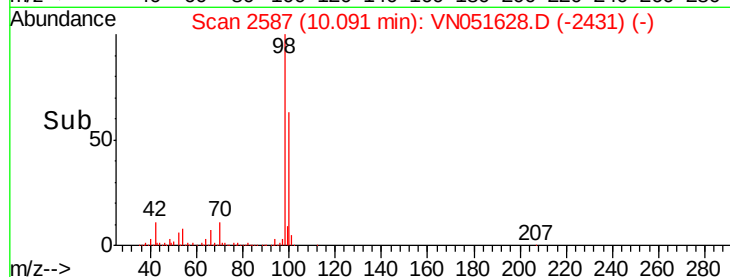
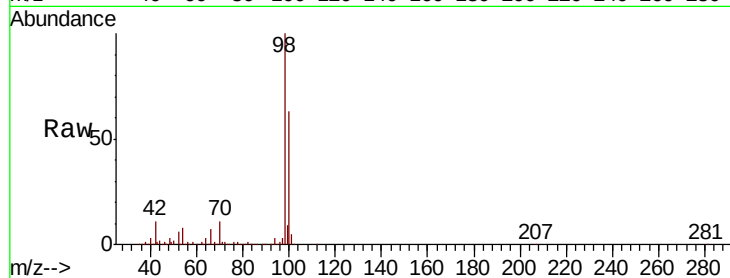
100 63.0 51.4 77.0

Manual Integrations

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#64

Chlorobenzene

Concen: 19.862 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN051628.D

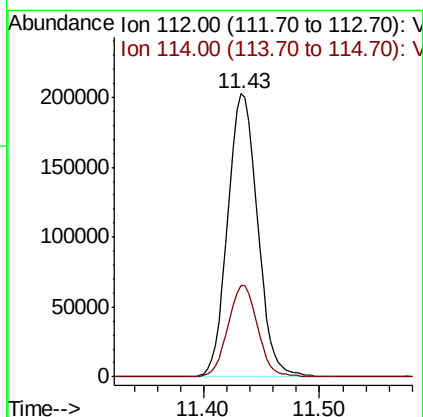
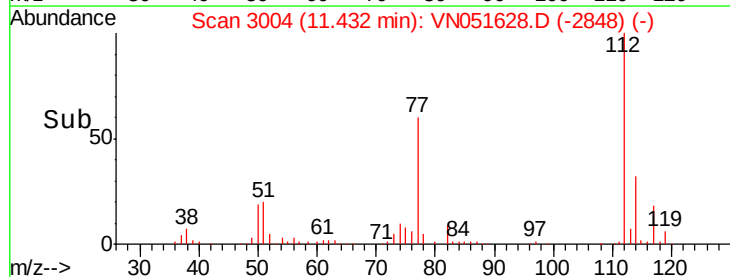
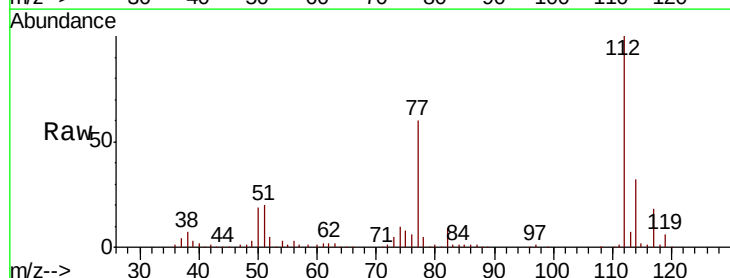
Acq: 1 Oct 2018 11:12

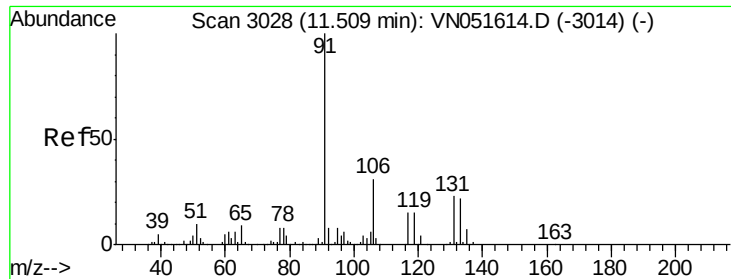
Tgt Ion: 112 Resp: 360878

Ion Ratio Lower Upper

112 100

114 32.1 25.9 38.9





#65

1,1,1,2-Tetrachloroethane

Concen: 20.373 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

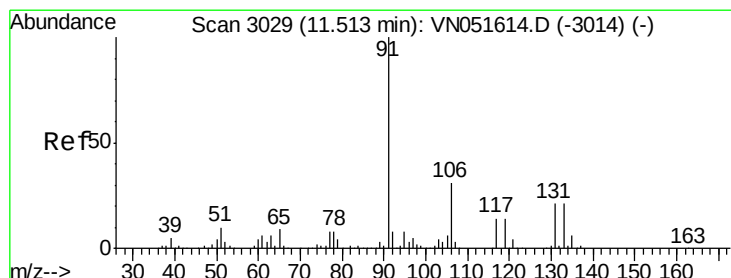
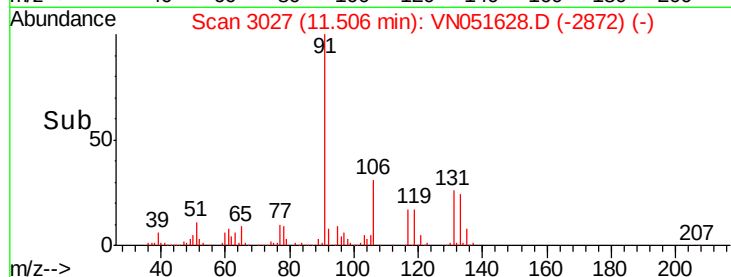
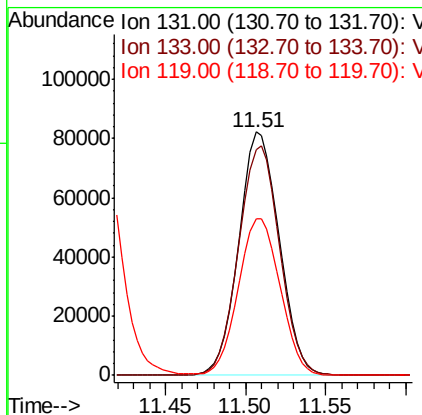
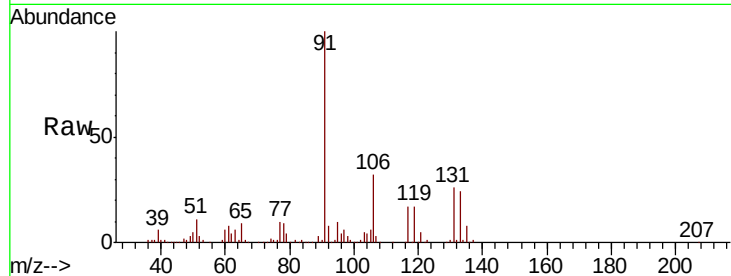
ClientSampled :

VN1001WBS01

Tot Ion:	131	Resp:	141347
Ion Ratio	Lower	Upper	
131	100		
133	96.2	0.0	193.0
119	66.8	0.0	135.0

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.488 ug/l

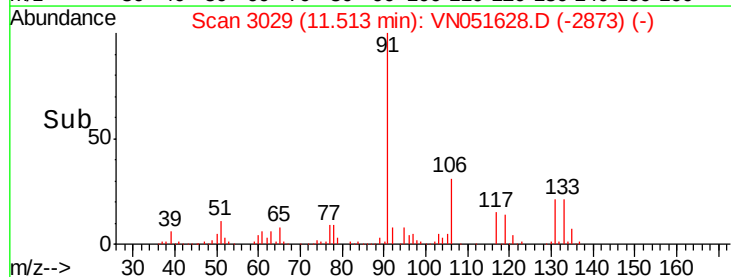
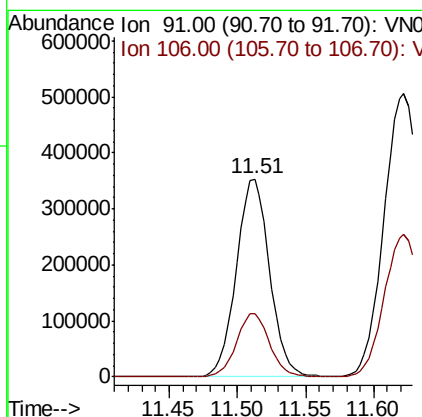
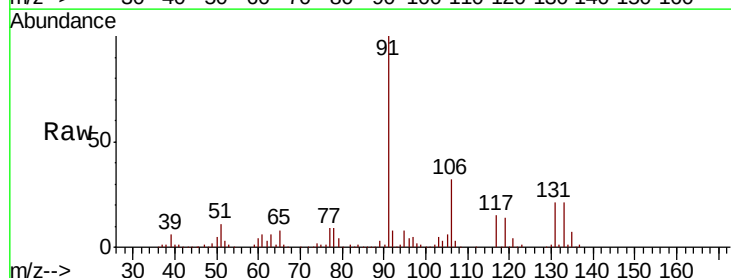
RT: 11.51 min Scan# 3029

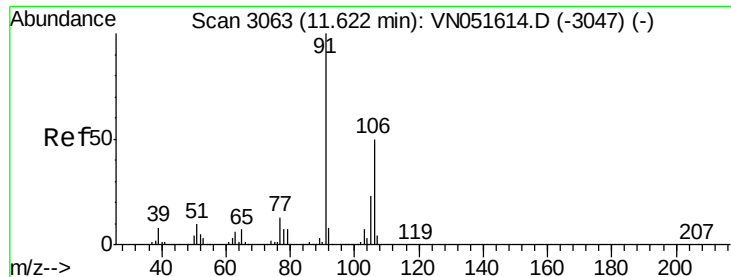
Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Tgt Ion:	91	Resp:	599358
Ion Ratio	Lower	Upper	
91	100		
106	32.0	25.0	37.4





#67

m/p-Xylenes

Concen: 40.990 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampled :

VN1001WBS01

Tot Ion:106 Resp: 485856

Ion Ratio Lower Upper

106 100

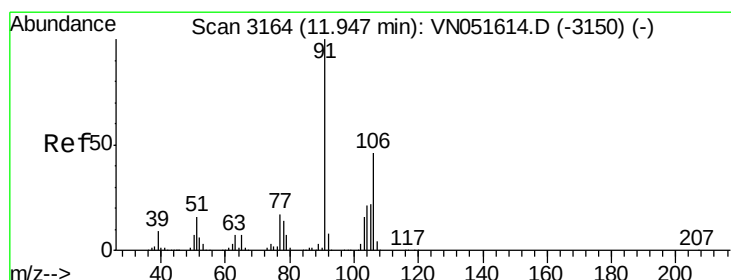
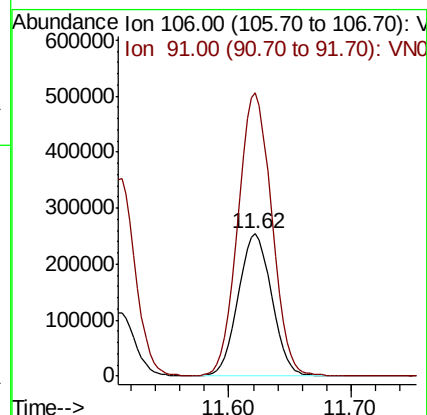
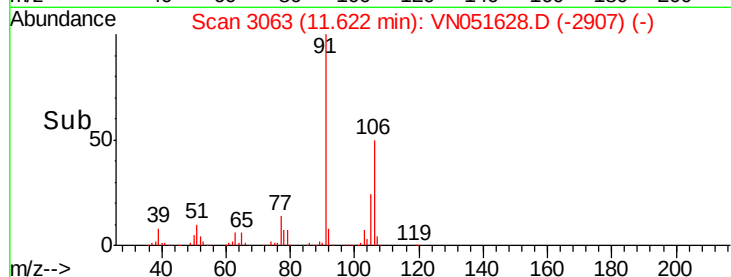
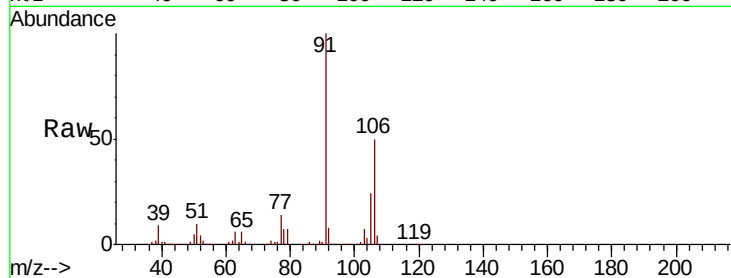
91 200.5 161.5 242.3

Manual Integrations

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#68

o-Xylene

Concen: 20.051 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051628.D

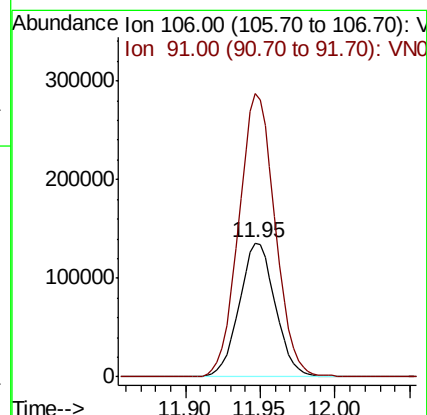
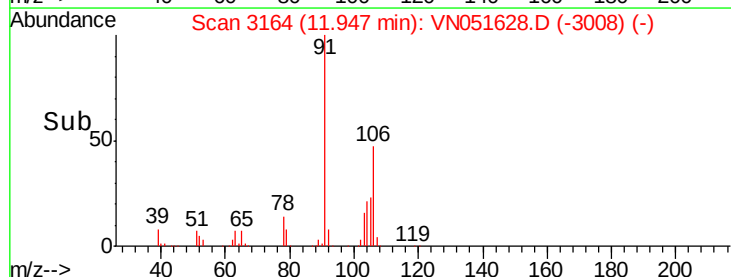
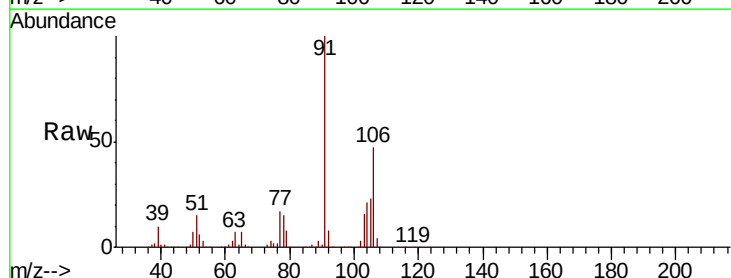
Acq: 1 Oct 2018 11:12

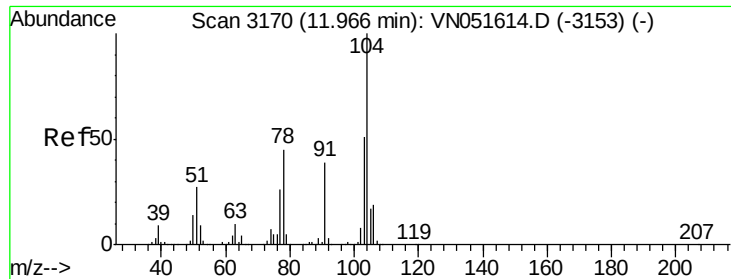
Tgt Ion:106 Resp: 226877

Ion Ratio Lower Upper

106 100

91 213.8 109.7 329.1





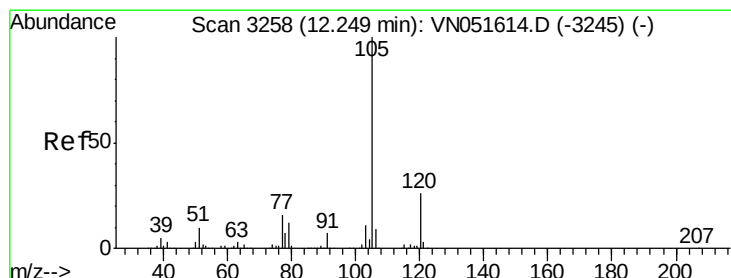
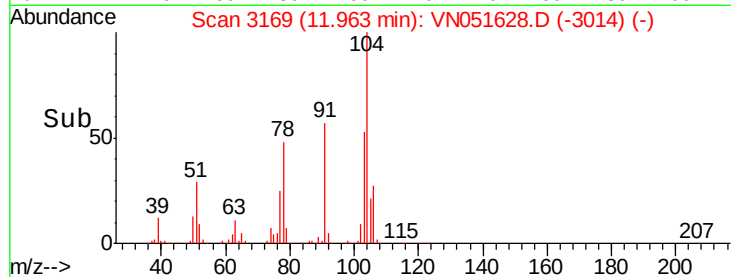
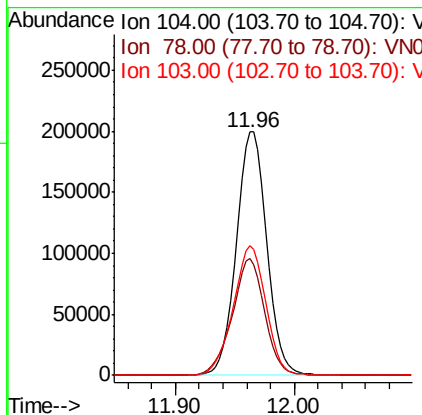
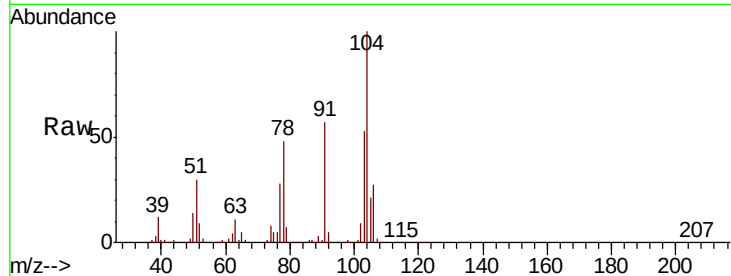
#69
Stvrene
Concen: 19.933 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.0	40.3	60.5
103	57.0	45.7	68.5

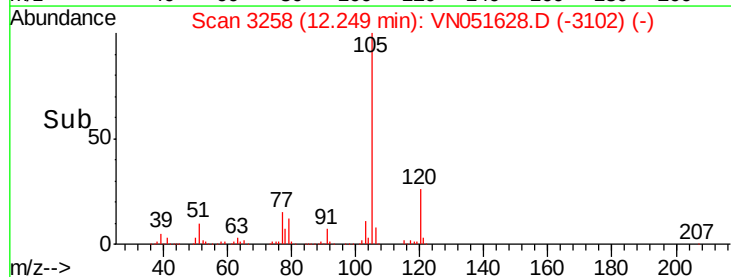
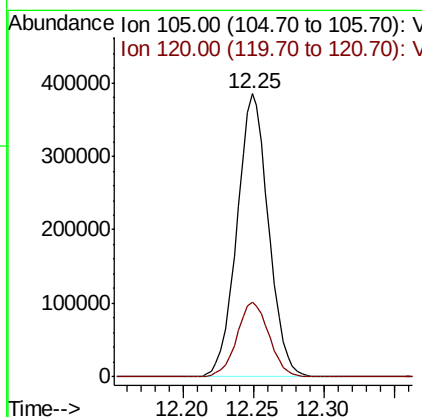
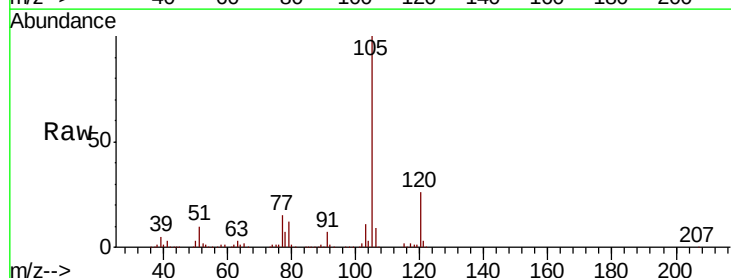
Manual Integrations
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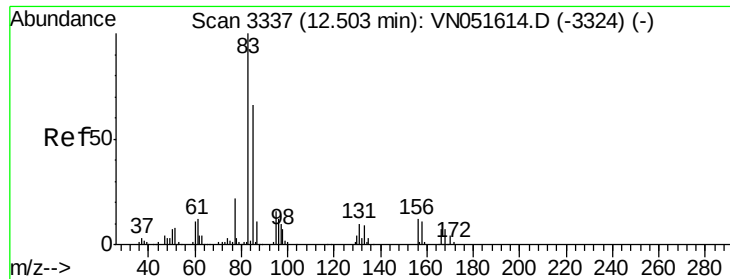
MMDadoda
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#70
Isopropylbenzene
Concen: 19.957 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.8	18.7	34.7





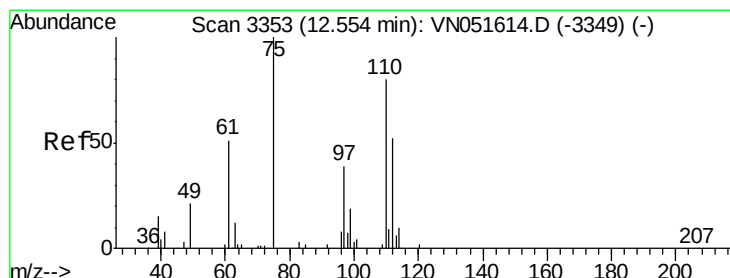
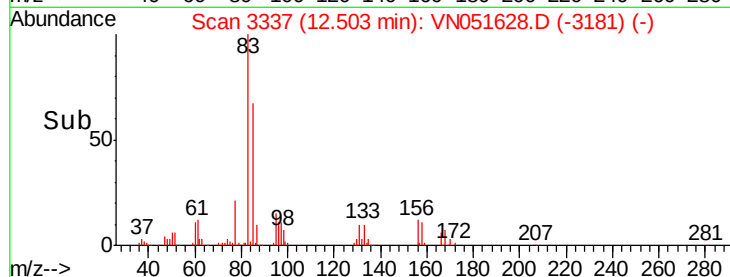
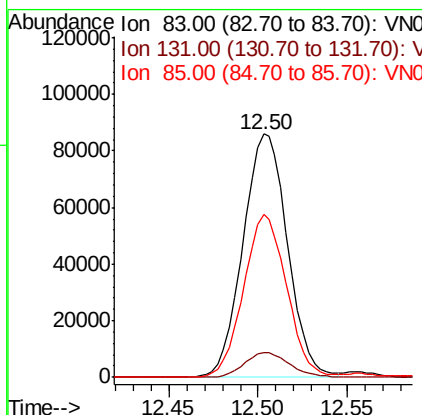
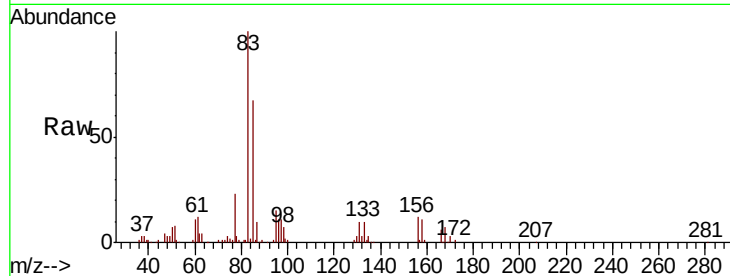
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.583 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN1001WBS01

Tot Ion	83	Resp	150305
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.2	15.6
85	64.6	32.0	96.2

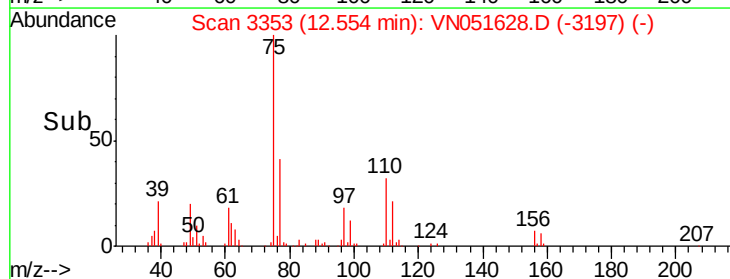
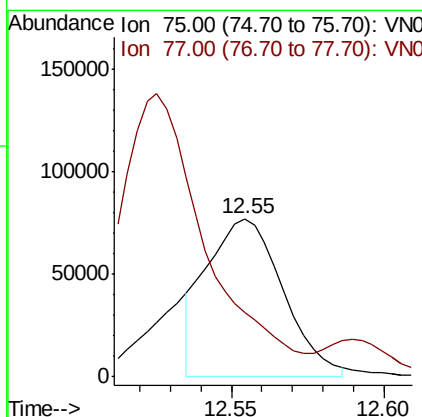
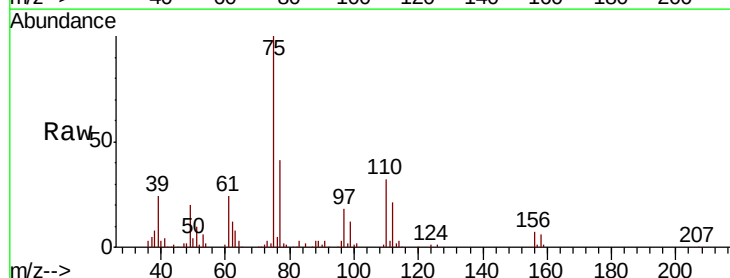
Manual Integrations
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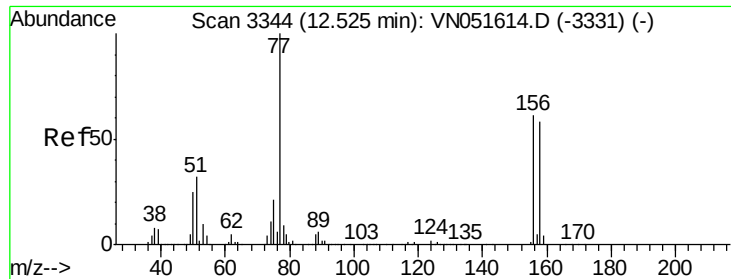
MMDadoda
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#72
 1,2,3-Trichloropropane
 Concen: 21.429 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion	75	Resp	133788
Ion Ratio	Lower	Upper	
75	100		
77	208.0	0.0	492.2





#73

Bromobenzene

Concen: 19.642 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

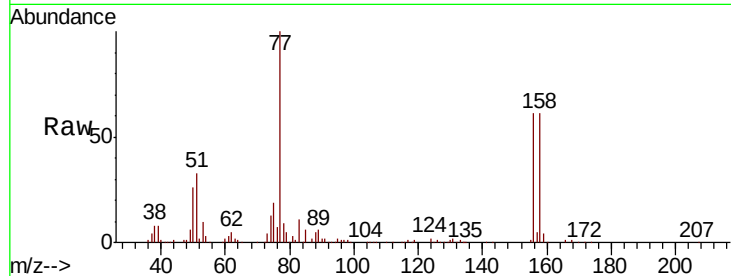
ClientSampleId :

VN1001WBS01

Tot Ion:	156	Resp:	147530
Ion Ratio	Lower	Upper	
156	100		
77	188.6	0.0	385.2
158	98.5	0.0	195.6

Manual Integrations
APPROVED

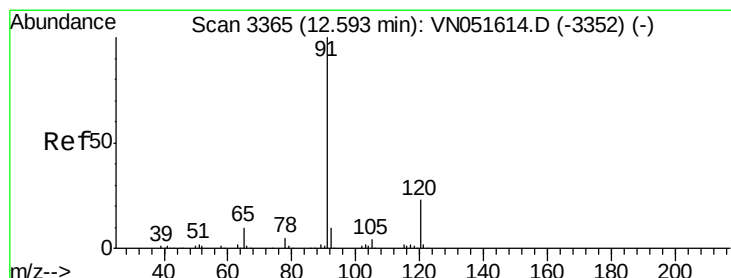
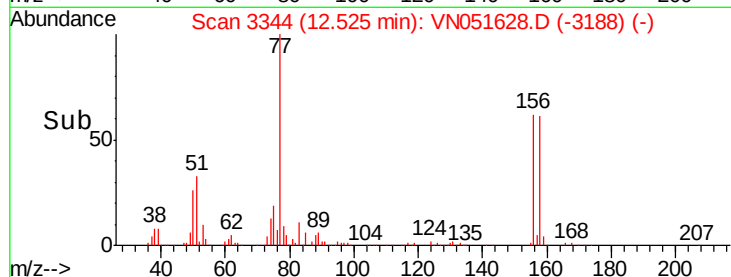
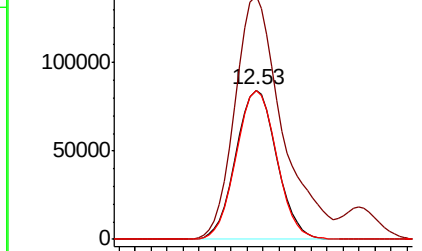
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.889 ug/l

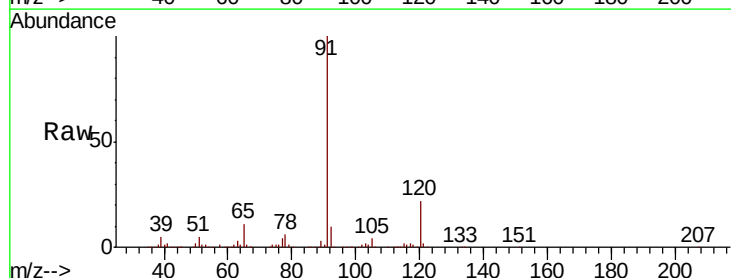
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051628.D

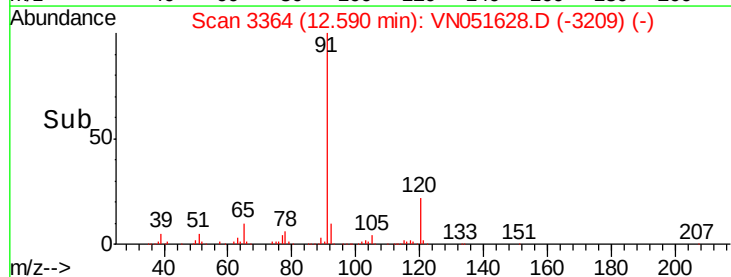
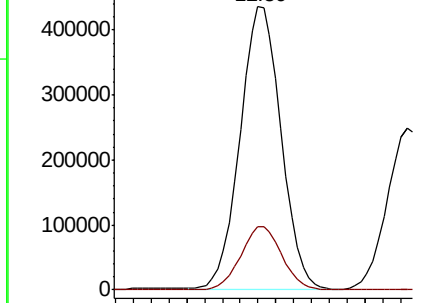
Acq: 1 Oct 2018 11:12

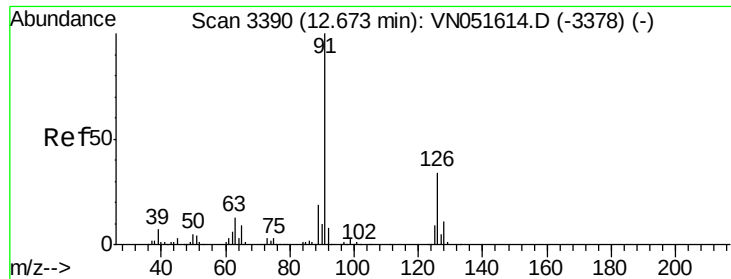
Tgt Ion:	91	Resp:	698824
Ion Ratio	Lower	Upper	
91	100		
120	22.4	0.0	45.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.918 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051628.D

Acq: 1 Oct 2018 11:12

Instrument :

MSVOA_N

ClientSampleId :

VN1001WBS01

Tot Ion: 91 Resp: 417905

Ion Ratio Lower Upper

91 100

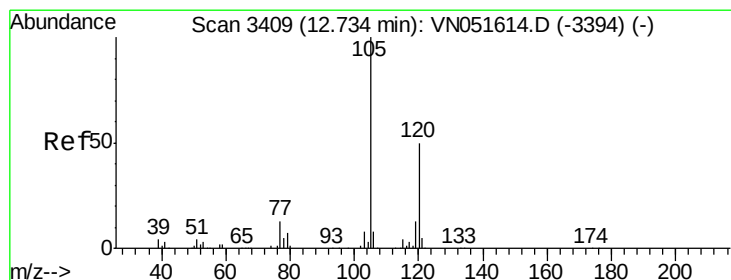
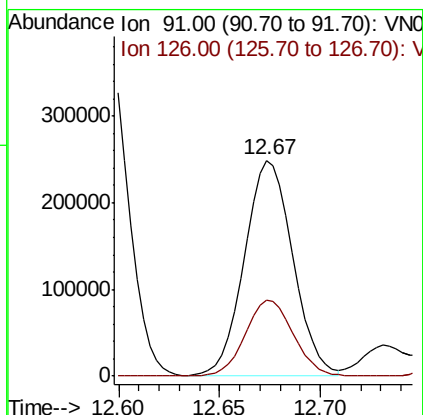
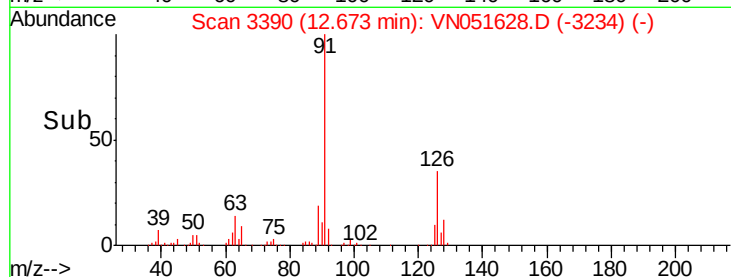
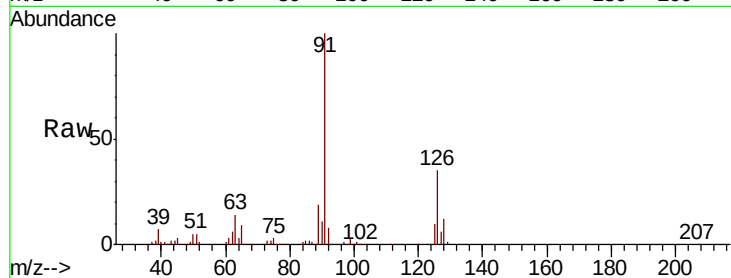
126 35.0 0.0 69.2

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 20.319 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051628.D

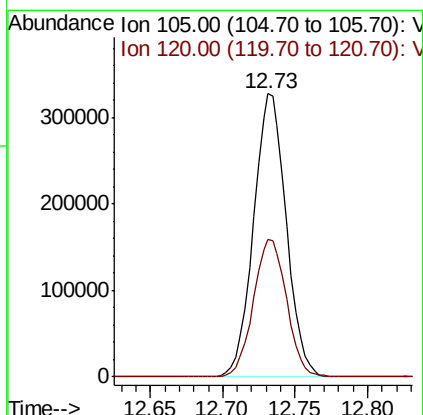
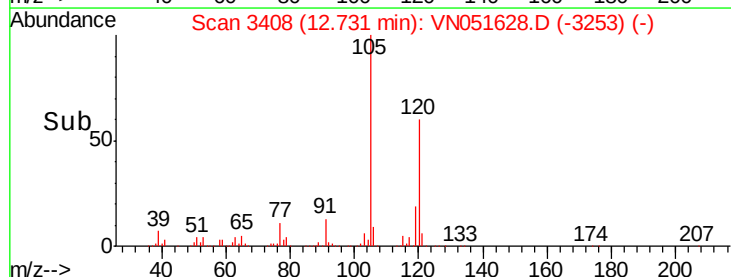
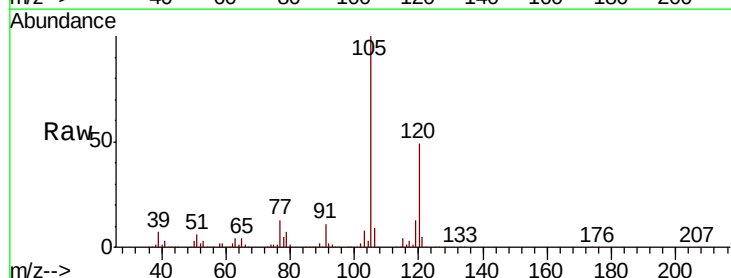
Acq: 1 Oct 2018 11:12

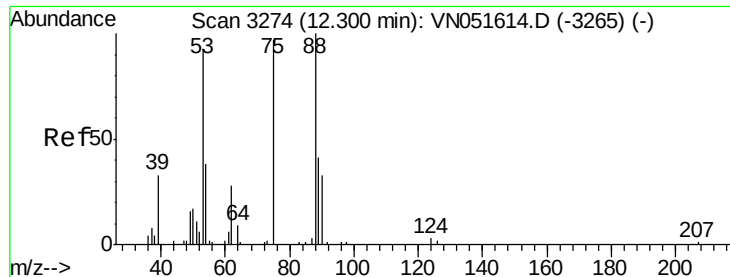
Tgt Ion: 105 Resp: 512456

Ion Ratio Lower Upper

105 100

120 49.4 0.0 99.8





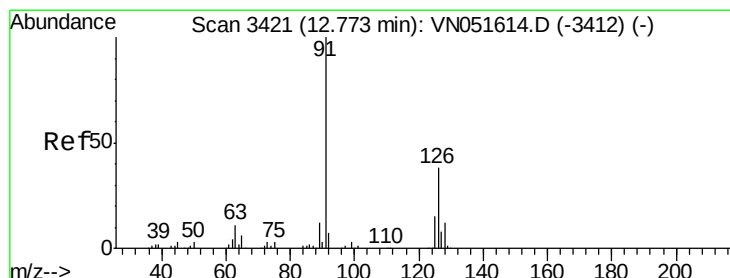
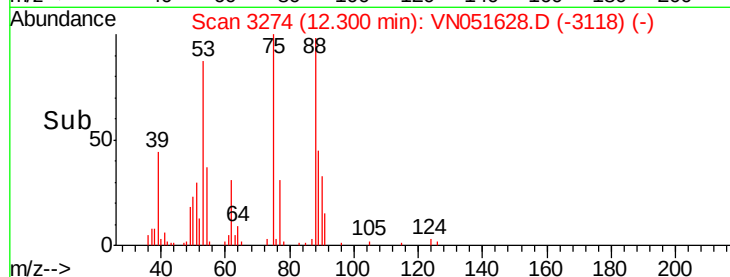
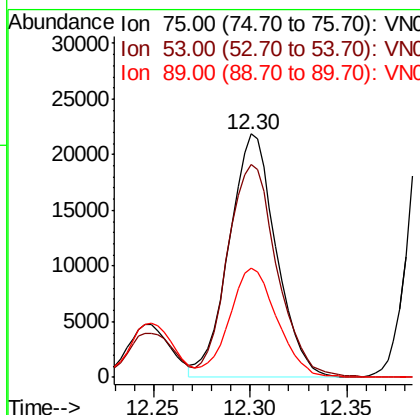
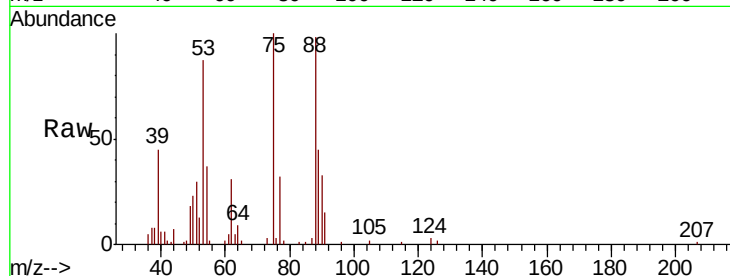
#77
t-1,4-Dichloro-2-butene
Concen: 18.665 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.1	48.1	144.4
89	44.1	22.4	67.3

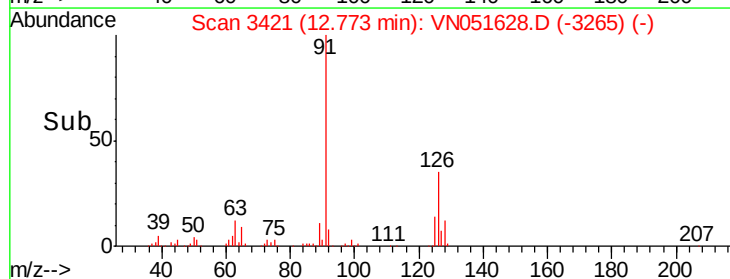
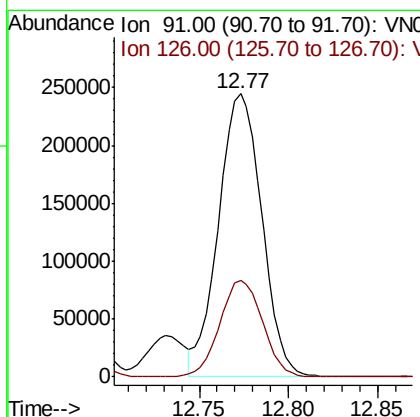
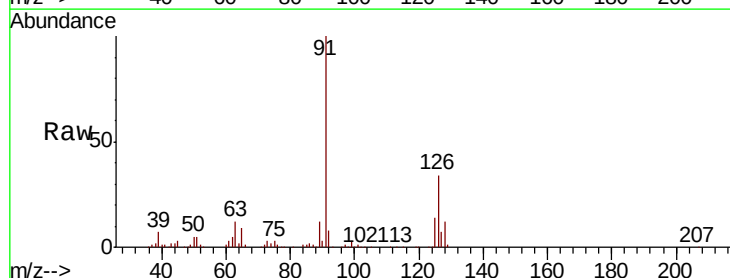
Manual Integrations
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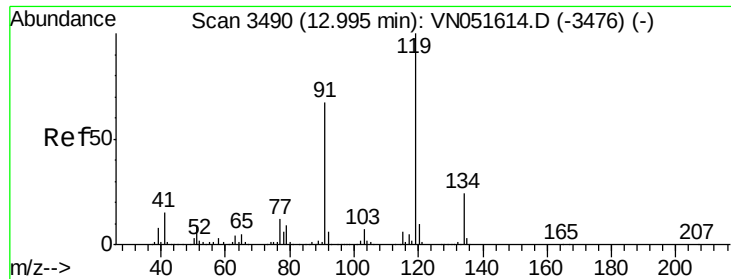
MMDadoda
10/2/2018 3:03:52 PM



#78
4-Chlorotoluene
Concen: 19.875 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.9	0.0	68.6





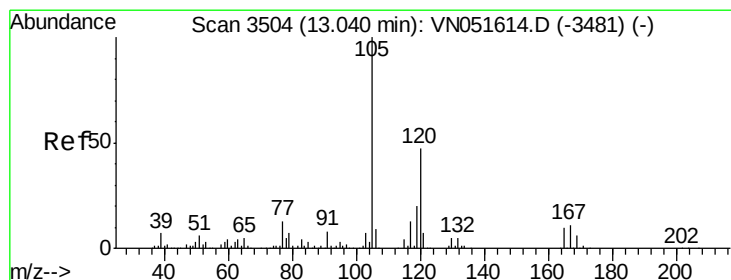
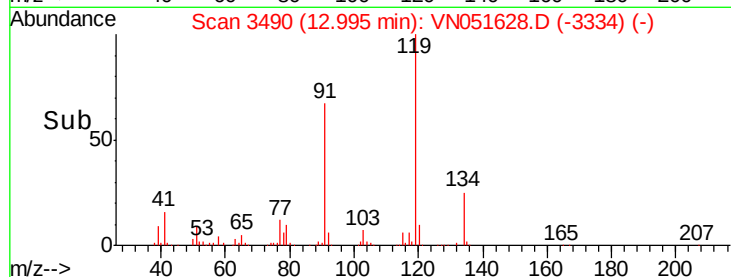
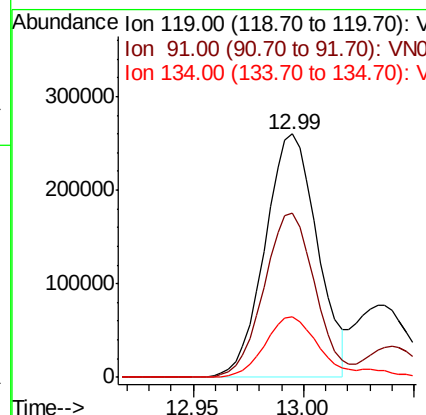
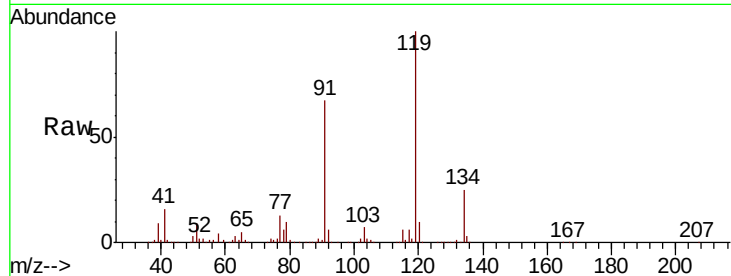
#79
tert-butylbenzene
Concen: 19.524 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampled :
VN1001WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	426599		
91	65.9		0.0	132.4
134	25.2		0.0	48.4

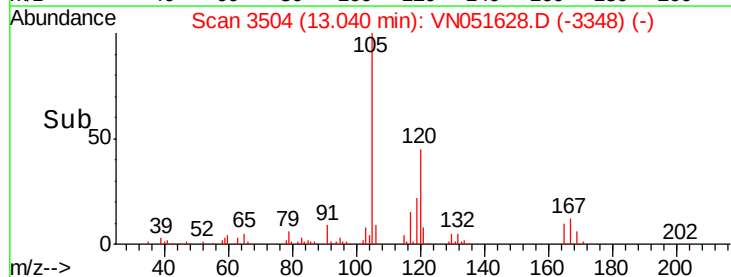
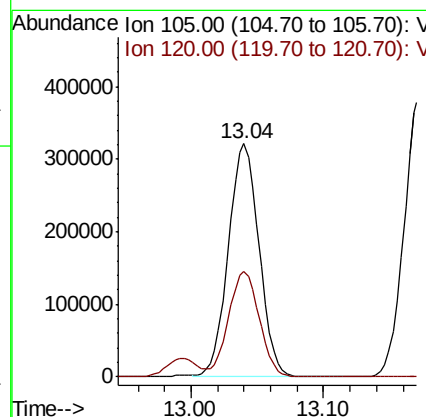
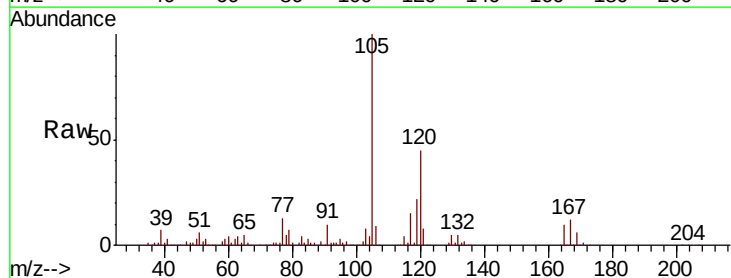
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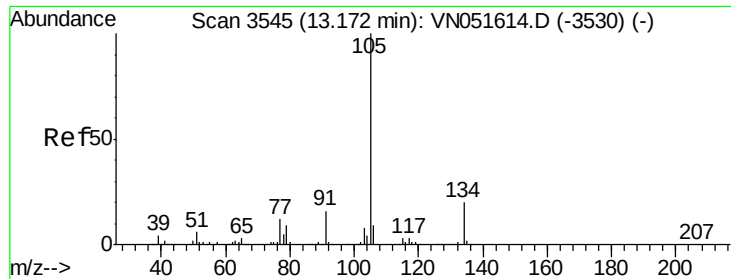
MMDadoda
10/2/2018 3:03:52 PM



#80
1,2,4-Trimethylbenzene
Concen: 20.547 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	517570		
120	45.3		0.0	91.6





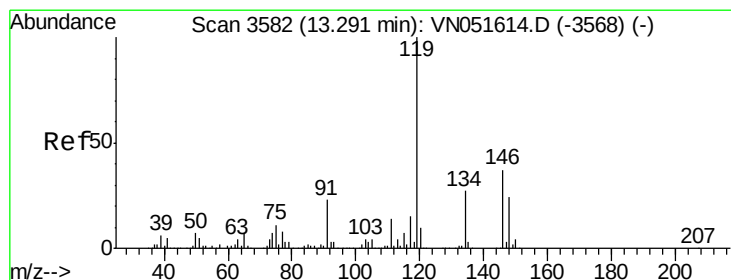
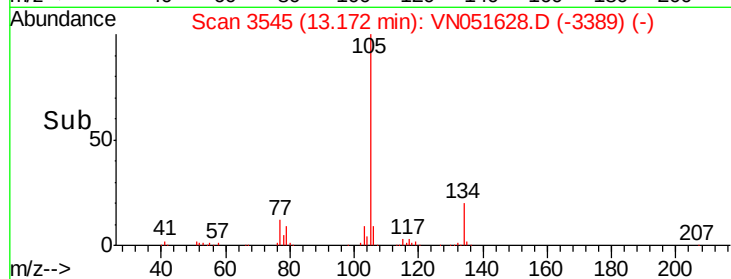
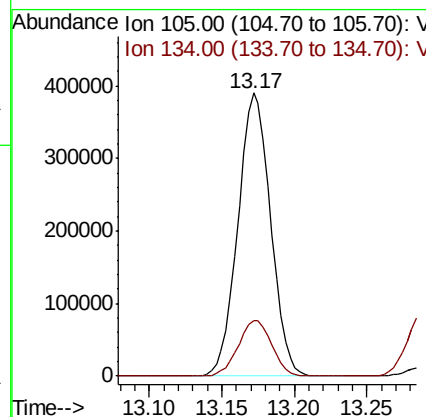
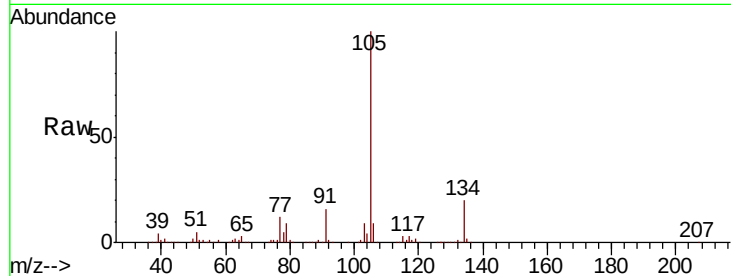
#81
 sec-Butylbenzene
 Concen: 20.219 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampled :
 VN1001WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	39.8

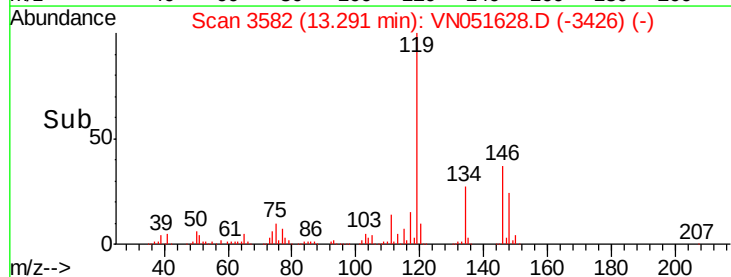
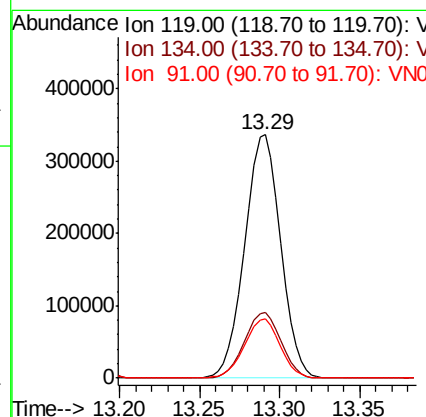
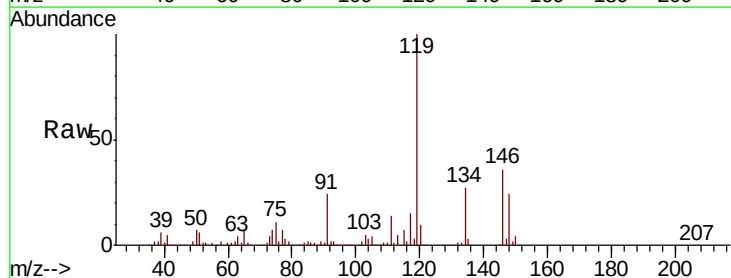
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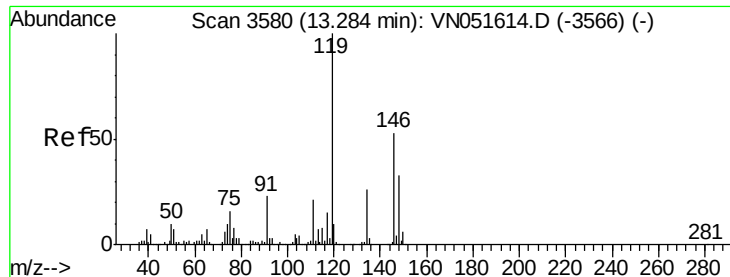
MMDadoda
 10/2/2018 3:03:52 PM



#82
 p-Isopropyltoluene
 Concen: 19.944 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.3	0.0	52.0
91	24.1	0.0	46.0





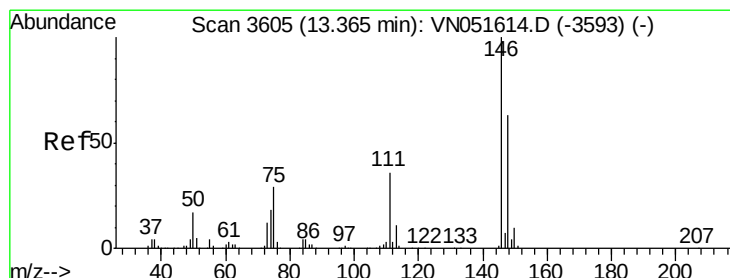
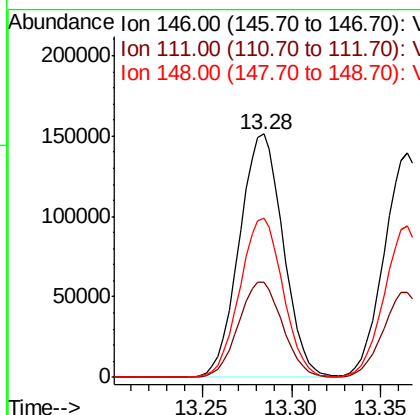
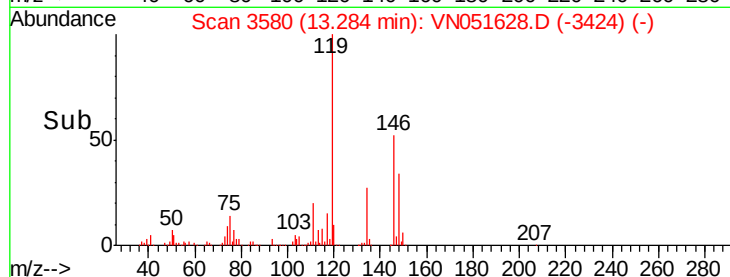
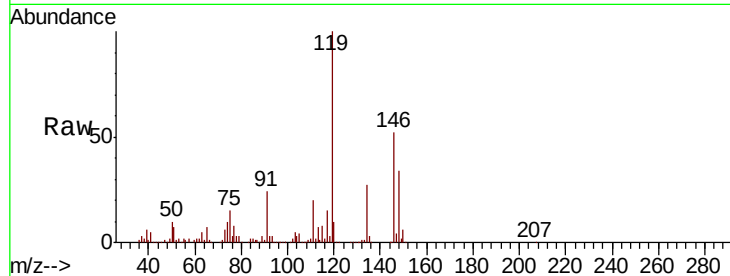
#83
 1,3-Dichlorobenzene
 Concen: 19.870 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.9	59.6
148	64.5	32.4	97.2

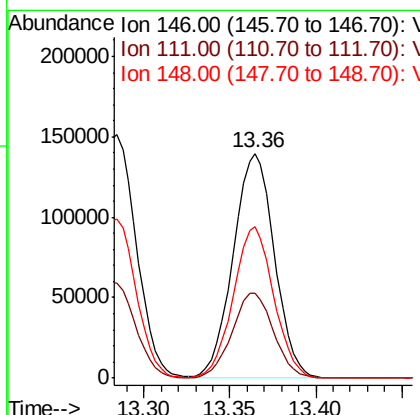
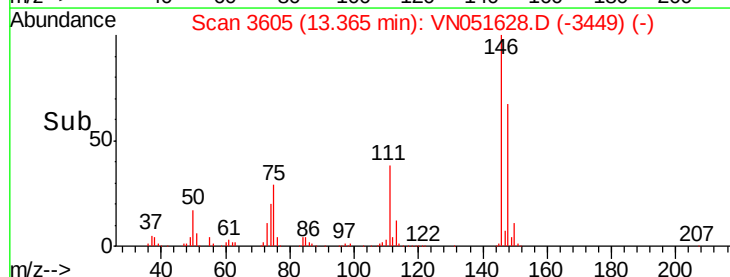
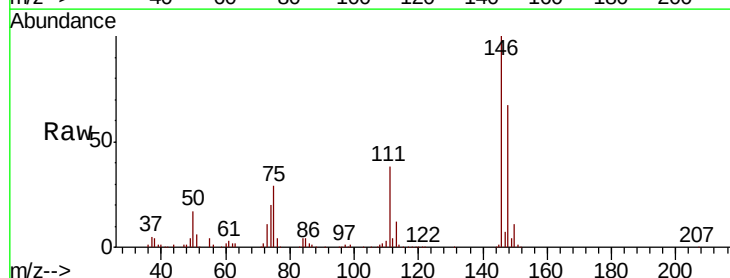
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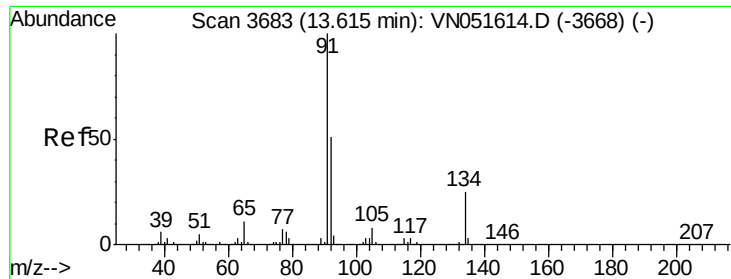
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#84
 1,4-Dichlorobenzene
 Concen: 18.947 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.8
148	66.2	32.1	96.5





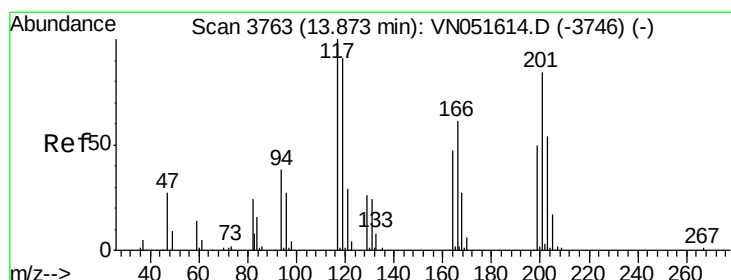
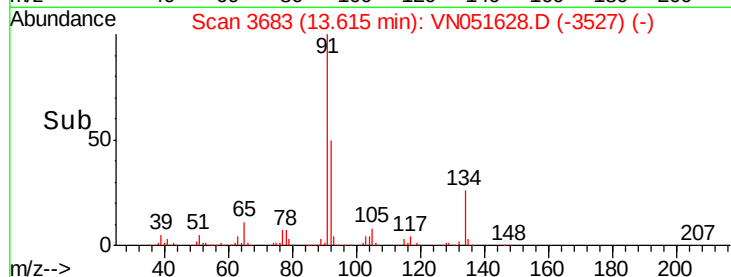
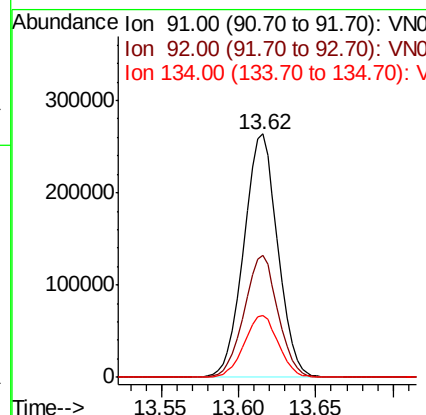
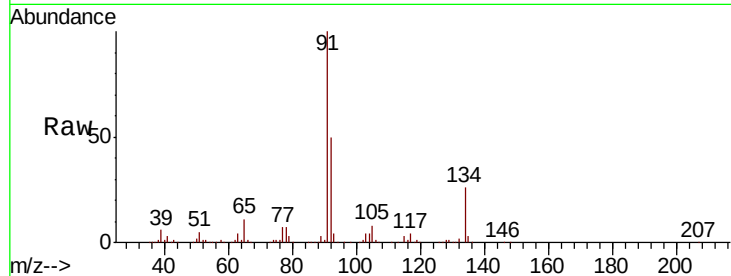
#85
n-Butylbenzene
Concen: 18.967 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	401595		
92	50.0		0.0	101.6
134	25.6		0.0	50.6

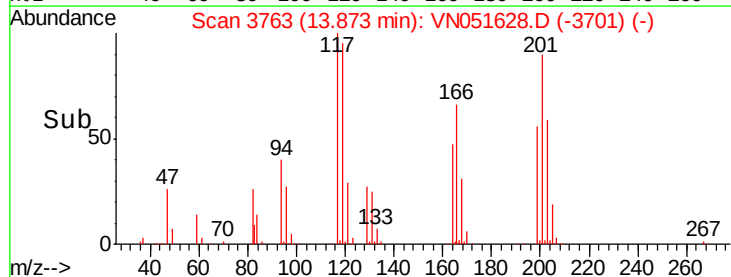
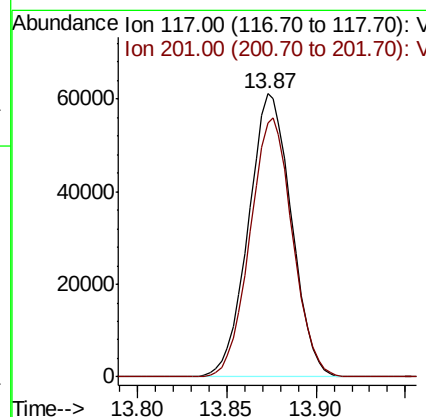
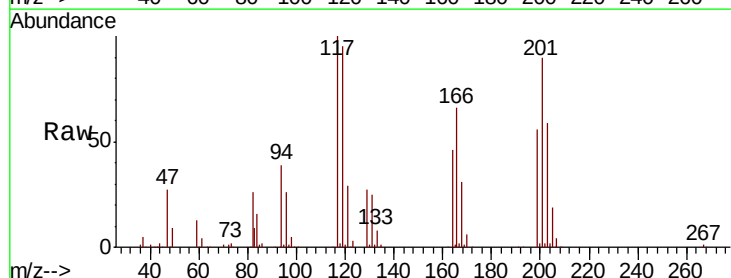
Manual Integrations
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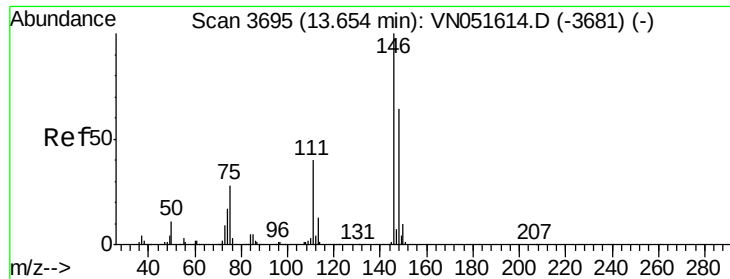
MMDadoda
10/2/2018 3:03:52 PM



#86
Hexachloroethane
Concen: 19.990 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	103138		
201	90.4		42.9	128.5





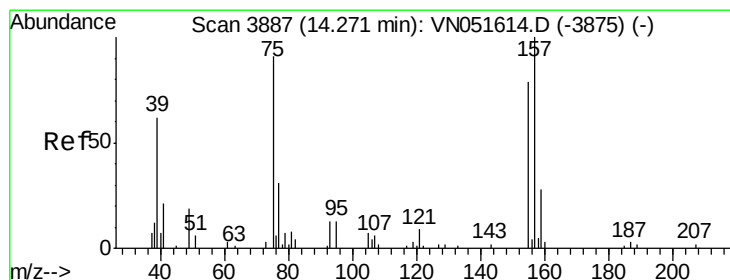
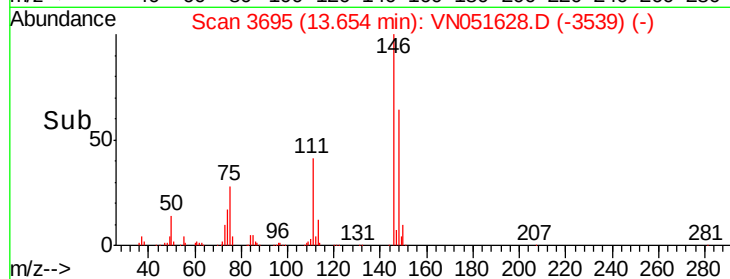
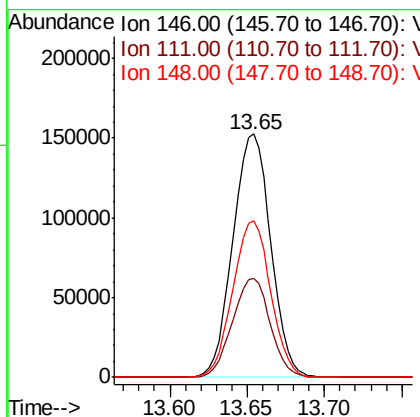
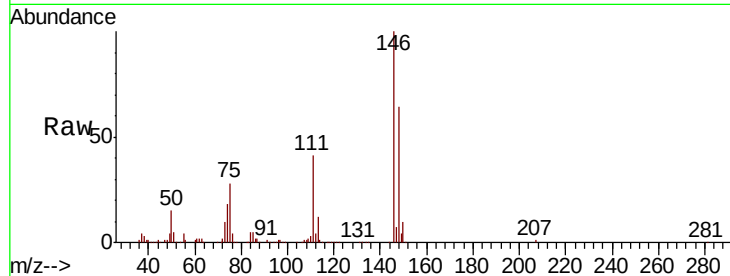
#87
 1,2-Dichlorobenzene
 Concen: 20.295 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1001WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.1	60.3
148	64.2	32.1	96.5

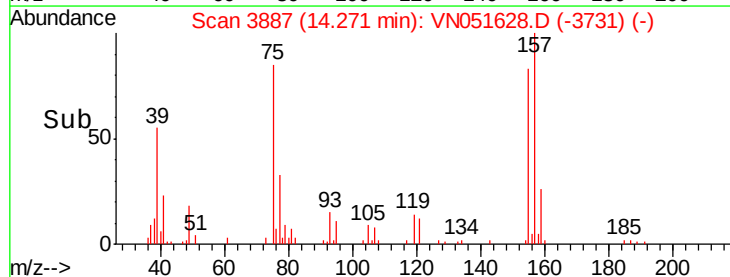
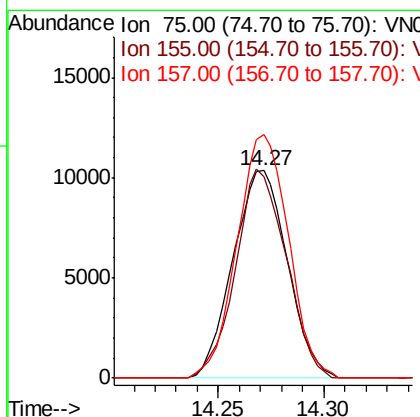
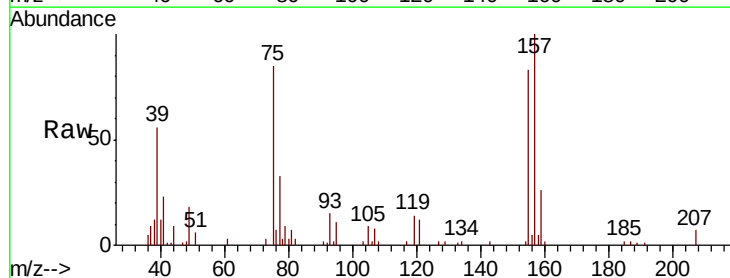
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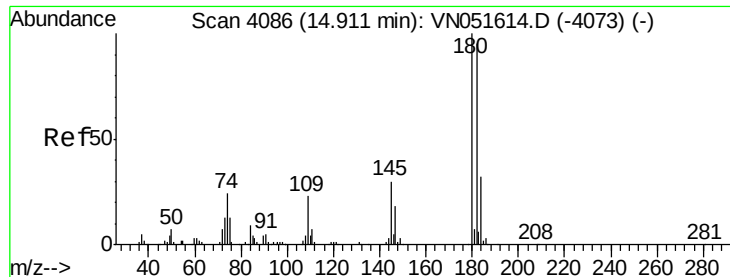
MMDadoda
 10/2/2018 3:03:52 PM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.446 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051628.D
 Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.6	67.1	100.7
157	111.2	85.8	128.6





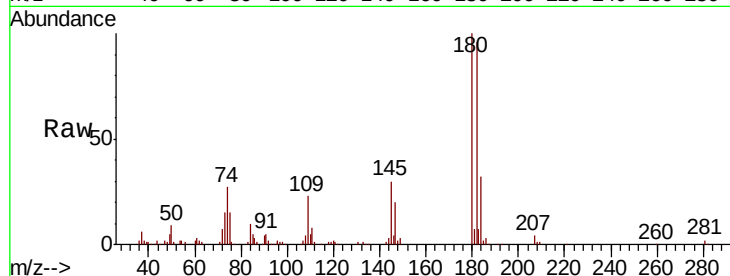
#89
1,2,4-Trichlorobenzene
Concen: 16.395 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. -0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.2	112.8
145	28.3	22.9	34.3

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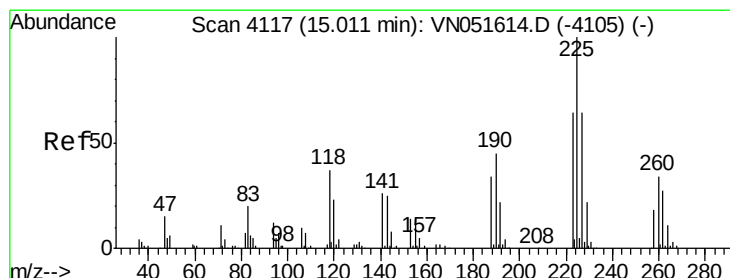
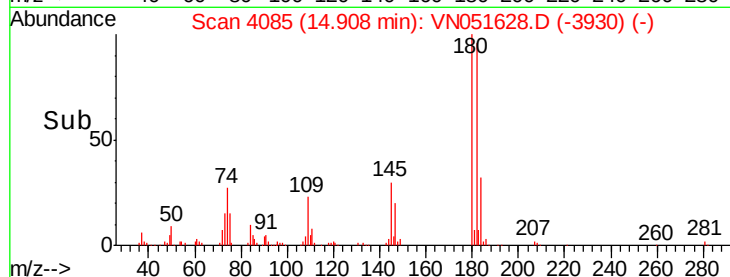
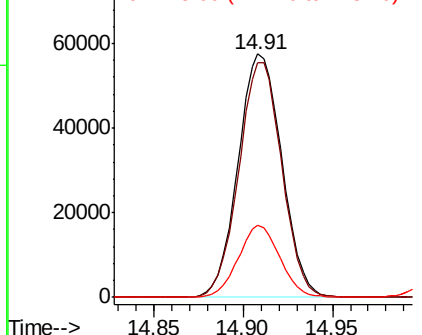


Abundance

Ion 180.00 (179.70 to 180.70): V

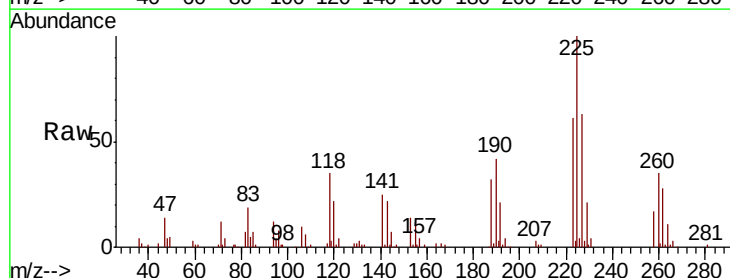
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
Hexachlorobutadiene
Concen: 20.748 ug/l
RT: 15.01 min Scan# 4117
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	0.0	131.0
227	61.5	0.0	129.0

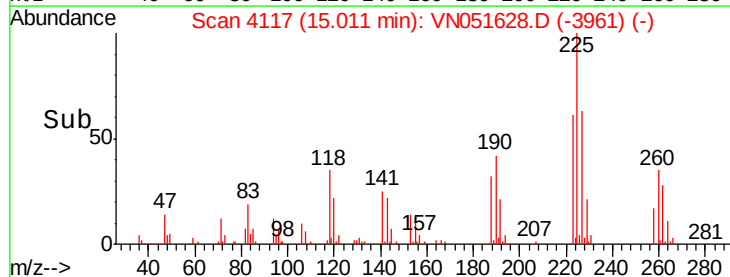
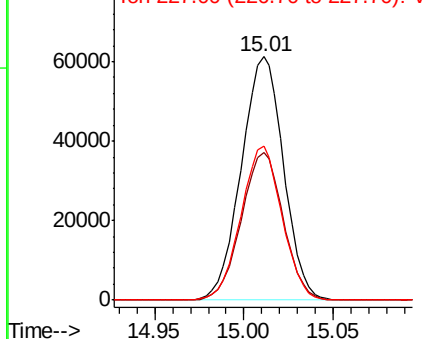


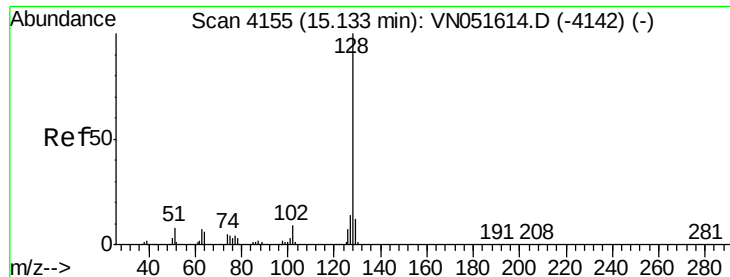
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





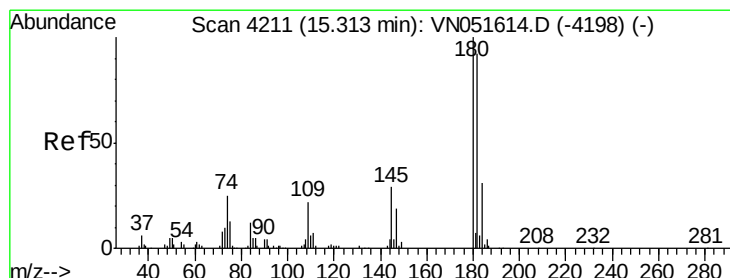
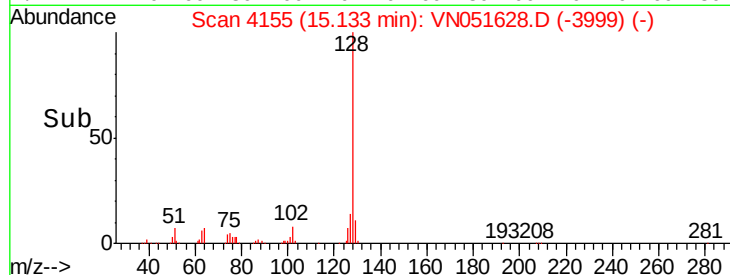
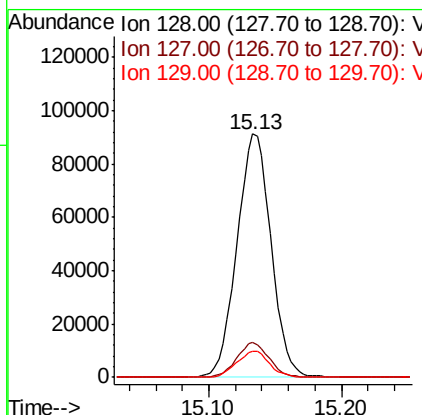
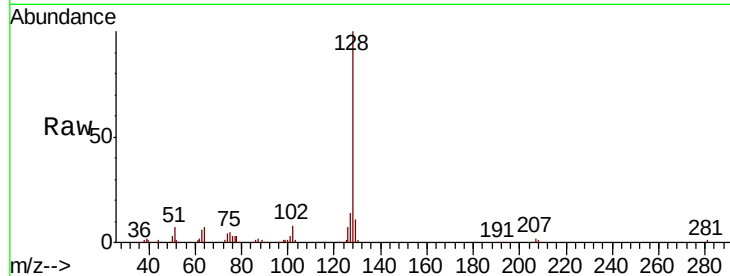
#91
Naphthalene
Concen: 17.521 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Instrument :
MSVOA_N
ClientSampleId :
VN1001WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.8	16.2
129	10.5	9.1	13.7

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 17.207 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN051628.D
Acq: 1 Oct 2018 11:12

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	0.0	191.8
145	30.0	0.0	60.4

