

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050499.D
 Acq On : 9 Aug 2018 21:13
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 8/10/2018 10:53:00 AM

Quant Time: Aug 10 07:38:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	135010	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	727618	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	629648	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	273678	29.82	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.40%
60) 4-Bromofluorobenzene	12.40	95	289783	29.96	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.87%
63) Toluene-d8	10.09	98	900052	29.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.77%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	136703	14.69	ug/l	99
3) Chloromethane	2.06	50	171536	17.88	ug/l	97
4) Vinyl Chloride	2.18	62	181423	17.76	ug/l	96
5) Bromomethane	2.56	94	101980	16.38	ug/l	97
6) Chloroethane	2.70	64	113822	18.85	ug/l	98
7) Trichlorofluoromethane	3.01	101	249077	18.66	ug/l	99
8) Diethyl Ether	3.41	74	84273	18.83	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	153046	18.85	ug/l	99
10) 1,1-Dichloroethene	3.74	96	136985	19.03	ug/l	94
11) Methyl Iodide	3.95	142	64189	6.06	ug/l	99
12) Methyl Acetate	4.33	43	142174	17.24	ug/l	100
13) Acrolein	3.61	56	40239	78.96	ug/l	100
14) Acrylonitrile	5.00	53	248934	90.47	ug/l	99
15) Acetone	3.82	58	76090	104.06	ug/l	97
16) Carbon Disulfide	4.05	76	394577	17.91	ug/l	99
17) Allyl chloride	4.33	41	201743	17.75	ug/l	98
18) Methylene Chloride	4.55	84	167437	20.16	ug/l	95
19) trans-1,2-Dichloroethene	5.04	96	146597	19.02	ug/l	96
20) Diisopropyl ether	5.96	45	461949	19.82	ug/l	97
21) 1,1-Dichloroethane	5.85	63	278722	19.02	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	167483	19.60	ug/l	98
23) tert-Butyl Alcohol	4.80	59	52336	85.13	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	375399	19.12	ug/l	99
25) Chloroform	7.37	83	290978	19.61	ug/l	98
26) Cyclohexane	7.66	56	219184	18.82	ug/l #	98
29) 1,1-Dichloropropene	7.80	75	210490	18.64	ug/l	100
30) 2-Butanone	6.84	43	355512	100.33	ug/l	97
31) 2,2-Dichloropropane	6.83	77	203594	16.31	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	245517	18.47	ug/l	99
33) Carbon Tetrachloride	7.78	117	216572	18.28	ug/l	99
34) Benzene	8.04	78	648617	18.91	ug/l	99
35) Methacrylonitrile	7.18	41	66560	16.50	ug/l	98
36) 1,2-Dichloroethane	8.13	62	208537	18.52	ug/l	100
37) Trichloroethene	8.84	130	170719	18.98	ug/l	95
38) Methylcyclohexane	9.08	83	206016	17.31	ug/l	98
39) 1,2-Dichloropropane	9.12	63	170475	18.87	ug/l	99
40) Dibromomethane	9.21	93	103584	18.55	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.41	83	215428	18.29	ug/l	98
42) Vinyl Acetate	5.90	43	1466151	87.93	ug/l	100
43) Ethyl Acetate	6.93	43	123905	16.75	ug/l	94
44) Isopropyl Acetate	8.17	43	244032	17.80	ug/l	95
45) 1,4-Dioxane	9.20	88	32128	356.20	ug/l	99
46) Methyl methacrylate	9.20	41	110483	16.63	ug/l	97
47) n-amyl Acetate	12.07	43	175542	16.46	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	198881	17.72	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	236449	17.93	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	150113	18.73	ug/l	99
51) Ethyl methacrylate	10.43	69	170917	17.57	ug/l	100
52) 1,3-Dichloropropane	10.71	76	243481	18.50	ug/l	99
53) Dibromochloromethane	10.90	129	163515	17.98	ug/l	99
54) 1,2-Dibromoethane	11.01	107	143702	18.31	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	427142	97.02	ug/l	99
56) Bromoform	12.13	173	108802	16.94	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	821614	112.14	ug/l	98
59) 2-Hexanone	10.75	43	529734	105.98	ug/l	99
61) Tetrachloroethene	10.63	164	165386	19.39	ug/l	99
62) Toluene	10.16	91	691913	19.26	ug/l	100
64) Chlorobenzene	11.44	112	427320	19.62	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	163555	19.25	ug/l	100
66) Ethyl Benzene	11.51	91	690077	18.80	ug/l	100
67) m/p-Xylenes	11.62	106	552328	39.09	ug/l	98
68) o-Xylene	11.95	106	258177	19.21	ug/l	99
69) Styrene	11.97	104	422350	19.60	ug/l	99
70) Isopropylbenzene	12.25	105	693926	19.38	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	184166	18.74	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	140311m	16.71	ug/l	
73) Bromobenzene	12.53	156	181513	19.03	ug/l	100
74) n-propylbenzene	12.59	91	774397	18.57	ug/l	99
75) 2-Chlorotoluene	12.68	91	479064	19.13	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	568033	19.32	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	38045	13.86	ug/l	90
78) 4-Chlorotoluene	12.77	91	470824	18.97	ug/l	98
79) tert-butylbenzene	12.99	119	480317	19.11	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	579642	19.46	ug/l	100
81) sec-Butylbenzene	13.17	105	631156	18.48	ug/l	100
82) p-Isopropyltoluene	13.29	119	539759	18.52	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	313014	18.85	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	298294	19.01	ug/l	98
85) n-Butylbenzene	13.62	91	400577	16.94	ug/l	99
86) Hexachloroethane	13.88	117	92832	15.94	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	311720	19.20	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	26893	17.56	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	134659	17.37	ug/l	99
90) Hexachlorobutadiene	15.01	225	90380	17.68	ug/l	99
91) Naphthalene	15.14	128	281194	19.21	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	136968	17.37	ug/l	98

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QLast Update : Thu Jul 26 15:21:50 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

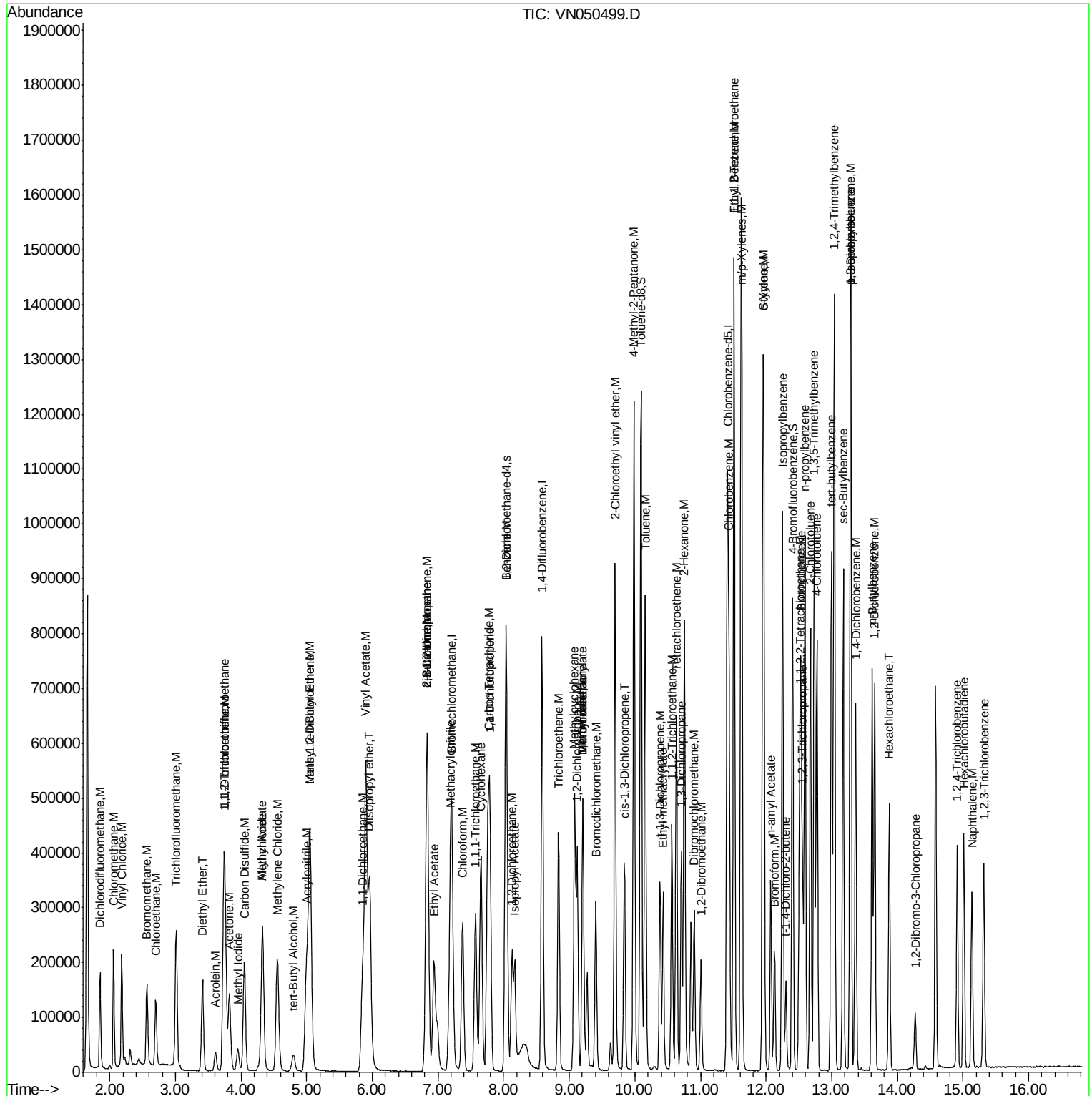
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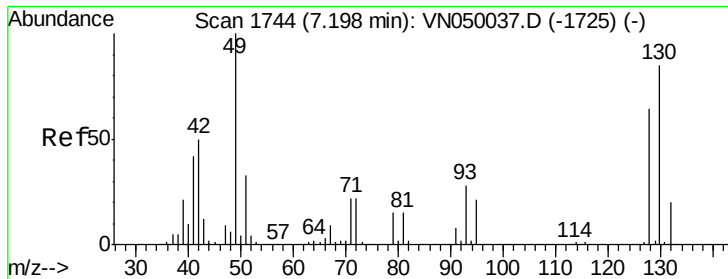
Instrument :
 MSVOA_N
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Manual Integrations
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

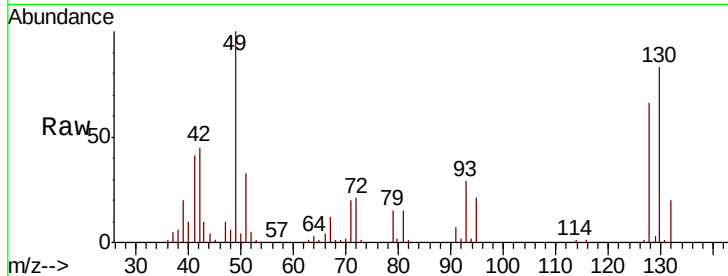
ClientSampled :

VSTDCCC020

Tot Ion:	128	Resp:	135010
Ion	Ratio	Lower	Upper
128	100		
49	150.1	0.0	378.3
130	127.8	0.0	320.7

Manual Integrations
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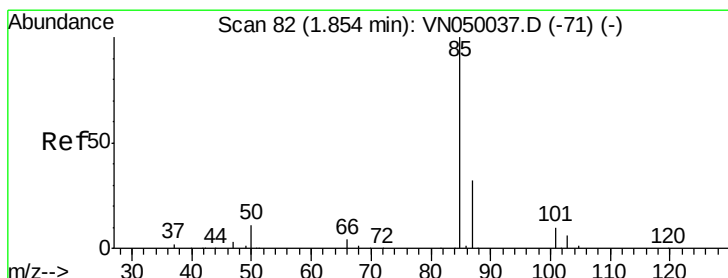
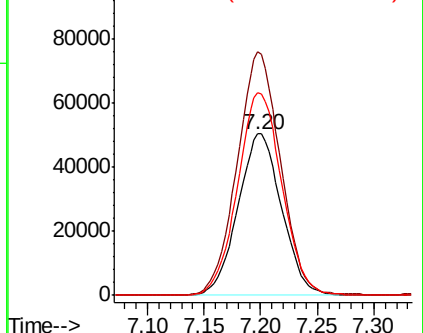
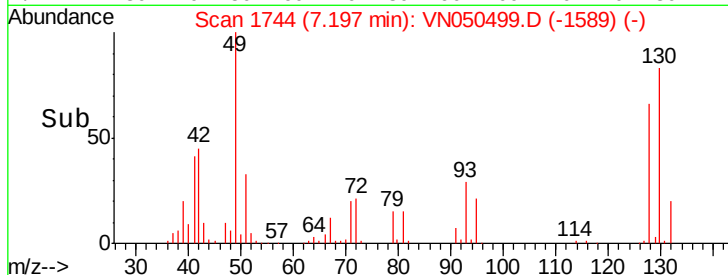
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VNO

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 14.69 ug/l

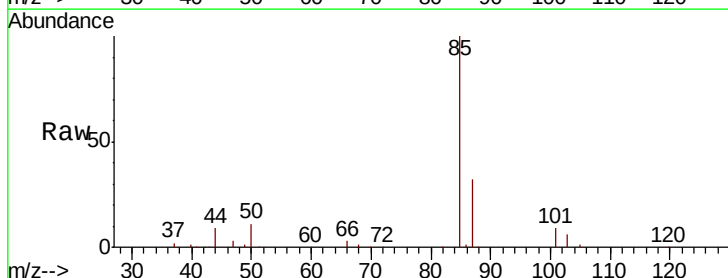
RT: 1.85 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN050499.D

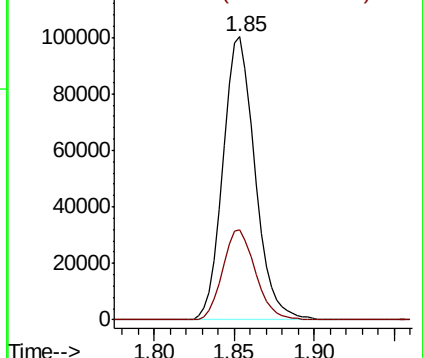
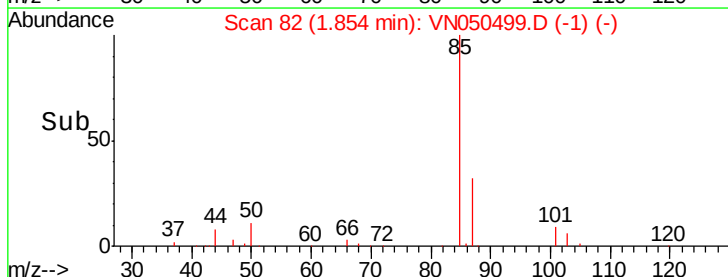
Acq: 9 Aug 2018 21:13

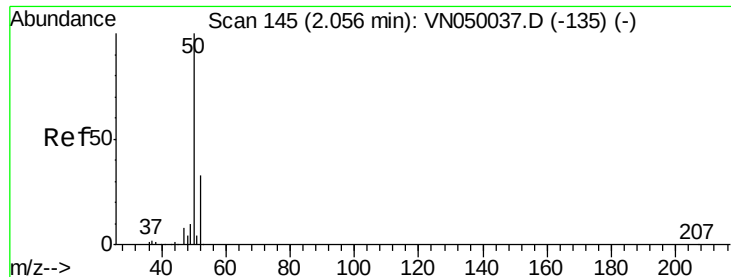
Tgt Ion:	85	Resp:	136703
Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.4	46.4



Abundance Ion 85.00 (84.70 to 85.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 17.88 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 50 Resp: 171536

Ion Ratio Lower Upper

50 100

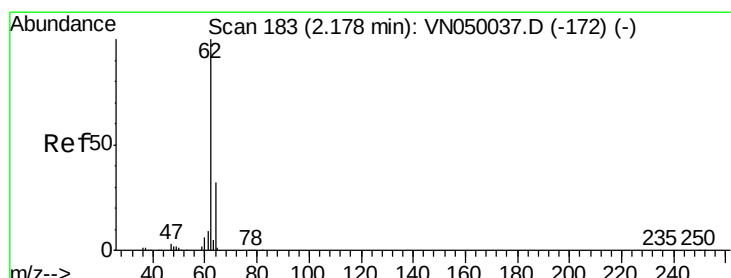
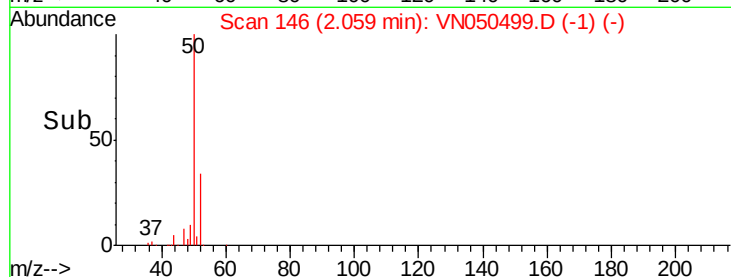
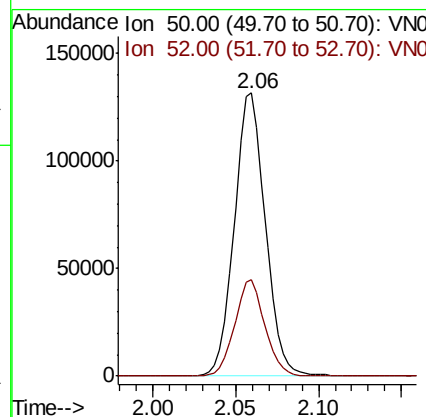
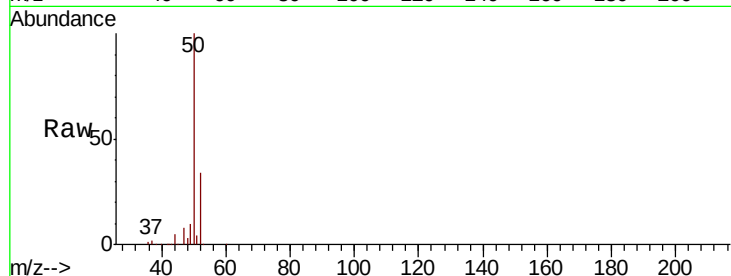
52 34.1 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 17.76 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050499.D

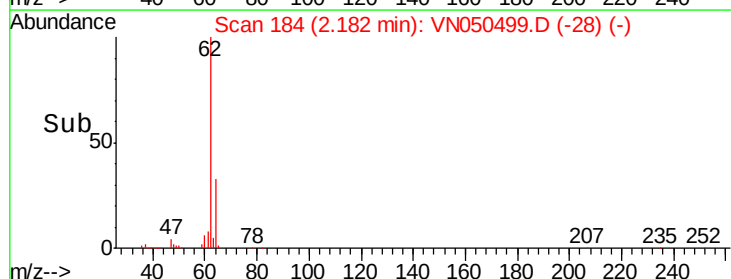
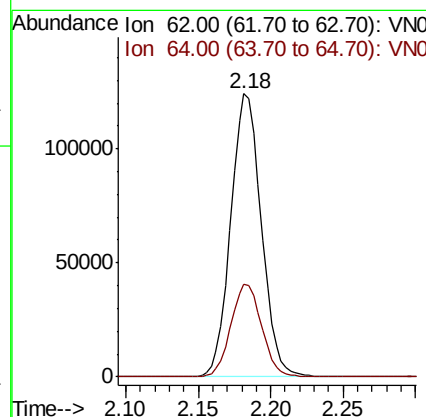
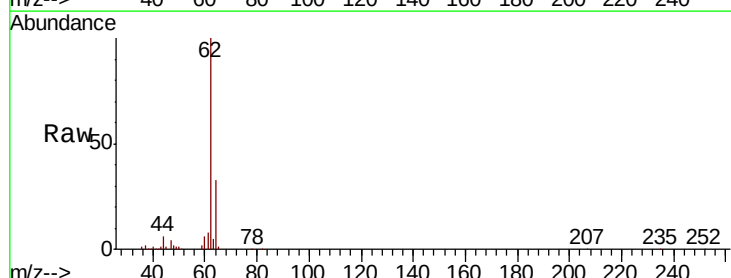
Acq: 9 Aug 2018 21:13

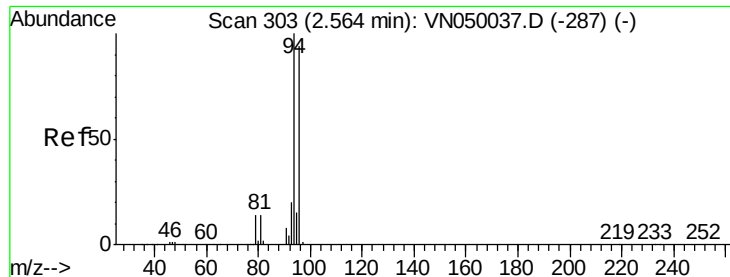
Tgt Ion: 62 Resp: 181423

Ion Ratio Lower Upper

62 100

64 32.5 24.4 36.6





#5

Bromomethane

Concen: 16.38 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 94 Resp: 101980

Ion Ratio Lower Upper

94 100

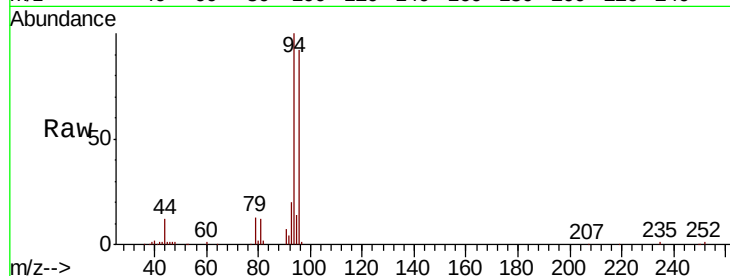
96 92.5 75.9 113.9

Manual Integrations

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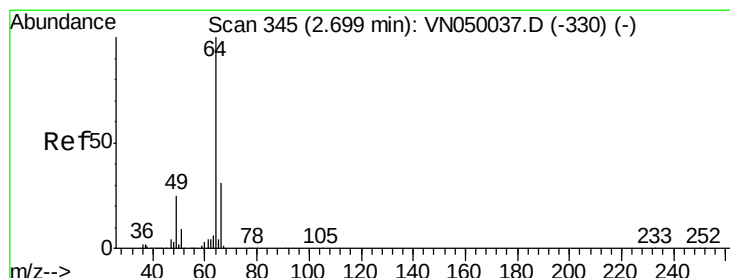
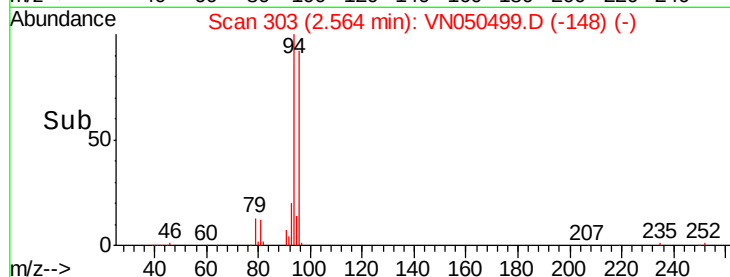
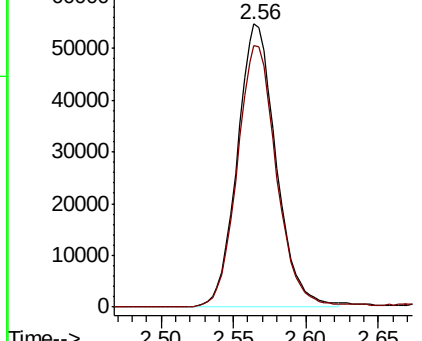
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.85 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050499.D

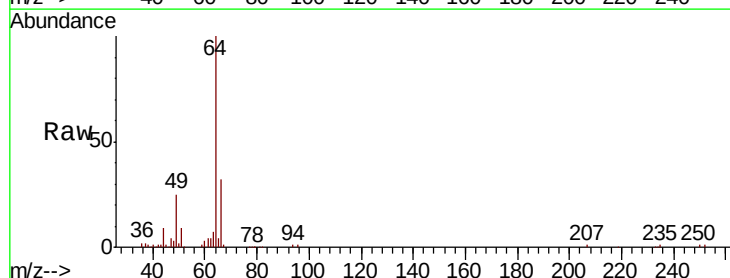
Acq: 9 Aug 2018 21:13

Tgt Ion: 64 Resp: 113822

Ion Ratio Lower Upper

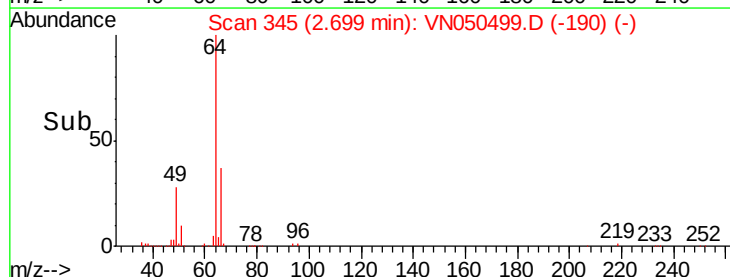
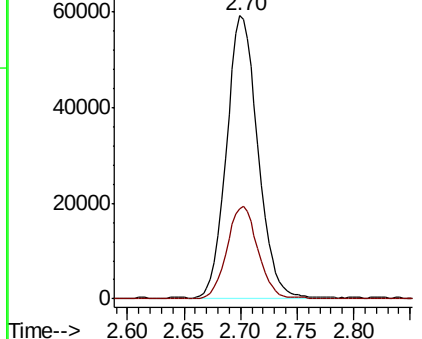
64 100

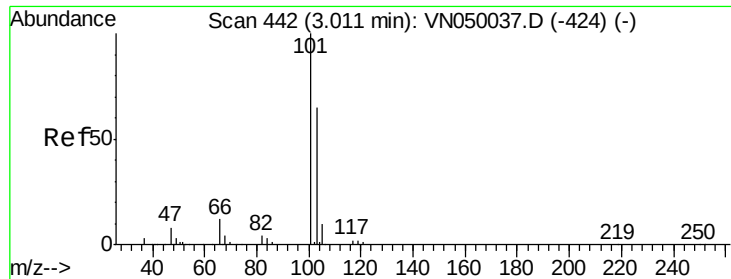
66 32.1 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

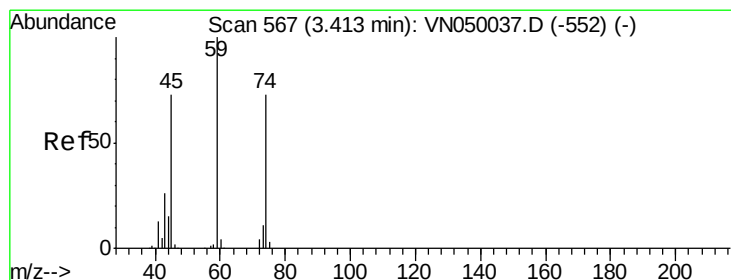
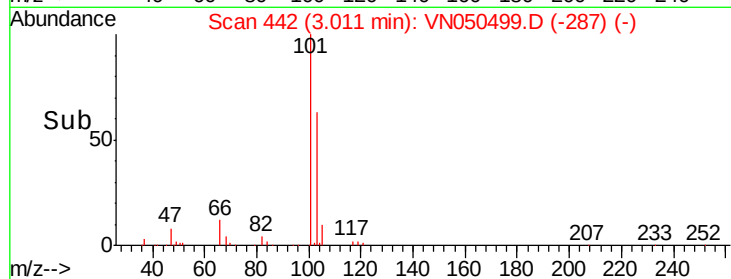
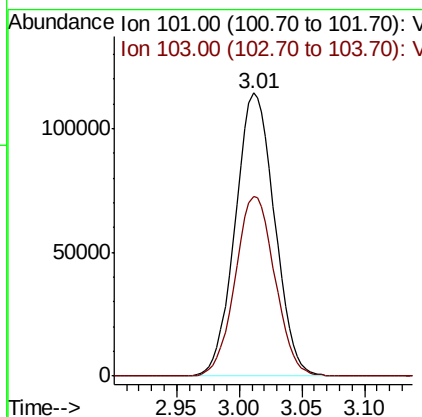
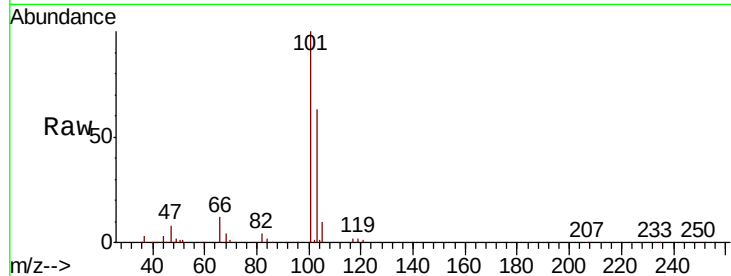
Trichlorofluoromethane
 Concen: 18.66 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.5	77.3

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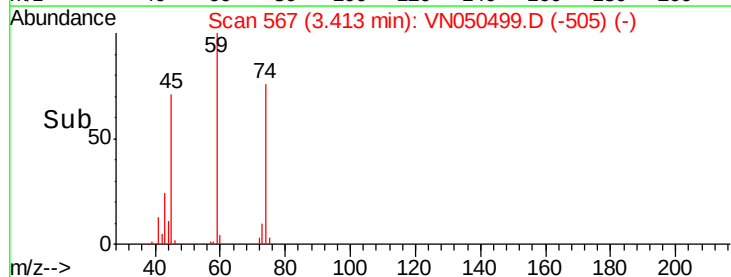
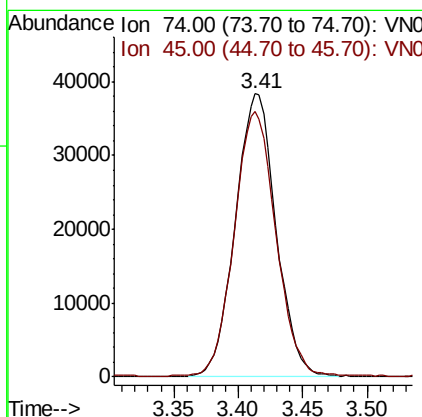
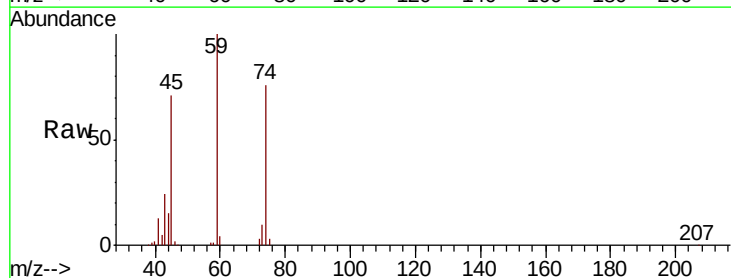
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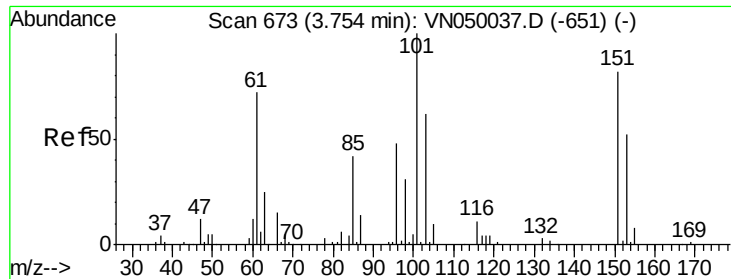


#8

Diethyl Ether
 Concen: 18.83 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.6	18.7	167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.85 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

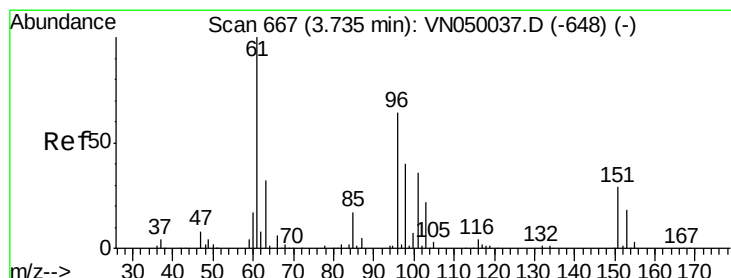
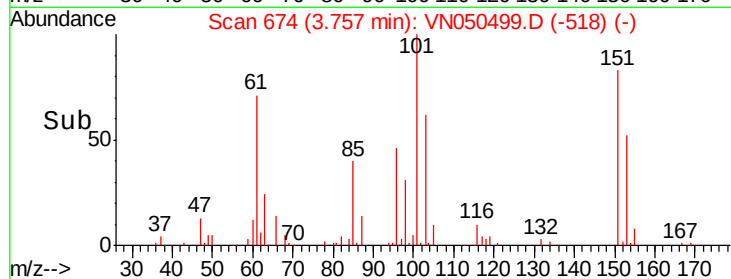
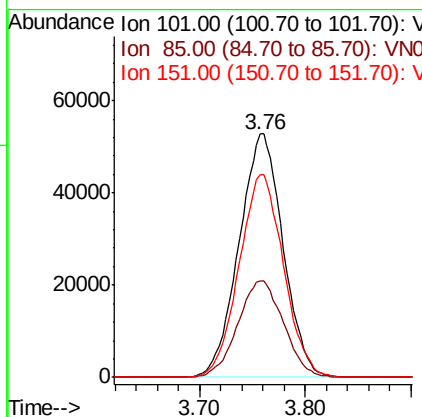
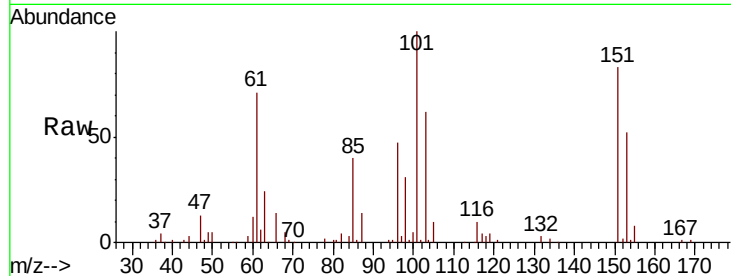
ClientSampleId :

VSTDCCC020

Tot Ion:	101	Resp:	153046
Ion Ratio	Lower	Upper	
101	100		
85	41.1	0.0	83.0
151	84.2	0.0	166.8

Manual Integrations
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MMDadoda
8/10/2018 10:53:00 AM



#10

1,1-Dichloroethene

Concen: 19.03 ug/l

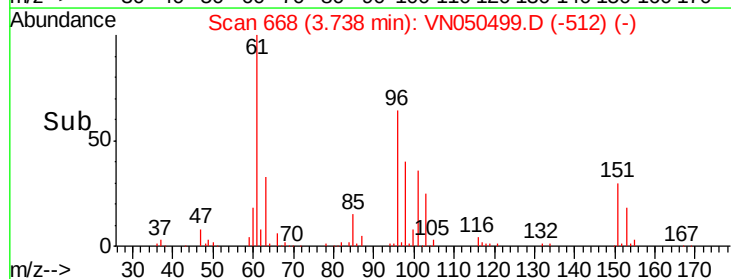
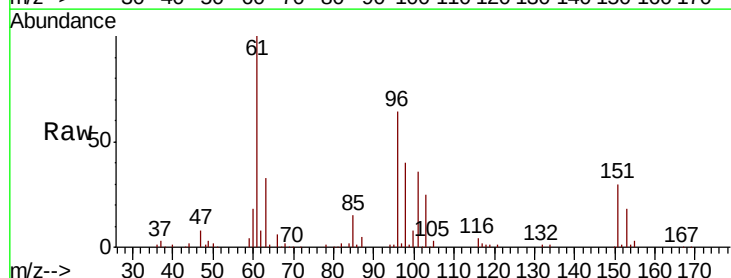
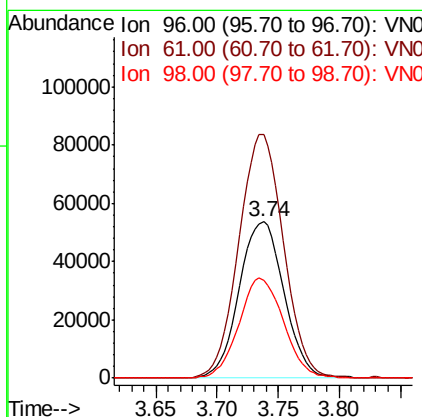
RT: 3.74 min Scan# 668

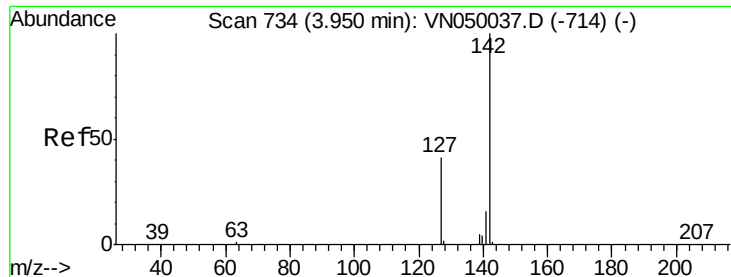
Delta R.T. 0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Tgt Ion:	96	Resp:	136985
Ion Ratio	Lower	Upper	
96	100		
61	155.4	130.6	195.8
98	62.3	53.5	80.3





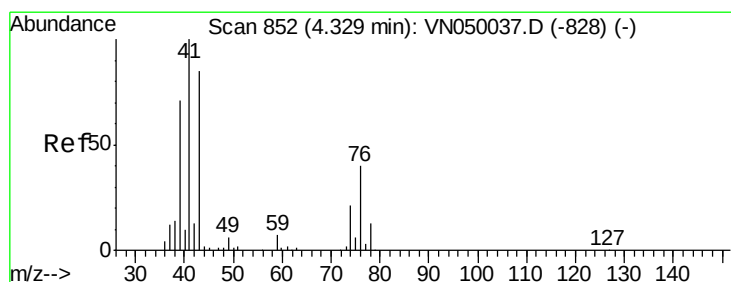
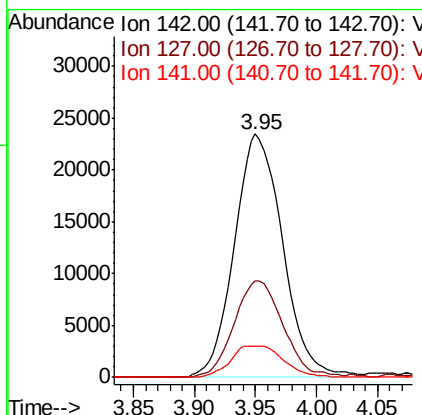
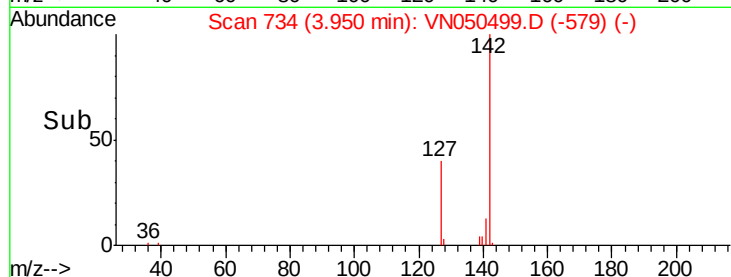
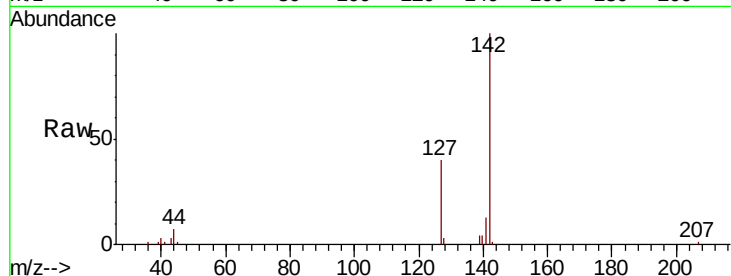
#11
Methyl Iodide
Concen: 6.06 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.7	20.2	60.5
141	13.0	6.9	20.6

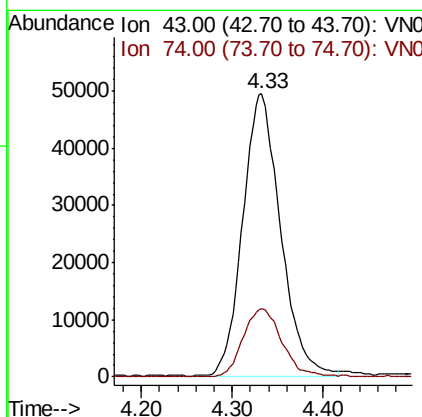
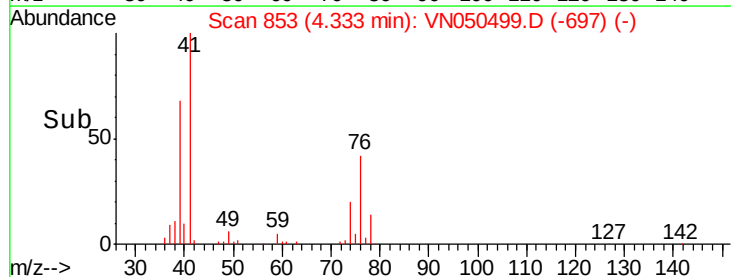
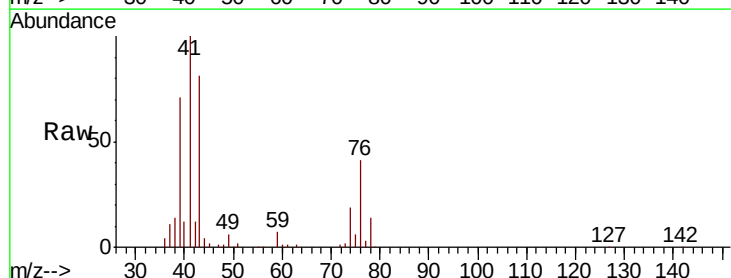
Manual Integrations
APPROVED

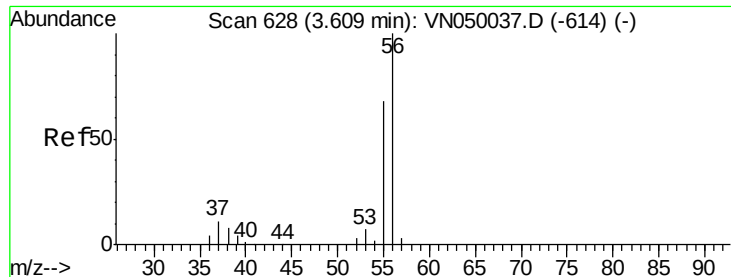
MMDadoda
8/10/2018 10:53:00 AM



#12
Methyl Acetate
Concen: 17.24 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	19.3	28.9





#13

Acrolein

Concen: 78.96 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 56 Resp: 40239

Ion Ratio Lower Upper

56 100

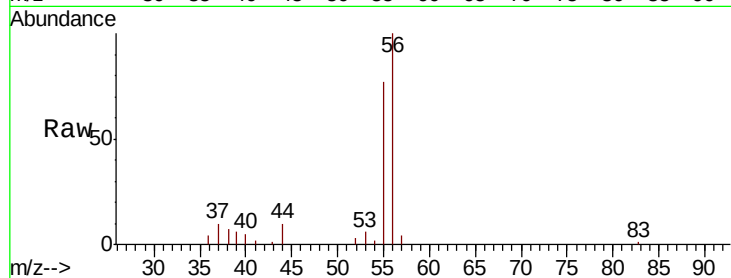
55 73.1 58.6 88.0

Manual Integrations

APPROVED

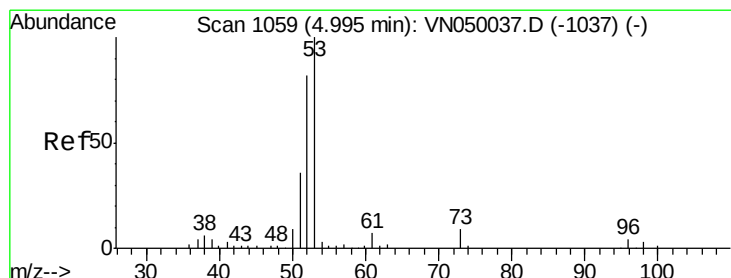
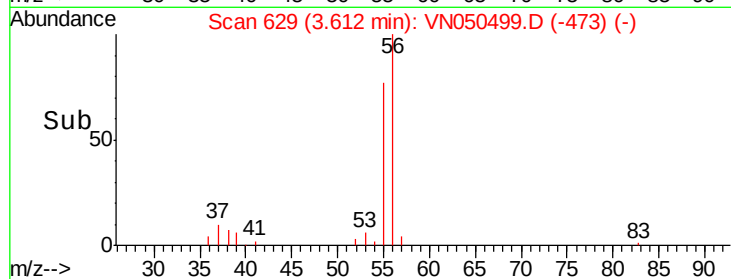
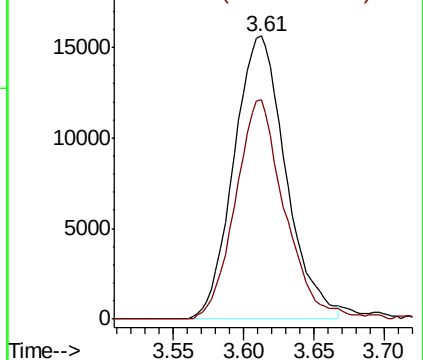
MMDadoda

8/10/2018 10:53:00 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 90.47 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

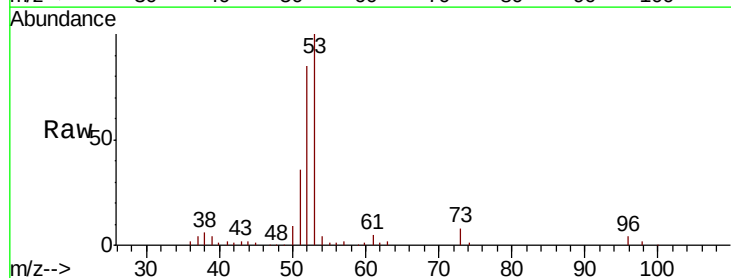
Tgt Ion: 53 Resp: 248934

Ion Ratio Lower Upper

53 100

52 82.7 41.5 124.5

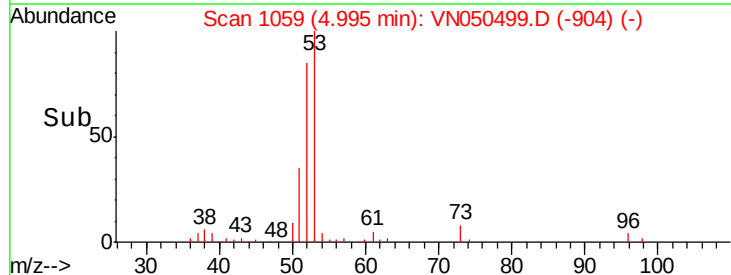
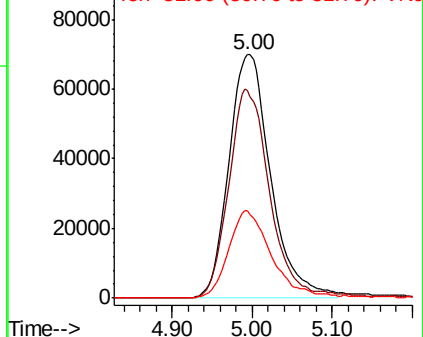
51 36.7 18.7 56.1

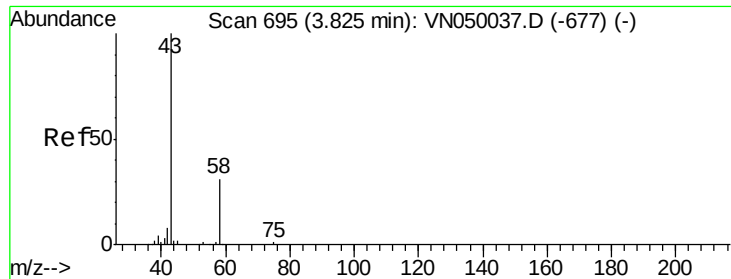


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





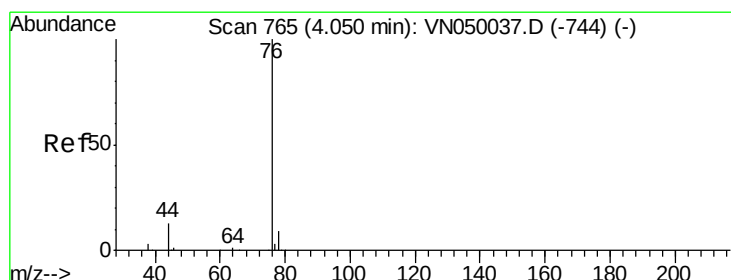
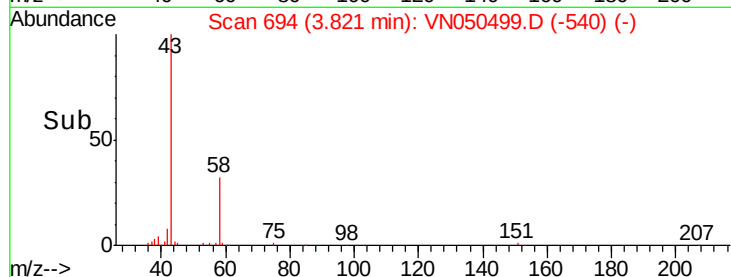
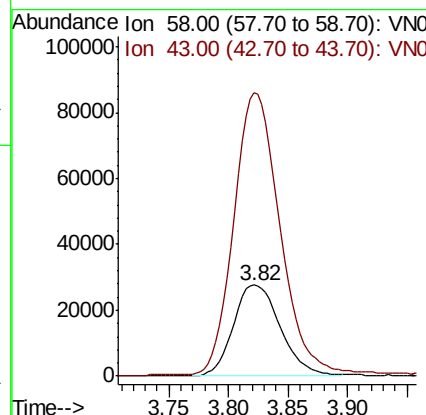
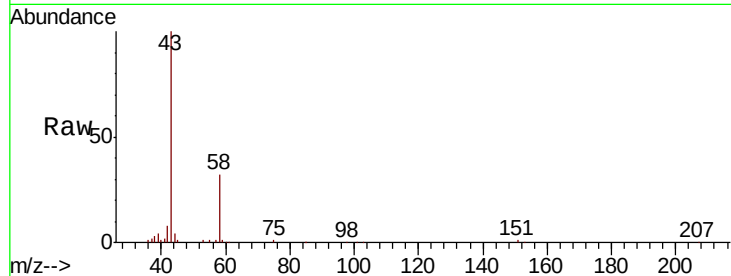
#15
Acetone
Concen: 104.06 ug/l
RT: 3.82 min Scan# 694
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 58 Resp: 76090
Ion Ratio Lower Upper
58 100
43 308.1 252.0 378.0

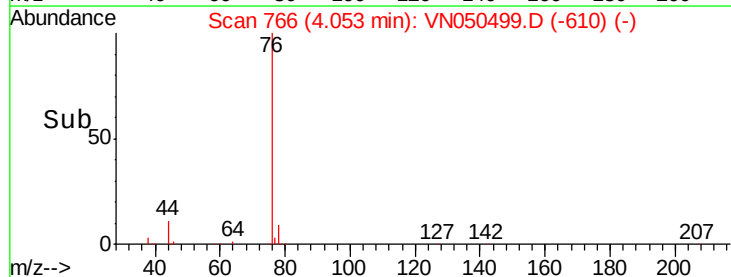
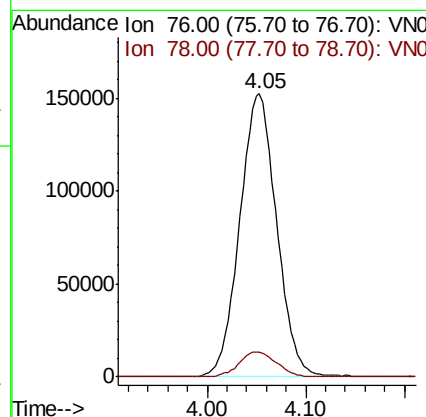
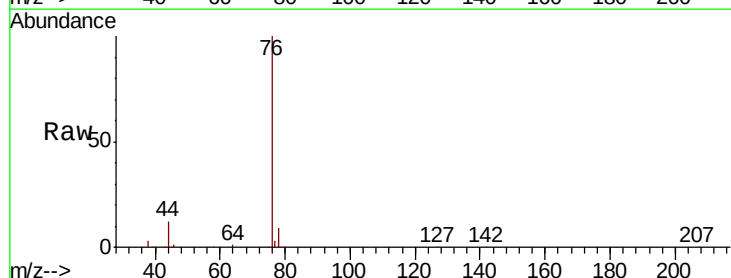
Manual Integrations
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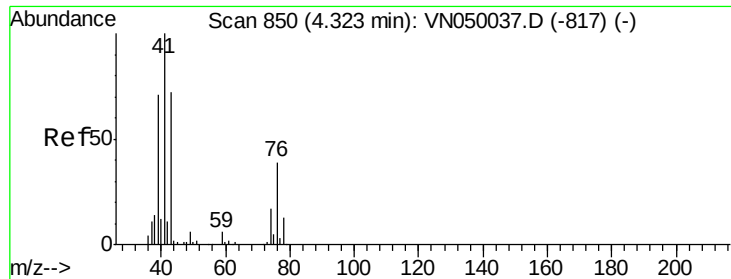
MMDadoda
8/10/2018 10:53:00 AM



#16
Carbon Disulfide
Concen: 17.91 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion: 76 Resp: 394577
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9





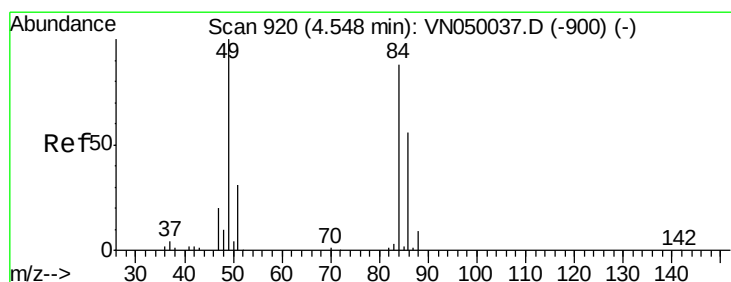
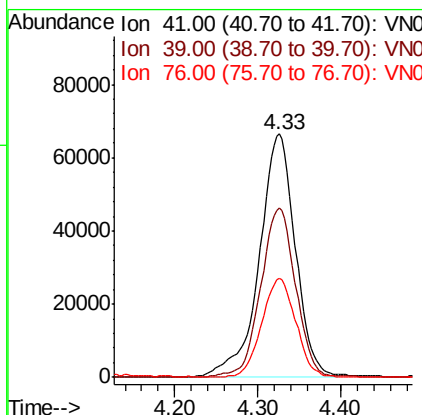
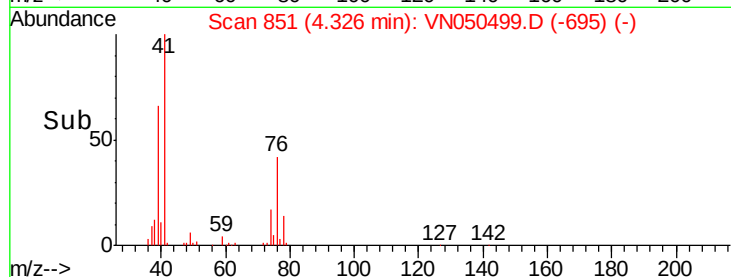
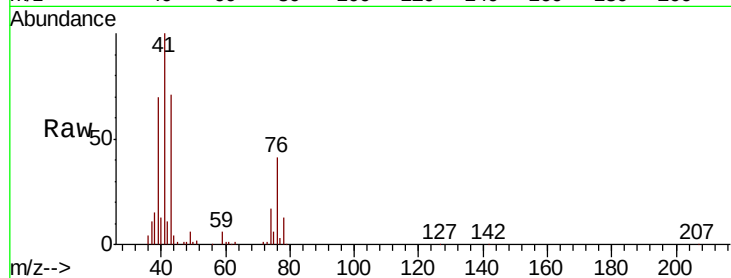
#17
Allvl chloride
Concen: 17.75 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.5	35.4	106.3
76	40.4	19.7	59.1

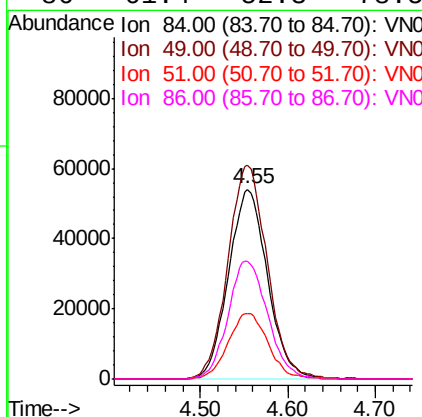
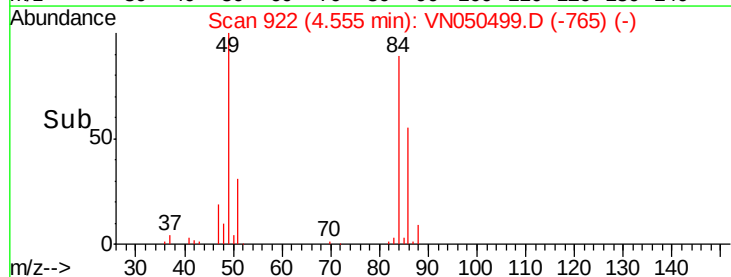
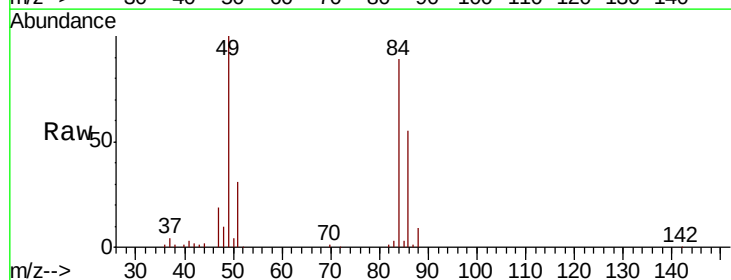
Manual Integrations
APPROVED

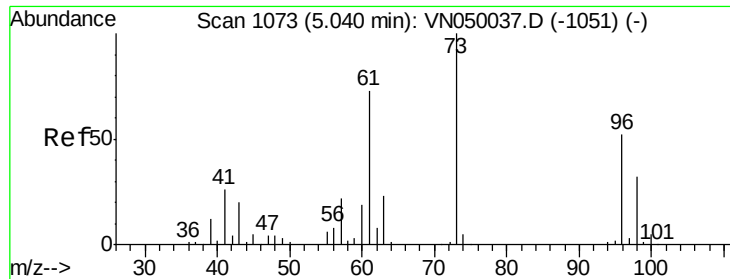
MMDadoda
8/10/2018 10:53:00 AM



#18
Methylene Chloride
Concen: 20.16 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.0	95.1	142.7
51	34.4	28.8	43.2
86	61.4	52.3	78.5





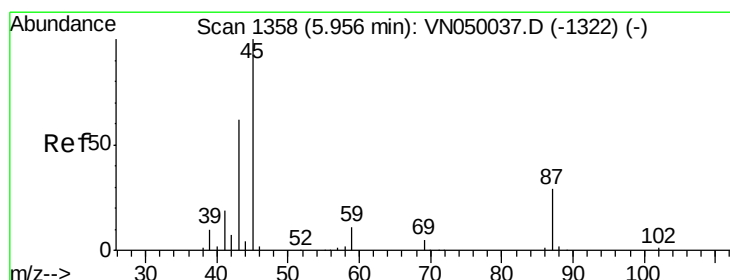
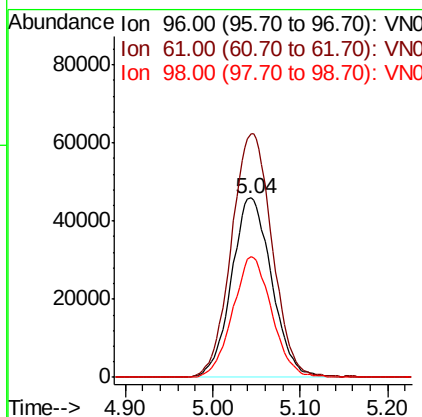
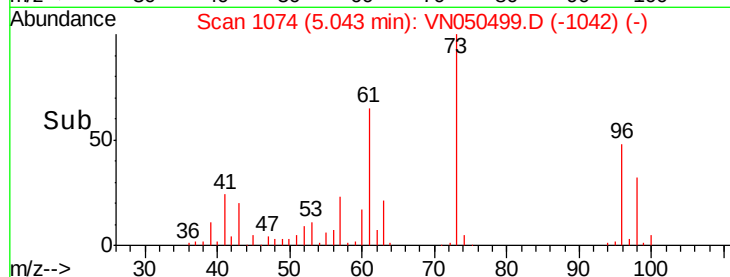
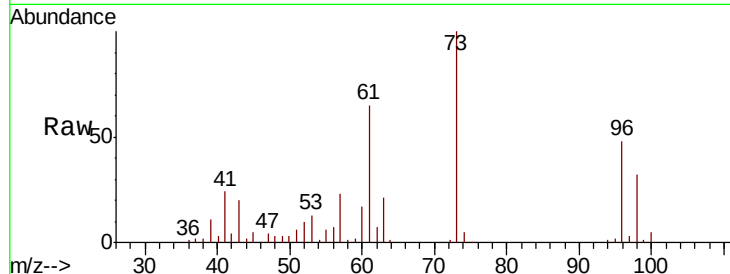
#19
trans-1,2-Dichloroethene
Concen: 19.02 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.1	112.1	168.1
98	67.0	51.3	76.9

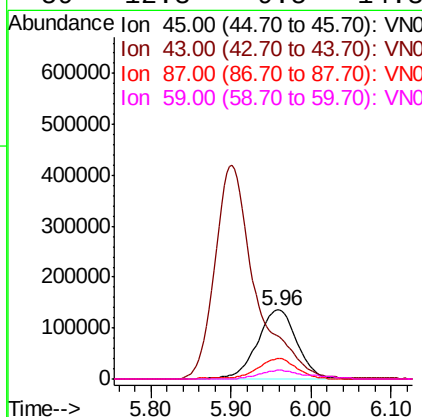
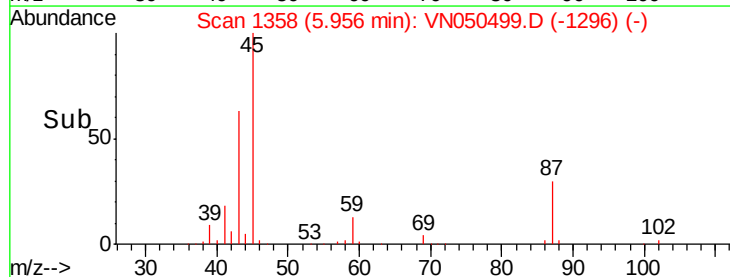
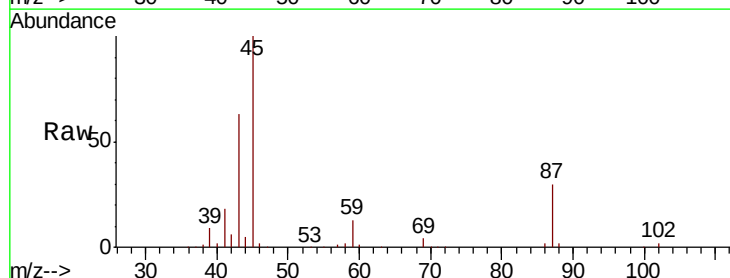
Manual Integrations
APPROVED

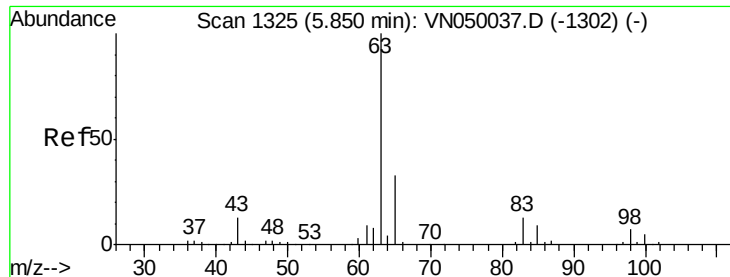
MMDadoda
8/10/2018 10:53:00 AM



#20
Diisopropyl ether
Concen: 19.82 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	60.2	46.6	70.0
87	29.5	22.3	33.5
59	12.3	9.5	14.3





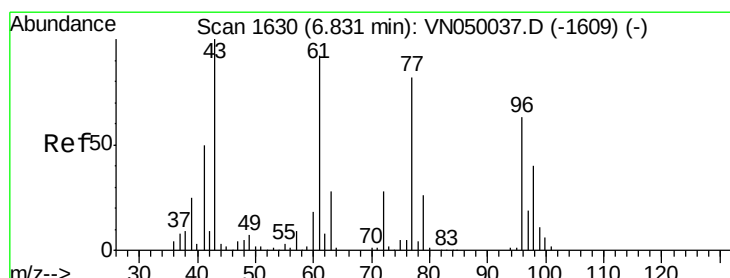
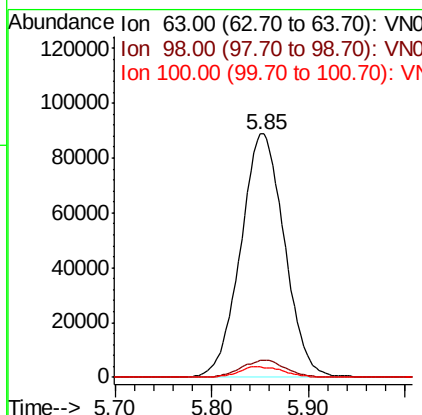
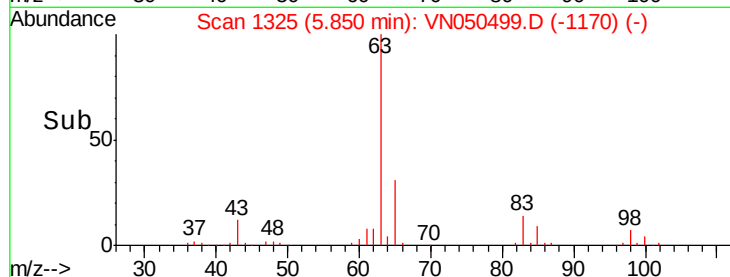
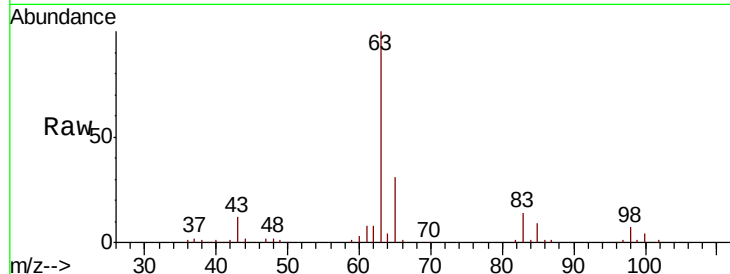
#21
 1,1-Dichloroethane
 Concen: 19.02 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
63	100	278722		
98	6.9		3.5	10.6
100	4.2		2.3	6.8

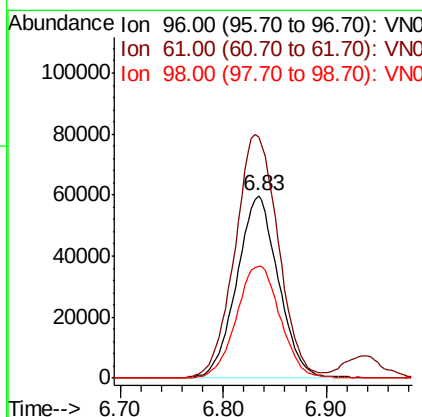
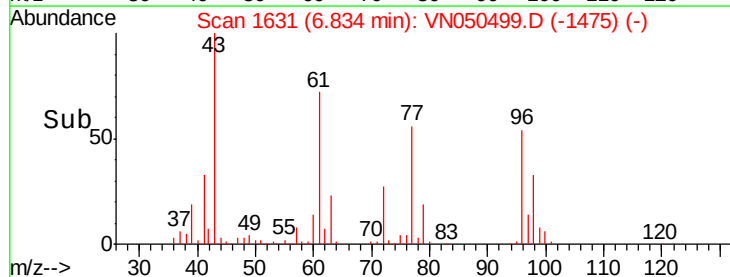
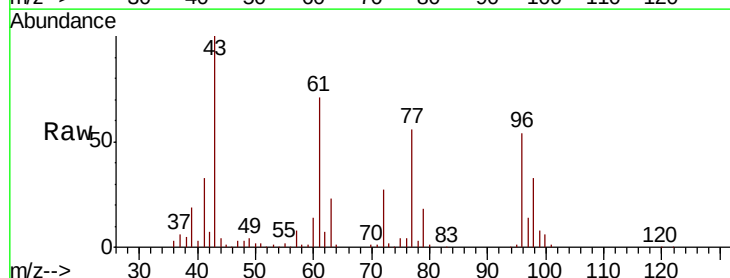
Manual Integrations
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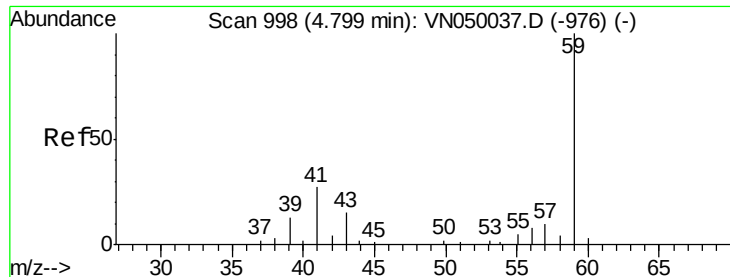
MMDadoda
 8/10/2018 10:53:00 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.60 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	167483		
61	139.5		114.2	171.2
98	64.8		51.7	77.5





#23

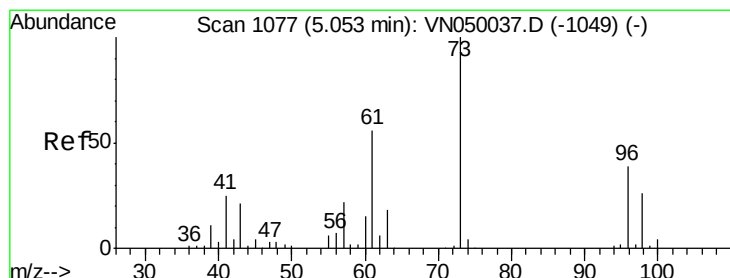
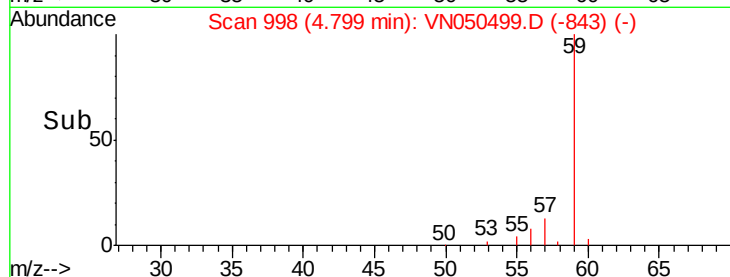
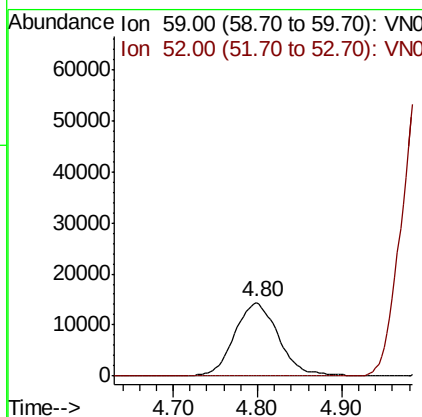
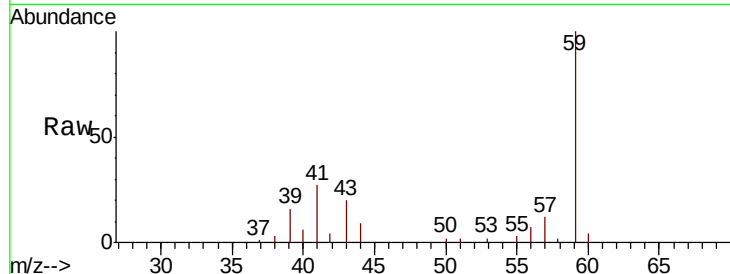
tert-Butyl Alcohol
 Concen: 85.13 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 59 Resp: 52336
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.1 0.1#

Manual Integrations
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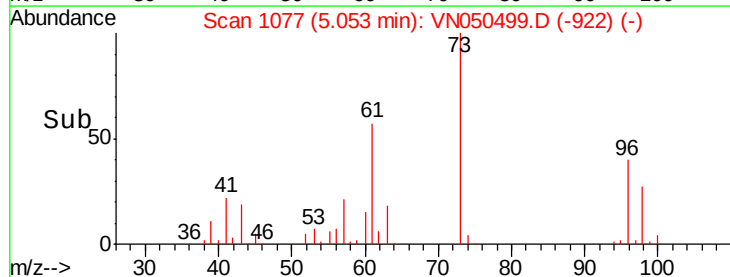
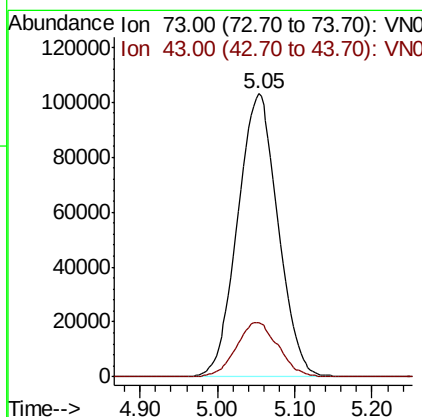
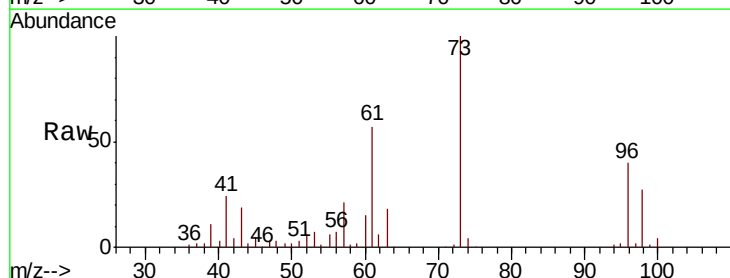
MMDadoda
 8/10/2018 10:53:00 AM

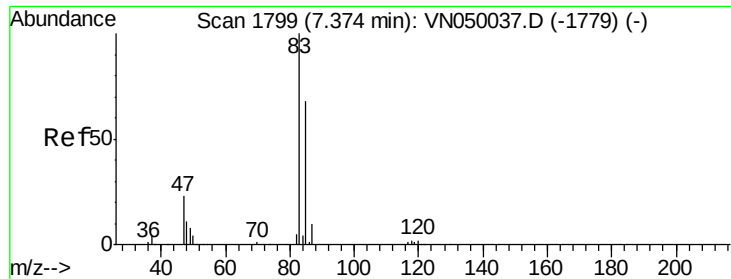


#24

Methyl tert-Butyl Ether
 Concen: 19.12 ug/l
 RT: 5.05 min Scan# 1077
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion: 73 Resp: 375399
 Ion Ratio Lower Upper
 73 100
 43 19.9 15.5 23.3





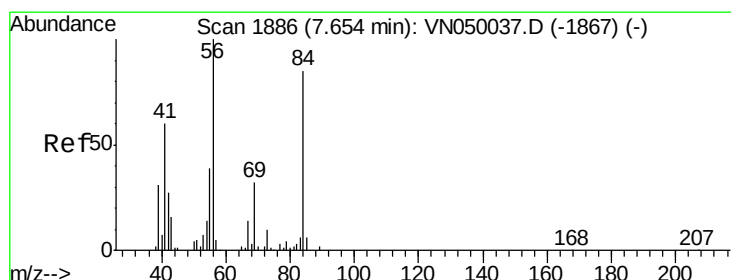
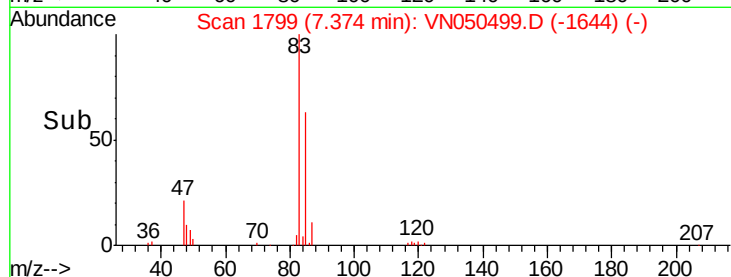
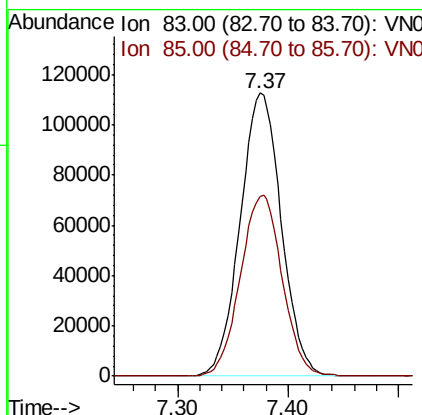
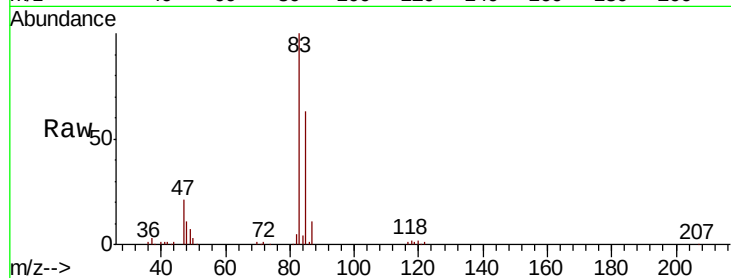
#25
Chloroform
Concen: 19.61 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	83	Resp	290978
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	52.1	78.1

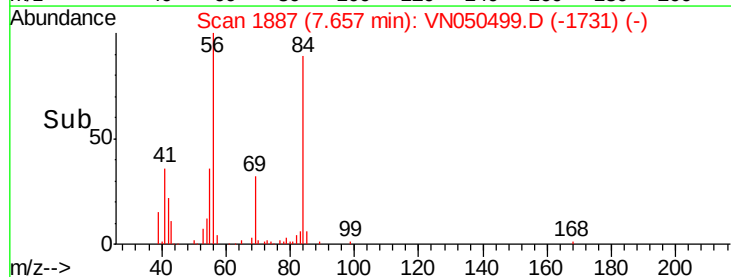
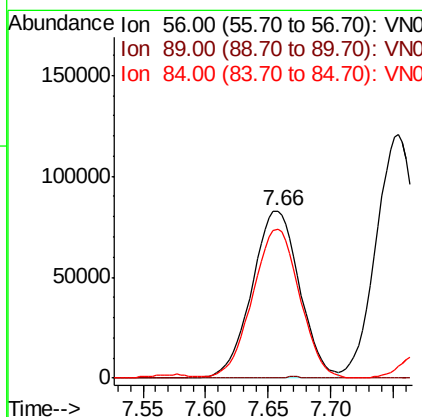
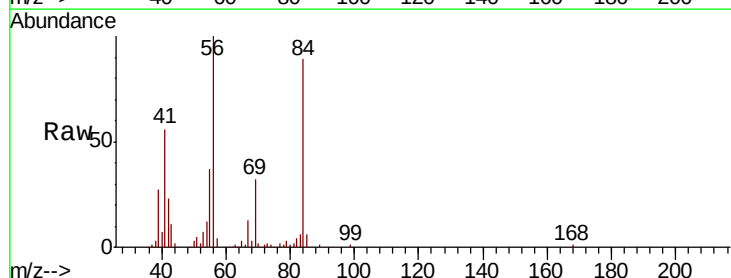
Manual Integrations
APPROVED

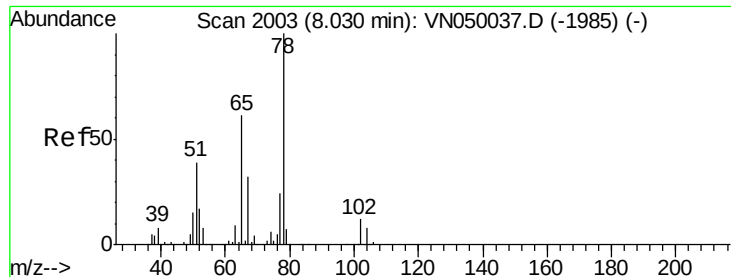
MMDadoda
8/10/2018 10:53:00 AM



#26
Cyclohexane
Concen: 18.82 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion	56	Resp	219184
Ion Ratio	100	Lower	Upper
56	100		
89	0.2	3.0	4.4#
84	88.5	69.8	104.8





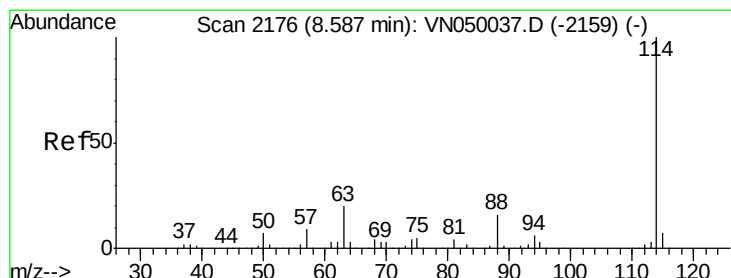
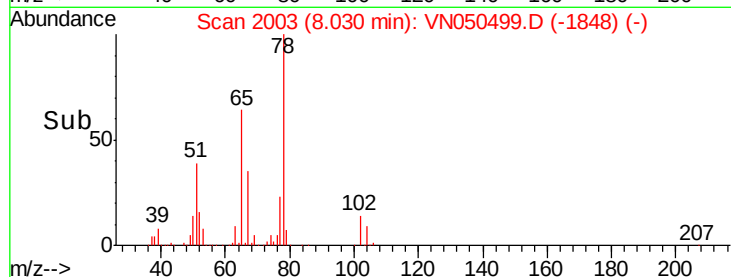
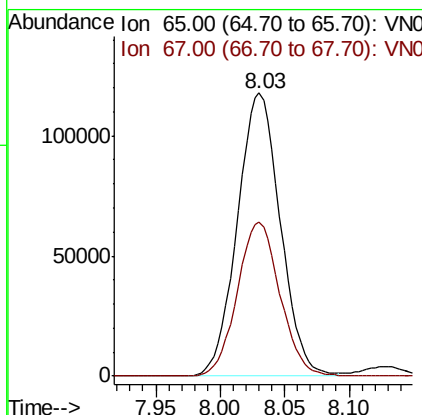
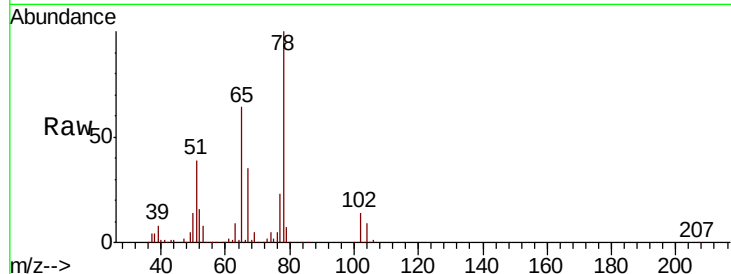
#27
 1,2-Dichloroethane-d4
 Concen: 29.82 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion: 65 Resp: 273678
 Ion Ratio Lower Upper
 65 100
 67 53.9 42.7 64.1

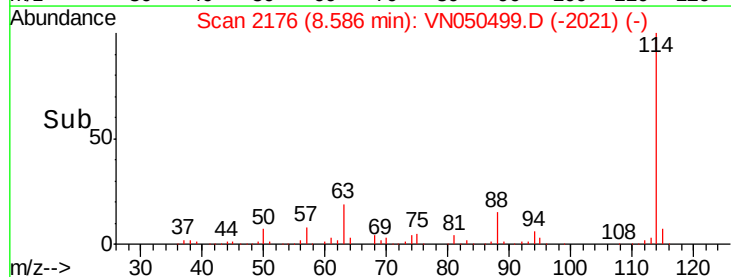
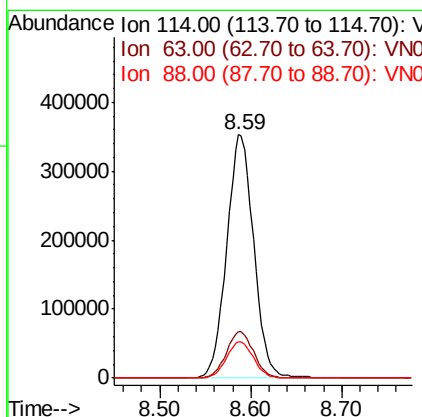
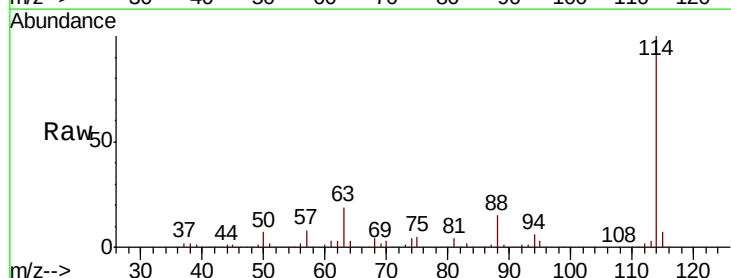
Manual Integrations
 APPROVED

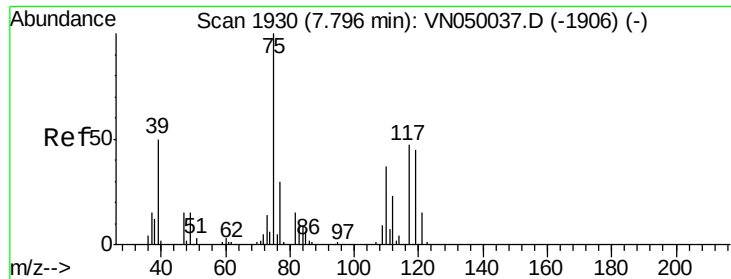
MMDadoda
 8/10/2018 10:53:00 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion: 114 Resp: 727618
 Ion Ratio Lower Upper
 114 100
 63 19.3 16.2 24.2
 88 14.9 12.3 18.5





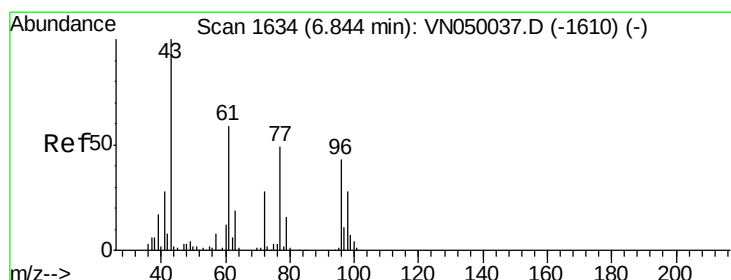
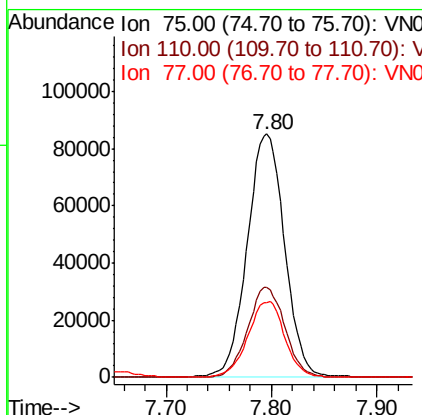
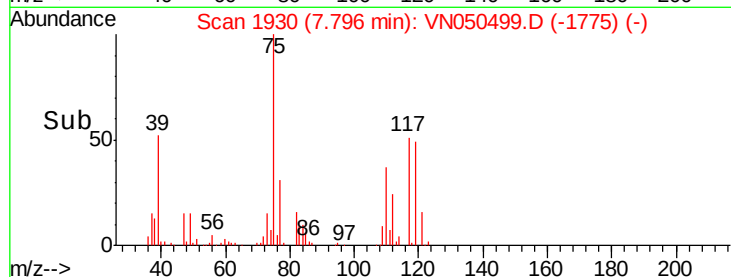
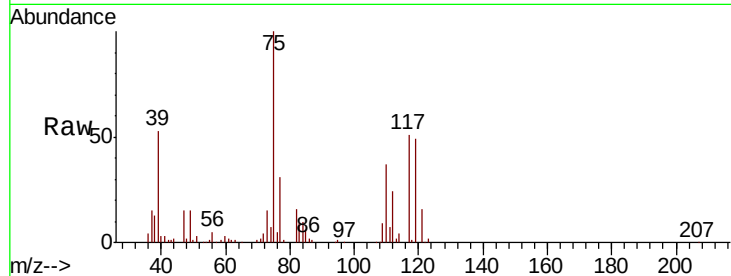
#29
 1,1-Dichloropropene
 Concen: 18.64 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.7	0.0	73.2
77	30.8	0.0	62.0

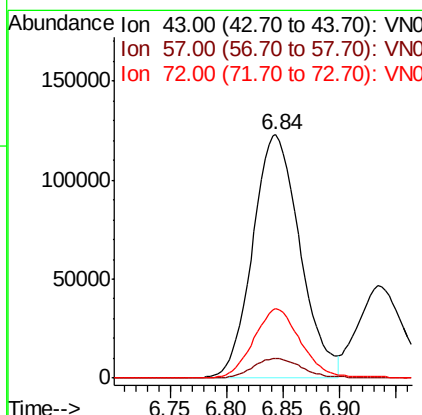
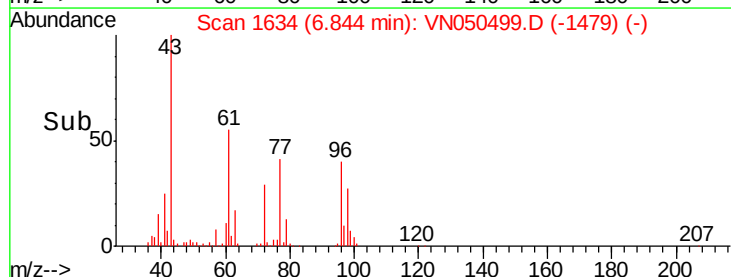
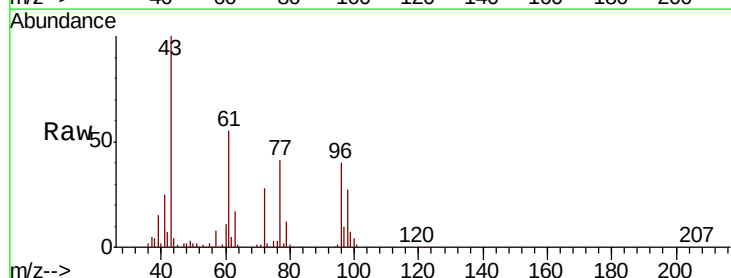
Manual Integrations
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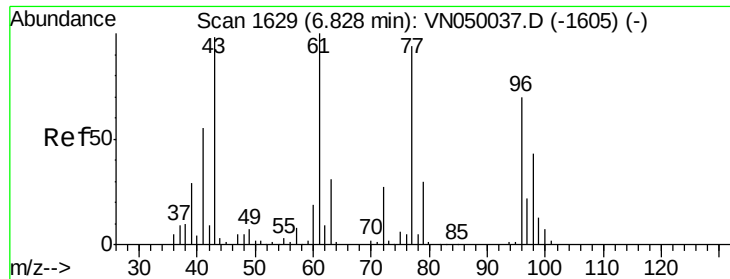
MMDadoda
 8/10/2018 10:53:00 AM



#30
 2-Butanone
 Concen: 100.33 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.8	10.2
72	28.4	21.4	32.0





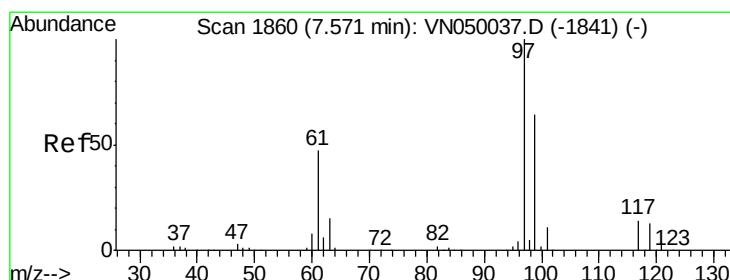
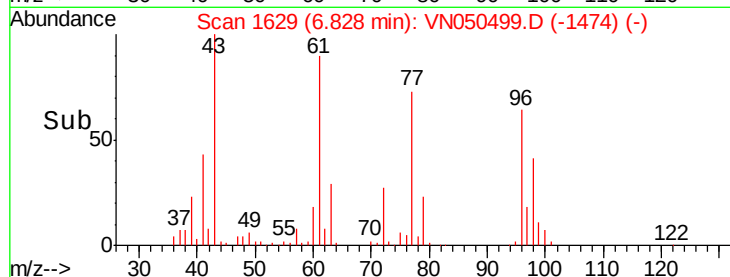
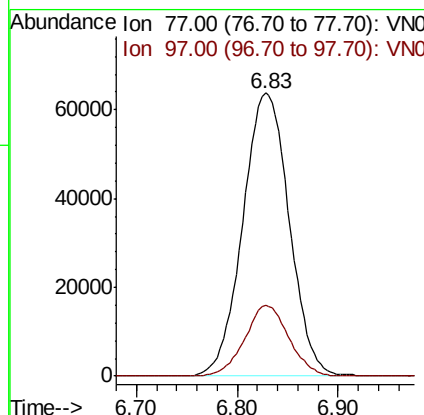
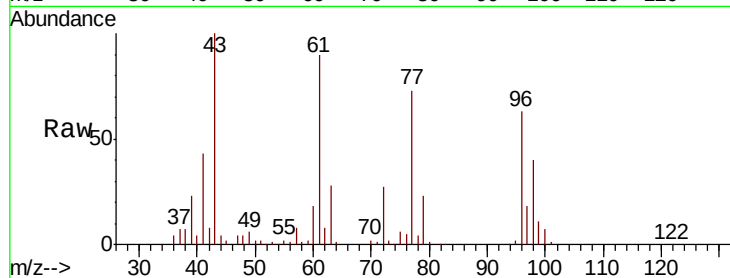
#31
 2,2-Dichloropropane
 Concen: 16.31 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion: 77 Resp: 203594
 Ion Ratio Lower Upper
 77 100
 97 23.8 18.9 28.3

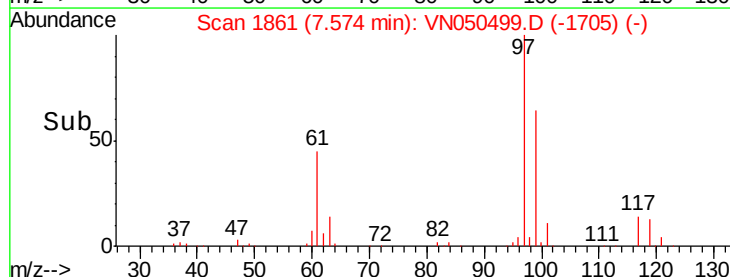
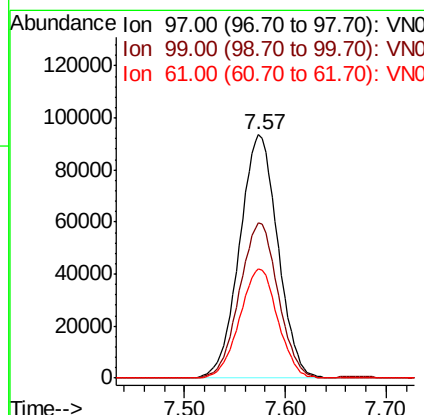
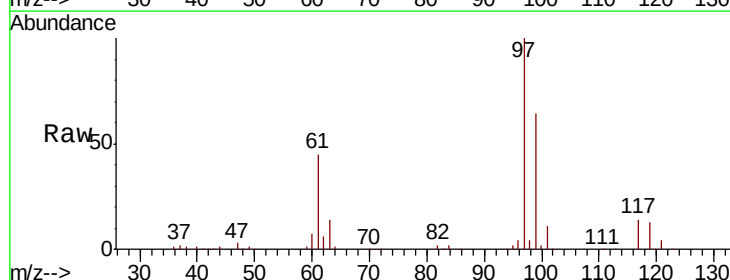
Manual Integrations
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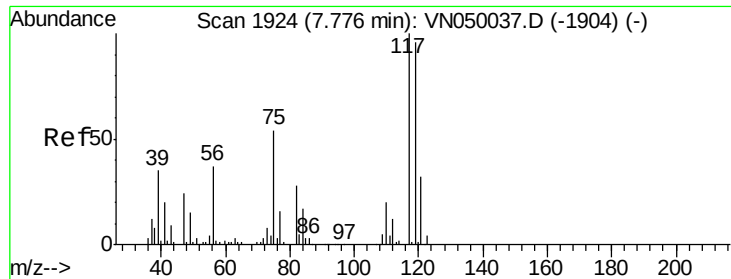
MMDadoda
 8/10/2018 10:53:00 AM



#32
 1,1,1-Trichloroethane
 Concen: 18.47 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion: 97 Resp: 245517
 Ion Ratio Lower Upper
 97 100
 99 64.3 51.2 76.8
 61 44.6 35.3 52.9





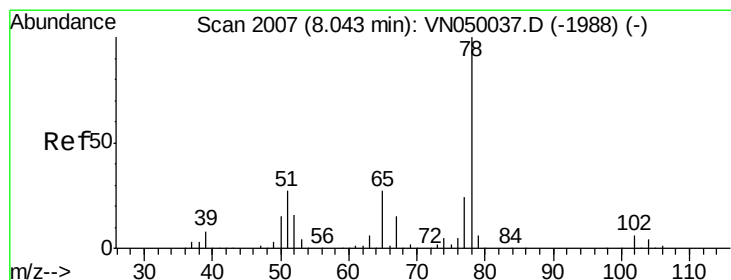
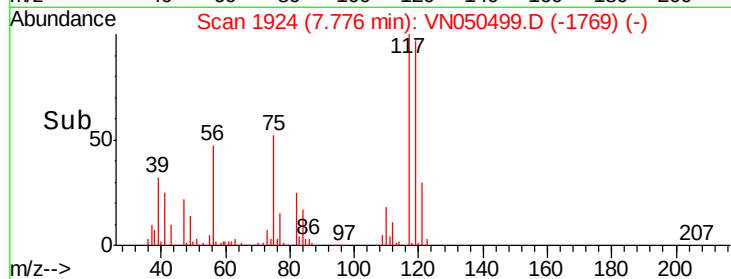
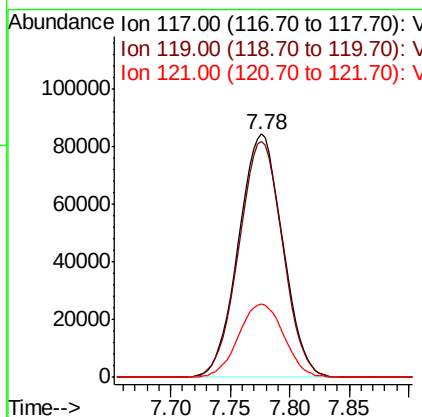
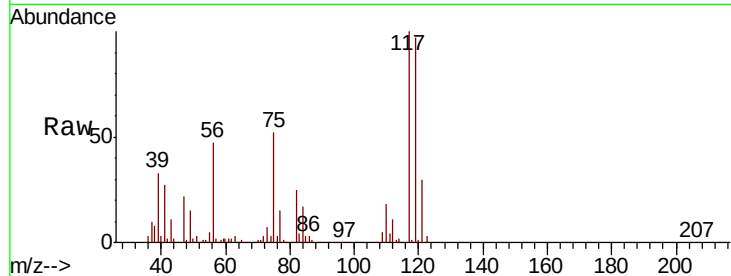
#33
Carbon Tetrachloride
Concen: 18.28 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.9	115.3
121	30.3	24.4	36.6

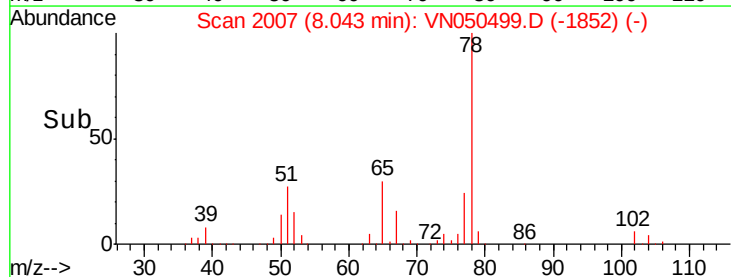
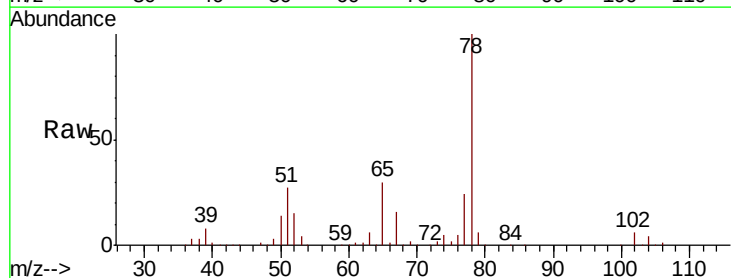
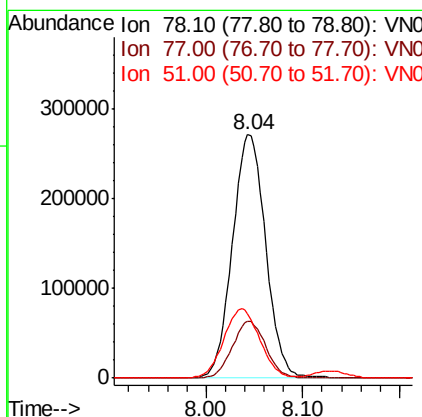
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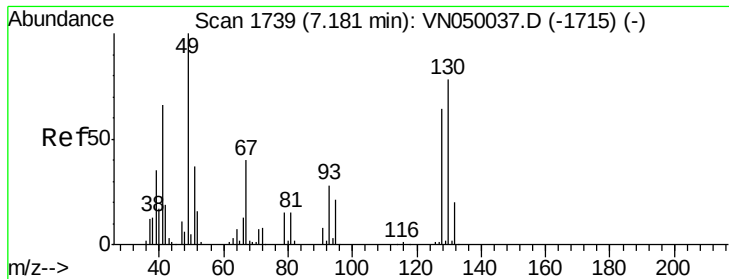
MMDadoda
8/10/2018 10:53:00 AM



#34
Benzene
Concen: 18.91 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7
51	26.4	21.0	31.4





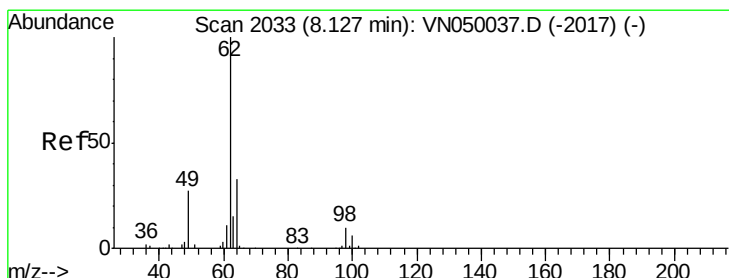
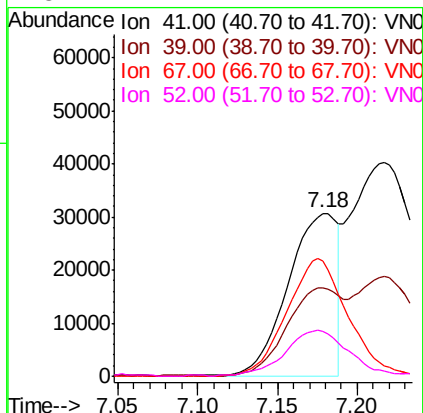
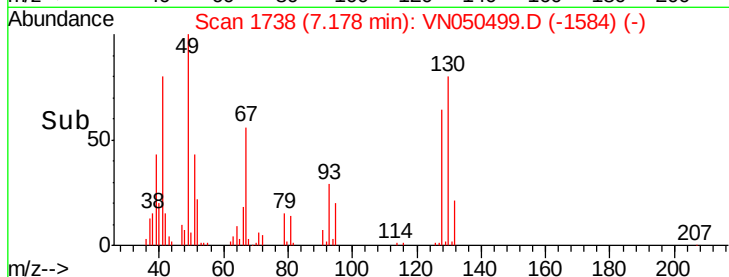
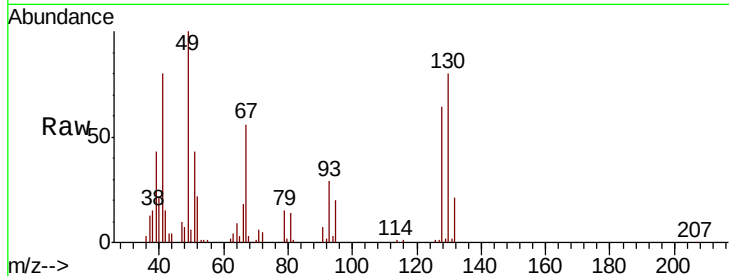
#35
Methacrylonitrile
Concen: 16.50 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.3	27.6	82.7	
67	70.9	35.1	105.5	
52	27.1	14.1	42.4	

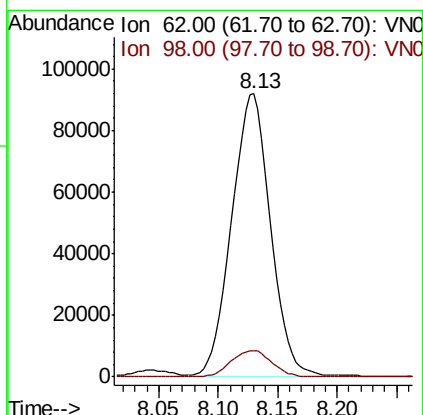
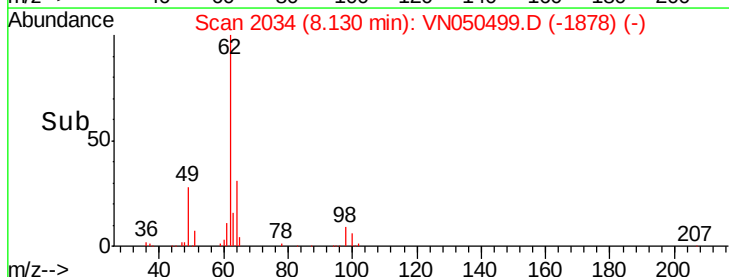
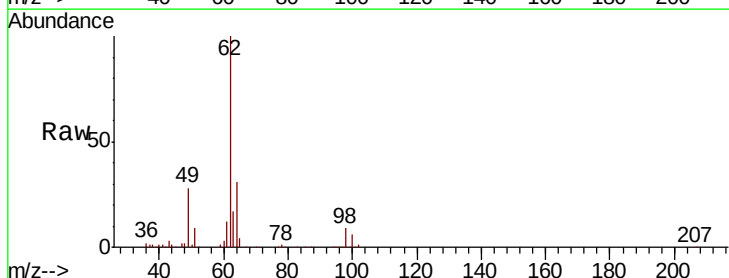
Manual Integrations
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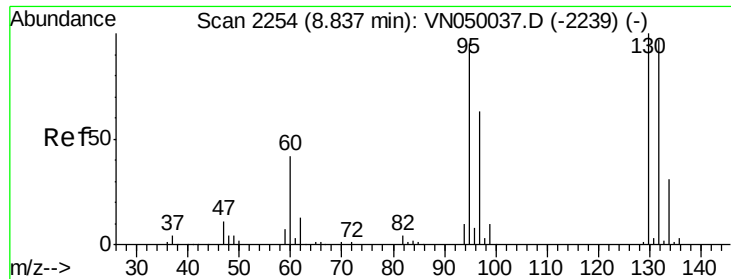
MMDadoda
8/10/2018 10:53:00 AM



#36
1,2-Dichloroethane
Concen: 18.52 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.7	7.8	11.6	





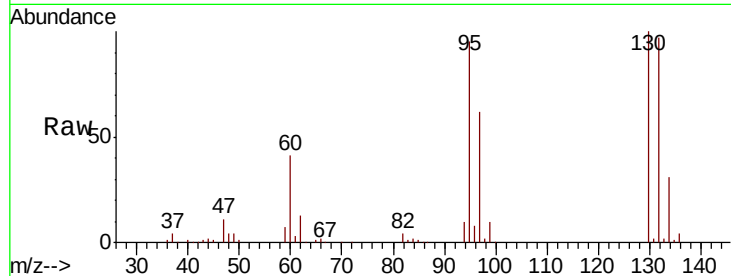
#37
 Trichloroethene
 Concen: 18.98 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

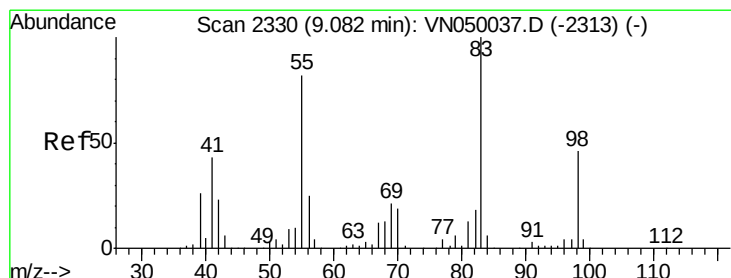
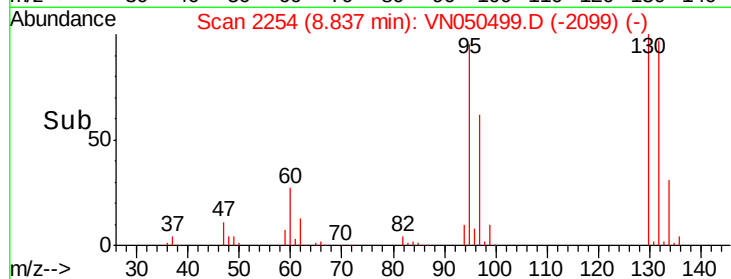
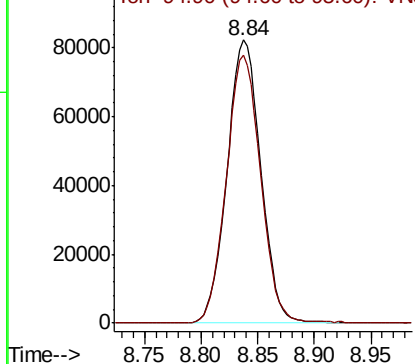
Tot Ion:130 Resp: 170719
 Ion Ratio Lower Upper
 130 100
 95 94.7 79.7 119.5

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 8/10/2018 10:53:00 AM

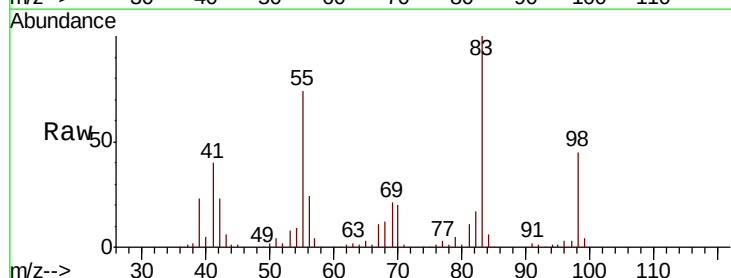


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

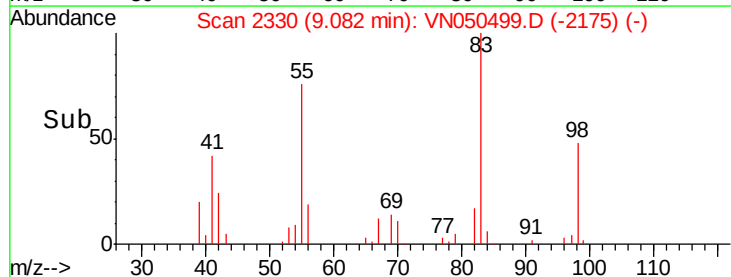
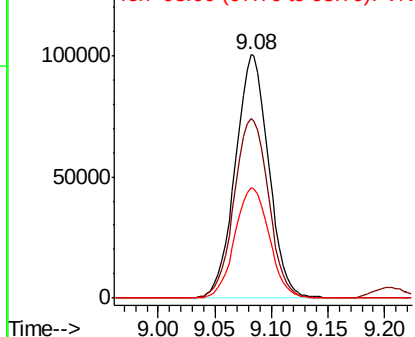


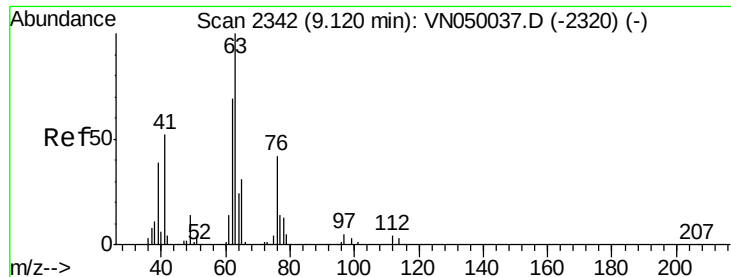
#38
 Methylcyclohexane
 Concen: 17.31 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion: 83 Resp: 206016
 Ion Ratio Lower Upper
 83 100
 55 76.1 39.3 117.8
 98 46.8 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VNO
 Ion 55.00 (54.70 to 55.70): VNO
 Ion 98.00 (97.70 to 98.70): VNO





#39

1,2-Dichloropropane

Concen: 18.87 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion: 63 Resp: 170475

Ion Ratio Lower Upper

63 100

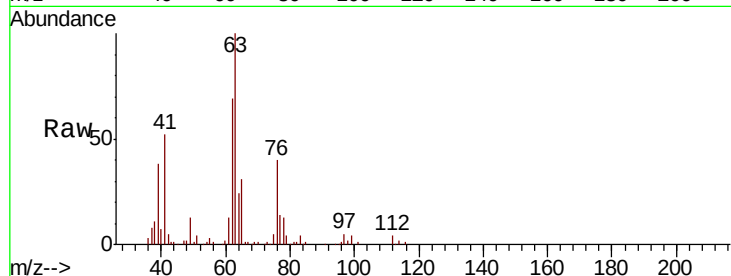
65 30.9 24.2 36.2

Manual Integrations

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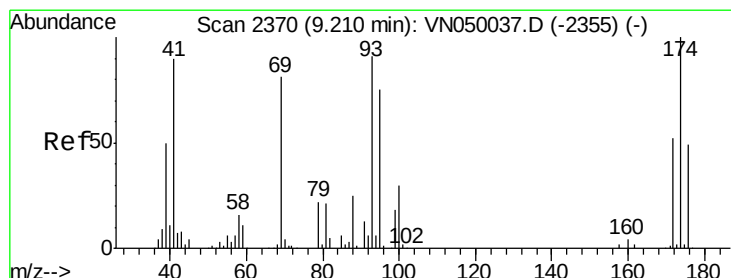
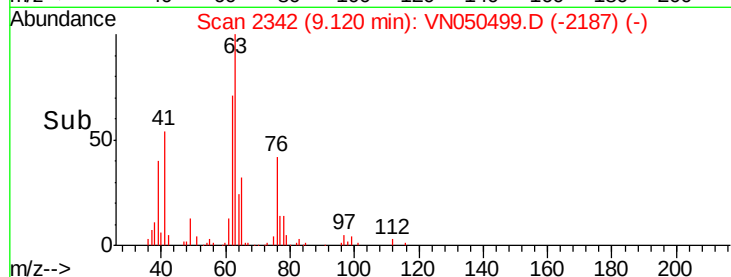
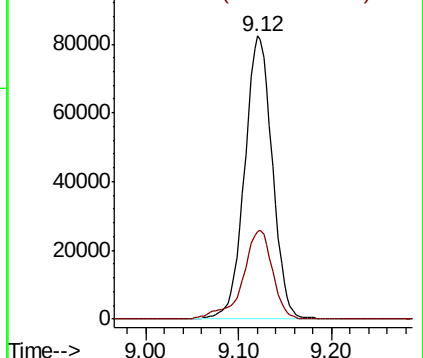
MMDadoda

8/10/2018 10:53:00 AM



Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 18.55 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

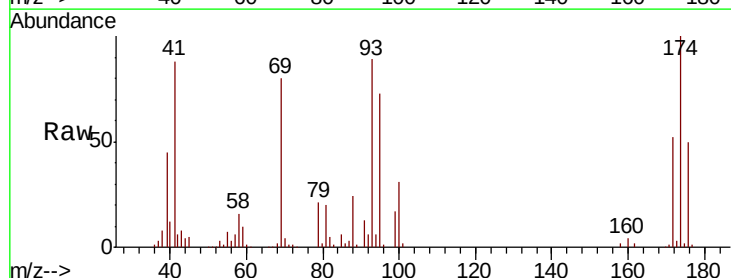
Tgt Ion: 93 Resp: 103584

Ion Ratio Lower Upper

93 100

95 83.4 0.0 165.6

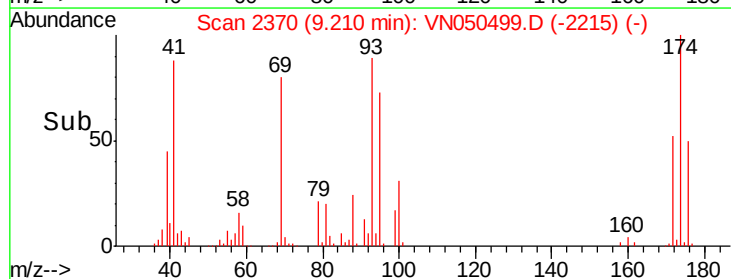
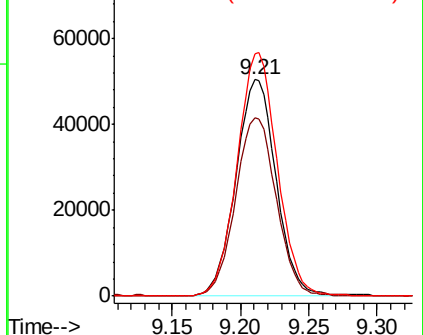
174 112.2 0.0 223.2

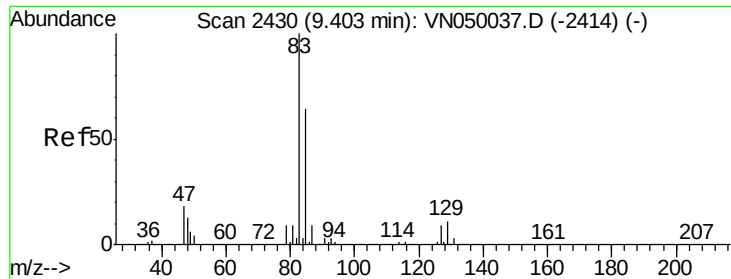


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





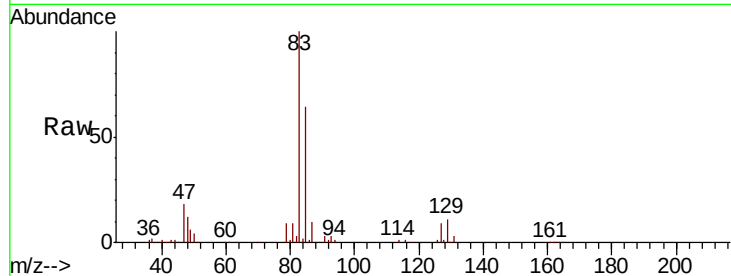
#41
Bromodichloromethane
Concen: 18.29 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

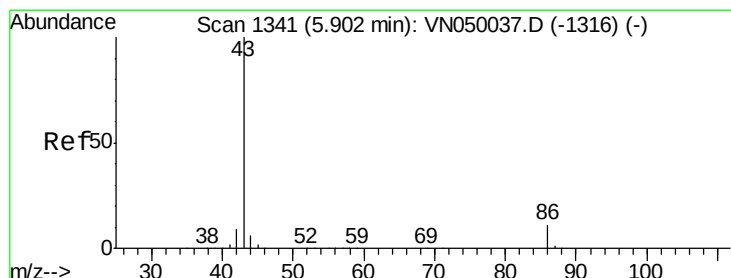
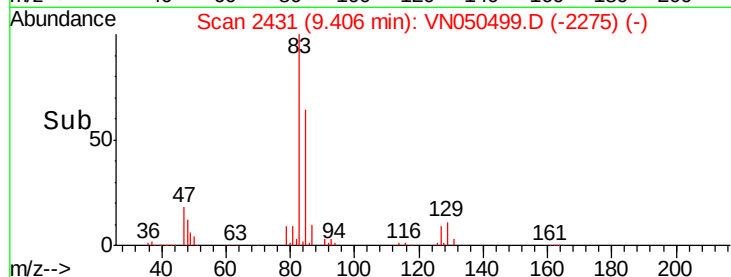
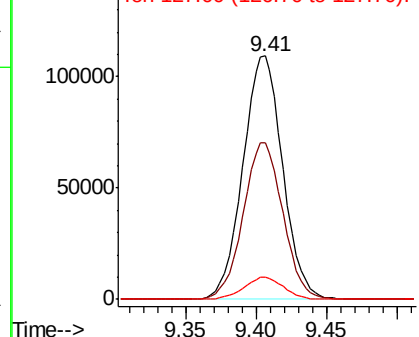
Tot Ion	83	Resp	215428
Ion Ratio	100	Lower	Upper
83	100		
85	64.2	52.6	78.8
127	9.4	7.0	10.4

Manual Integrations
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8/10/2018 10:53:00 AM

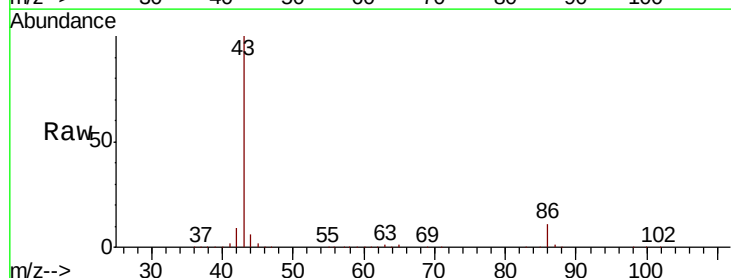


Abundance Ion 83.00 (82.70 to 83.70): VN050037.D (-2414) (-)
Ion 85.00 (84.70 to 85.70): VN050037.D (-2414) (-)
Ion 127.00 (126.70 to 127.70): VN050037.D (-2414) (-)

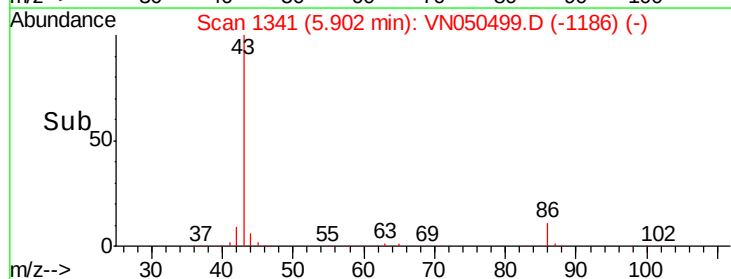
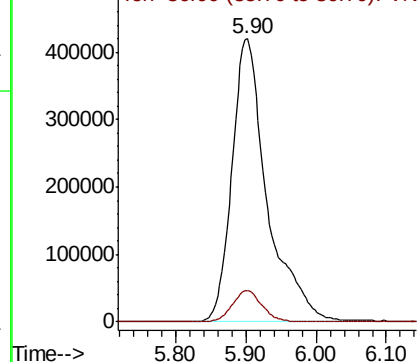


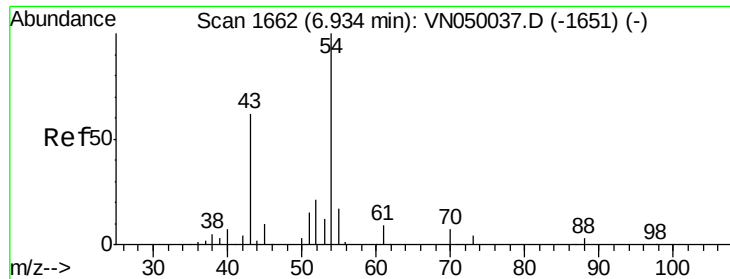
#42
Vinyl Acetate
Concen: 87.93 ug/l
RT: 5.90 min Scan# 1341
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion	43	Resp	1466151
Ion Ratio	100	Lower	Upper
43	100		
86	9.3	7.3	10.9



Abundance Ion 43.00 (42.70 to 43.70): VN050037.D (-1316) (-)
Ion 86.00 (85.70 to 86.70): VN050037.D (-1316) (-)





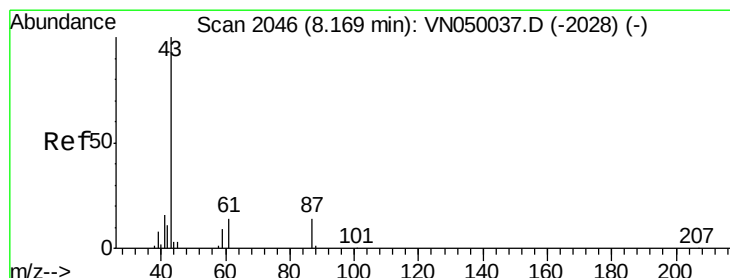
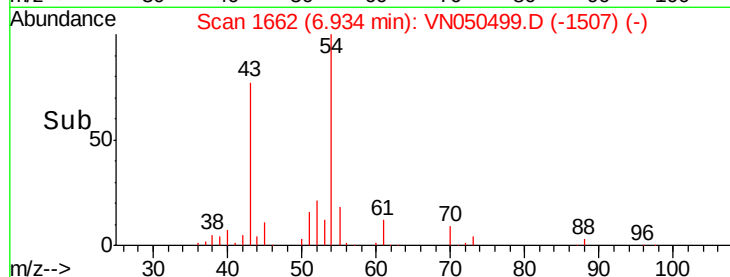
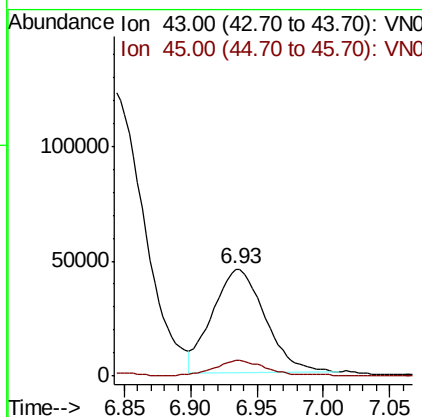
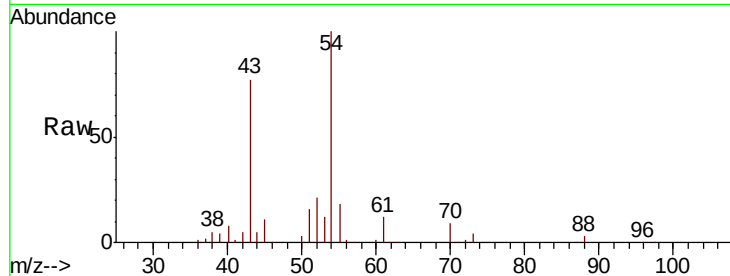
#43
Ethyl Acetate
Concen: 16.75 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion: 43 Resp: 123905
Ion Ratio Lower Upper
43 100
45 13.9 13.0 19.6

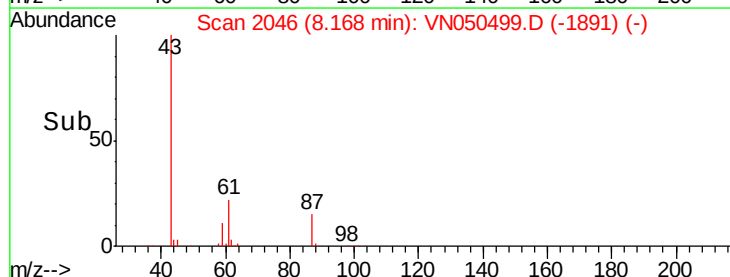
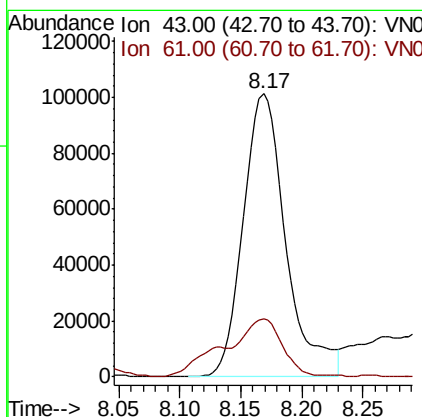
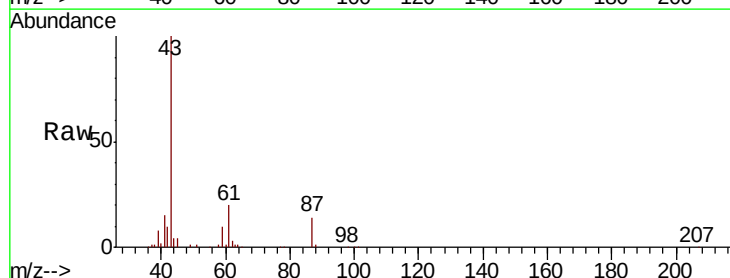
Manual Integrations
APPROVED

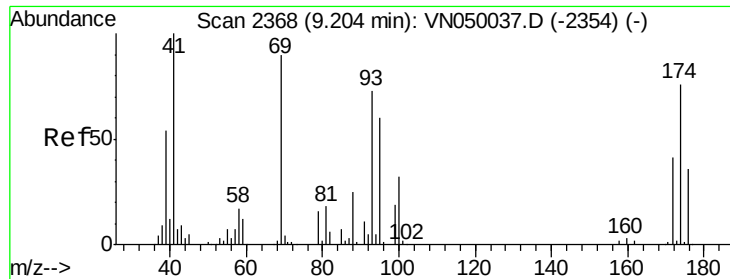
MMDadoda
8/10/2018 10:53:00 AM



#44
Isopropyl Acetate
Concen: 17.80 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion: 43 Resp: 244032
Ion Ratio Lower Upper
43 100
61 18.1 16.4 24.6





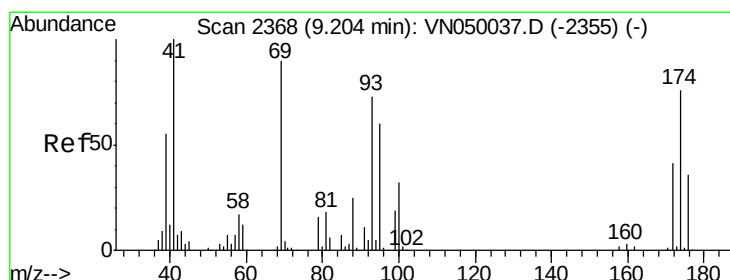
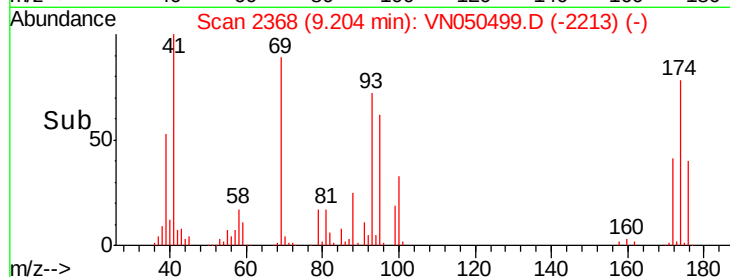
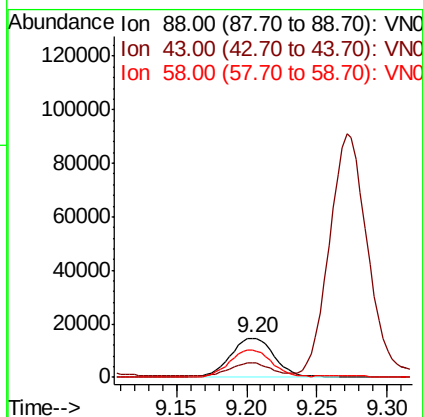
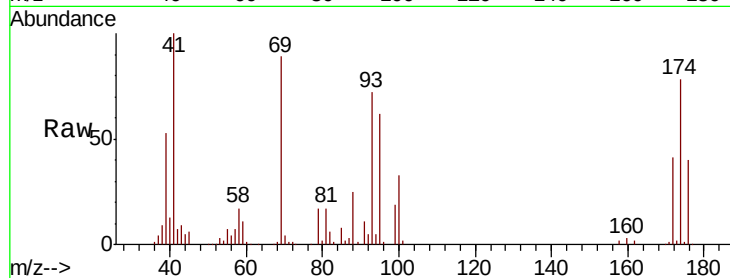
#45
 1,4-Dioxane
 Concen: 356.20 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	26.9	40.3
58	67.2	53.6	80.4

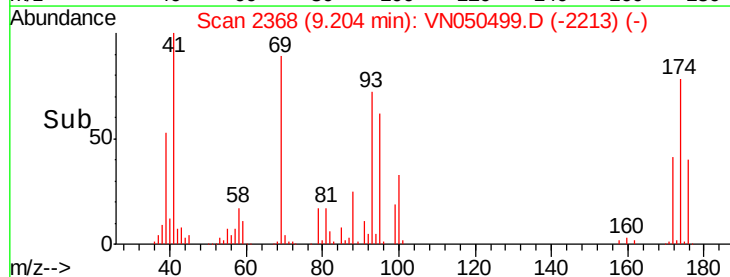
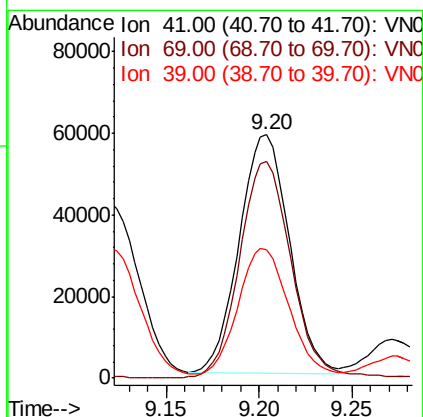
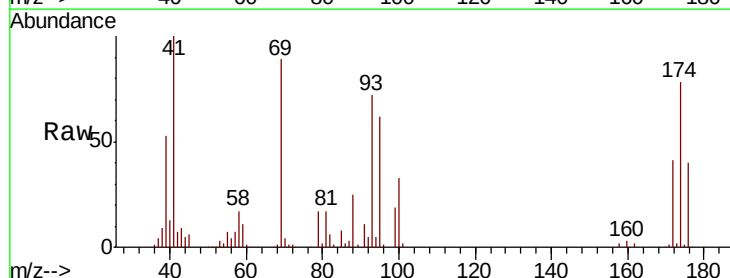
Manual Integrations
 APPROVED

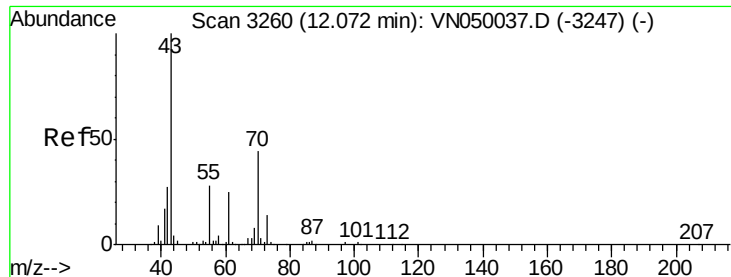
MMDadoda
 8/10/2018 10:53:00 AM



#46
 Methyl methacrylate
 Concen: 16.63 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
41	100		
69	90.4	44.0	132.1
39	52.1	27.0	80.8





#47

n-amyl Acetate

Concen: 16.46 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 43 Resp: 175542

Ion Ratio Lower Upper

43 100

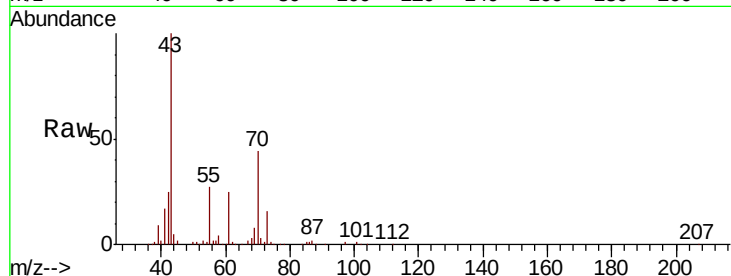
55 27.8 21.0 31.4

Manual Integrations

APPROVED

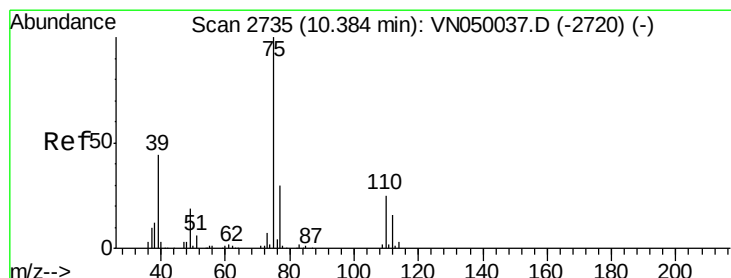
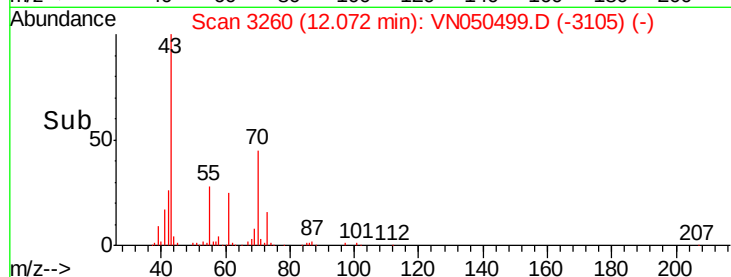
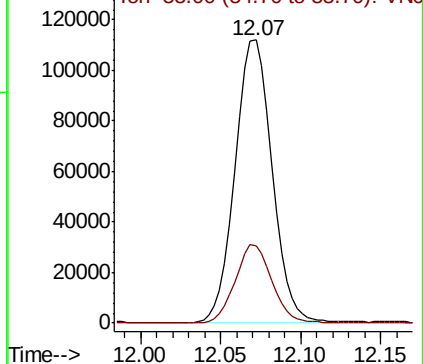
MMDadoda

8/10/2018 10:53:00 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 17.72 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050499.D

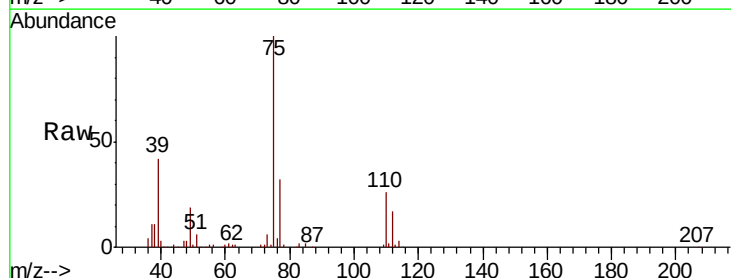
Acq: 9 Aug 2018 21:13

Tgt Ion: 75 Resp: 198881

Ion Ratio Lower Upper

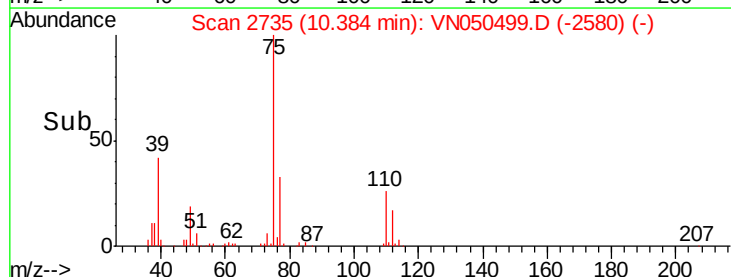
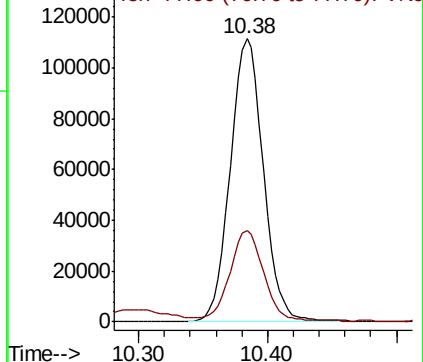
75 100

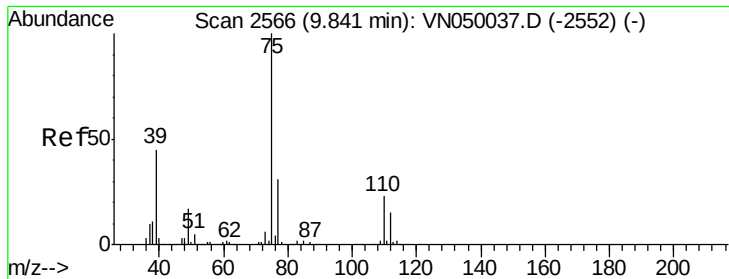
77 31.9 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#49

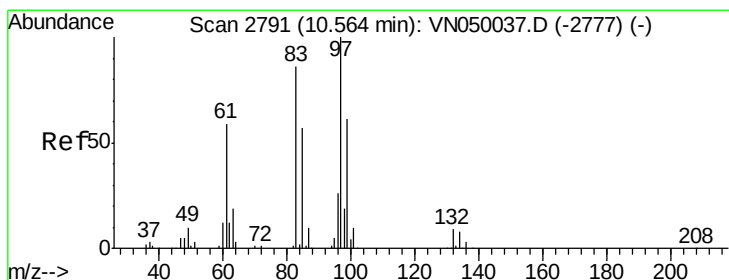
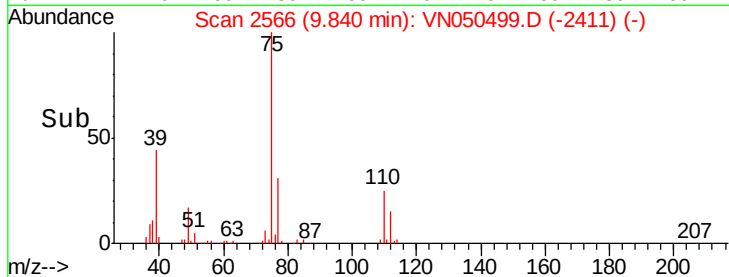
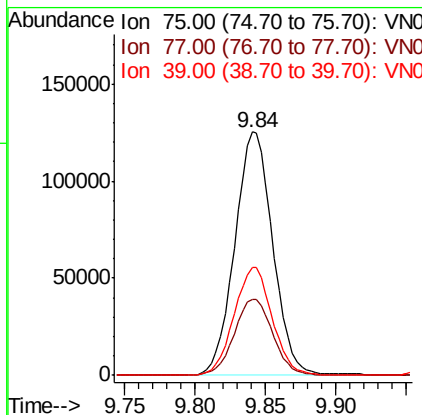
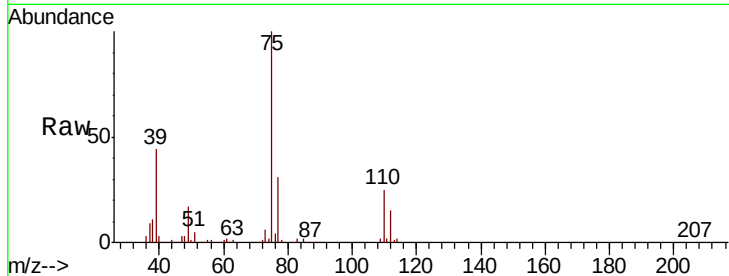
cis-1,3-Dichloropropene
 Concen: 17.93 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5
39	44.1	36.3	54.5

Manual Integrations
 APPROVED

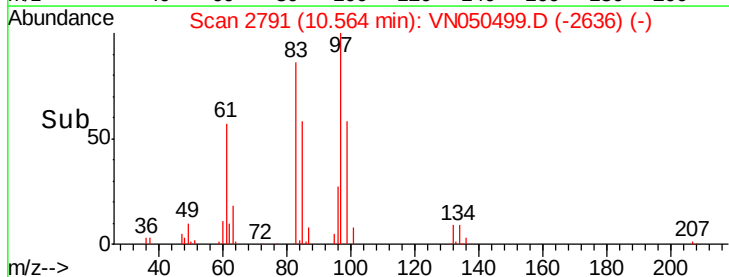
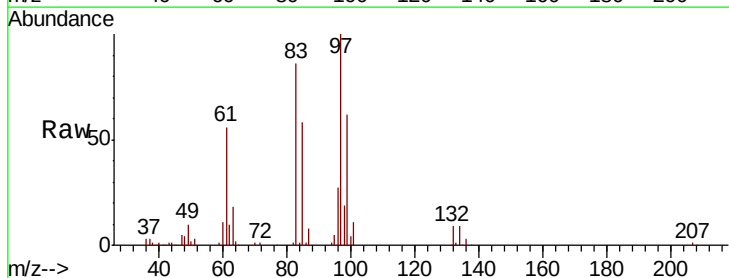
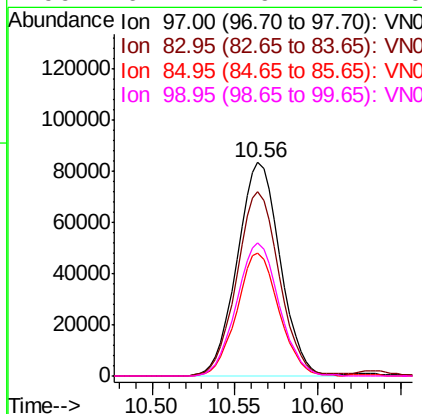
MMDadoda
 8/10/2018 10:53:00 AM

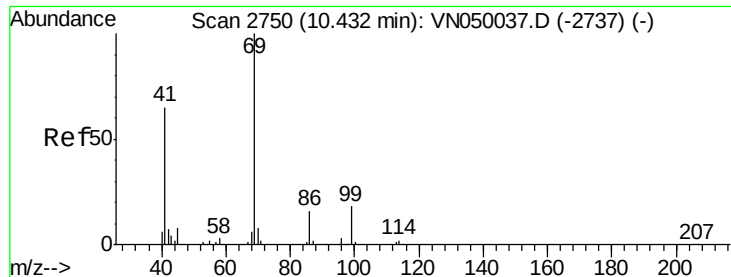


#50

1,1,2-Trichloroethane
 Concen: 18.73 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.1	102.1
85	57.7	45.4	68.2
99	62.2	49.4	74.0





#51

Ethyl methacrylate

Concen: 17.57 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

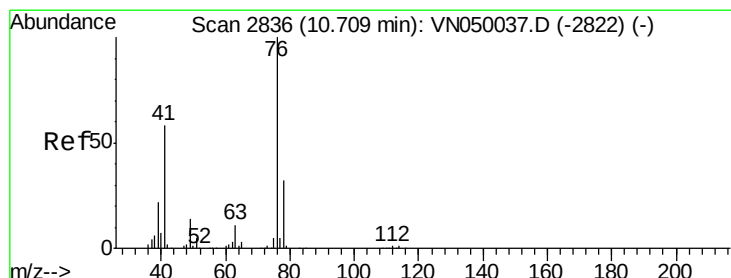
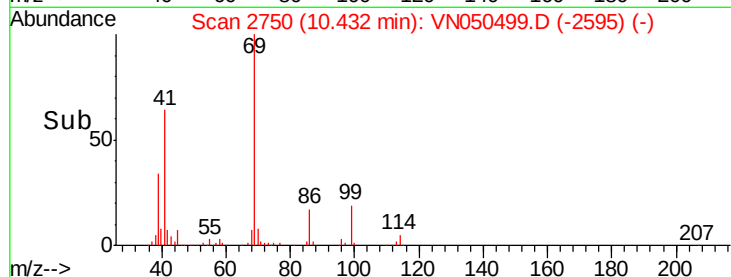
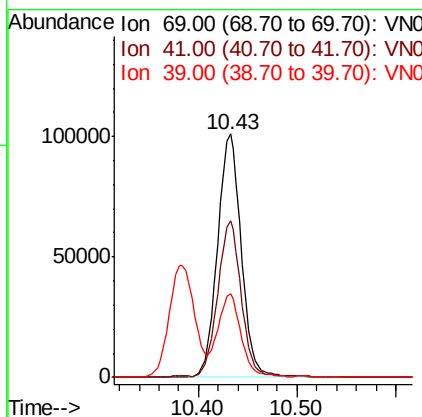
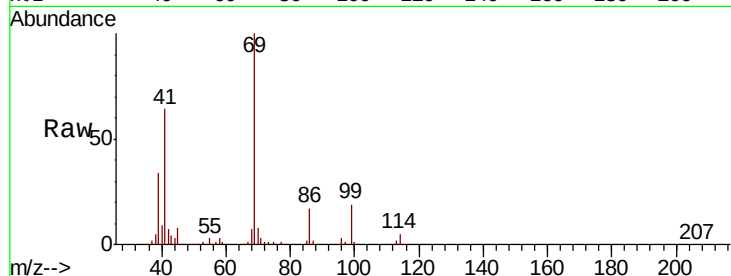
ClientSampled :

VSTDCCC020

Tot Ion:	69	Resp:	170917
Ion	Ratio	Lower	Upper
69	100		
41	64.0	31.9	95.9
39	33.9	16.7	50.1

Manual Integrations
APPROVED

MMDadoda
8/10/2018 10:53:00 AM



#52

1,3-Dichloropropane

Concen: 18.50 ug/l

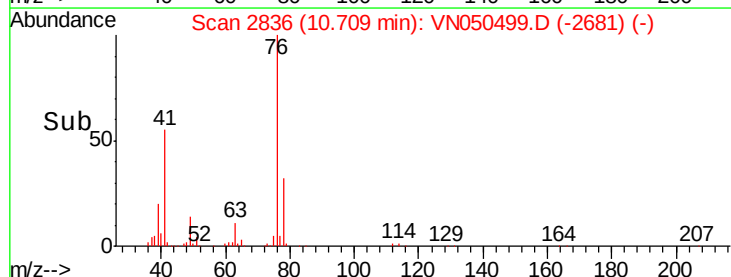
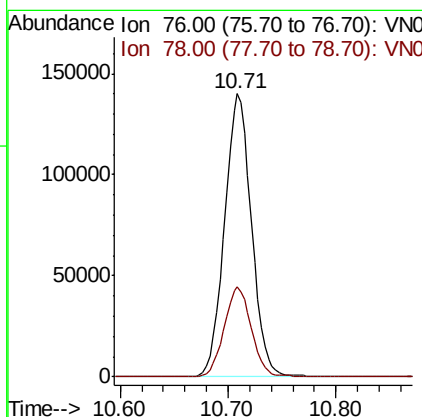
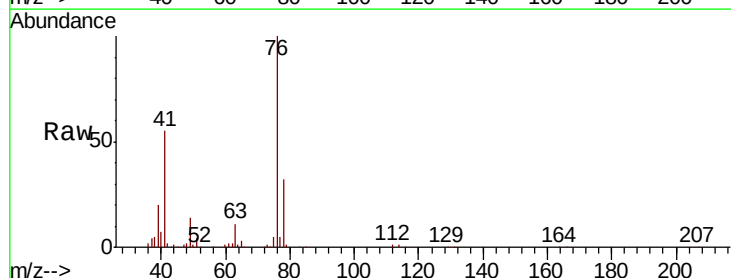
RT: 10.71 min Scan# 2836

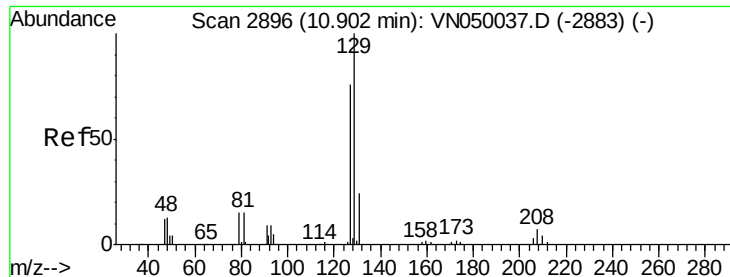
Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Tgt Ion:	76	Resp:	243481
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	65.6





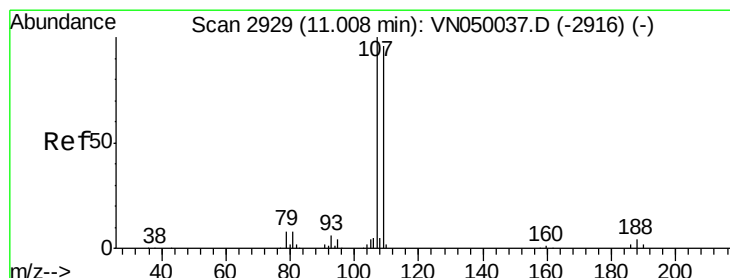
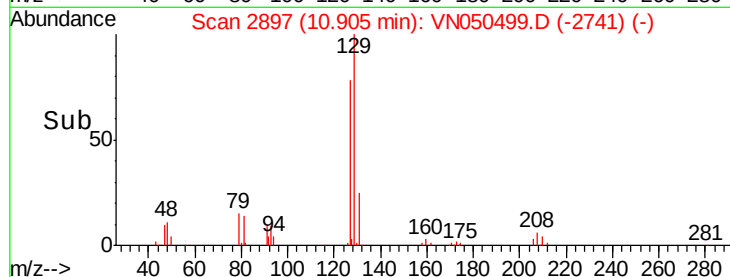
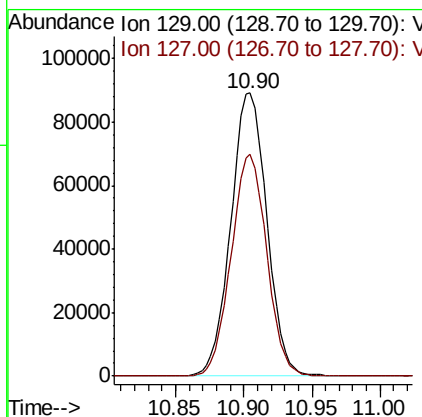
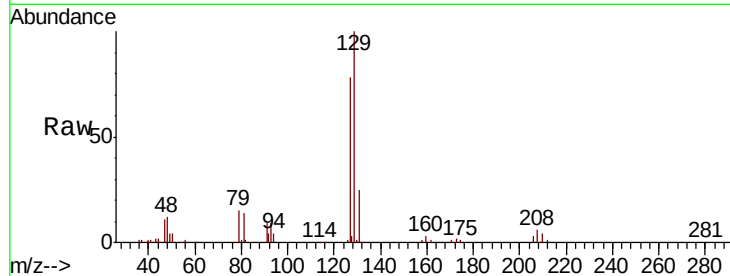
#53
 Dibromochloromethane
 Concen: 17.98 ug/l
 RT: 10.90 min Scan# 2897
 Delta R.T. 0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.4	38.1	114.5

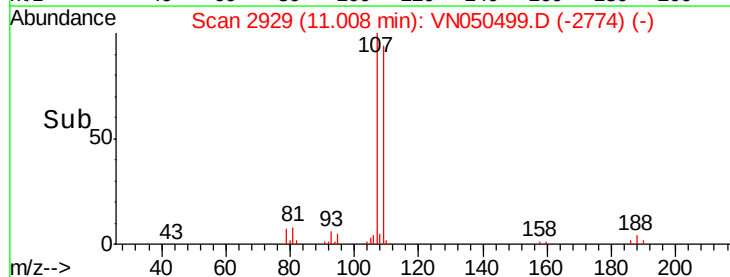
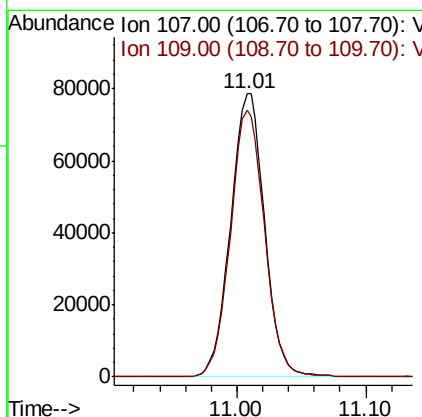
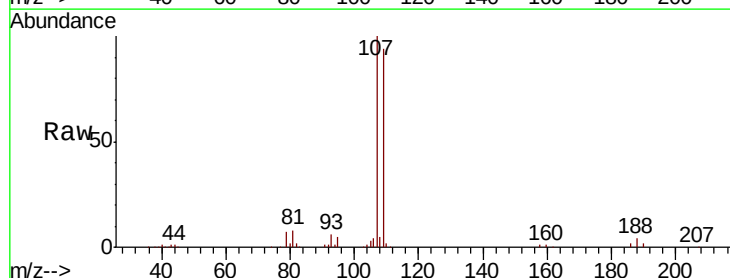
Manual Integrations
 APPROVED

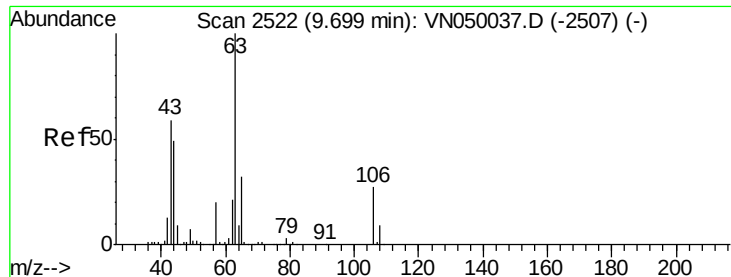
MMDadoda
 8/10/2018 10:53:00 AM



#54
 1,2-Dibromoethane
 Concen: 18.31 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.3	76.2	114.2





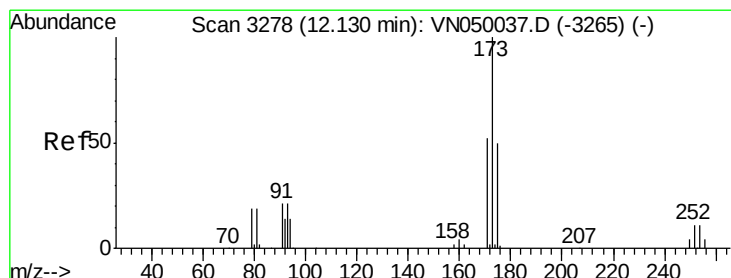
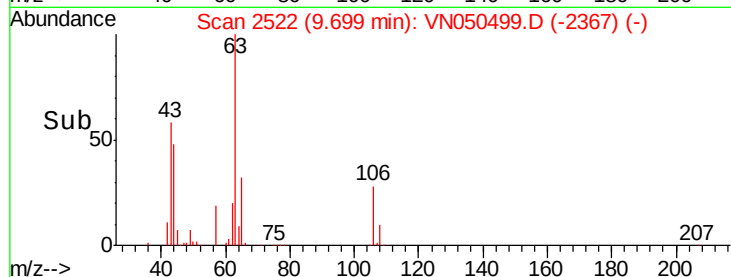
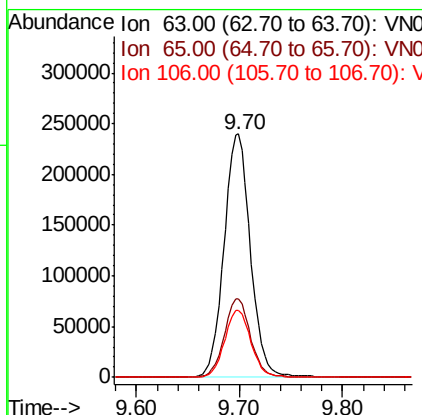
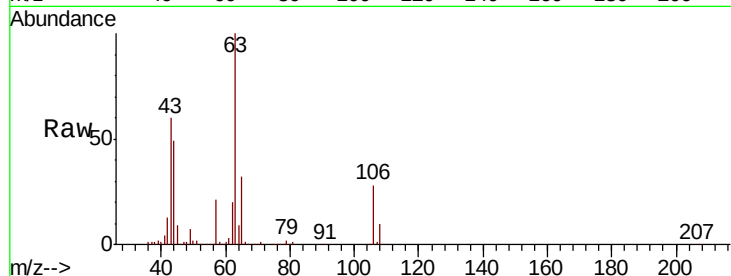
#55
2-Chloroethyl vinyl ether
Concen: 97.02 ug/l
RT: 9.70 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.5	38.3
106	27.7	21.8	32.6

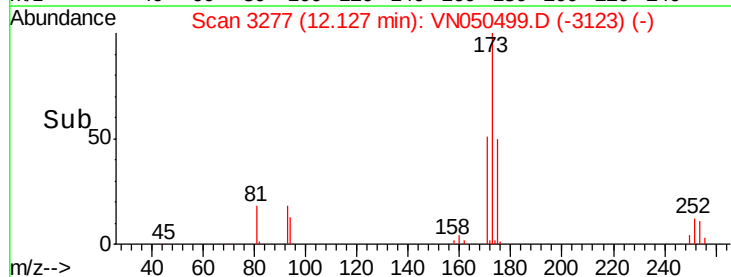
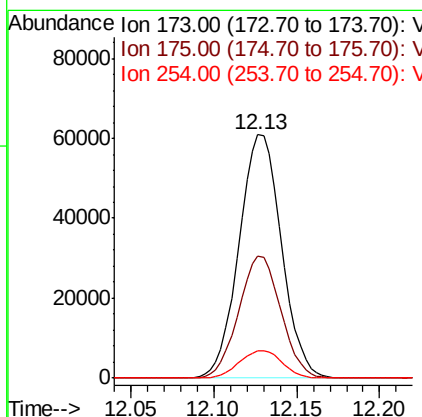
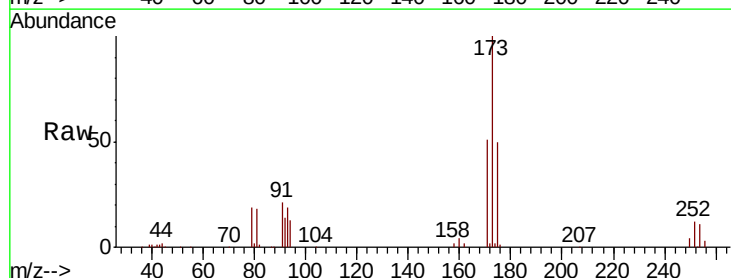
Manual Integrations
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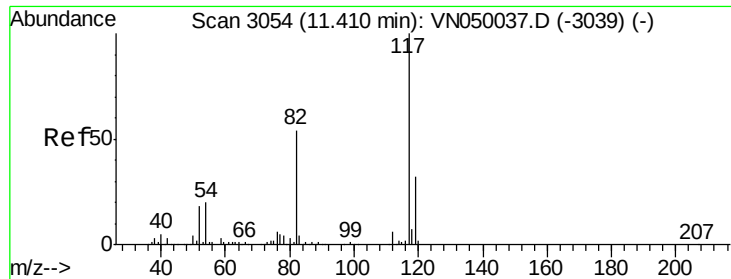
MMDadoda
8/10/2018 10:53:00 AM



#56
Bromoform
Concen: 16.94 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.7	38.6	57.8
254	11.4	8.8	13.2





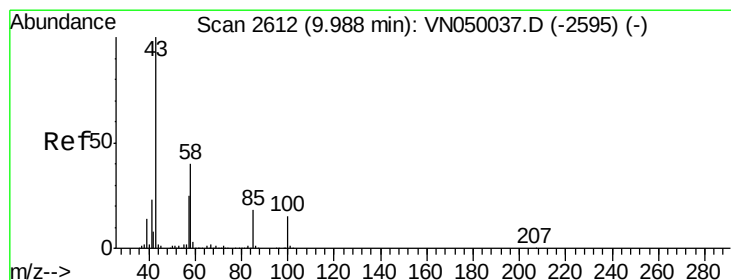
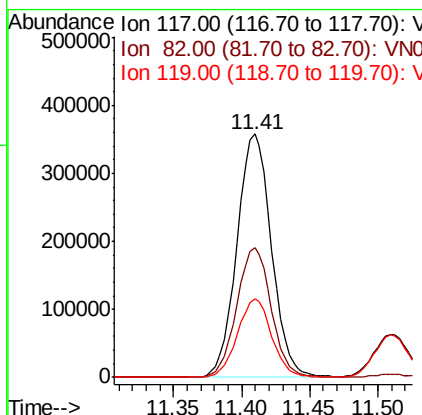
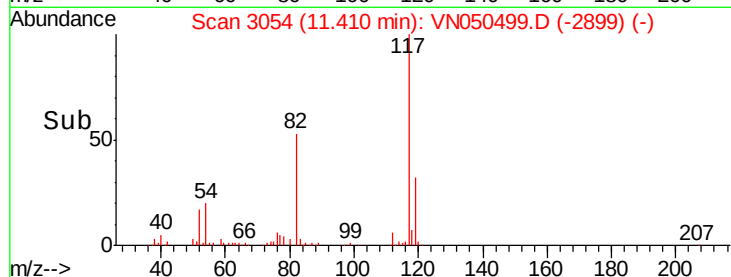
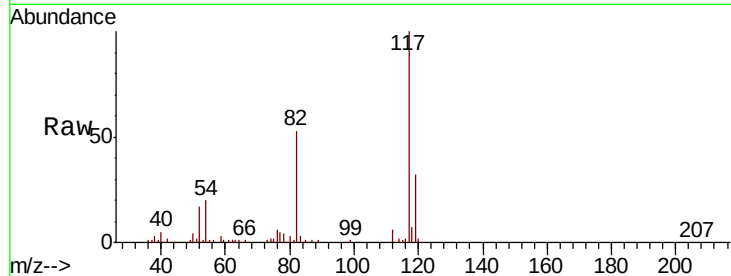
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.4	63.6
119	32.0	25.4	38.0

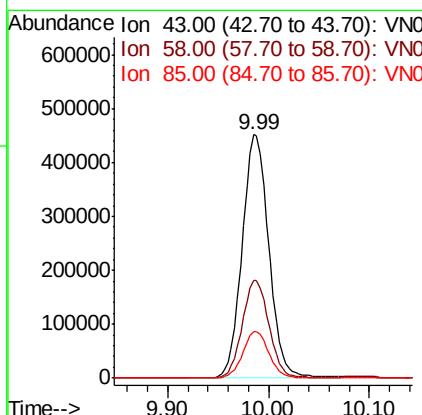
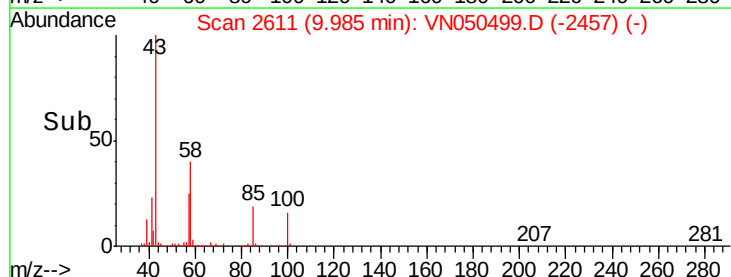
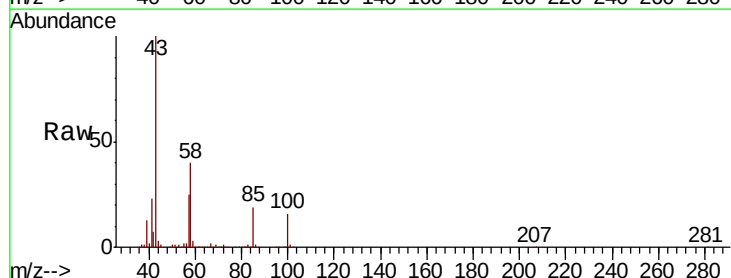
Manual Integrations
APPROVED

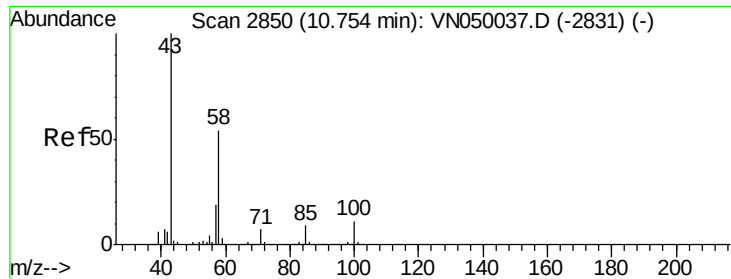
MMDadoda
8/10/2018 10:53:00 AM



#58
4-Methyl-2-Pentanone
Concen: 112.14 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.2	46.8
85	18.8	14.4	21.6





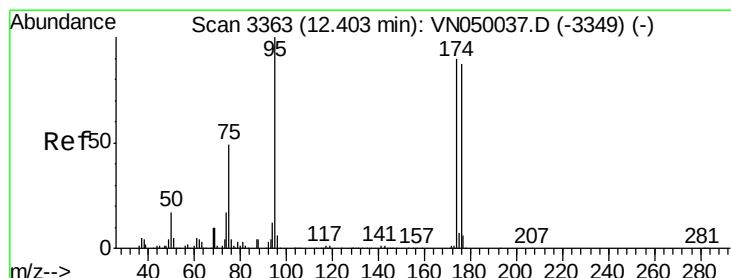
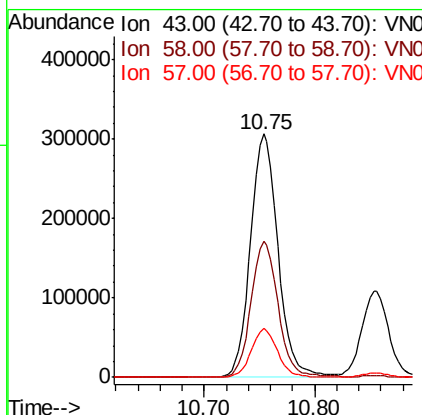
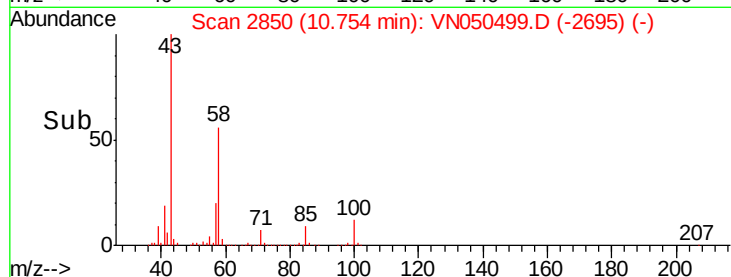
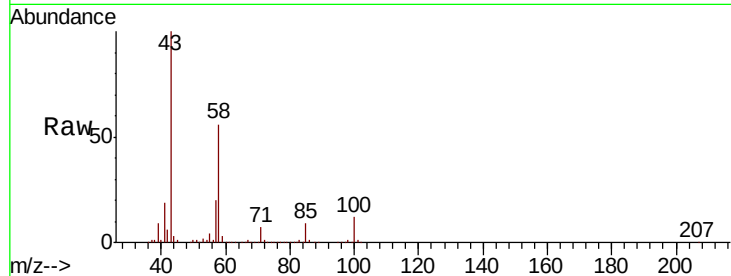
#59
2-Hexanone
Concen: 105.98 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.1	43.8	65.8
57	19.3	15.1	22.7

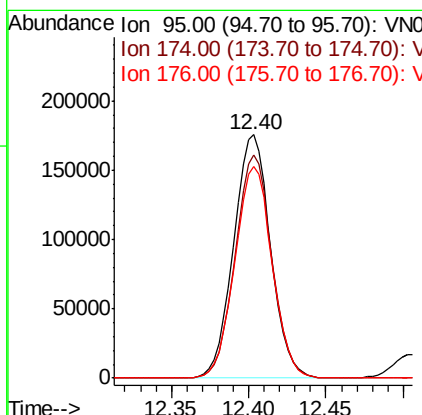
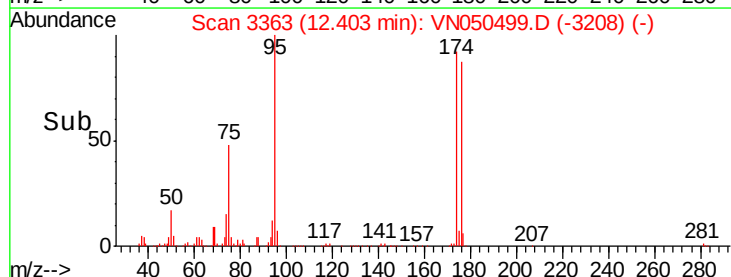
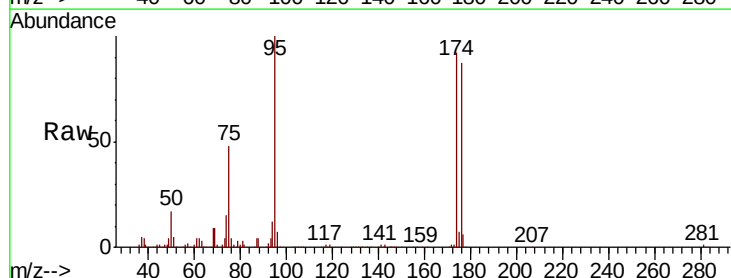
Manual Integrations
APPROVED

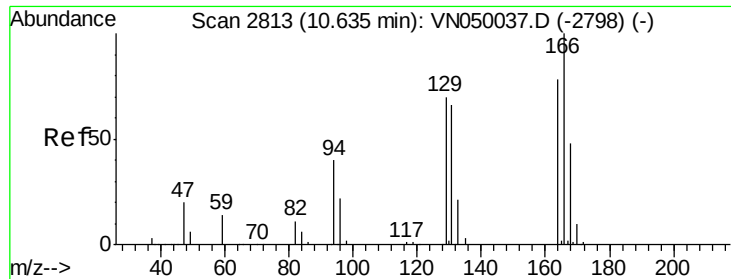
MMDadoda
8/10/2018 10:53:00 AM



#60
4-Bromofluorobenzene
Concen: 29.96 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.3	72.3	108.5
176	88.2	70.0	105.0





#61

Tetrachloroethene

Concen: 19.39 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tot Ion:164 Resp: 165386

Ion Ratio Lower Upper

164 100

166 124.9 100.0 150.0

129 89.3 69.3 103.9

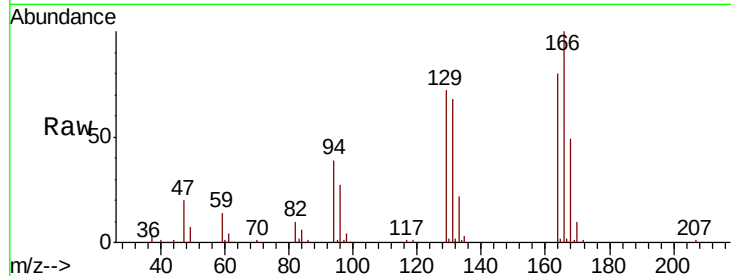
131 84.7 68.8 103.2

Manual Integrations

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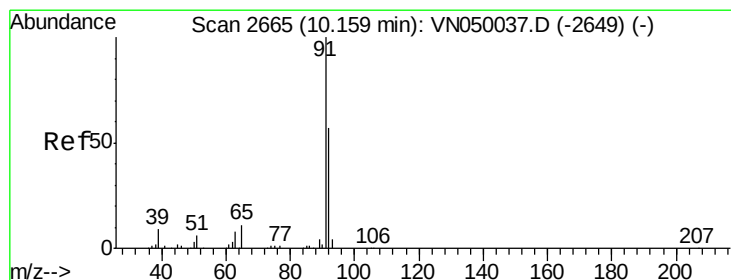
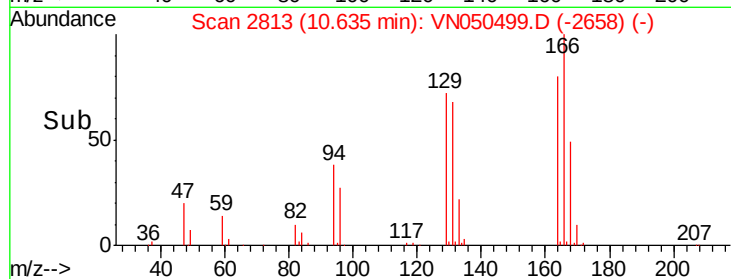
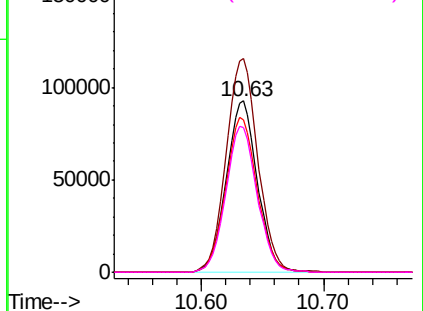


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.26 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. -0.00 min

Lab File: VN050499.D

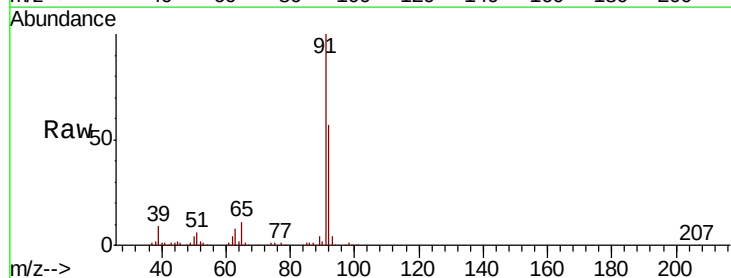
Acq: 9 Aug 2018 21:13

Tgt Ion: 91 Resp: 691913

Ion Ratio Lower Upper

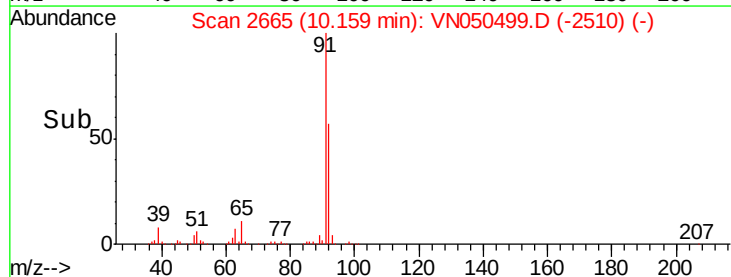
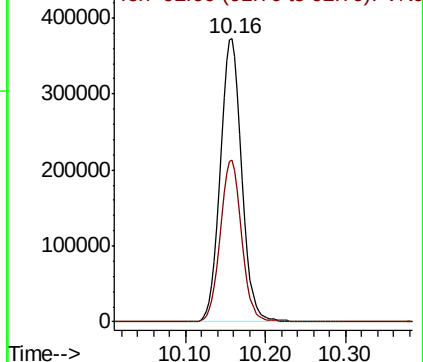
91 100

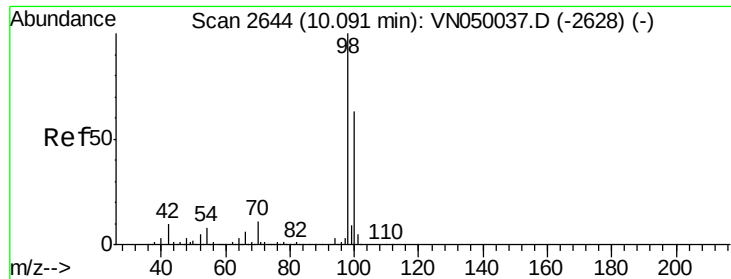
92 57.1 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





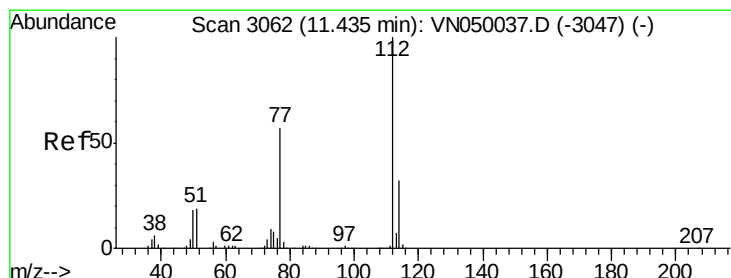
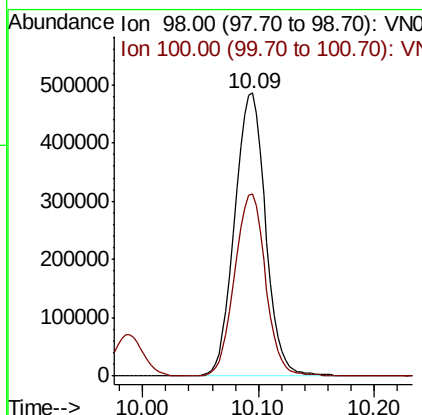
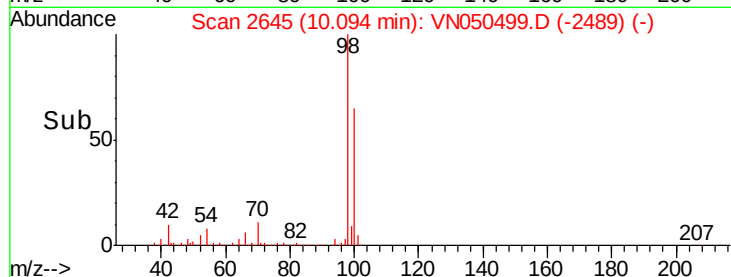
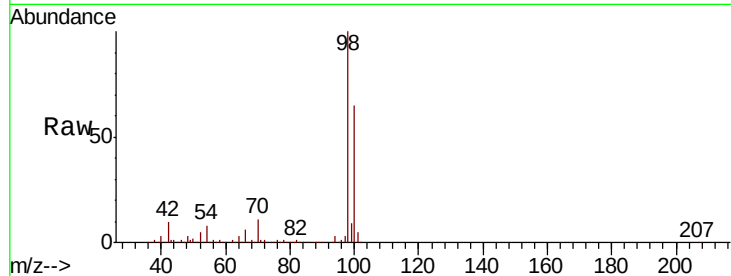
#63
Toluene-d8
Concen: 29.93 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion: 98 Resp: 900052
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8

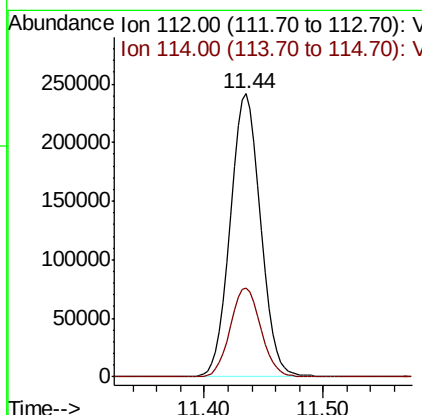
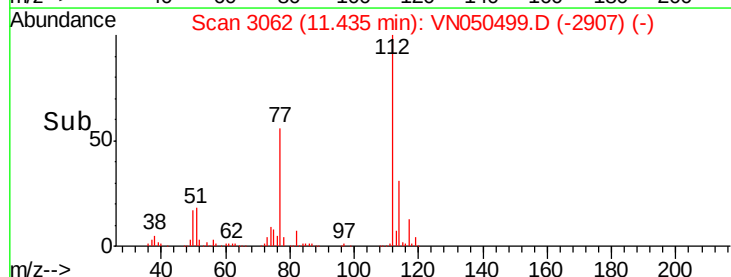
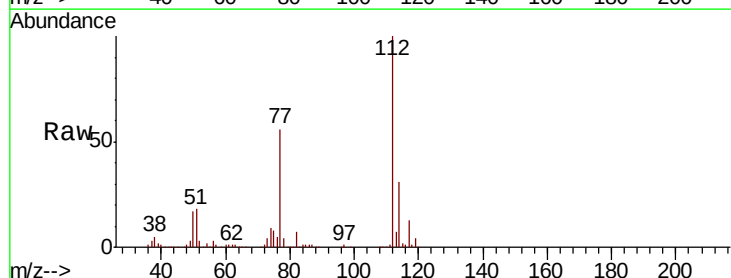
Manual Integrations
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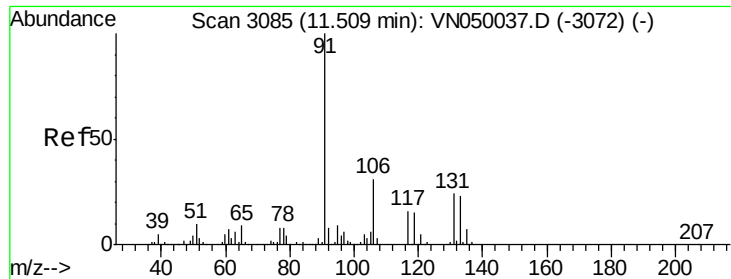
MMDadoda
8/10/2018 10:53:00 AM



#64
Chlorobenzene
Concen: 19.62 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion: 112 Resp: 427320
Ion Ratio Lower Upper
112 100
114 31.5 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.25 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

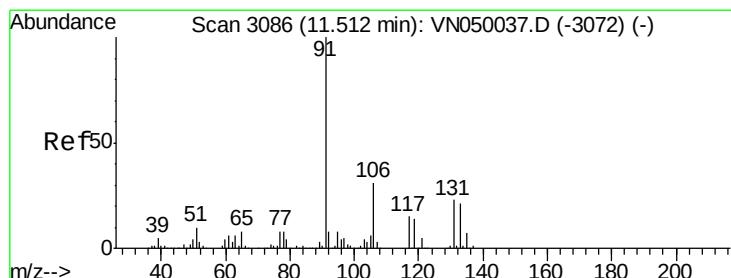
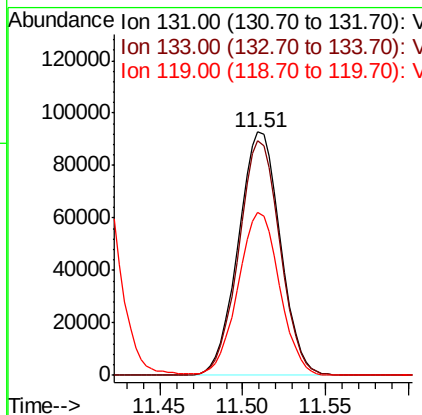
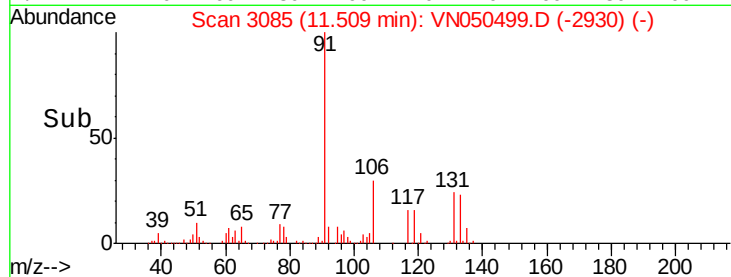
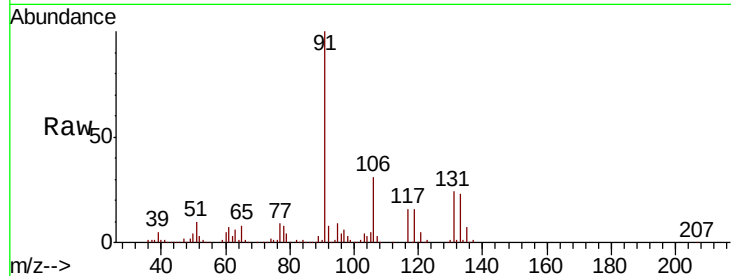
ClientSampled :

VSTDCCC020

Tot Ion:	131	Resp:	163555
Ion Ratio	Lower	Upper	
131	100		
133	94.8	0.0	190.0
119	66.0	0.0	131.6

Manual Integrations
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8/10/2018 10:53:00 AM



#66

Ethyl Benzene

Concen: 18.80 ug/l

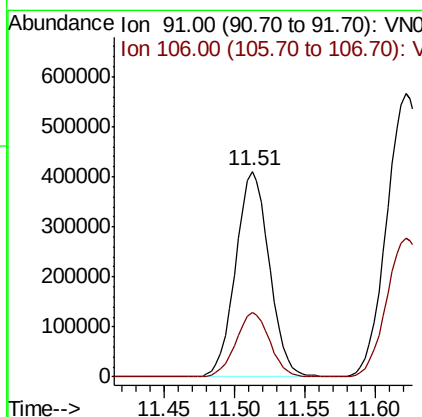
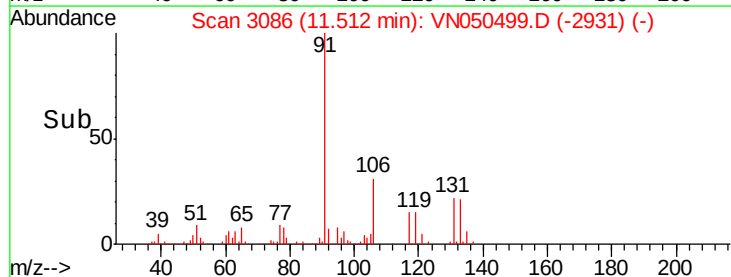
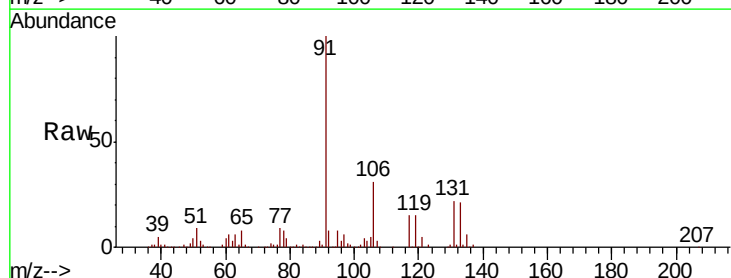
RT: 11.51 min Scan# 3086

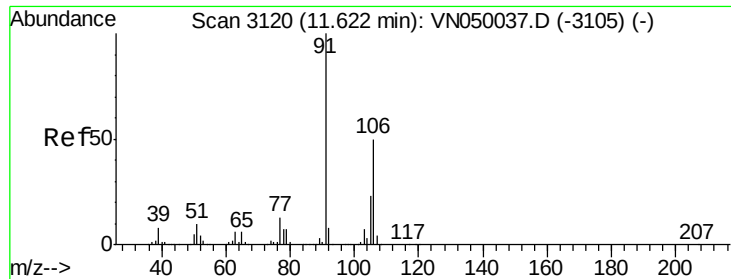
Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Tgt Ion:	91	Resp:	690077
Ion Ratio	Lower	Upper	
91	100		
106	31.3	25.1	37.7





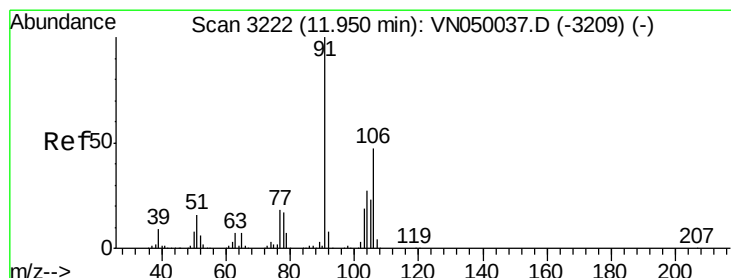
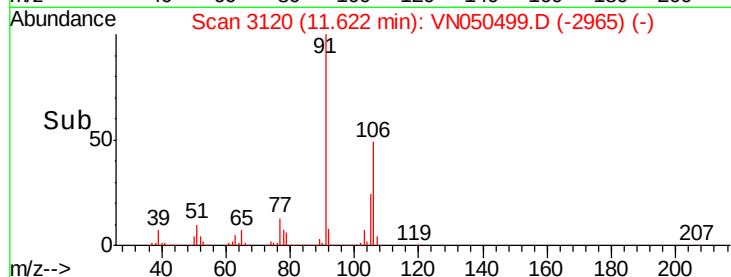
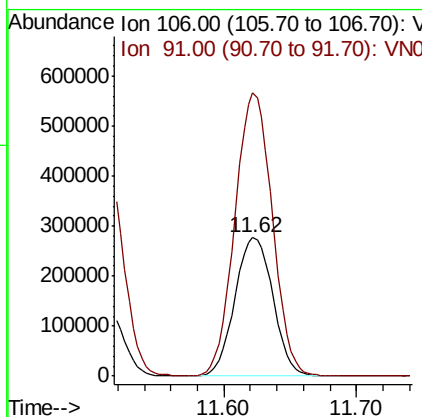
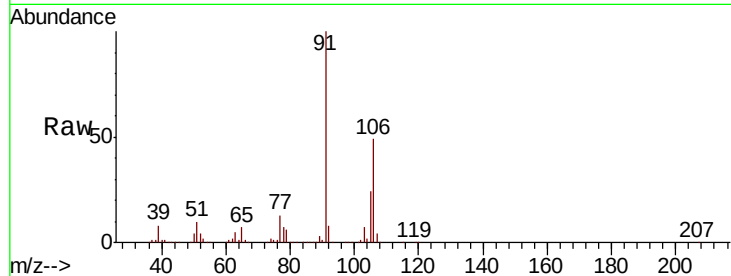
#67
m/p-Xylenes
Concen: 39.09 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		552328		
91	200.6	162.5	243.7		

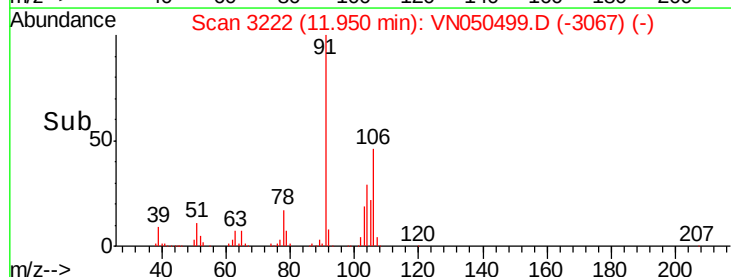
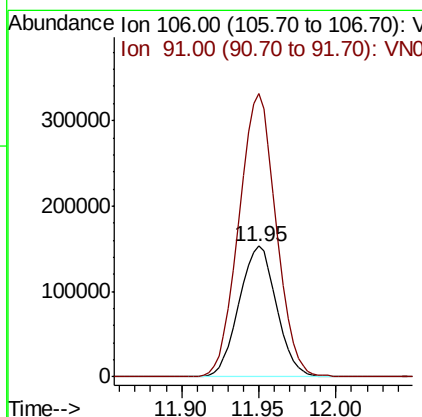
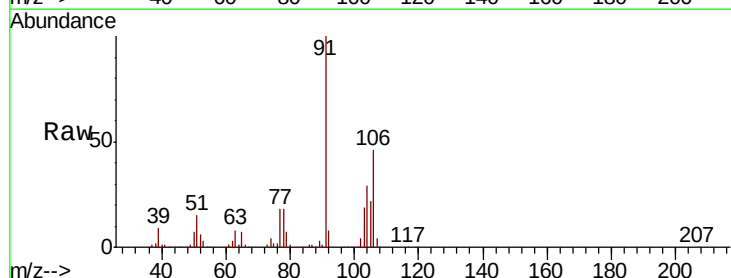
Manual Integrations
APPROVED

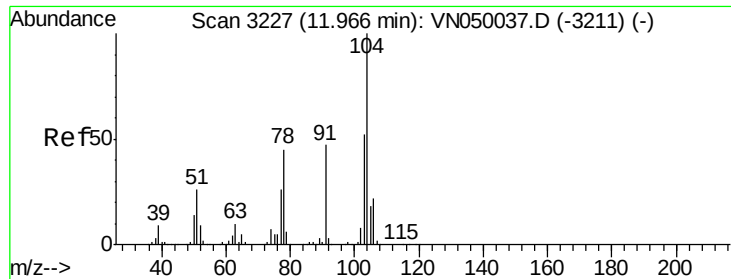
MMDadoda
8/10/2018 10:53:00 AM



#68
o-Xylene
Concen: 19.21 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		258177		
91	215.3	106.8	320.4		





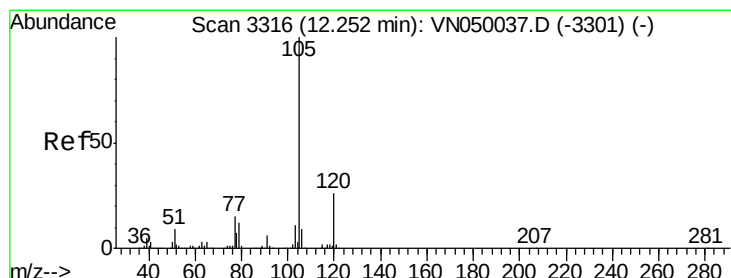
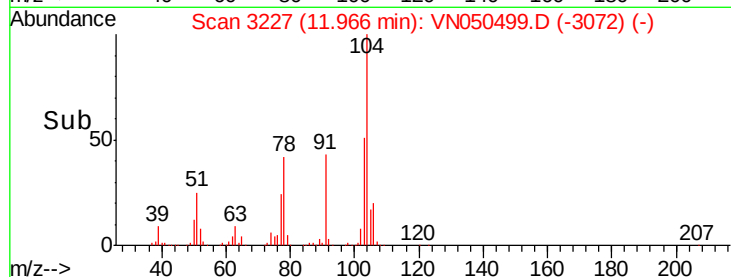
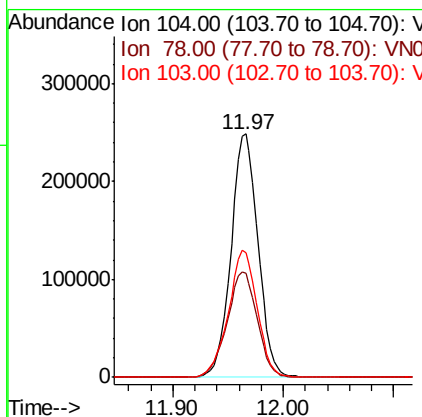
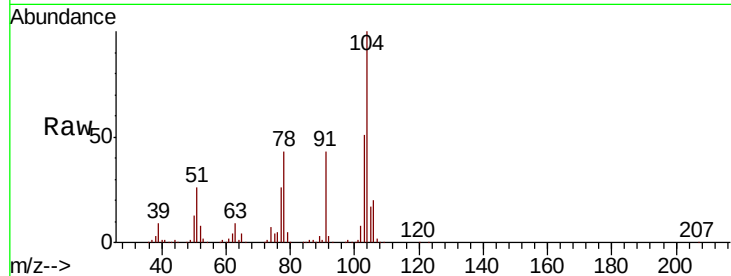
#69
Stvrene
Concen: 19.60 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.3	39.3	58.9
103	55.7	44.5	66.7

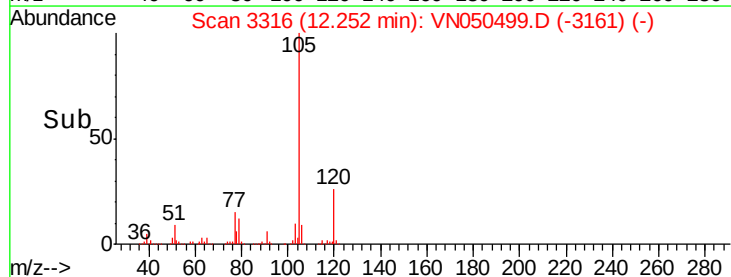
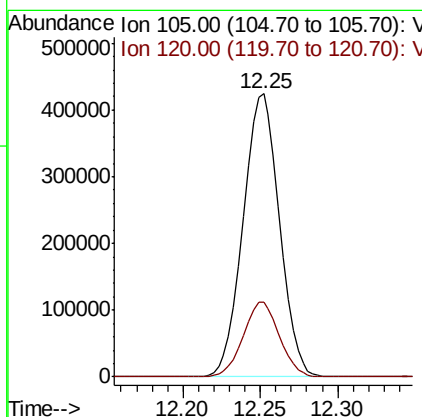
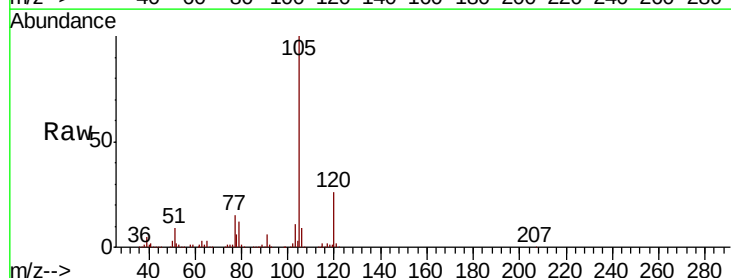
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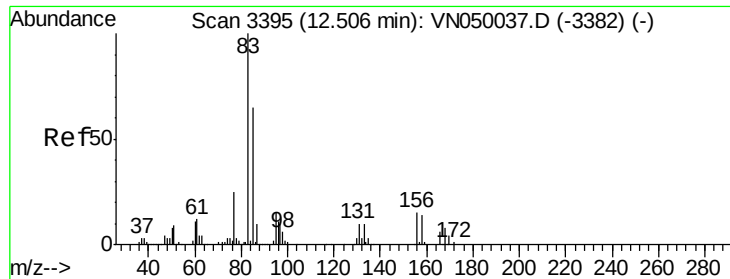
MMDadoda
8/10/2018 10:53:00 AM



#70
Isopropylbenzene
Concen: 19.38 ug/l
RT: 12.25 min Scan# 3316
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	18.9	35.1





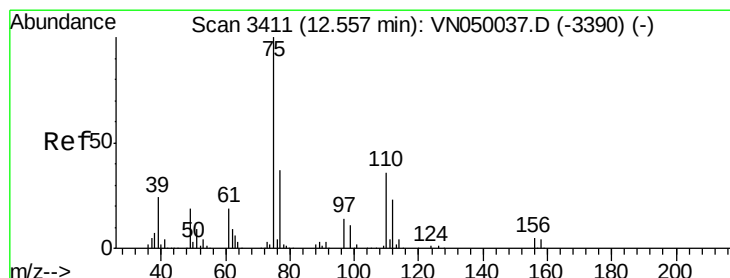
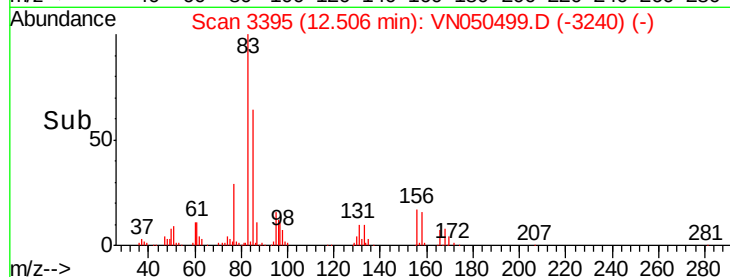
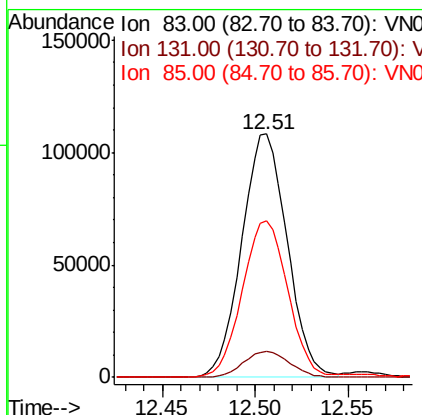
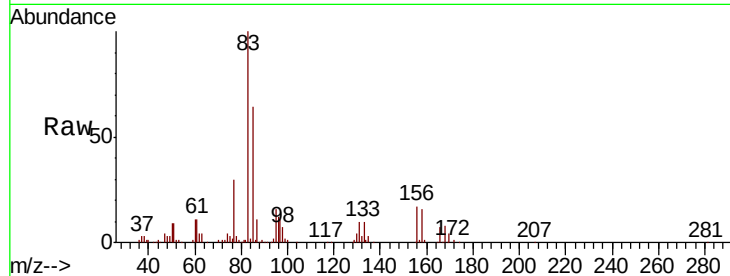
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.74 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	10.8	5.2	15.6	
85	64.1	31.7	95.1	

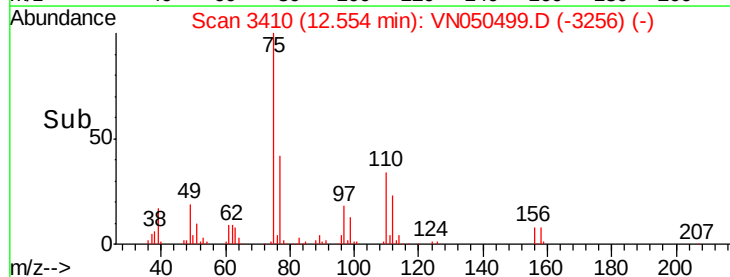
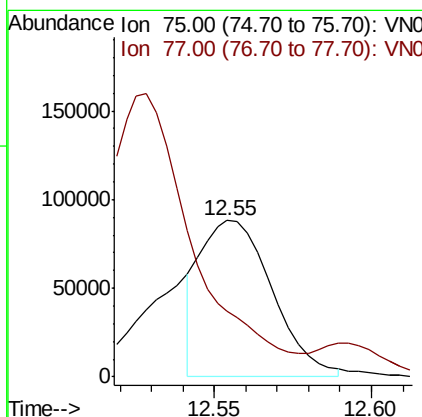
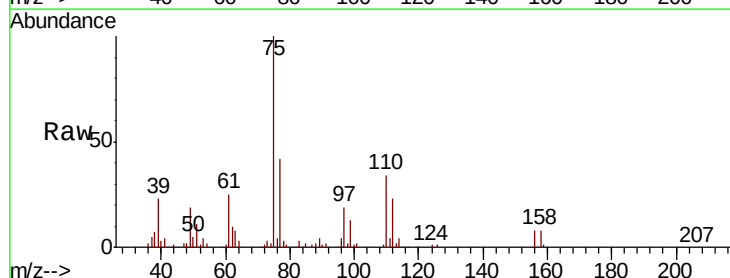
Manual Integrations
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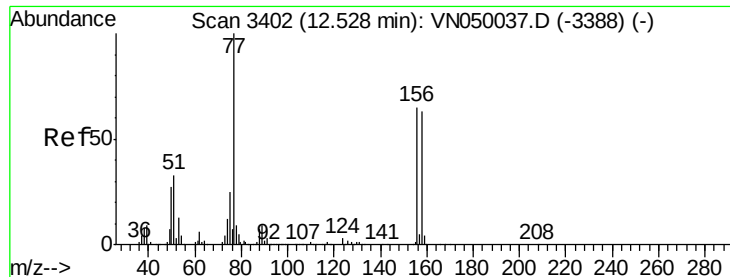
MMDadoda
 8/10/2018 10:53:00 AM



#72
 1,2,3-Trichloropropane
 Concen: 16.71 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	232.2	0.0	454.4	





#73

Bromobenzene

Concen: 19.03 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

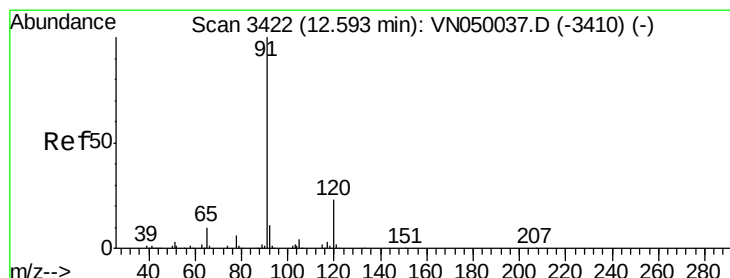
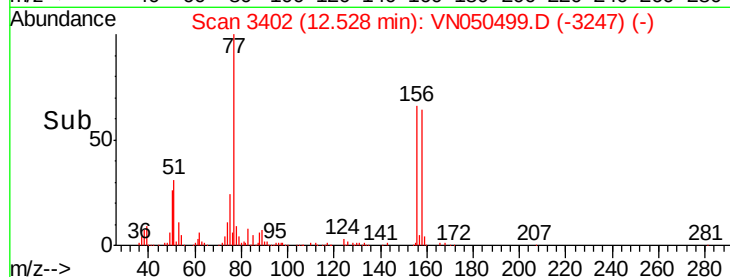
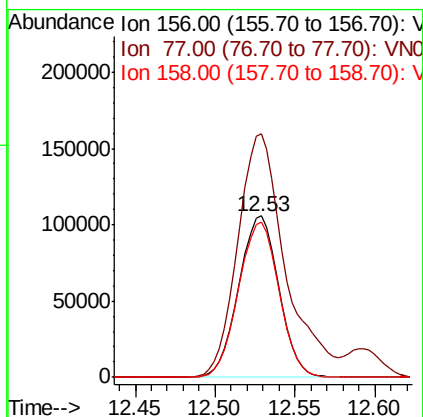
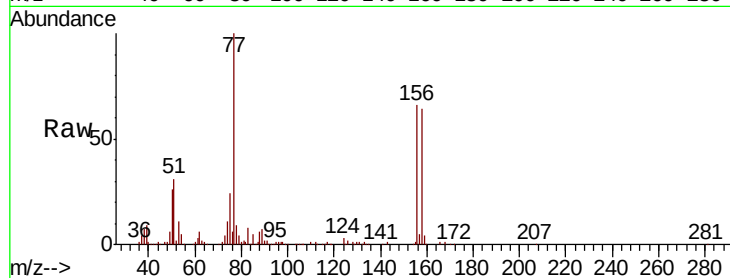
ClientSampled :

VSTDCCC020

Tot Ion:	156	Resp:	181513
Ion Ratio	Lower	Upper	
156	100		
77	179.5	0.0	359.8
158	96.9	0.0	192.8

Manual Integrations
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8/10/2018 10:53:00 AM



#74

n-propylbenzene

Concen: 18.57 ug/l

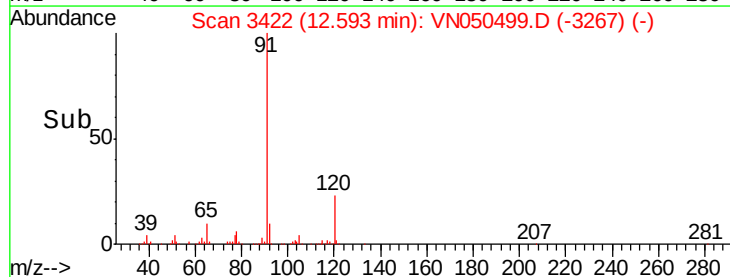
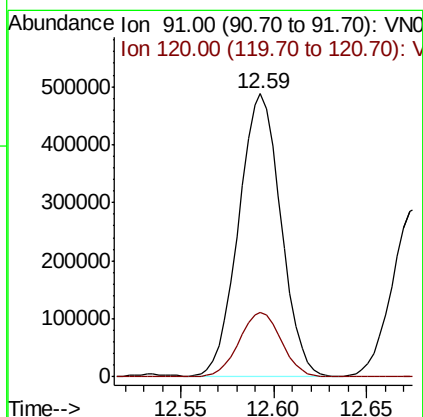
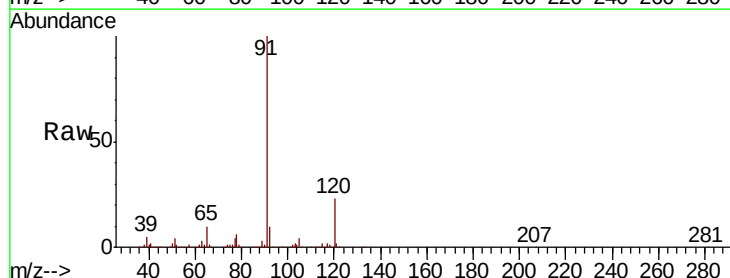
RT: 12.59 min Scan# 3422

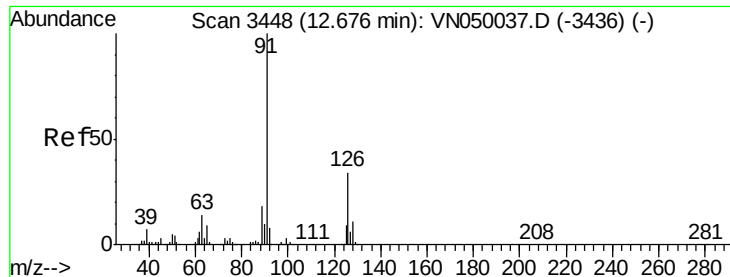
Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Tgt Ion:	91	Resp:	774397
Ion Ratio	Lower	Upper	
91	100		
120	22.9	0.0	46.4





#75

2-Chlorotoluene

Concen: 19.13 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tot Ion: 91 Resp: 479064

Ion Ratio Lower Upper

91 100

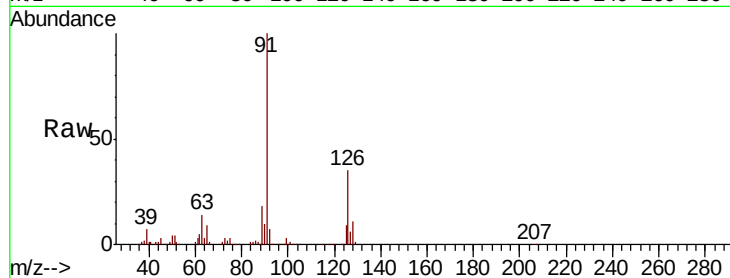
126 35.2 0.0 68.6

Manual Integrations

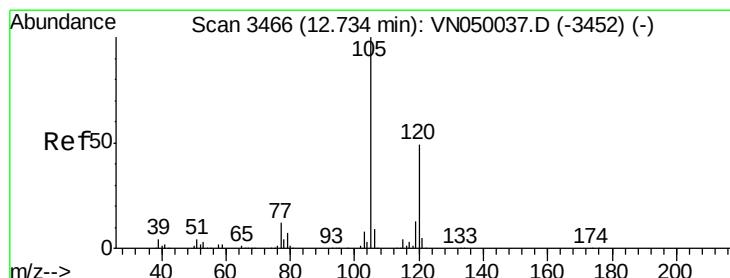
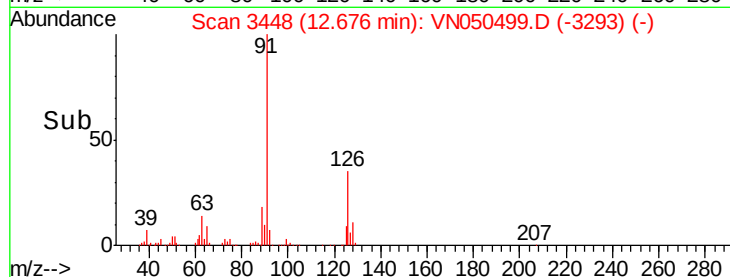
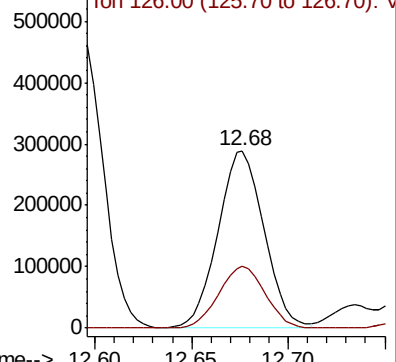
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MMDadoda

8/10/2018 10:53:00 AM



Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3436) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.32 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050499.D

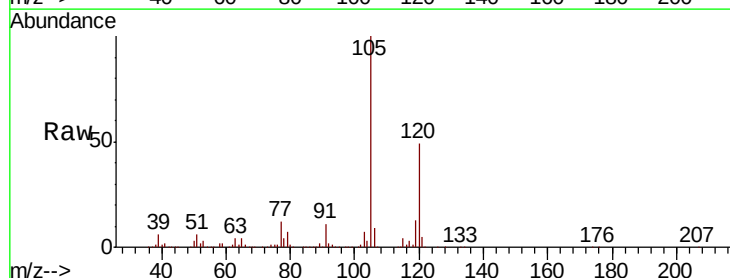
Acq: 9 Aug 2018 21:13

Tgt Ion: 105 Resp: 568033

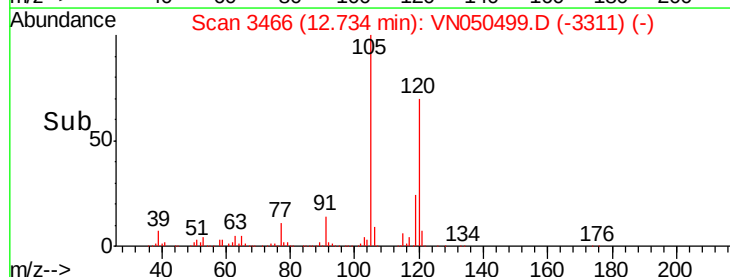
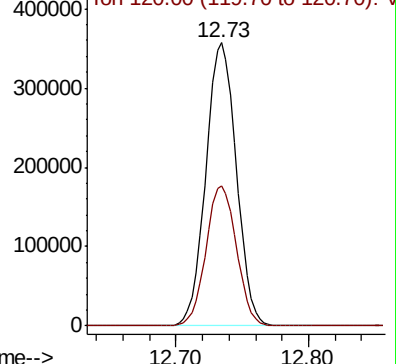
Ion Ratio Lower Upper

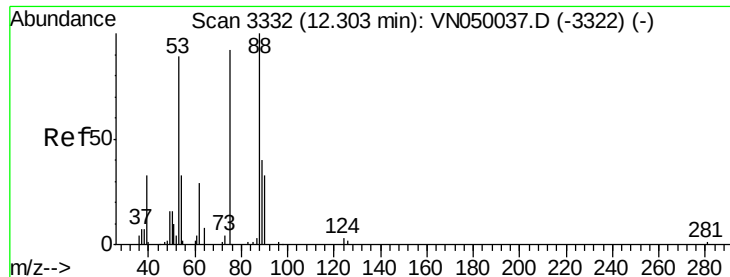
105 100

120 49.6 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VN050037.D (-3452) (-)





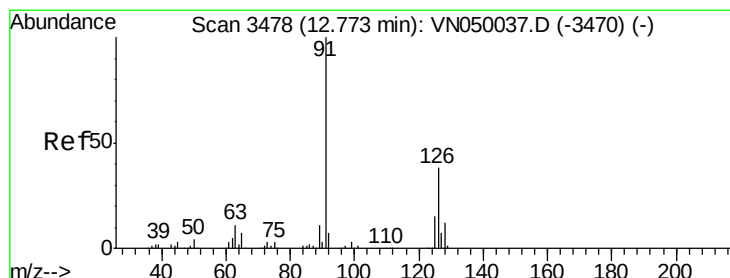
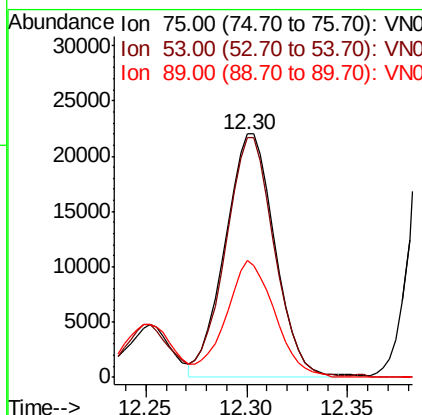
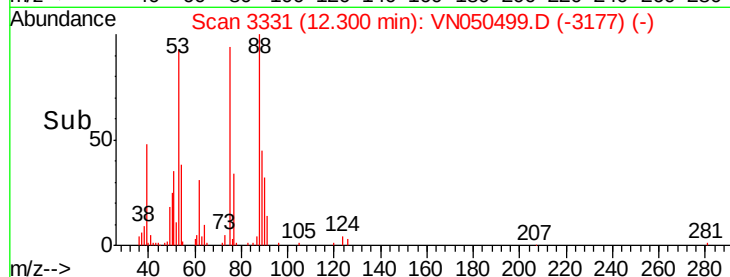
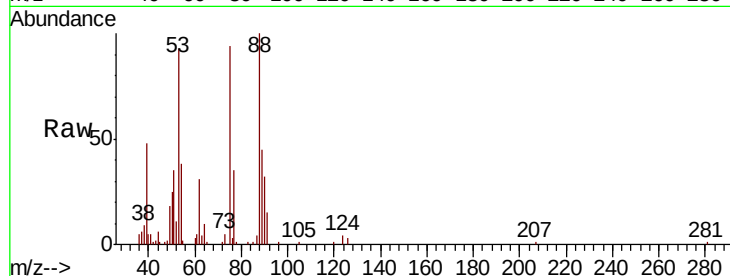
#77
t-1,4-Dichloro-2-butene
Concen: 13.86 ug/l
RT: 12.30 min Scan# 3331
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.4	44.6	134.0
89	48.6	20.7	62.1

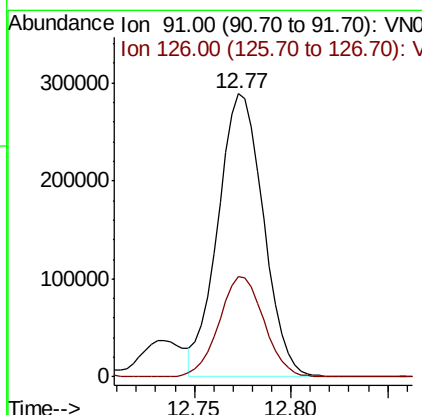
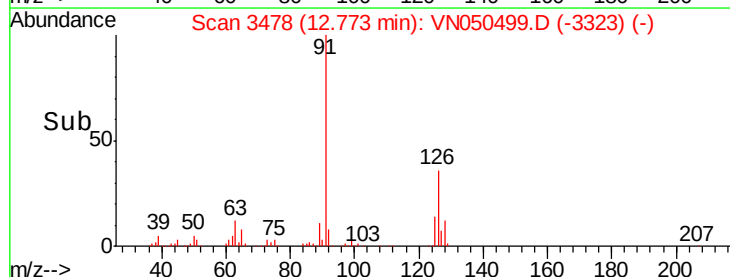
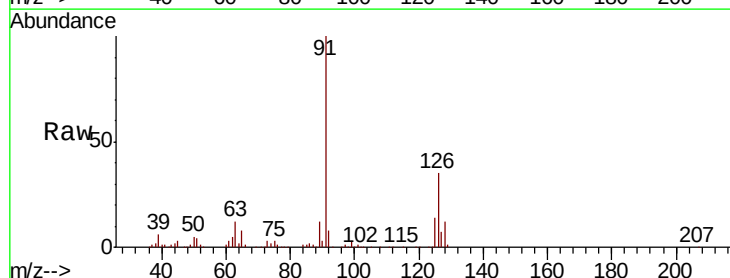
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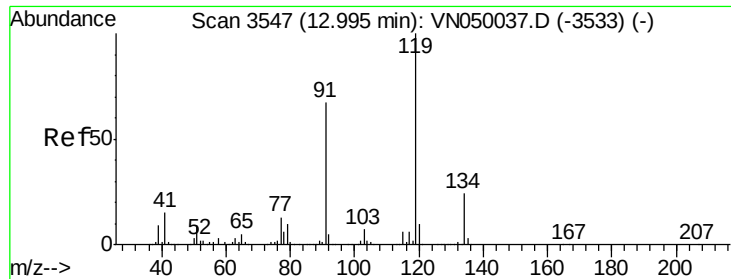
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#78
4-Chlorotoluene
Concen: 18.97 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	0.0	68.4





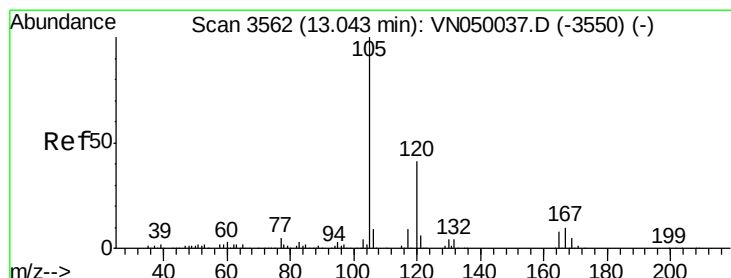
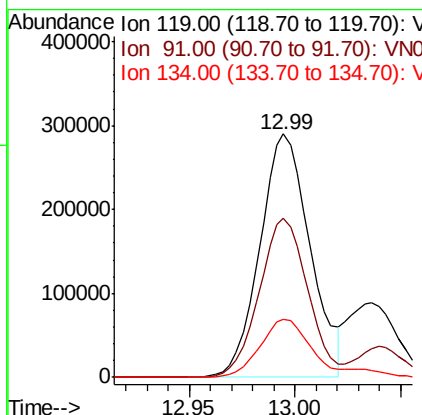
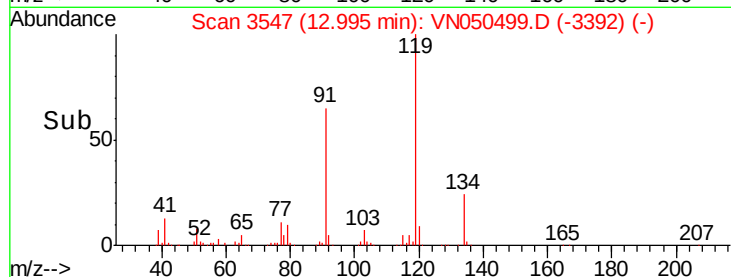
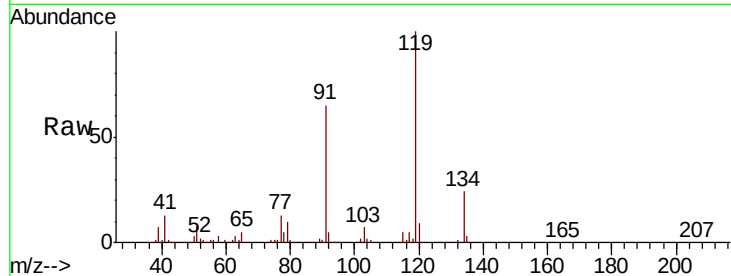
#79
tert-butylbenzene
Concen: 19.11 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
119	100	480317		
91	63.5	0.0	126.8	
134	23.5	0.0	47.4	

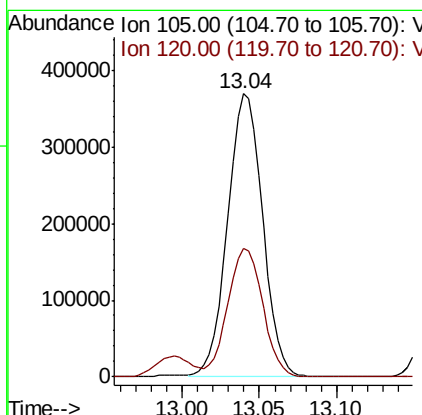
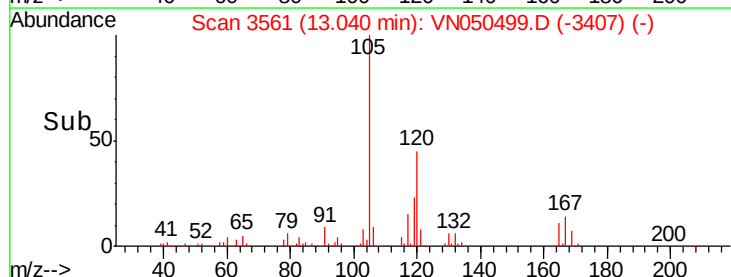
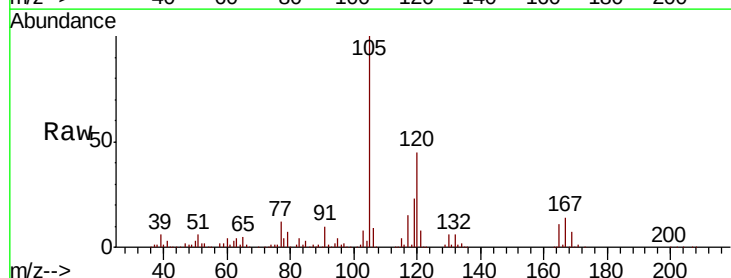
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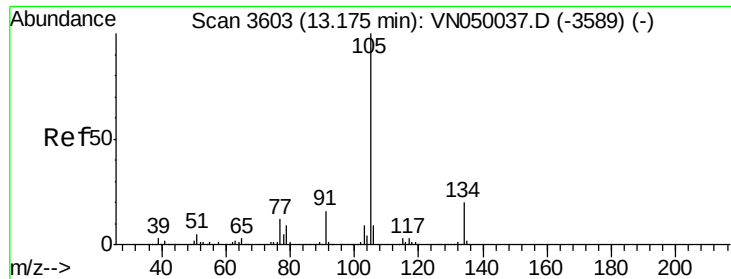
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#80
1,2,4-Trimethylbenzene
Concen: 19.46 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	579642		
120	45.3	0.0	90.6	





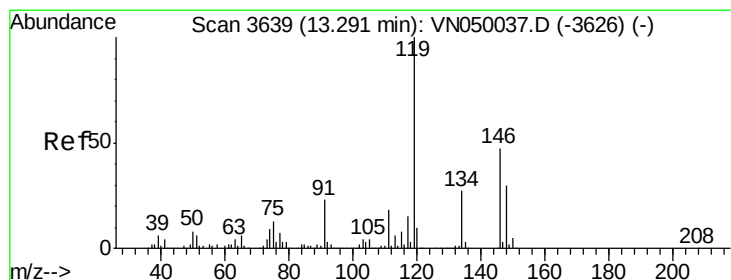
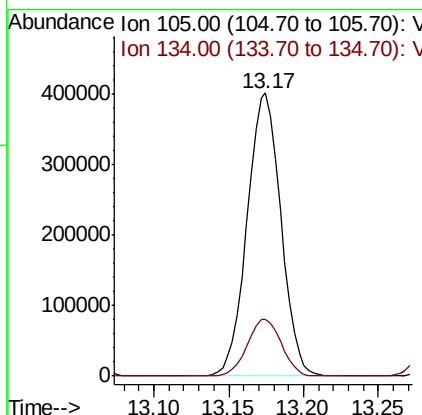
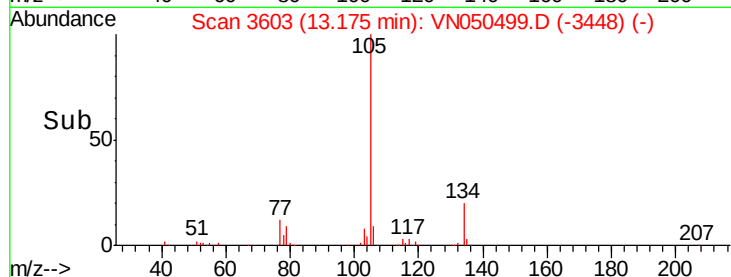
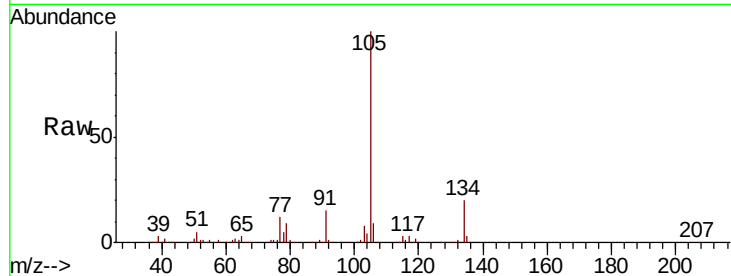
#81
 sec-Butylbenzene
 Concen: 18.48 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.3	0.0	40.6

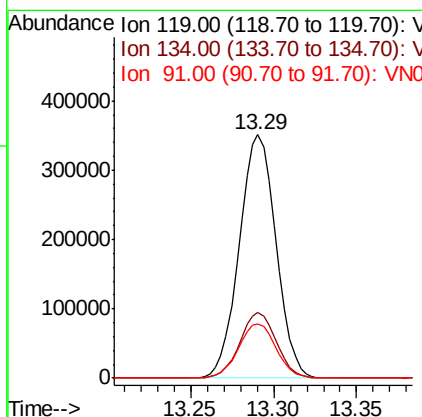
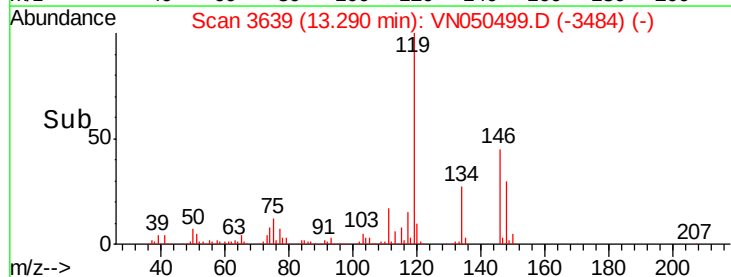
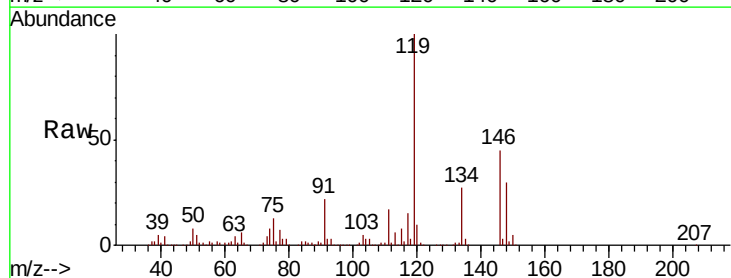
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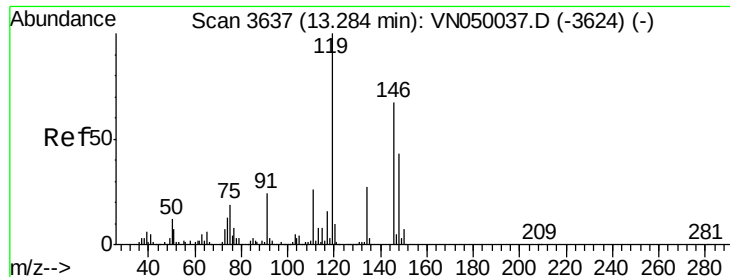
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#82
 p-Isopropyltoluene
 Concen: 18.52 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	52.2
91	22.7	0.0	45.6





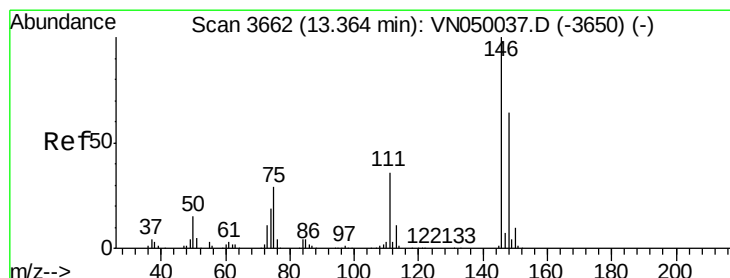
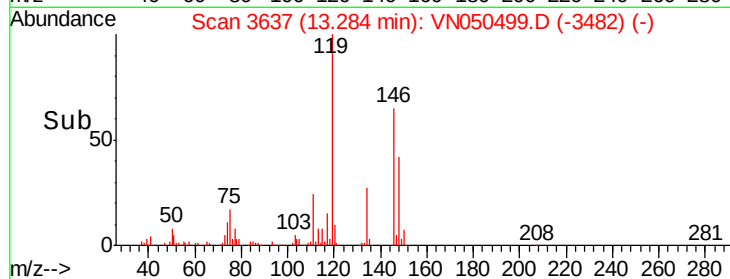
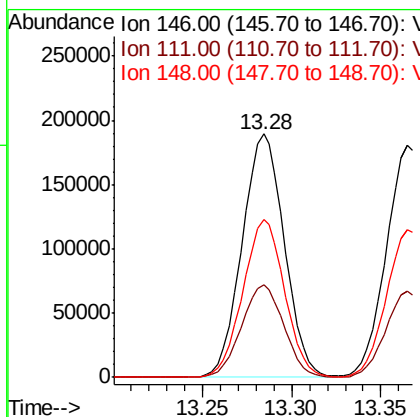
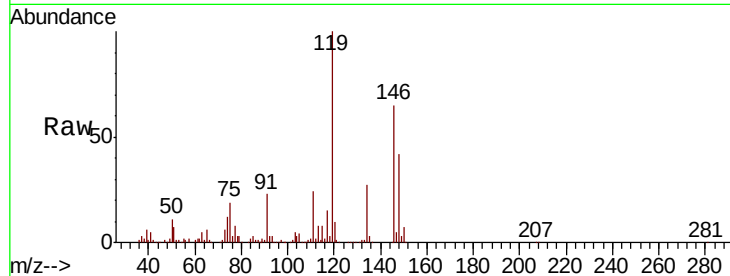
#83
 1,3-Dichlorobenzene
 Concen: 18.85 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.1	57.1
148	64.0	31.9	95.9

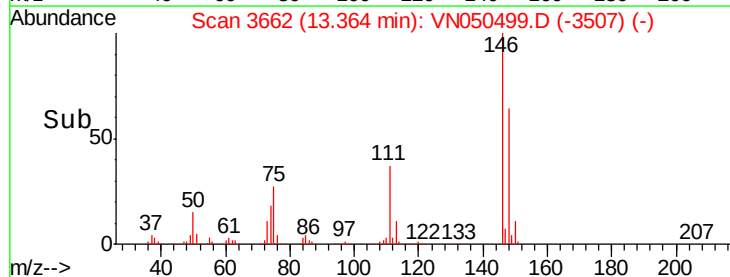
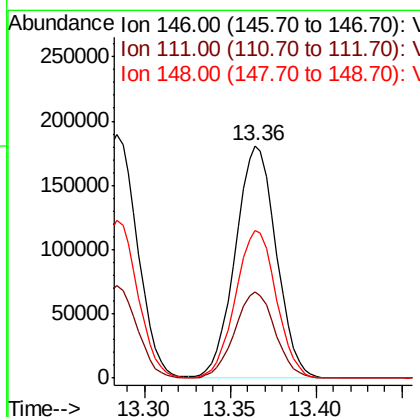
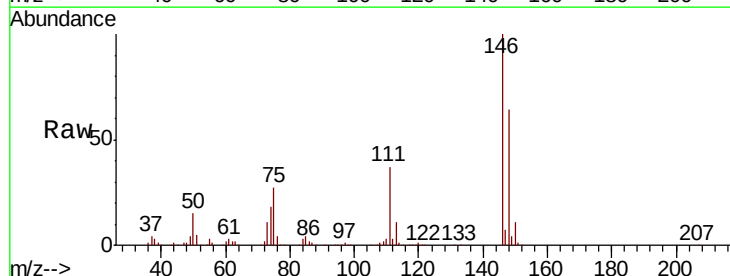
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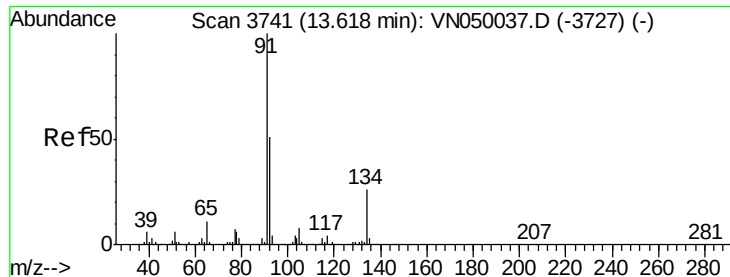
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#84
 1,4-Dichlorobenzene
 Concen: 19.01 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	17.9	53.8
148	63.4	32.4	97.0





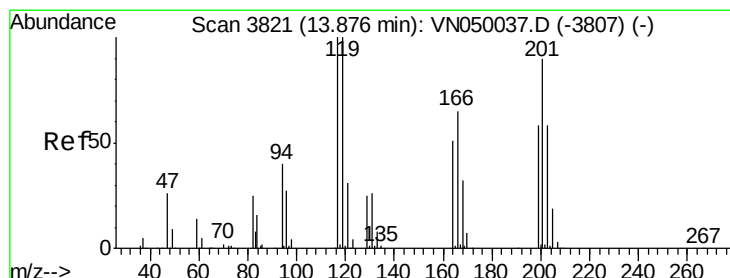
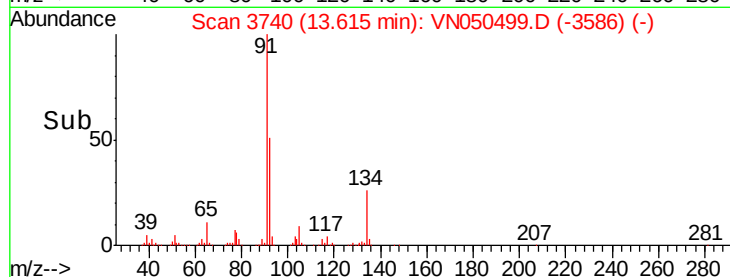
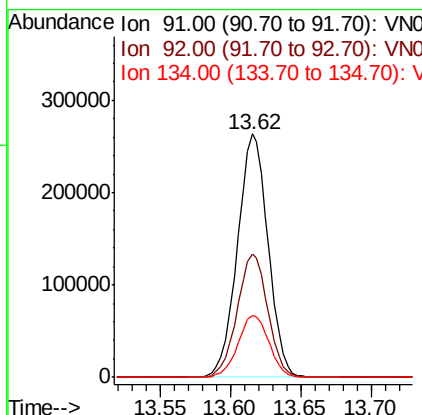
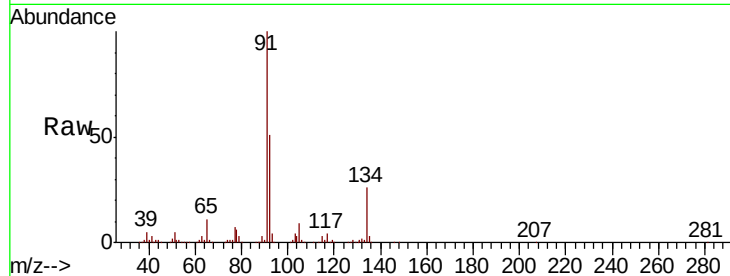
#85
n-Butylbenzene
Concen: 16.94 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	50.7	0.0	102.8	
134	25.9	0.0	51.0	

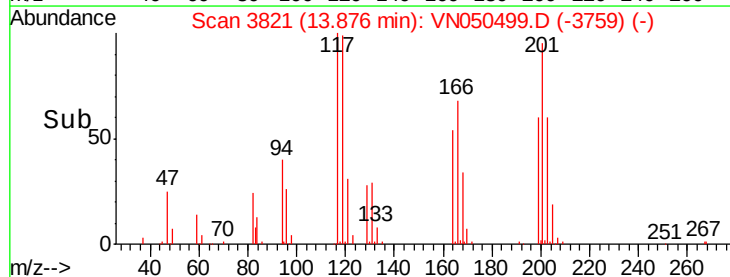
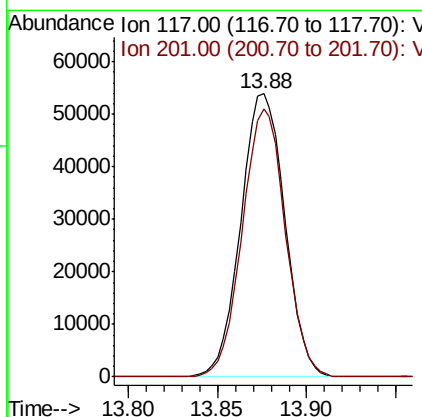
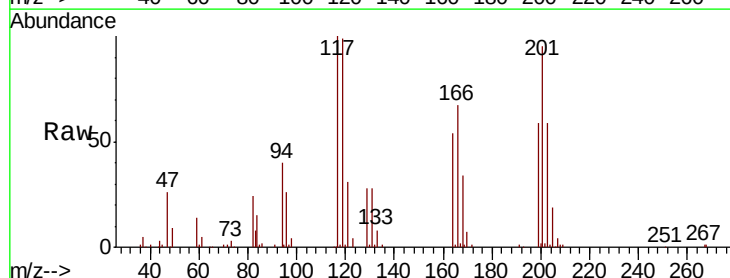
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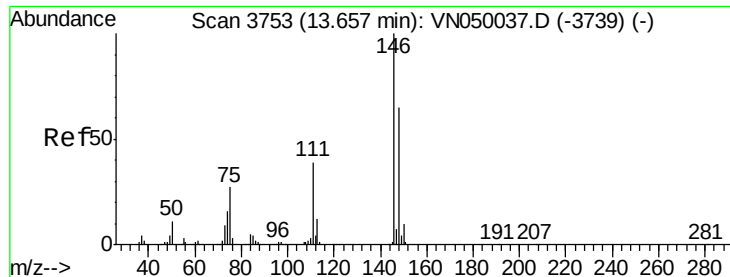
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#86
Hexachloroethane
Concen: 15.94 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	92.3	46.6	139.7	





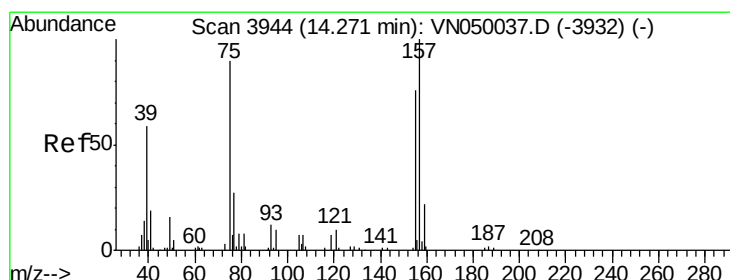
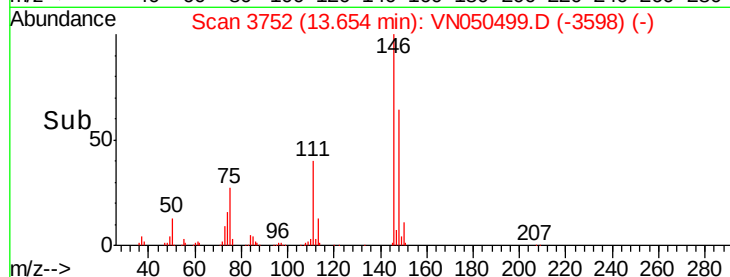
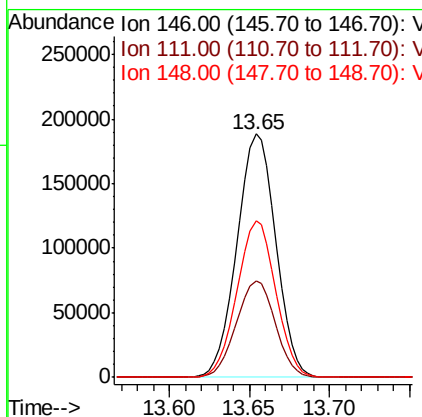
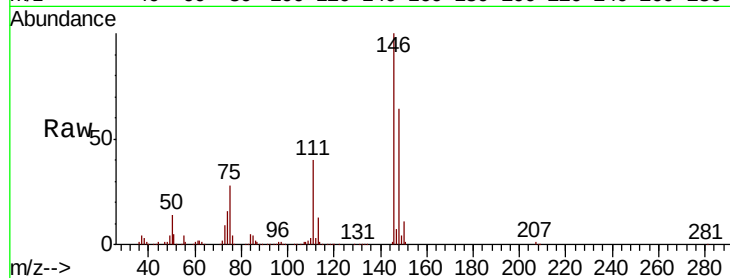
#87
 1,2-Dichlorobenzene
 Concen: 19.20 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.8	59.3
148	64.0	31.8	95.3

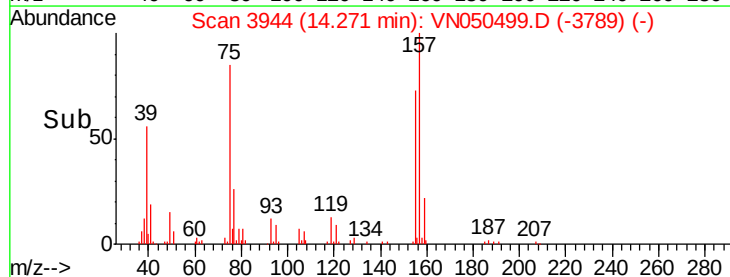
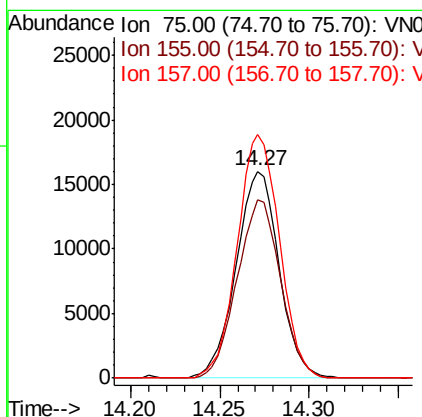
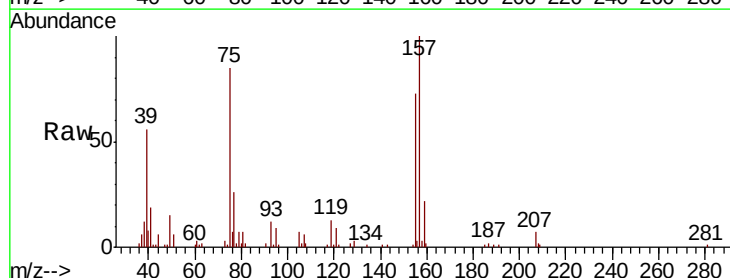
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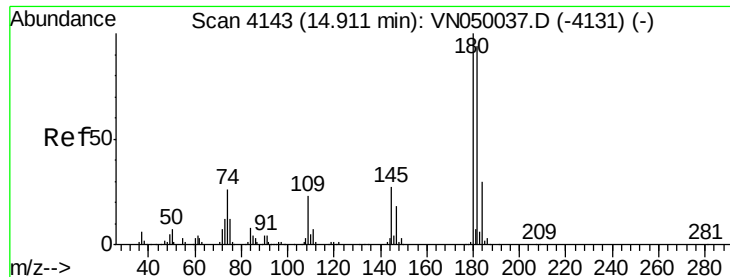
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 17.56 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	73.0	109.6
157	115.4	94.9	142.3





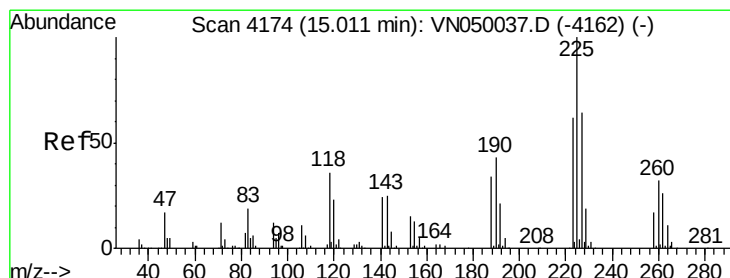
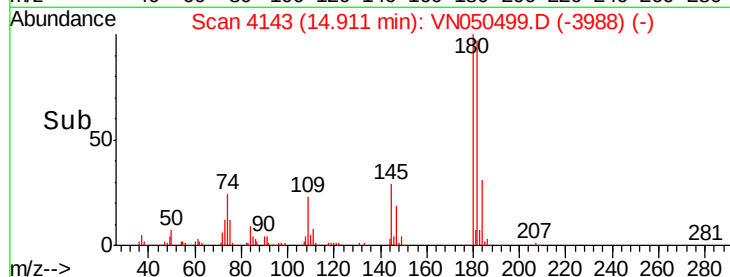
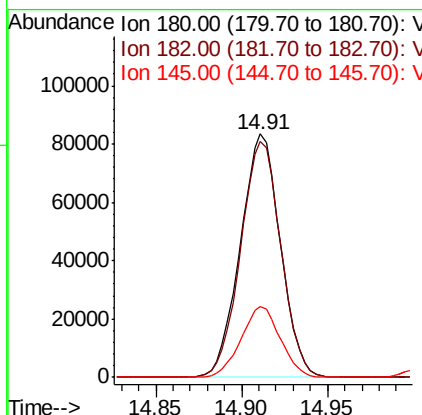
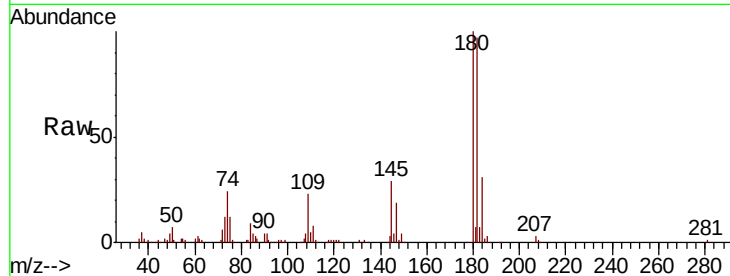
#89
1,2,4-Trichlorobenzene
Concen: 17.37 ug/l
RT: 14.91 min Scan# 4143
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampled :
VSTDCCC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	134659		
182	97.2	76.7	115.1	
145	28.6	23.4	35.0	

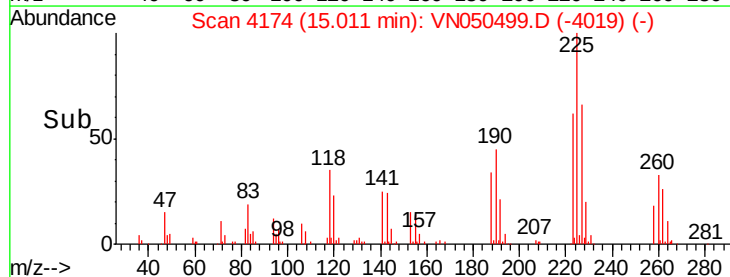
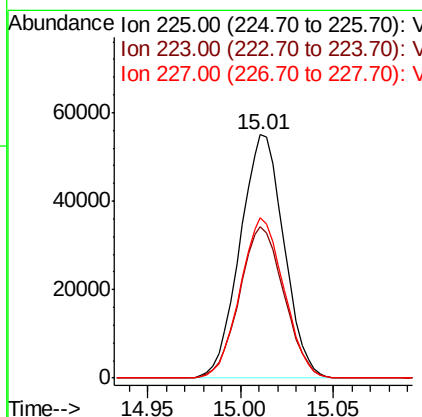
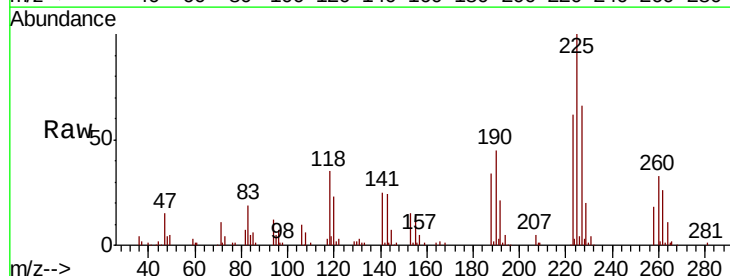
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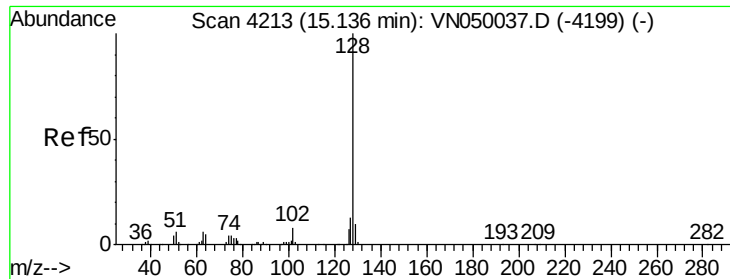
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#90
Hexachlorobutadiene
Concen: 17.68 ug/l
RT: 15.01 min Scan# 4174
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	90380		
223	62.9	0.0	124.4	
227	65.6	0.0	133.0	





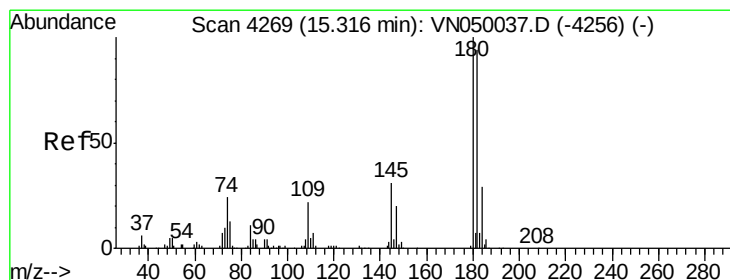
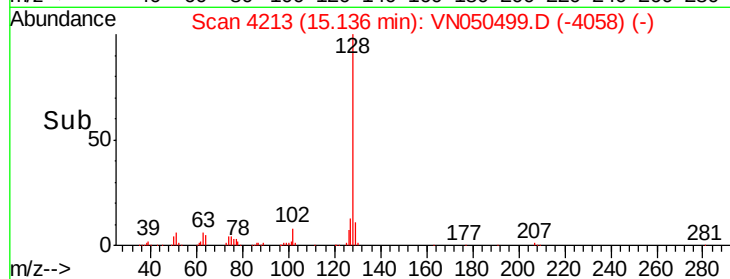
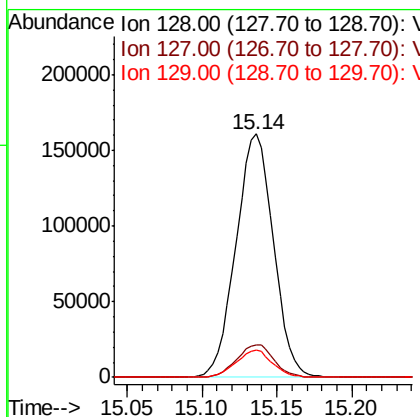
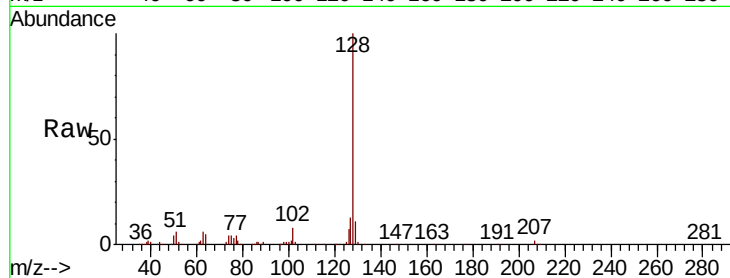
#91
Naphthalene
Concen: 19.21 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	10.9	9.0	13.4

Manual Integrations
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#92
1,2,3-Trichlorobenzene
Concen: 17.37 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.9	0.0	188.8
145	29.5	0.0	60.8

