

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091818\
 Data File : VN051285.D
 Acq On : 18 Sep 2018 8:06
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Manual Integrations
 APPROVED

MMDadoda
 9/19/2018 2:57:04 PM

Quant Time: Sep 18 14:22:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	94673	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.58	114	507686	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	439578	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	170855	28.28	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	94.27%
60) 4-Bromofluorobenzene	12.40	95	185251	28.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.47%
63) Toluene-d8	10.09	98	637214	31.09	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	103.63%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	89695	15.256 ug/l	99
3) Chloromethane	2.06	50	114892	16.549 ug/l	100
4) Vinyl Chloride	2.18	62	115944	16.902 ug/l	99
5) Bromomethane	2.57	94	64115	15.334 ug/l	97
6) Chloroethane	2.71	64	70453	17.413 ug/l	97
7) Trichlorofluoromethane	3.02	101	156845	17.247 ug/l	99
8) Diethyl Ether	3.41	74	48436	15.107 ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	101149	17.961 ug/l	98
10) 1,1-Dichloroethene	3.74	96	87562	17.117 ug/l	97
11) Methyl Iodide	3.95	142	80073	16.776 ug/l	99
12) Methyl Acetate	4.33	43	63103	10.668 ug/l	100
13) Acrolein	3.61	56	33301	254.236 ug/l	94
14) Acrylonitrile	4.99	53	127344	63.672 ug/l	99
15) Acetone	3.82	58	40716	79.557 ug/l	88
16) Carbon Disulfide	4.05	76	270876	17.611 ug/l	100
17) Allyl chloride	4.32	41	126141	15.671 ug/l	97
18) Methylene Chloride	4.55	84	102470	17.066 ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	93075	17.077 ug/l	98
20) Diisopropyl ether	5.95	45	264455	15.828 ug/l	95
21) 1,1-Dichloroethane	5.85	63	171263	16.718 ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	103148	16.754 ug/l	99
23) tert-Butyl Alcohol	4.79	59	22021	51.773 ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	204560	14.620 ug/l	99
25) Chloroform	7.37	83	176430	17.255 ug/l	98
26) Cyclohexane	7.65	56	137546	16.206 ug/l #	97
29) 1,1-Dichloropropene	7.79	75	131598	17.314 ug/l	98
30) 2-Butanone	6.84	43	142450	60.924 ug/l	100
31) 2,2-Dichloropropane	6.82	77	141550	19.140 ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	151506	17.578 ug/l	98
33) Carbon Tetrachloride	7.77	117	138927	17.899 ug/l	96
34) Benzene	8.04	78	400222	17.021 ug/l	98
35) Methacrylonitrile	7.17	41	32113	12.536 ug/l	93
36) 1,2-Dichloroethane	8.12	62	118969	16.730 ug/l	100
37) Trichloroethene	8.83	130	110262	17.942 ug/l	100
38) Methylcyclohexane	9.08	83	139770	17.122 ug/l	97
39) 1,2-Dichloropropane	9.12	63	103250	16.813 ug/l	98
40) Dibromomethane	9.21	93	59221	16.009 ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	132681	17.015	ug/l	98
42) Vinyl Acetate	5.90	43	792230	73.560	ug/l	99
43) Ethyl Acetate	6.93	43	61024	12.740	ug/l	96
44) Isopropyl Acetate	8.17	43	113181	13.391	ug/l	99
45) 1,4-Dioxane	9.20	88	15556	247.763	ug/l	95
46) Methyl methacrylate	9.20	41	52382	12.374	ug/l	96
47) n-amyl Acetate	12.07	43	69940	10.292	ug/l	98
48) t-1,3-Dichloropropene	10.38	75	120318	15.740	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	146829	16.722	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	86818	16.153	ug/l	99
51) Ethyl methacrylate	10.43	69	87210	13.261	ug/l	98
52) 1,3-Dichloropropane	10.71	76	136427	15.324	ug/l	98
53) Dibromochloromethane	10.90	129	101008	16.527	ug/l	98
54) 1,2-Dibromoethane	11.00	107	80805	15.204	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	201582	73.670	ug/l	98
56) Bromoform	12.12	173	65922	15.166	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	294805	58.616	ug/l	98
59) 2-Hexanone	10.75	43	182168	55.413	ug/l	99
61) Tetrachloroethene	10.63	164	99688	18.199	ug/l	95
62) Toluene	10.15	91	426378	17.386	ug/l	99
64) Chlorobenzene	11.43	112	258387	17.000	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	103481	18.032	ug/l	99
66) Ethyl Benzene	11.51	91	417239	16.425	ug/l	100
67) m/p-Xylenes	11.62	106	339957	34.783	ug/l	98
68) o-Xylene	11.95	106	158963	17.022	ug/l	98
69) Styrene	11.96	104	247445	16.665	ug/l	98
70) Isopropylbenzene	12.25	105	423176	17.053	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	95749	14.251	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	80710m	13.924	ug/l	
73) Bromobenzene	12.53	156	106725	16.346	ug/l	95
74) n-propylbenzene	12.59	91	451272	16.085	ug/l	98
75) 2-Chlorotoluene	12.67	91	285834	16.770	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	344356	16.981	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	19921	12.063	ug/l	97
78) 4-Chlorotoluene	12.77	91	266359	15.871	ug/l	97
79) tert-butylbenzene	12.99	119	300481	17.061	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	334997	16.569	ug/l	99
81) sec-Butylbenzene	13.17	105	387734	16.826	ug/l	99
82) p-Isopropyltoluene	13.29	119	332116	16.697	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	170936	15.485	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	153985	14.722	ug/l	99
85) n-Butylbenzene	13.61	91	215011	14.167	ug/l	99
86) Hexachloroethane	13.87	117	67746	17.745	ug/l	95
87) 1,2-Dichlorobenzene	13.65	146	169362	15.587	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10905	11.601	ug/l	91
89) 1,2,4-Trichlorobenzene	14.91	180	46306	9.573	ug/l	99
90) Hexachlorobutadiene	15.01	225	65827	20.030	ug/l	96
91) Naphthalene	15.13	128	76469	13.635	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	53304	10.982	ug/l	98

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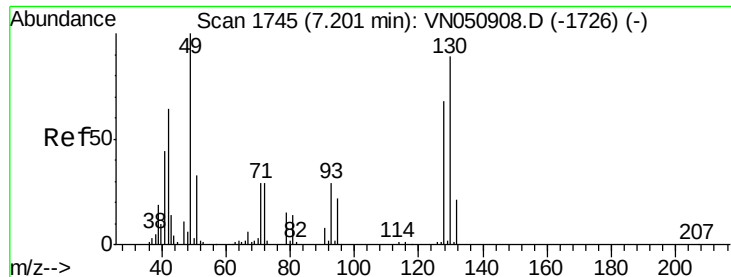
Manual Integrations
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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+)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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. -0.01 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

Instrument :

MSVOA_N

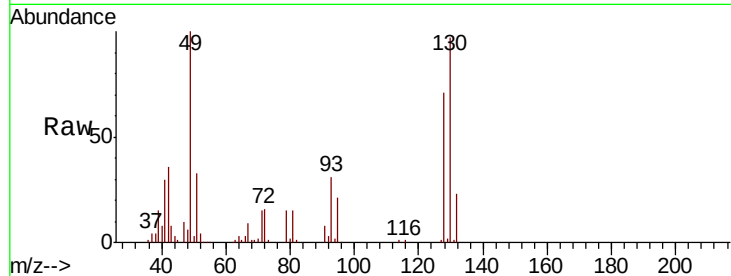
ClientSampleId :

VSTDCCC020

Tgt Ion:	128	Resp:	94673
Ion	Ratio	Lower	Upper
128	100		
49	140.6	0.0	380.3
130	131.6	0.0	325.3

Manual Integrations
APPROVED

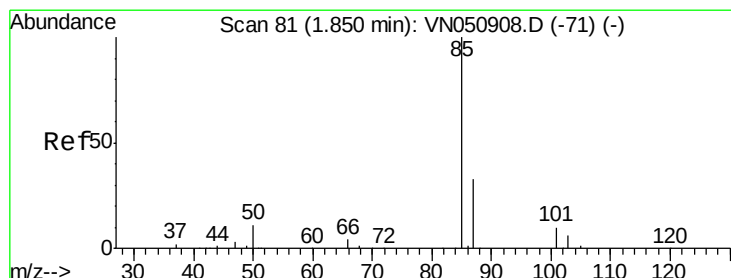
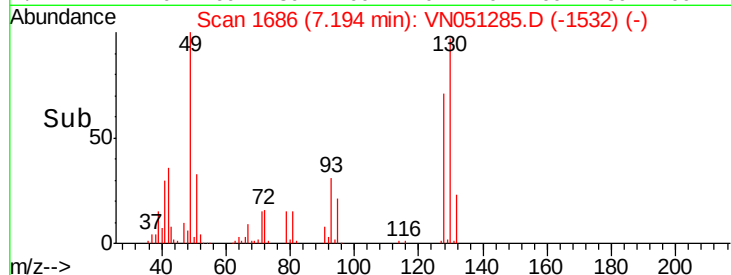
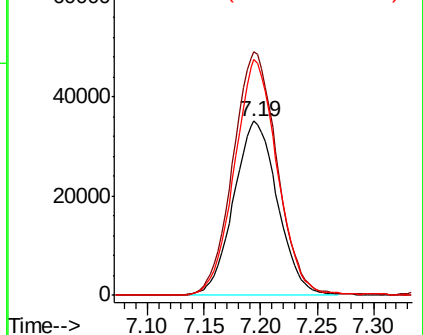
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 15.256 ug/l

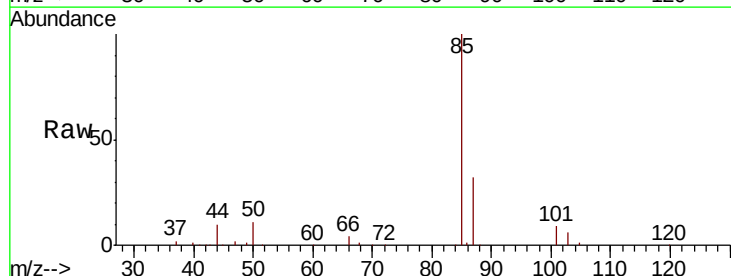
RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051285.D

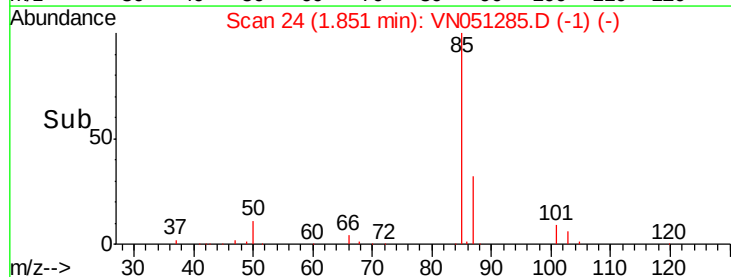
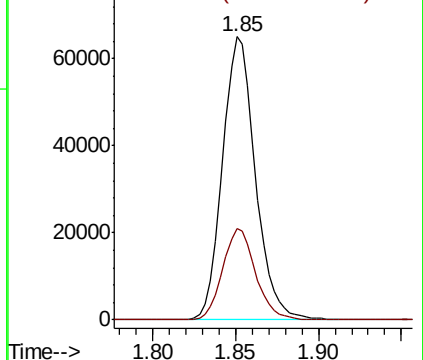
Acq: 18 Sep 2018 8:06

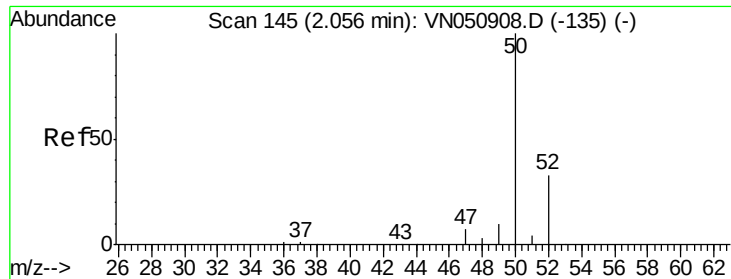
Tgt Ion:	85	Resp:	89695
Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.4	49.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 16.549 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 50 Resp: 114892

Ion Ratio Lower Upper

50 100

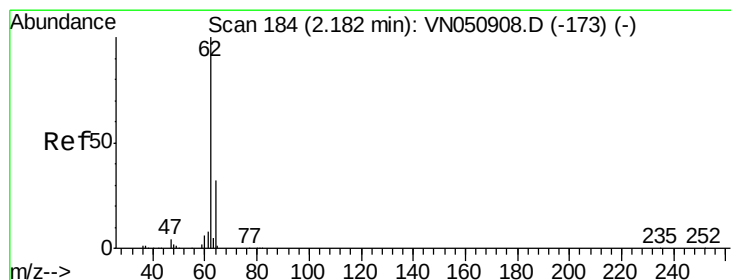
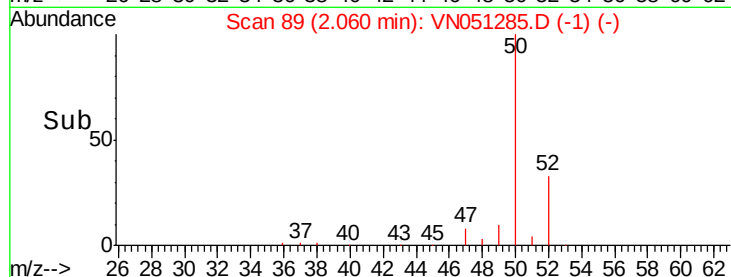
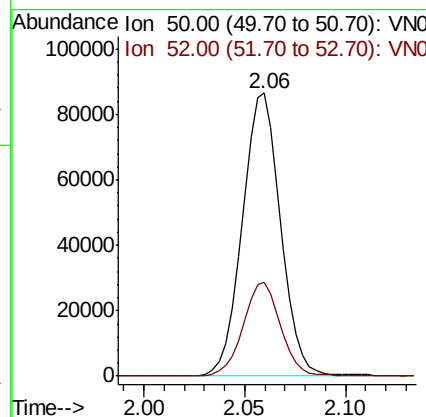
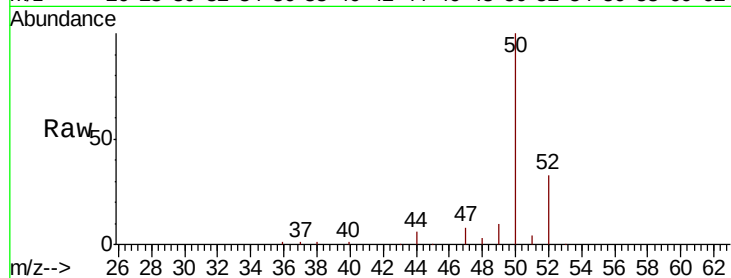
52 33.0 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.902 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN051285.D

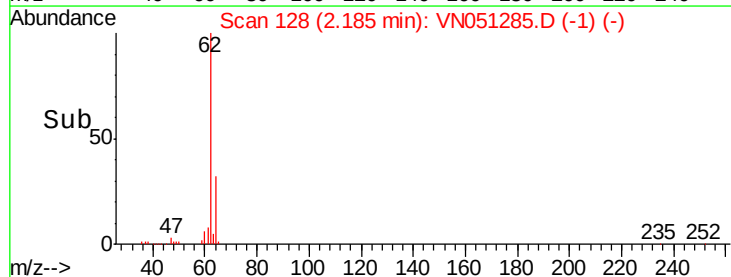
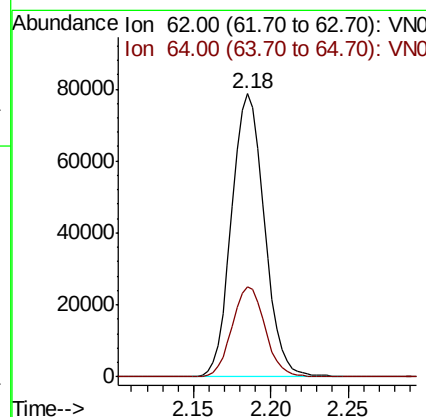
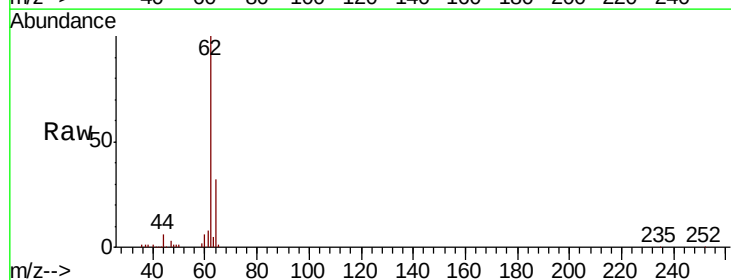
Acq: 18 Sep 2018 8:06

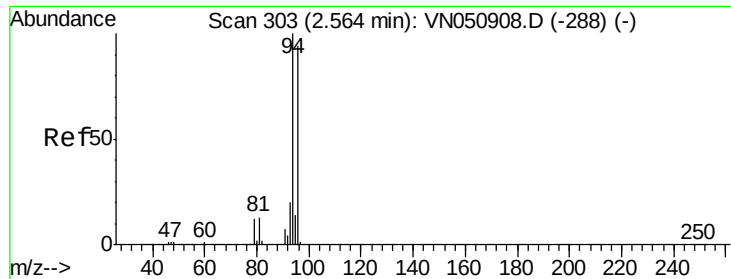
Tgt Ion: 62 Resp: 115944

Ion Ratio Lower Upper

62 100

64 32.0 25.4 38.0





#5

Bromomethane

Concen: 15.334 ug/l

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 94 Resp: 64115

Ion Ratio Lower Upper

94 100

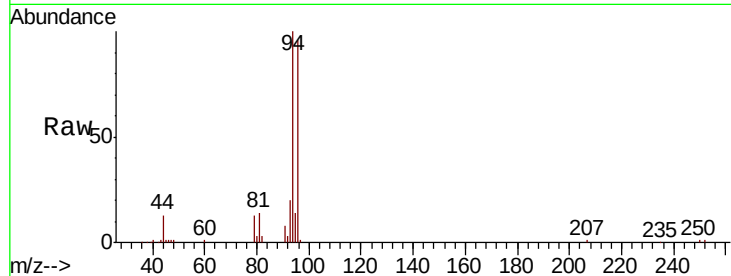
96 96.2 74.9 112.3

Manual Integrations

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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO

2.57

40000

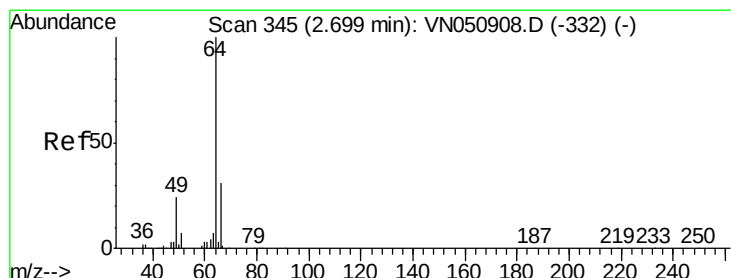
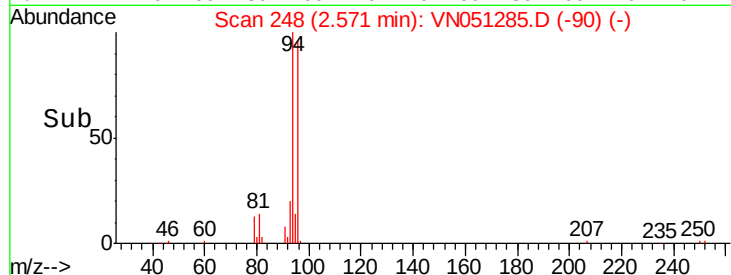
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 17.413 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN051285.D

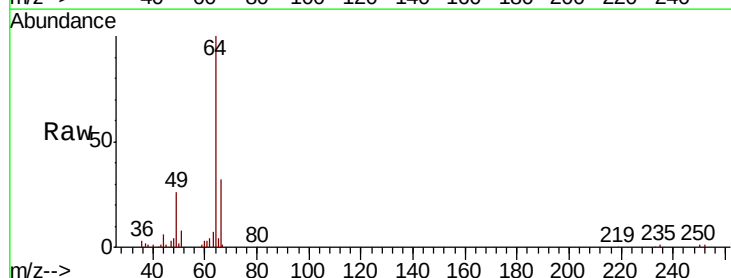
Acq: 18 Sep 2018 8:06

Tgt Ion: 64 Resp: 70453

Ion Ratio Lower Upper

64 100

66 32.4 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO

2.71

40000

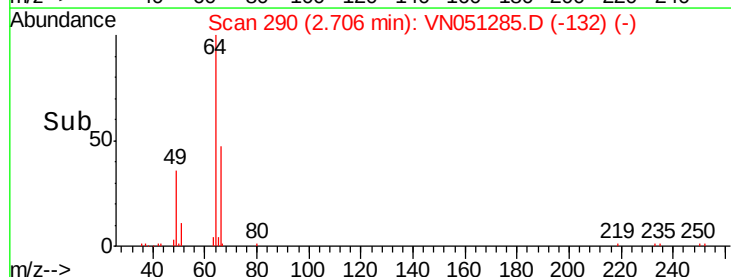
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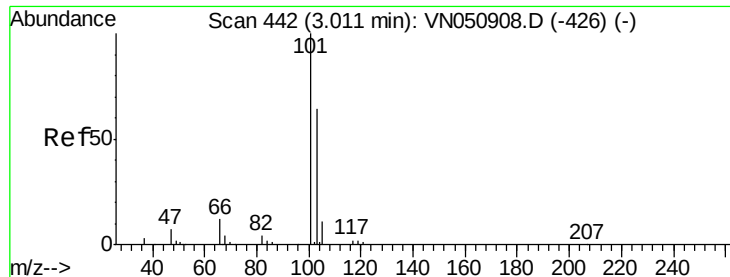
20000

10000

0

Time-->





#7

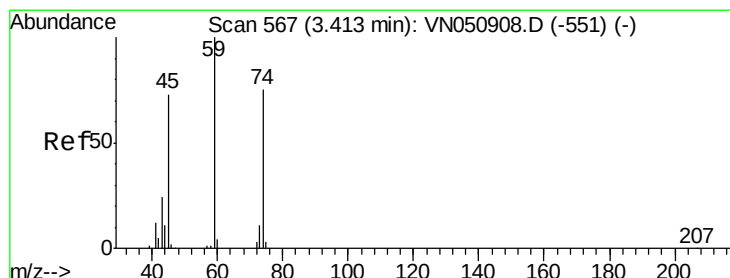
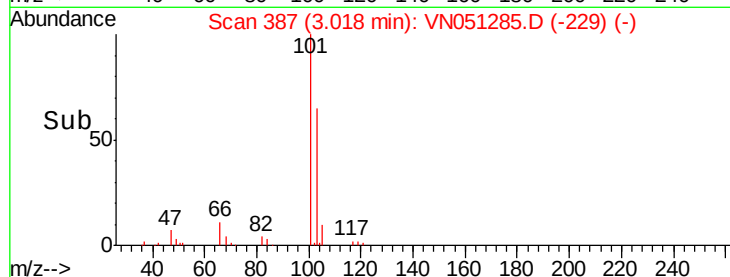
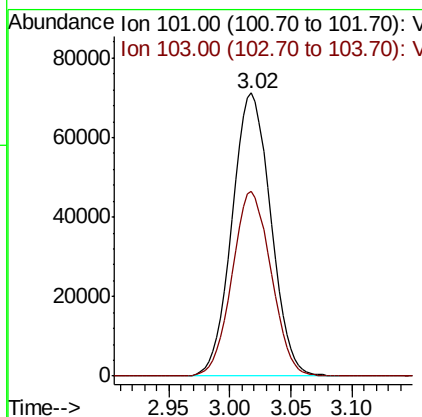
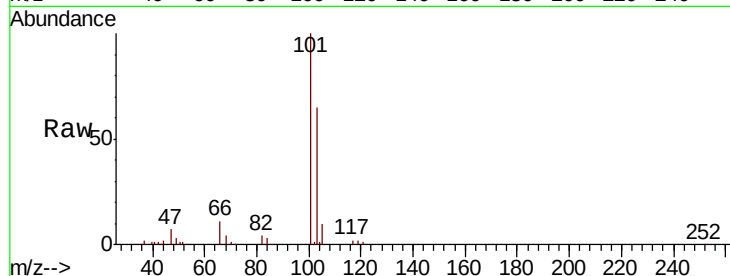
Trichlorofluoromethane
 Concen: 17.247 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.01 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Instrument :
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 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	156845		
103	65.2	51.3	76.9	

Manual Integrations
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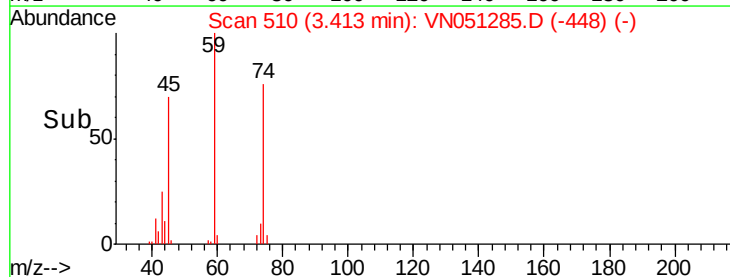
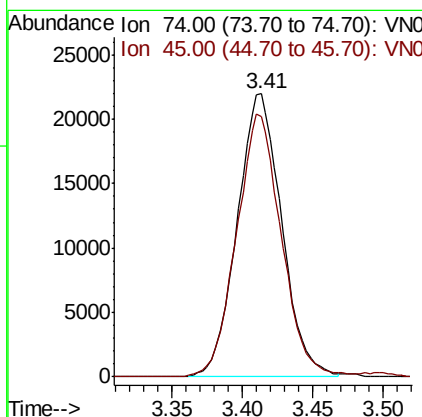
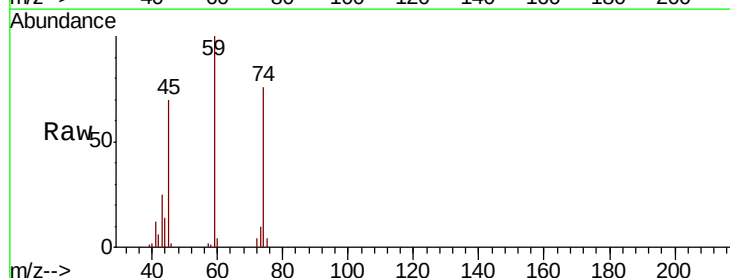
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 9/19/2018 2:57:04 PM

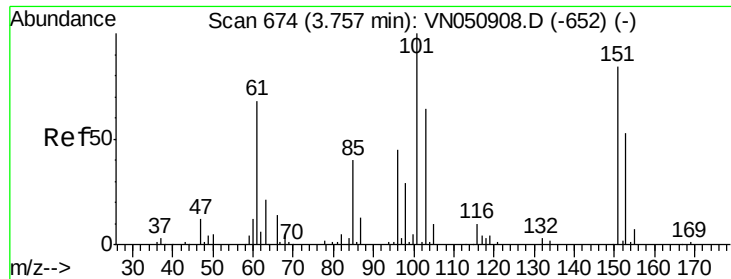


#8

Diethyl Ether
 Concen: 15.107 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	48436		
45	93.6	19.7	177.1	





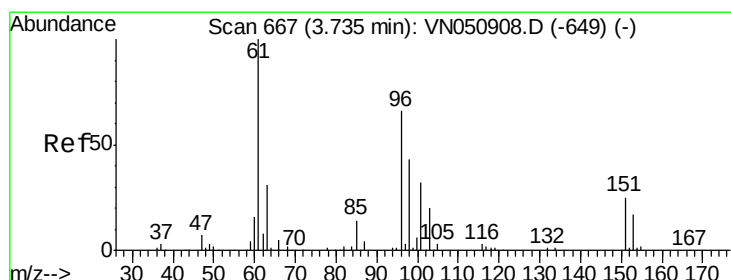
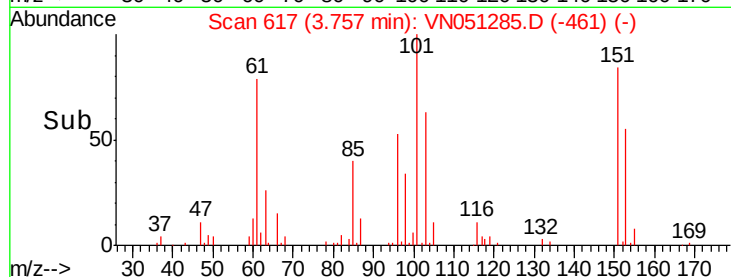
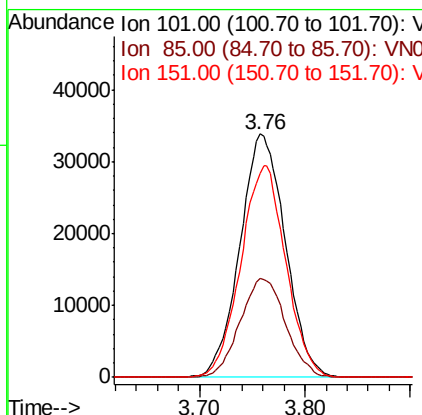
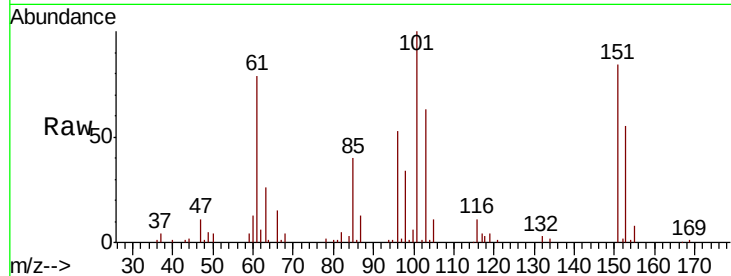
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.961 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. 0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	101149		
85	40.7	0.0	83.6	
151	86.0	0.0	167.0	

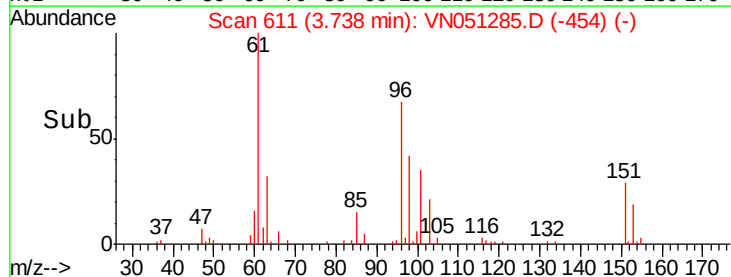
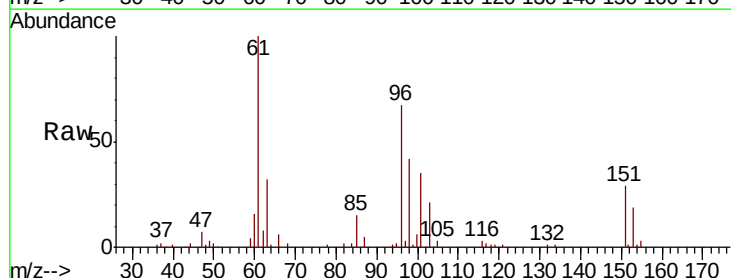
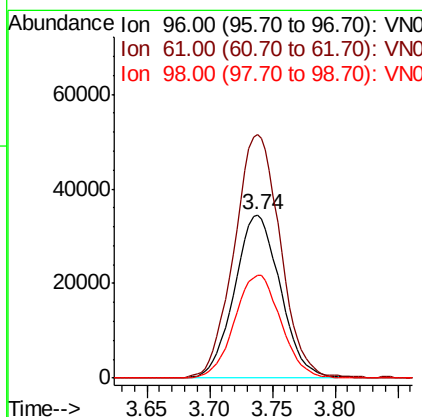
Manual Integrations
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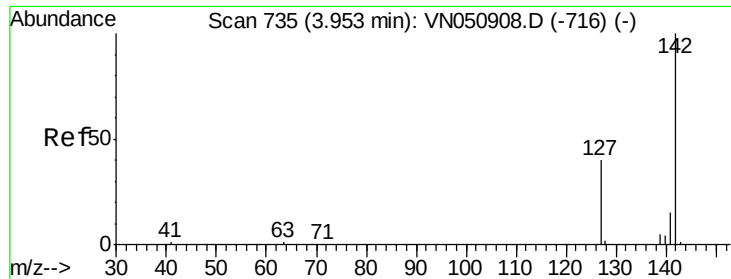
MMDadoda
 9/19/2018 2:57:04 PM



#10
 1,1-Dichloroethene
 Concen: 17.117 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	87562		
61	147.9	121.8	182.8	
98	62.8	52.3	78.5	





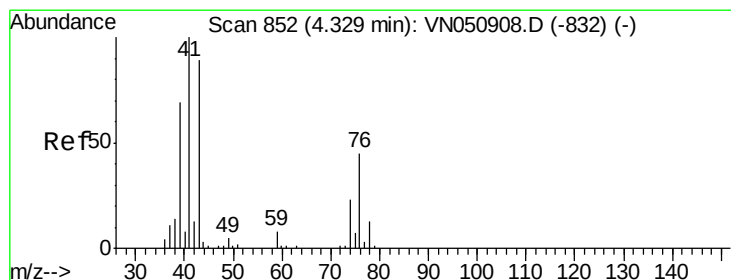
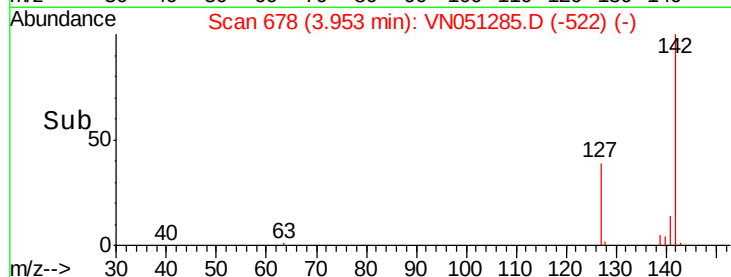
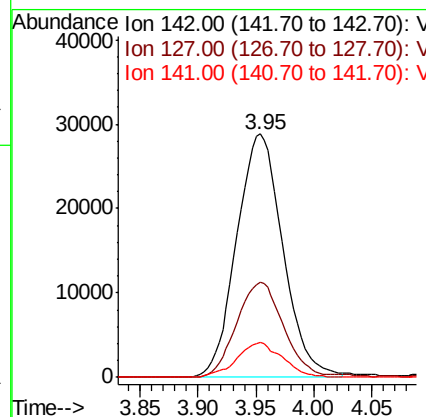
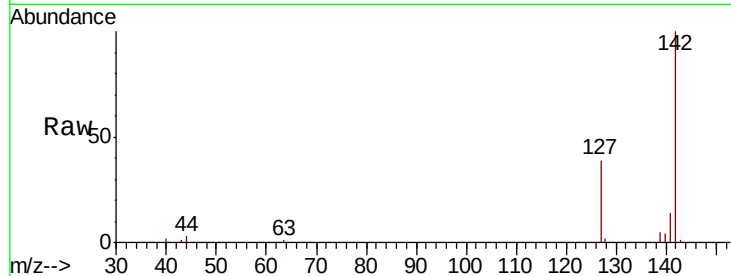
#11
Methyl Iodide
Concen: 16.776 ug/l
RT: 3.95 min Scan# 678
Delta R.T. 0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.8	19.7	59.1
141	14.4	7.3	22.0

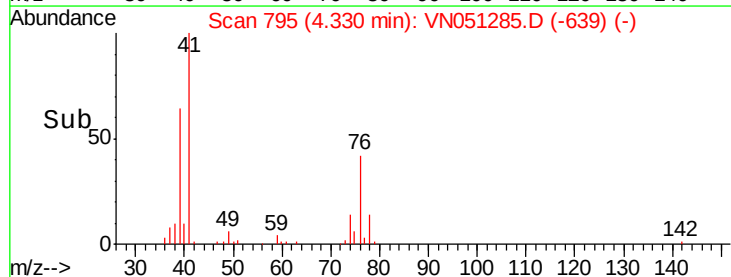
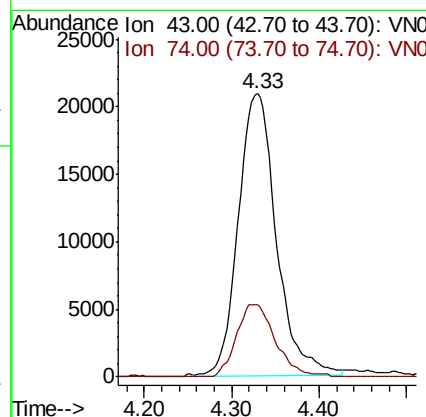
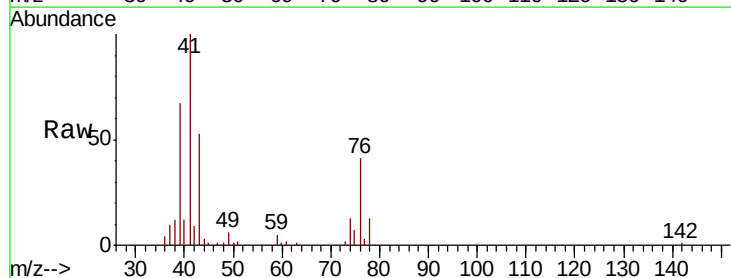
Manual Integrations
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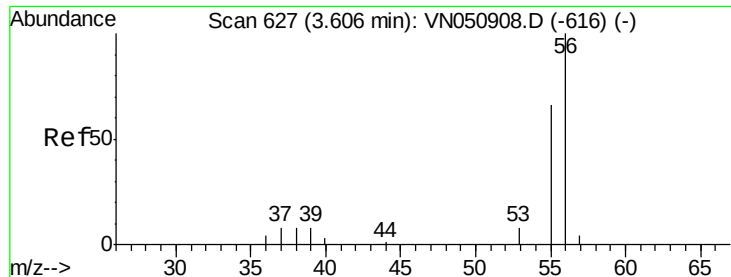
MMDadoda
9/19/2018 2:57:04 PM



#12
Methyl Acetate
Concen: 10.668 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.7	20.6	31.0





#13

Acrolein

Concen: 254.236 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tgt Ion: 56 Resp: 33301

Ion Ratio Lower Upper

56 100

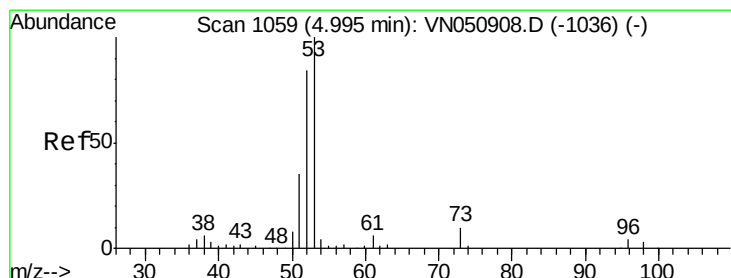
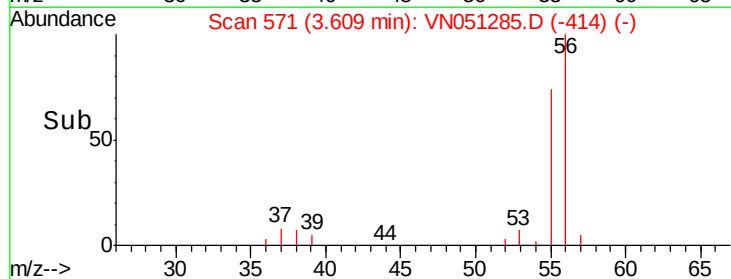
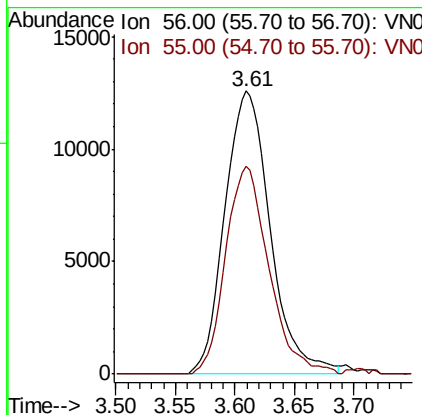
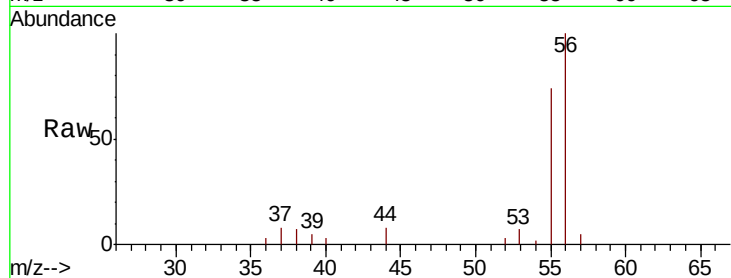
55 69.1 59.1 88.7

Manual Integrations

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#14

Acrylonitrile

Concen: 63.672 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.01 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

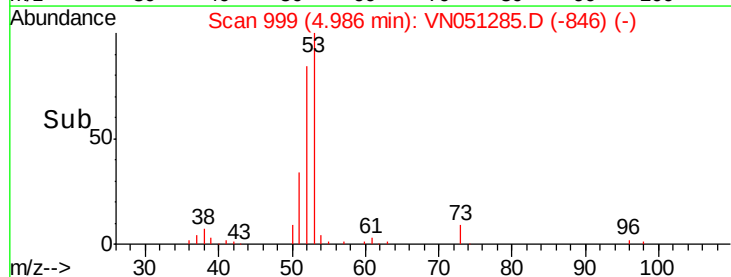
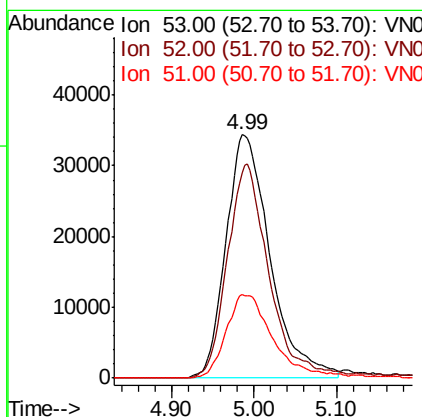
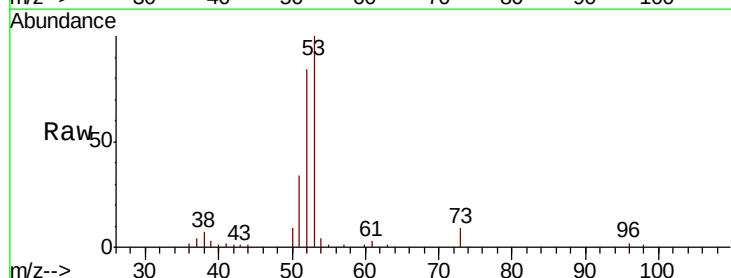
Tgt Ion: 53 Resp: 127344

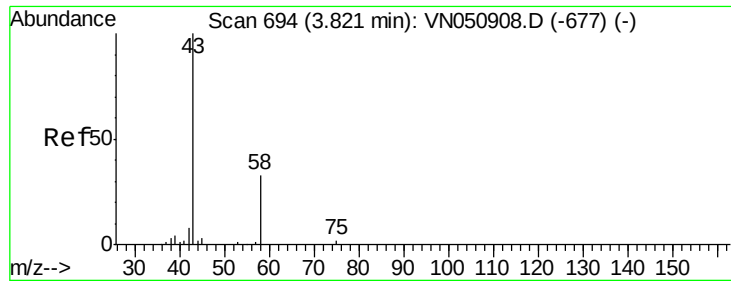
Ion Ratio Lower Upper

53 100

52 82.7 42.2 126.6

51 35.6 17.7 53.1





#15

Acetone

Concen: 79.557 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 58 Resp: 40716

Ion Ratio Lower Upper

58 100

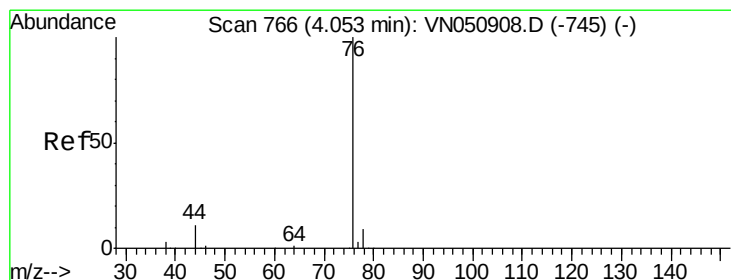
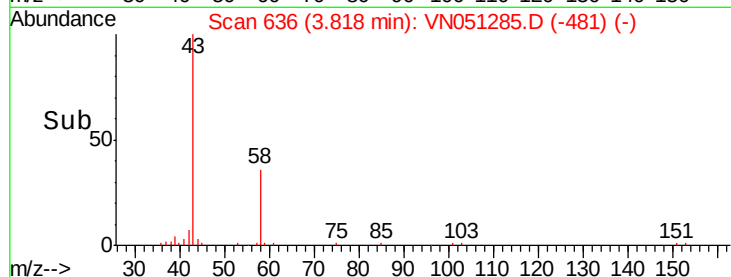
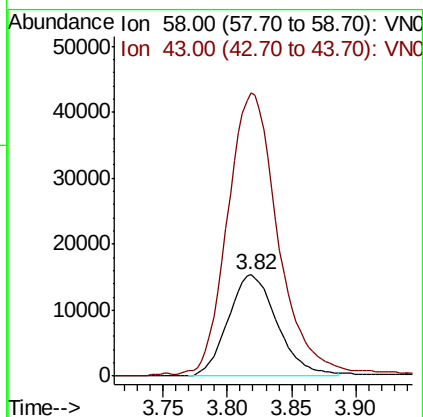
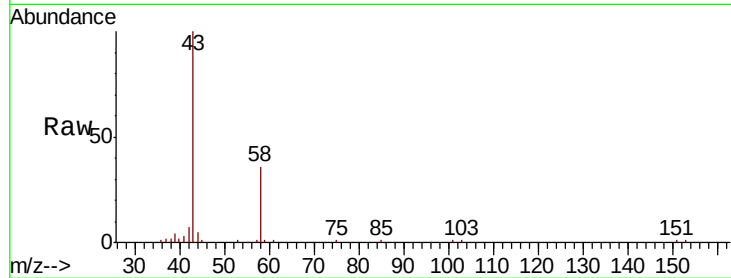
43 275.1 239.4 359.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 17.611 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051285.D

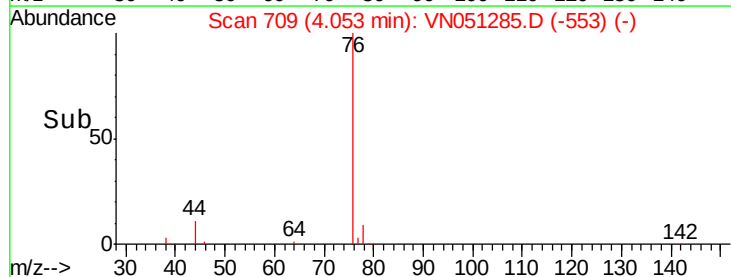
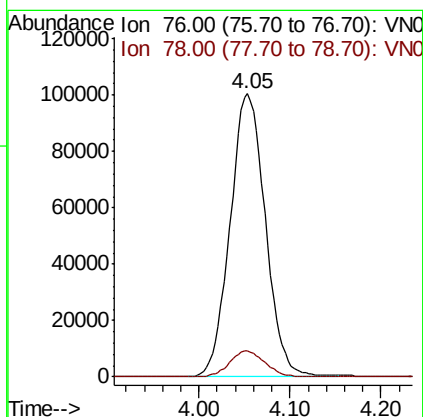
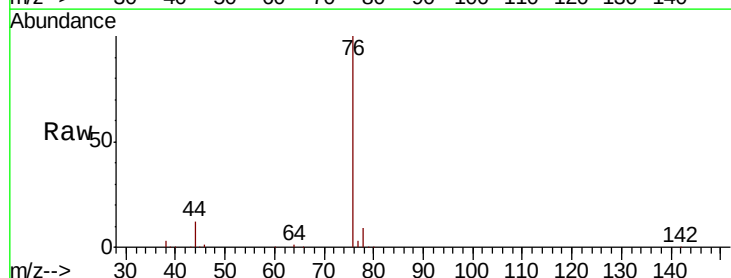
Acq: 18 Sep 2018 8:06

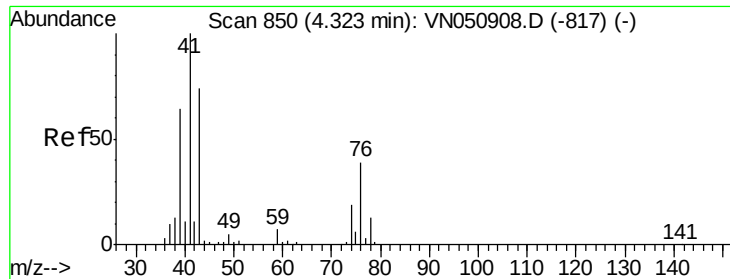
Tgt Ion: 76 Resp: 270876

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9





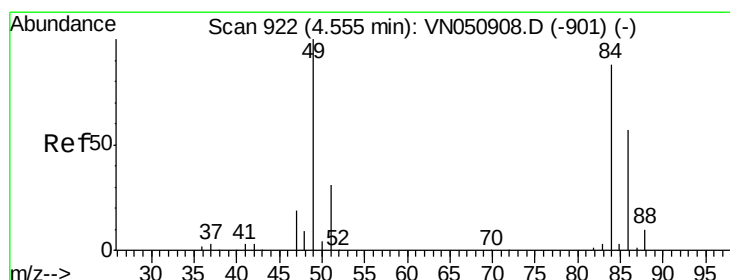
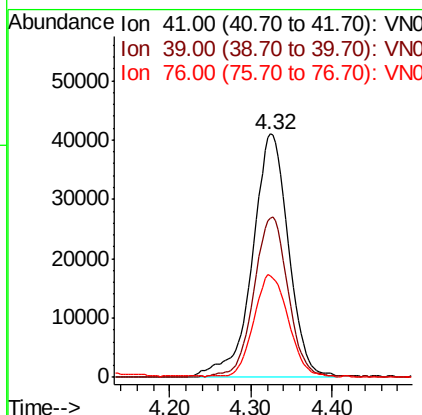
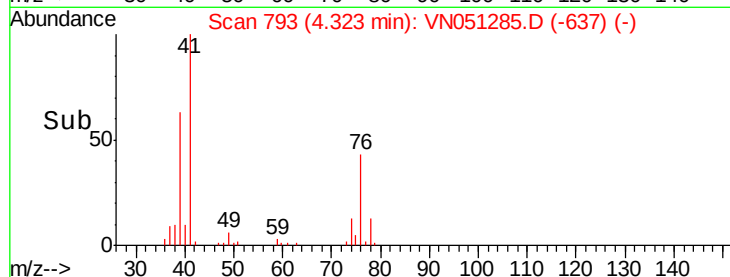
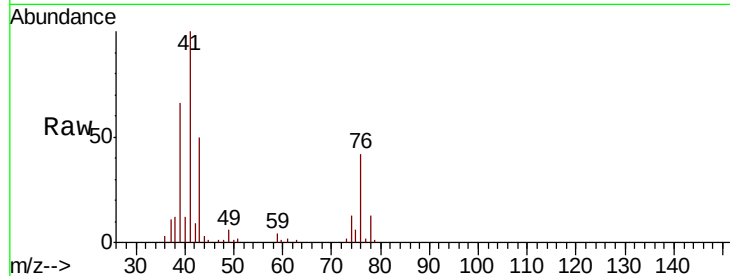
#17
 Allyl chloride
 Concen: 15.671 ug/l
 RT: 4.32 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
41	100		
39	65.6	32.2	96.6
76	41.8	19.6	58.7

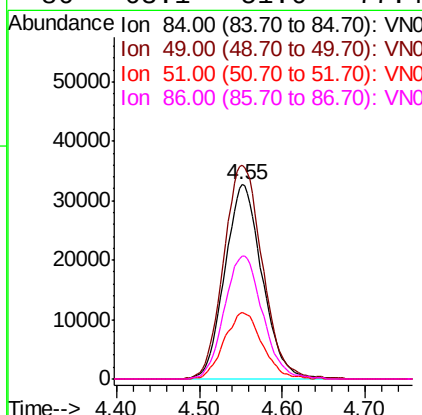
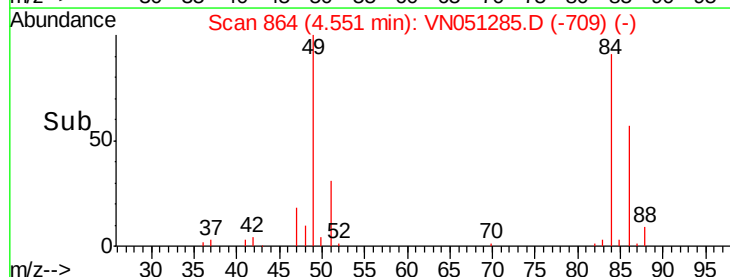
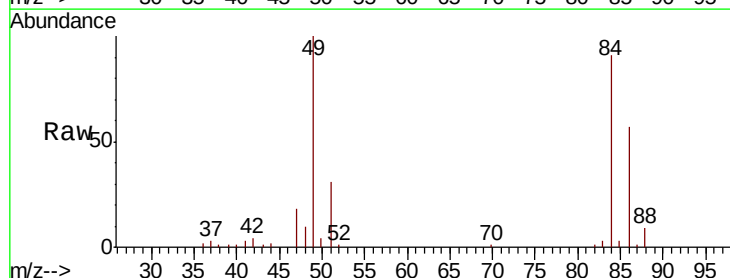
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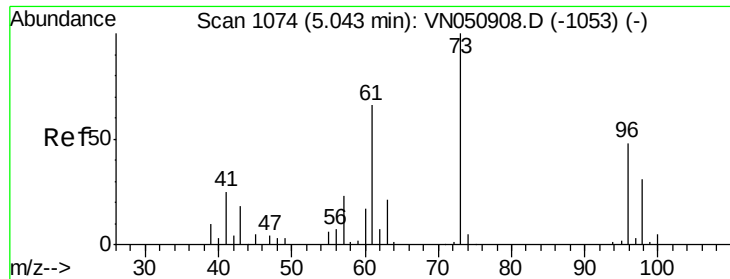
MMDadoda
 9/19/2018 2:57:04 PM



#18
 Methylene Chloride
 Concen: 17.066 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.3	90.6	135.8
51	34.4	28.4	42.6
86	63.1	51.6	77.4





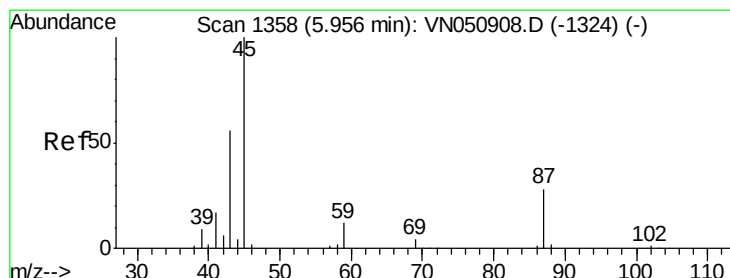
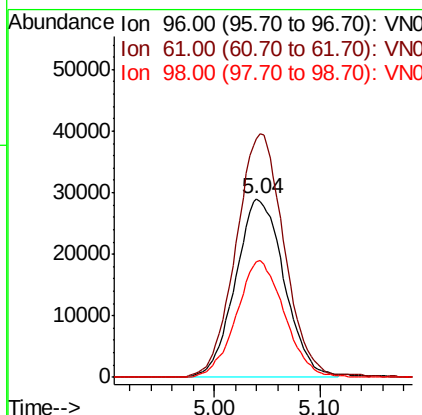
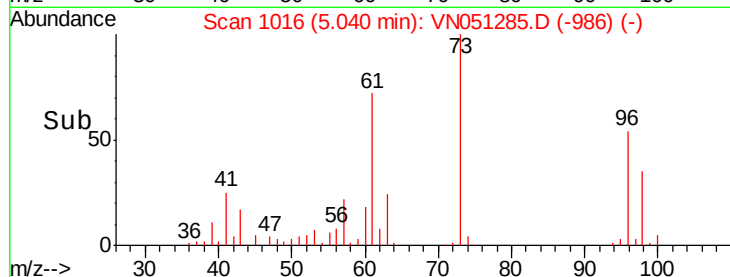
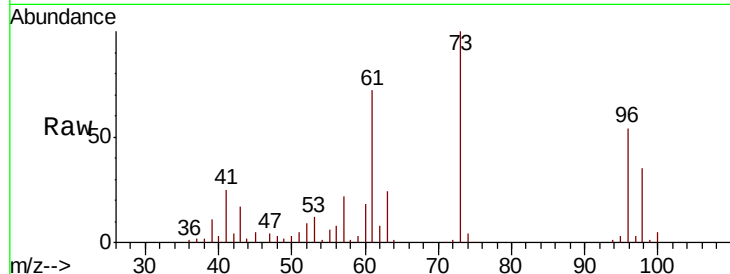
#19
trans-1,2-Dichloroethene
Concen: 17.077 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 96 Resp: 93075
Ion Ratio Lower Upper
96 100
61 132.8 109.5 164.3
98 64.8 51.9 77.9

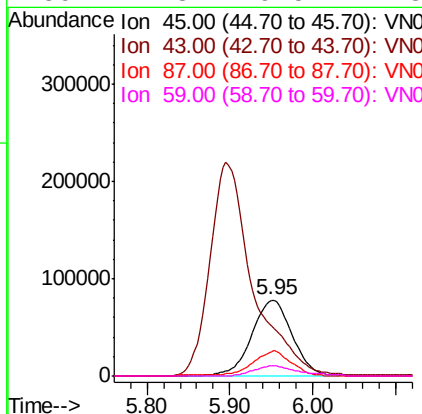
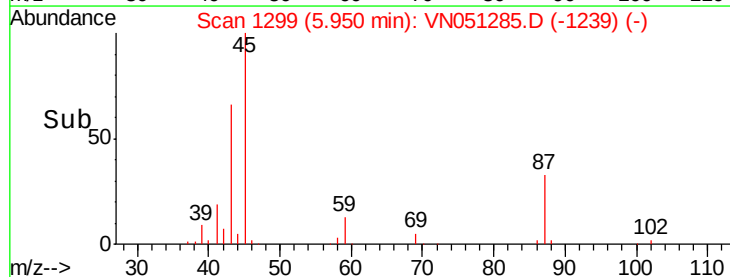
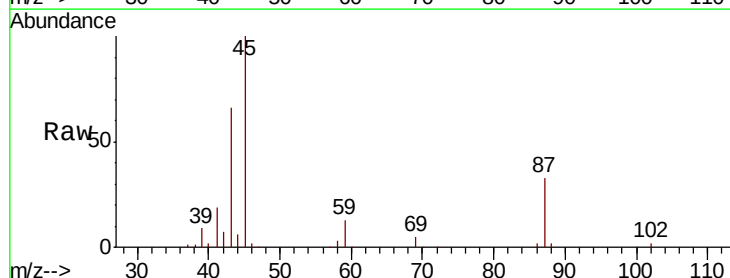
Manual Integrations
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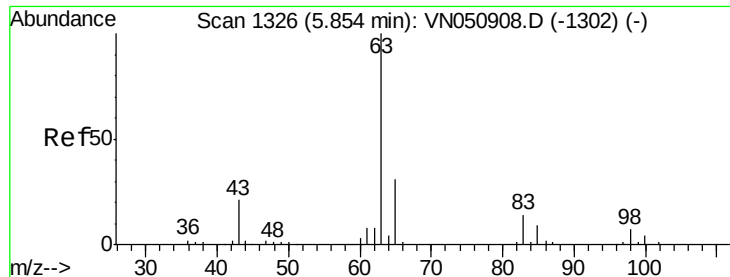
MMDadoda
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#20
Diisopropyl ether
Concen: 15.828 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.01 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Tgt Ion: 45 Resp: 264455
Ion Ratio Lower Upper
45 100
43 62.6 47.0 70.6
87 32.3 22.8 34.2
59 12.8 9.5 14.3





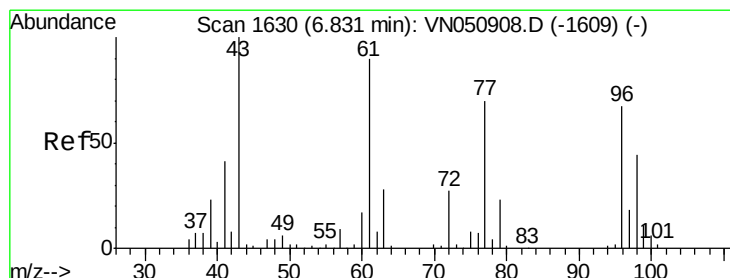
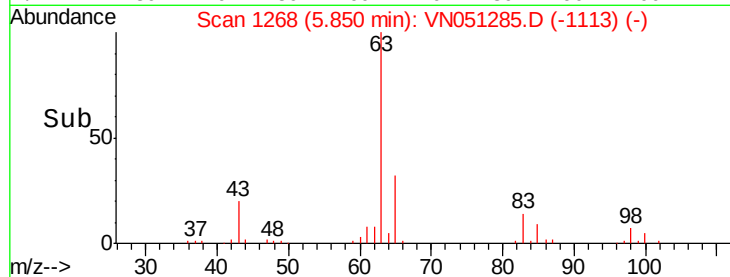
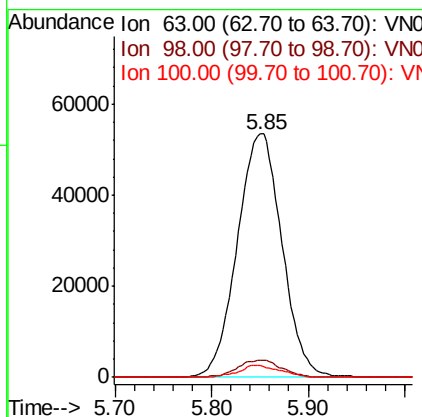
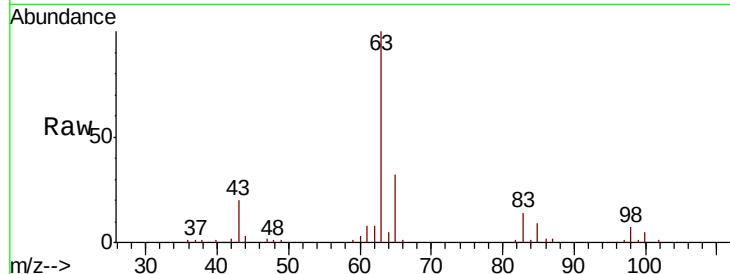
#21
 1,1-Dichloroethane
 Concen: 16.718 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.3	9.9
100	4.8	2.0	6.0

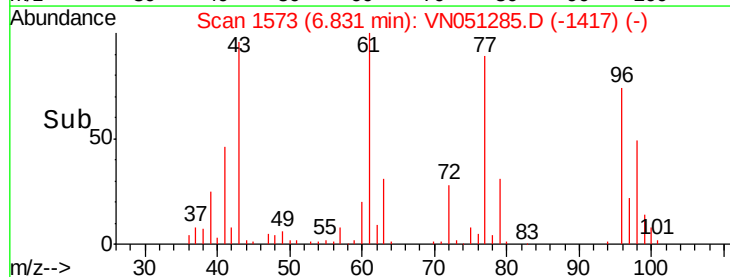
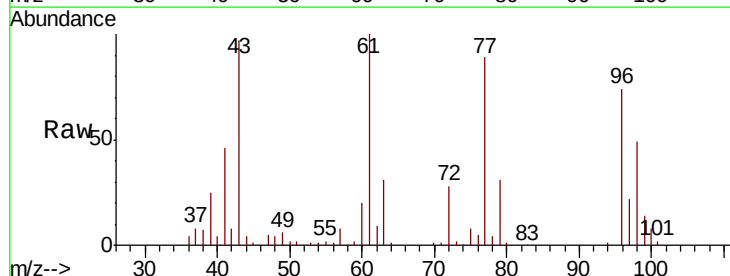
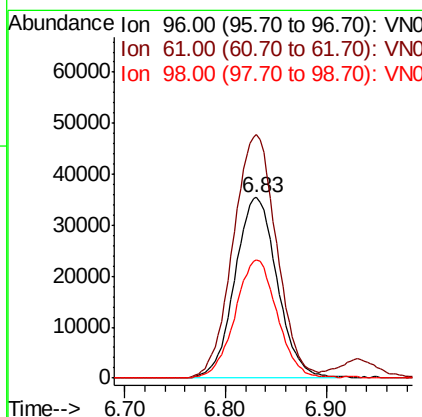
Manual Integrations
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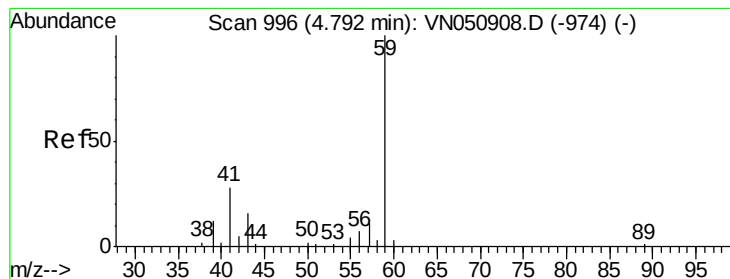
MMDadoda
 9/19/2018 2:57:04 PM



#22
 cis-1,2-Dichloroethene
 Concen: 16.754 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	138.3	110.0	165.0
98	65.3	51.7	77.5





#23

tert-Butyl Alcohol

Concen: 51.773 ug/l

RT: 4.79 min Scan# 938

Delta R.T. -0.00 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 59 Resp: 22021

Ion Ratio Lower Upper

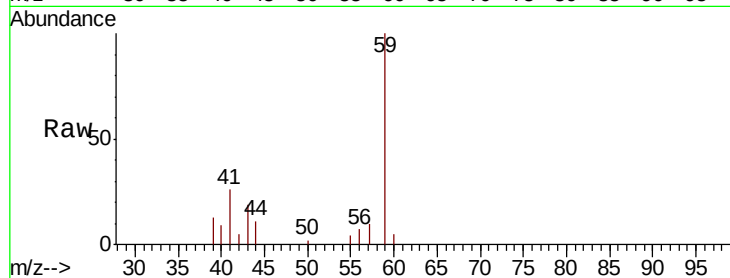
59 100

52 0.0 0.1 0.1#

Manual Integrations
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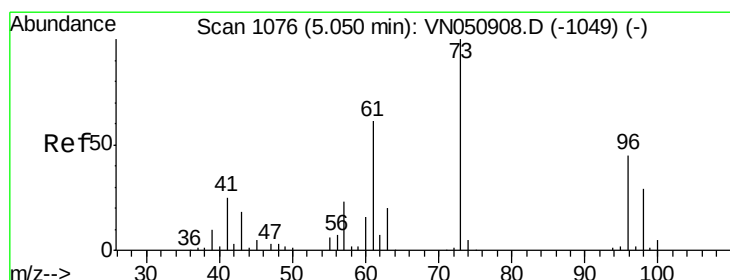
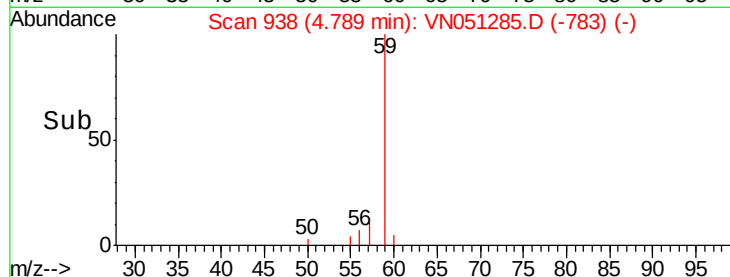
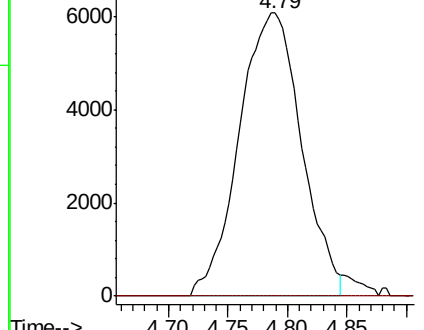
MMDadoda

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Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#24

Methyl tert-Butyl Ether

Concen: 14.620 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN051285.D

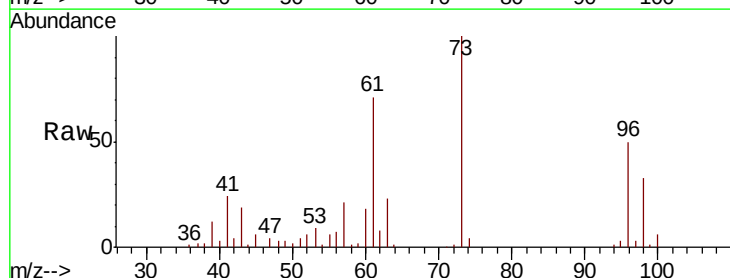
Acq: 18 Sep 2018 8:06

Tgt Ion: 73 Resp: 204560

Ion Ratio Lower Upper

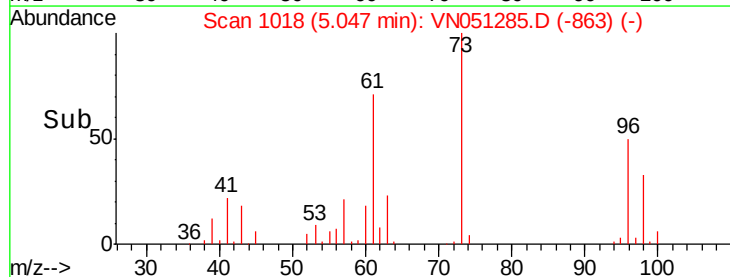
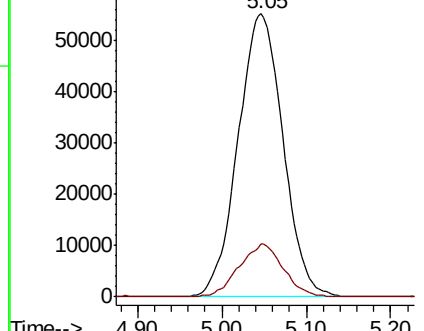
73 100

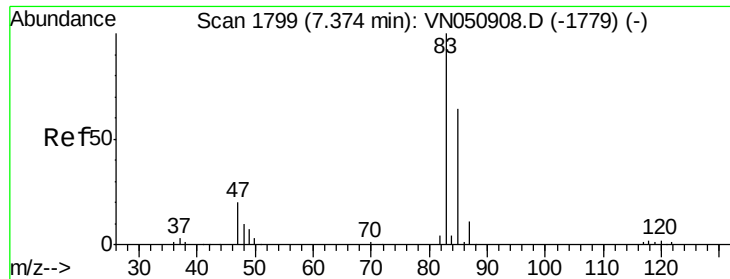
43 18.4 14.4 21.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





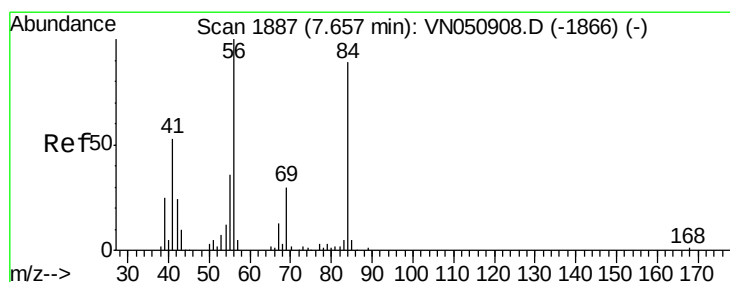
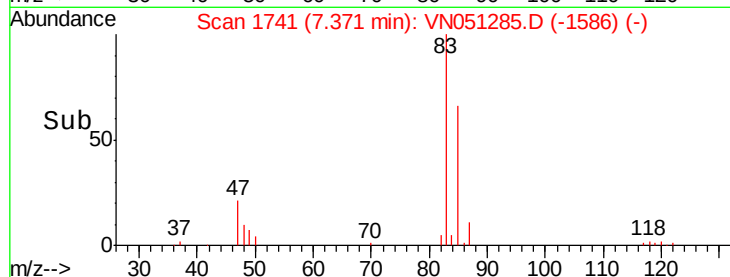
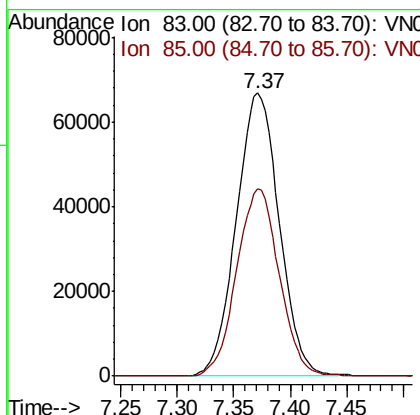
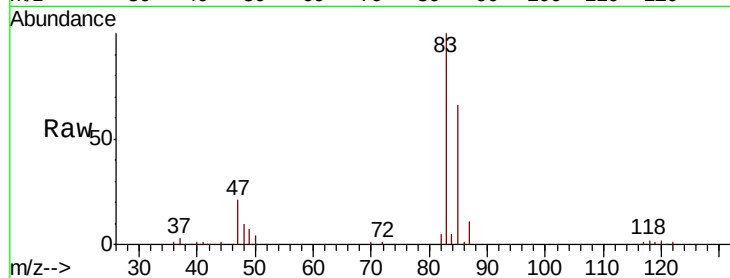
#25
Chloroform
Concen: 17.255 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 83 Resp: 176430
Ion Ratio Lower Upper
83 100
85 66.1 51.4 77.0

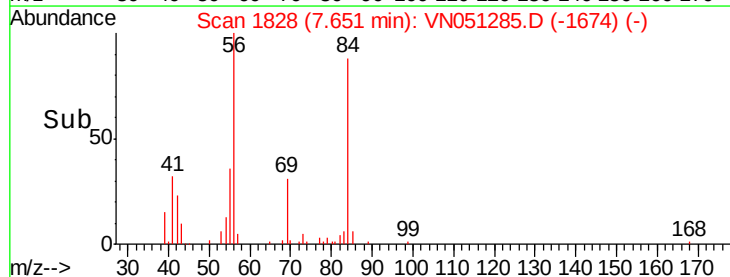
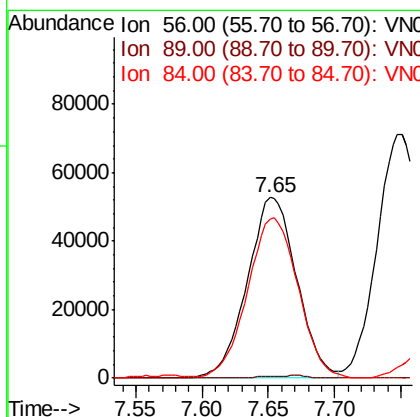
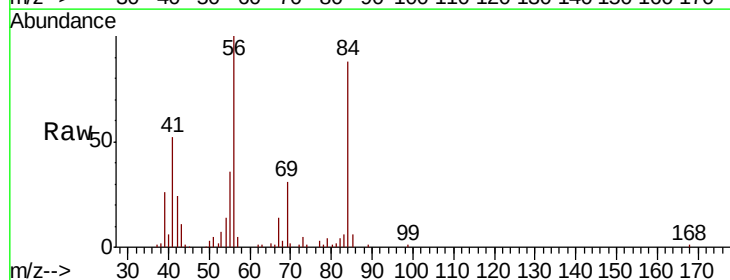
Manual Integrations
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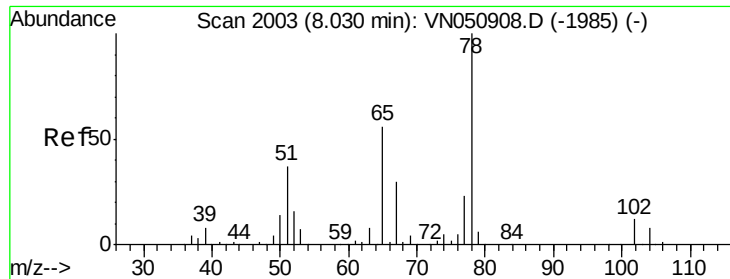
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#26
Cyclohexane
Concen: 16.206 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. -0.01 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Tgt Ion: 56 Resp: 137546
Ion Ratio Lower Upper
56 100
89 0.6 0.4 0.6#
84 90.8 70.4 105.6





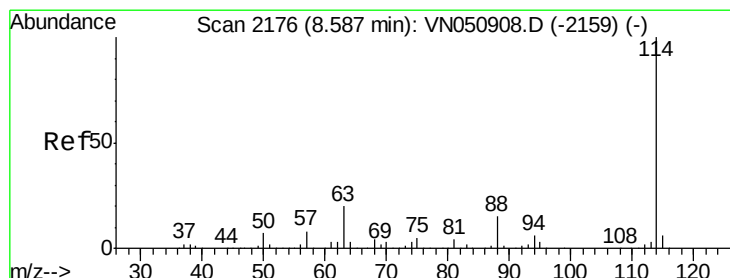
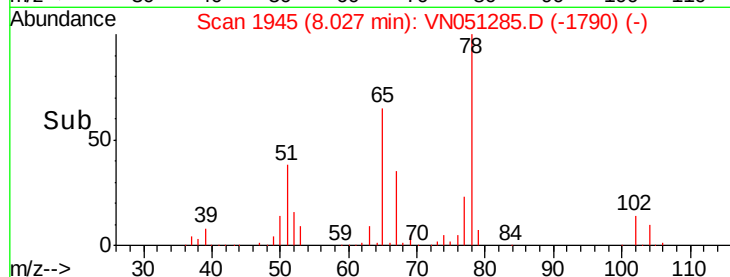
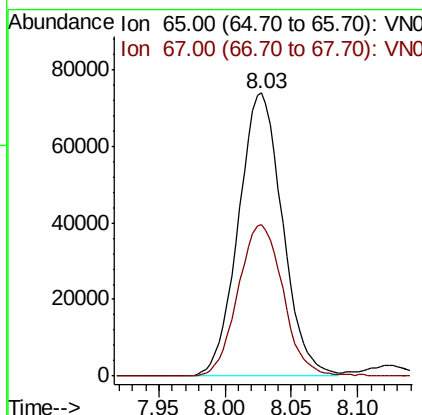
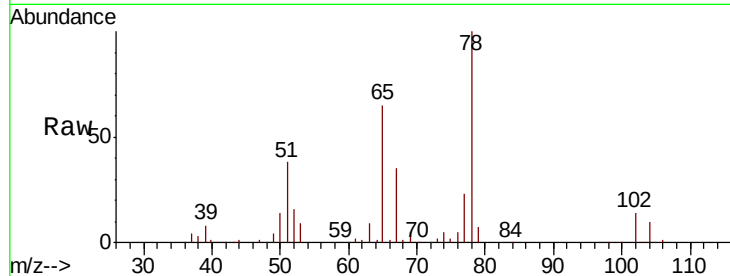
#27
 1,2-Dichloroethane-d4
 Concen: 28.280 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 65 Resp: 170855
 Ion Ratio Lower Upper
 65 100
 67 54.7 43.7 65.5

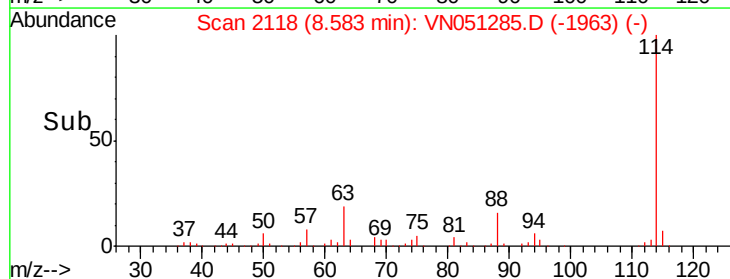
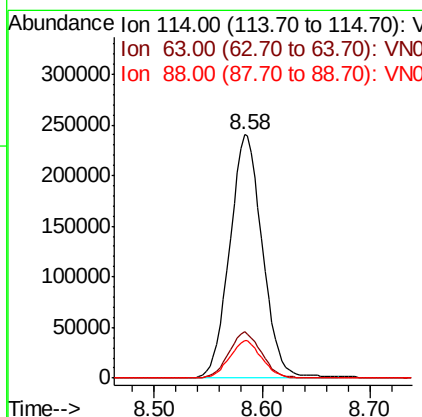
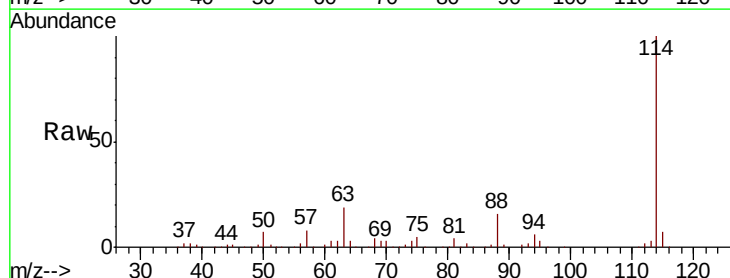
Manual Integrations
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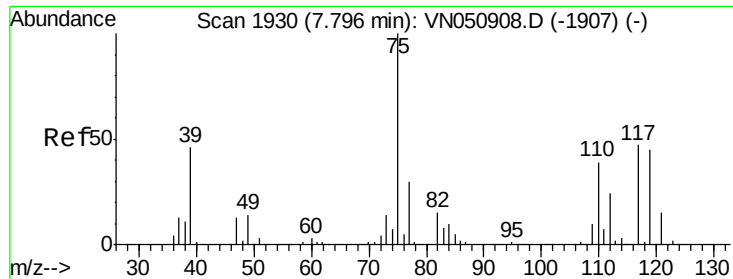
MMDadoda
 9/19/2018 2:57:04 PM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Tgt Ion: 114 Resp: 507686
 Ion Ratio Lower Upper
 114 100
 63 18.9 15.6 23.4
 88 15.2 12.2 18.4





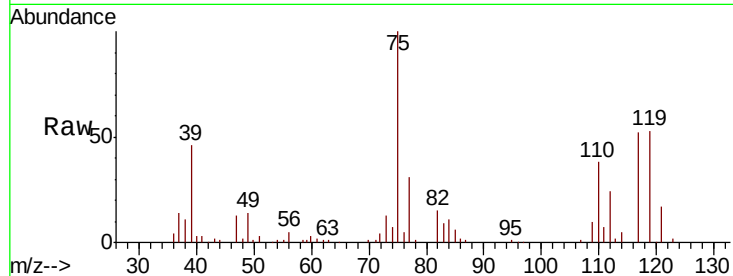
#29
1,1-Dichloropropene
Concen: 17.314 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

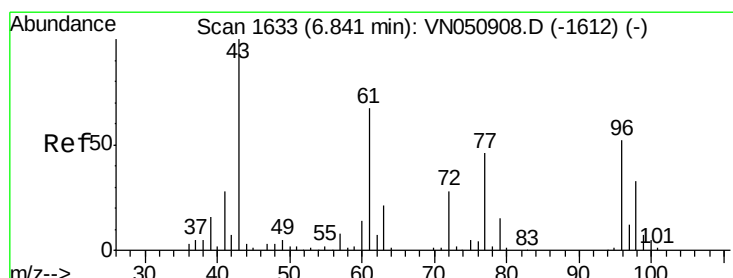
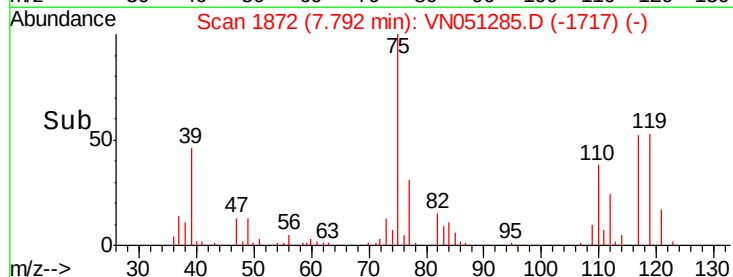
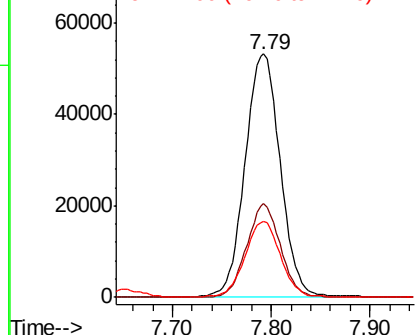
Tgt Ion: 75 Resp: 131598
Ion Ratio Lower Upper
75 100
110 36.6 0.0 75.0
77 31.4 0.0 60.6

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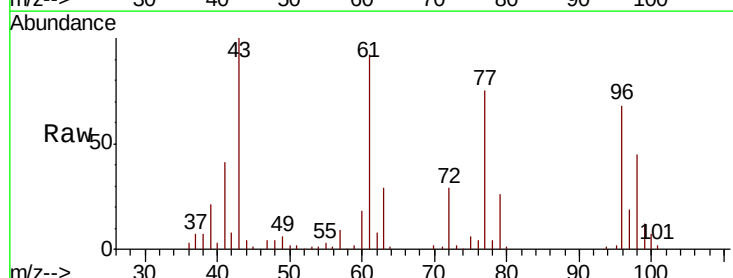


Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 110.00 (109.70 to 110.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

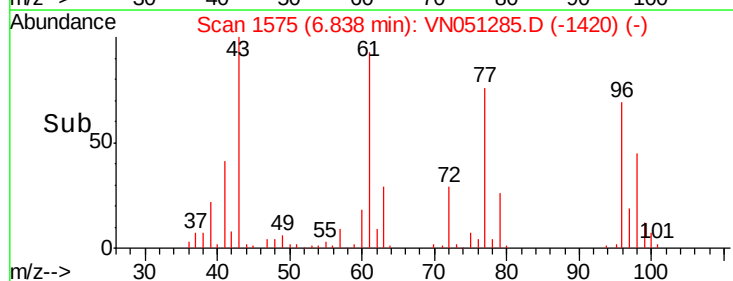
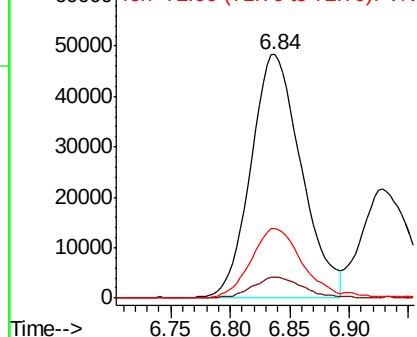


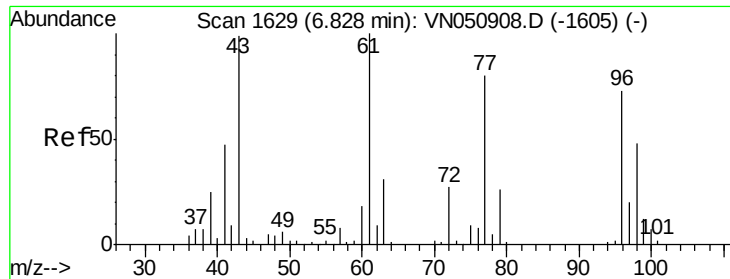
#30
2-Butanone
Concen: 60.924 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Tgt Ion: 43 Resp: 142450
Ion Ratio Lower Upper
43 100
57 8.6 6.9 10.3
72 28.6 22.8 34.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 57.00 (56.70 to 57.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





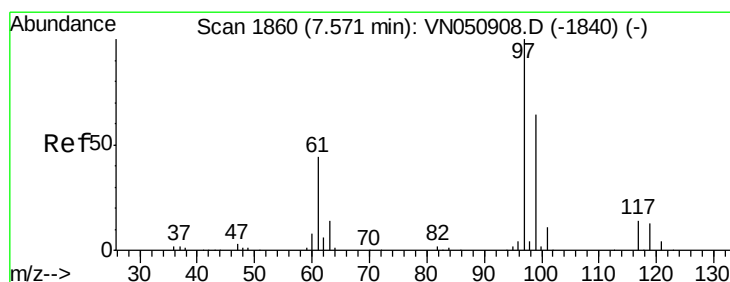
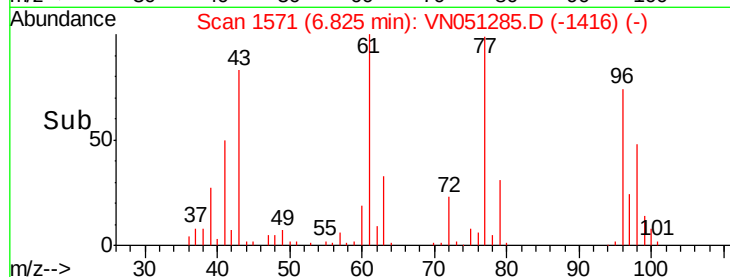
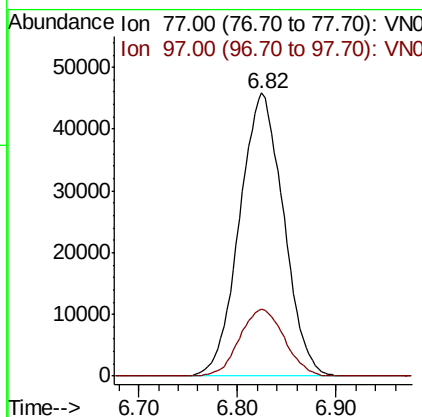
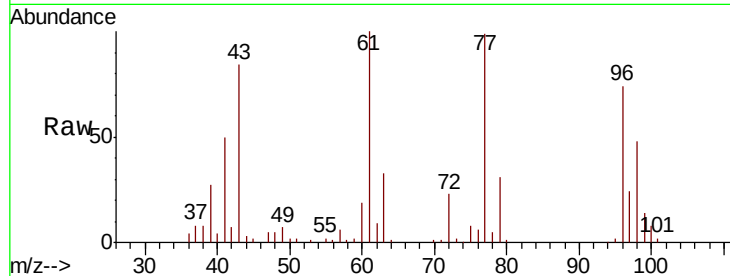
#31
 2,2-Dichloropropane
 Concen: 19.140 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion: 77 Resp: 141550
 Ion Ratio Lower Upper
 77 100
 97 24.1 20.2 30.2

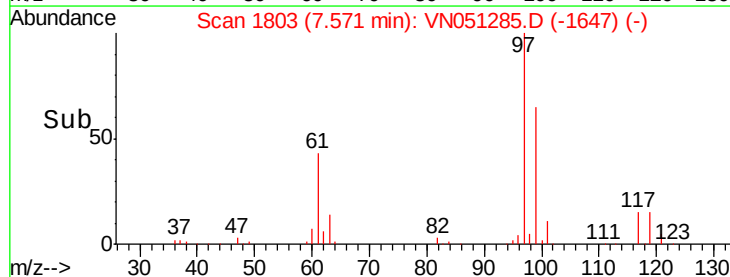
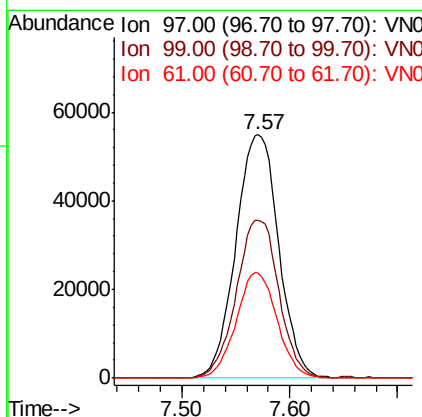
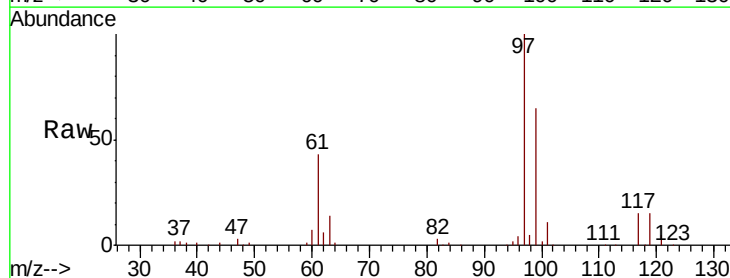
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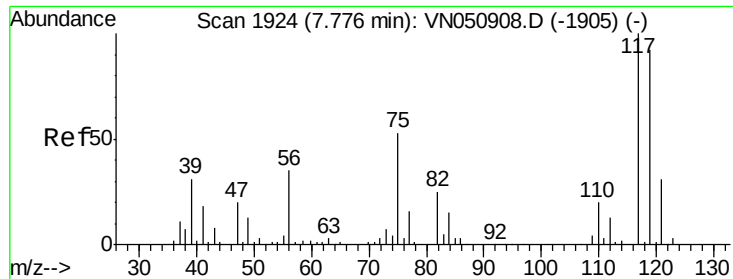
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 17.578 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Tgt Ion: 97 Resp: 151506
 Ion Ratio Lower Upper
 97 100
 99 64.6 52.0 78.0
 61 41.4 35.0 52.6





#33

Carbon Tetrachloride

Concen: 17.899 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.01 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

Instrument :

MSVOA_N

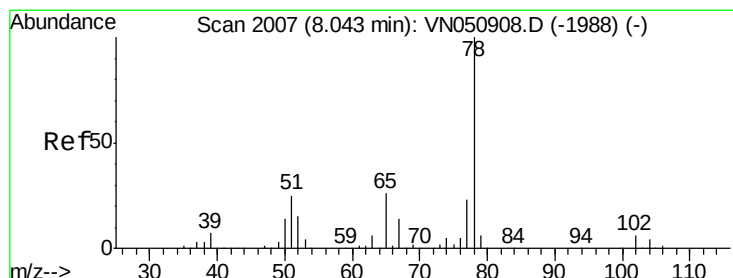
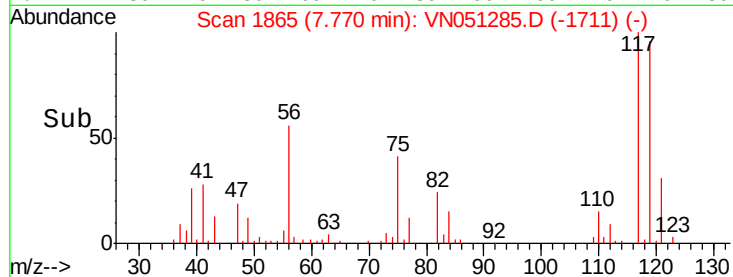
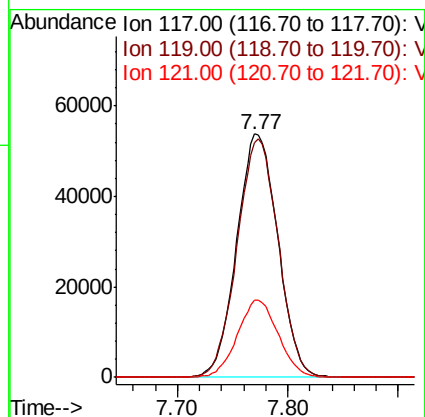
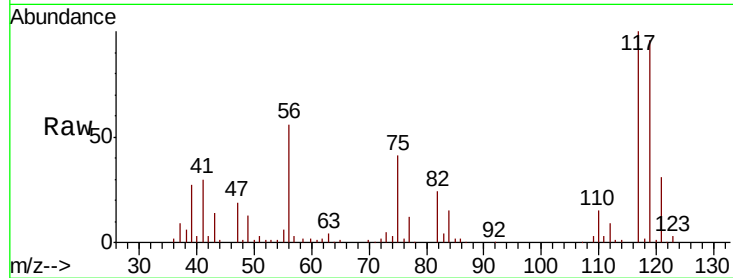
ClientSampleId :

VSTDCCC020

Tgt Ion:	117	Resp:	138927
Ion Ratio	Lower	Upper	
117	100		
119	96.1	73.5	110.3
121	31.5	24.6	37.0

Manual Integrations
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#34

Benzene

Concen: 17.021 ug/l

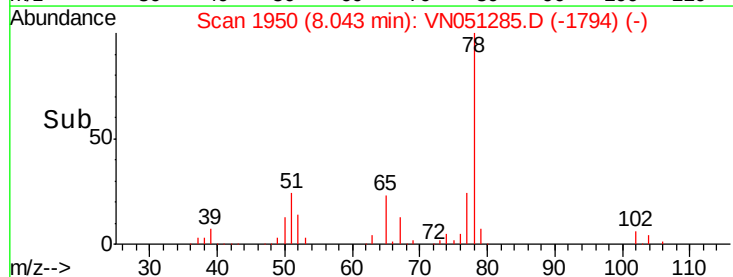
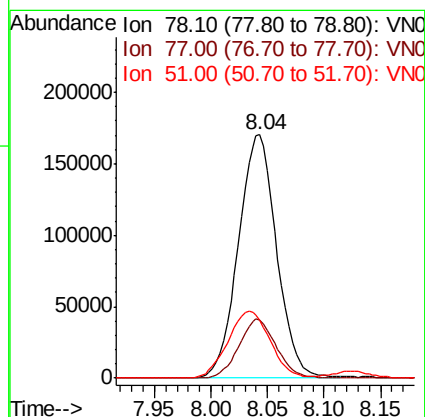
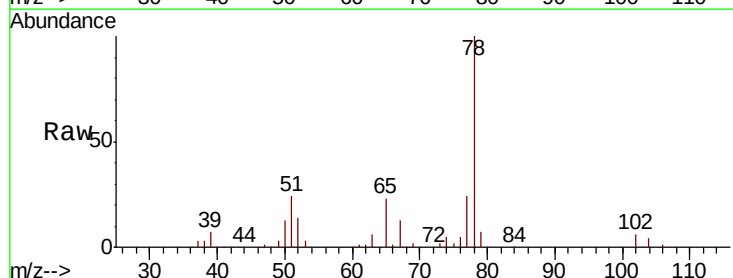
RT: 8.04 min Scan# 1950

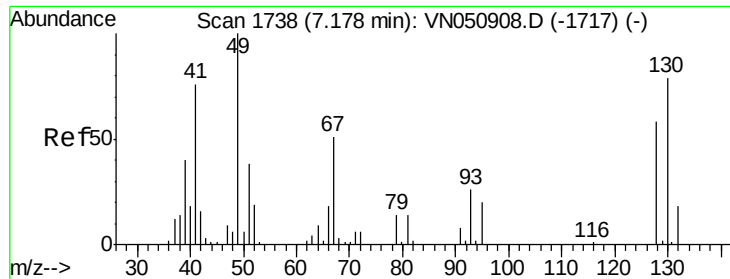
Delta R.T. 0.00 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

Tgt Ion:	78	Resp:	400222
Ion Ratio	Lower	Upper	
78	100		
77	23.7	18.6	28.0
51	23.3	20.0	30.0





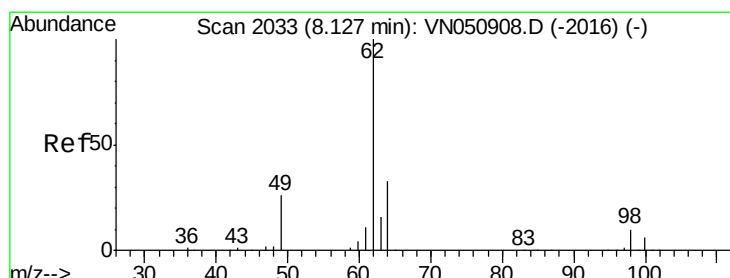
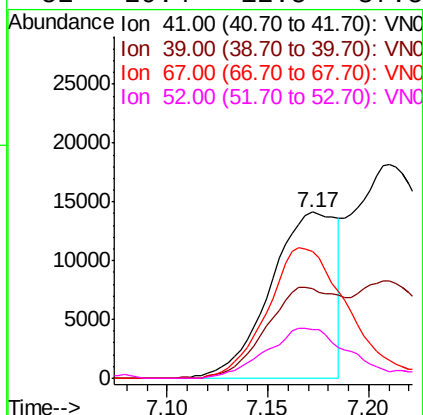
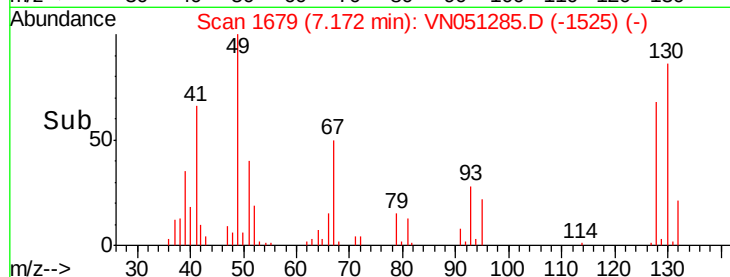
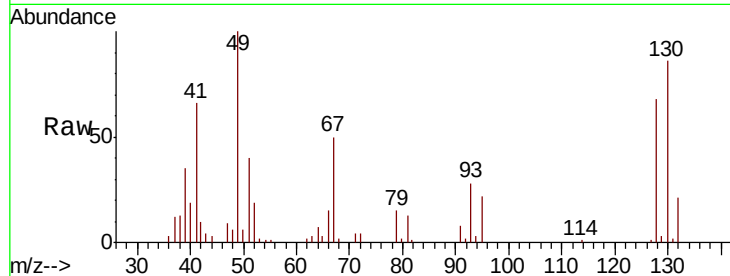
#35
Methacrylonitrile
Concen: 12.536 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.01 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.5	26.2	78.5
67	76.4	33.9	101.6
52	29.4	12.5	37.5

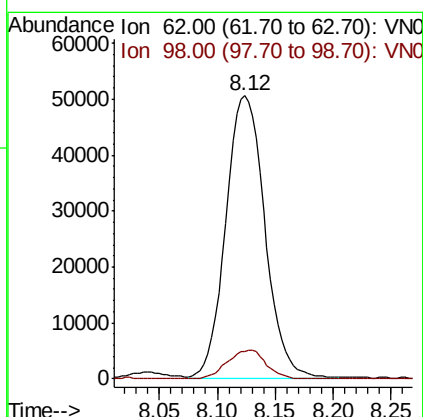
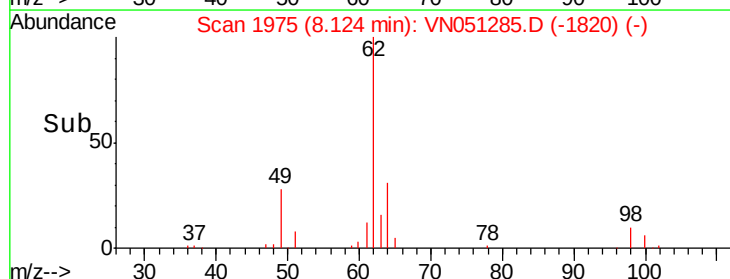
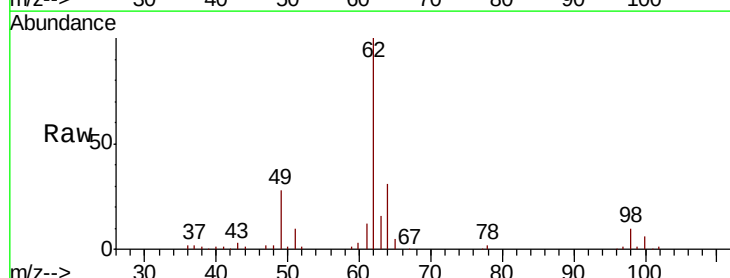
Manual Integrations
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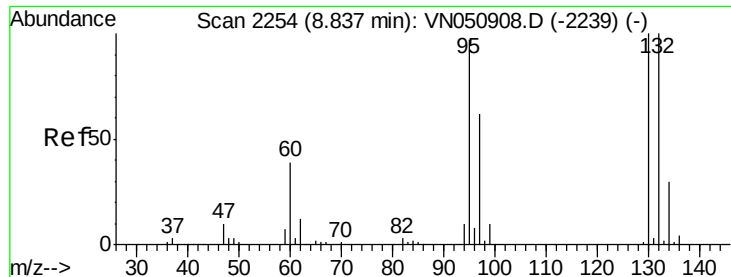
MMDadoda
9/19/2018 2:57:04 PM



#36
1,2-Dichloroethane
Concen: 16.730 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	8.0	12.0





#37

Trichloroethene

Concen: 17.942 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion:130 Resp: 110262

Ion Ratio Lower Upper

130 100

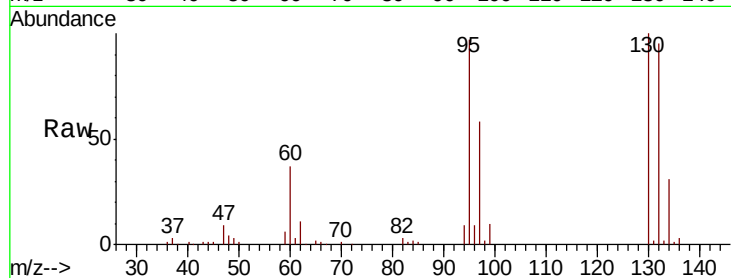
95 96.5 77.4 116.0

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

60000

50000

40000

30000

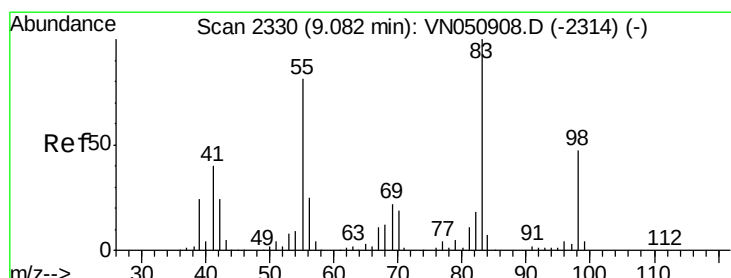
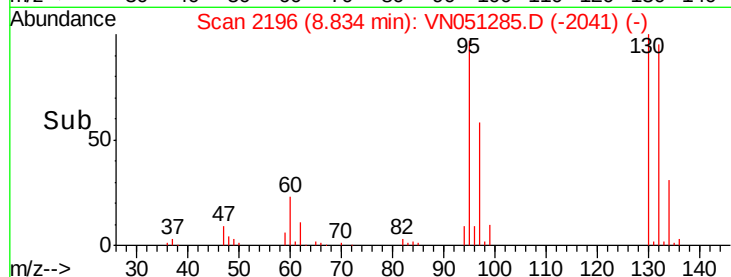
20000

10000

0

8.75 8.80 8.85 8.90 8.95

Time-->



#38

Methylcyclohexane

Concen: 17.122 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

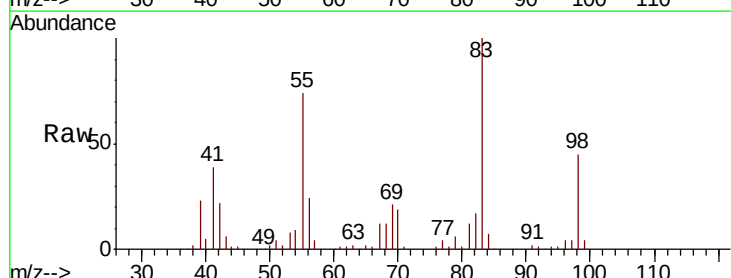
Tgt Ion: 83 Resp: 139770

Ion Ratio Lower Upper

83 100

55 74.1 38.9 116.7

98 46.4 22.9 68.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

80000

60000

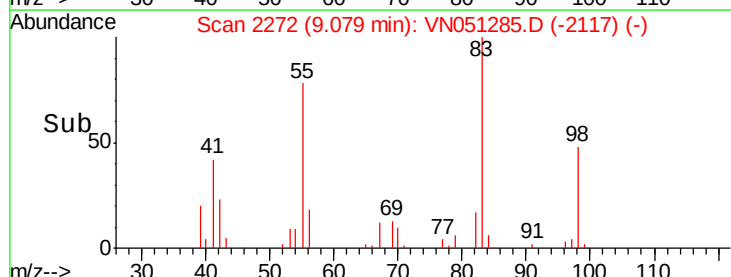
40000

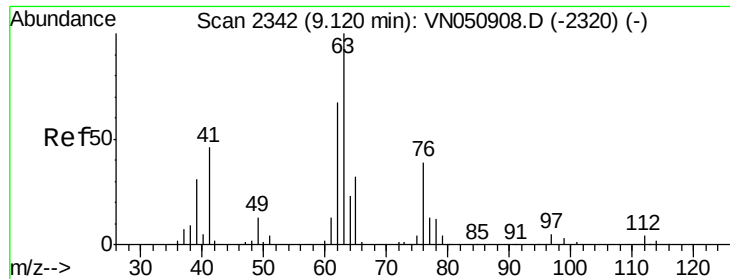
20000

0

9.00 9.05 9.10 9.15

Time-->





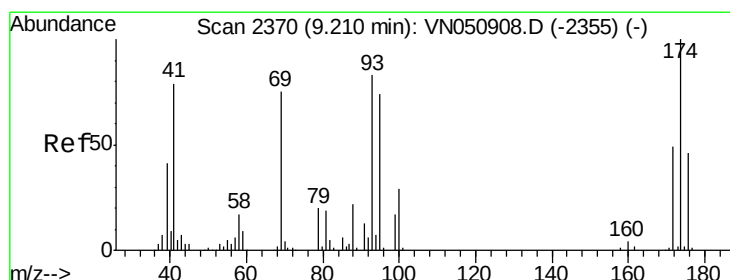
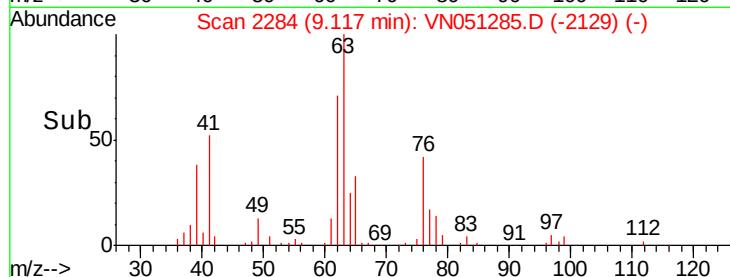
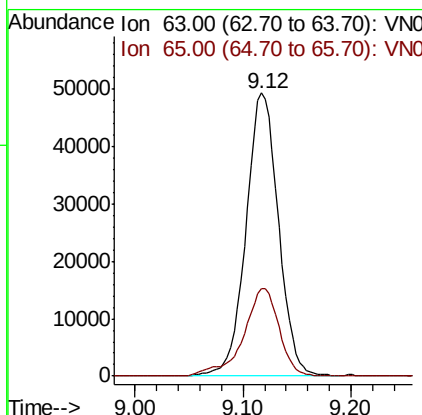
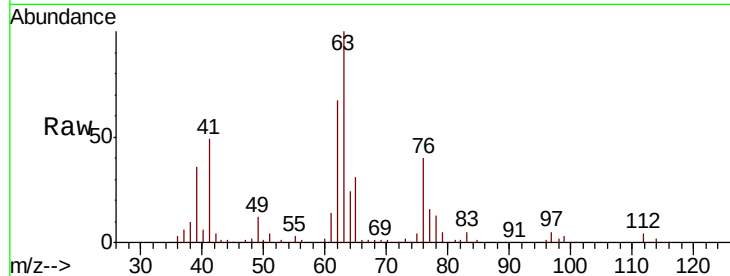
#39
 1,2-Dichloropropane
 Concen: 16.813 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion: 63 Resp: 103250
 Ion Ratio Lower Upper
 63 100
 65 30.8 25.6 38.4

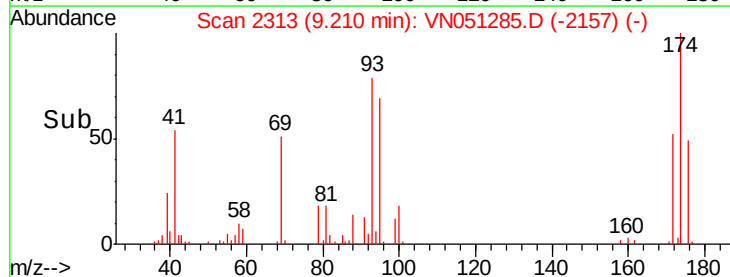
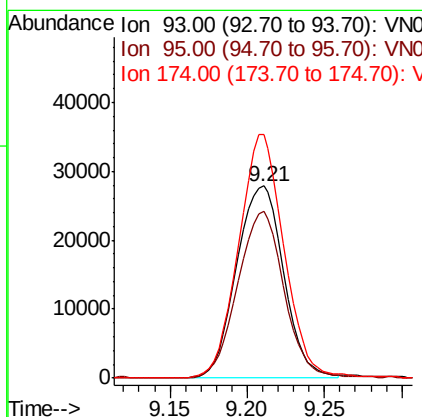
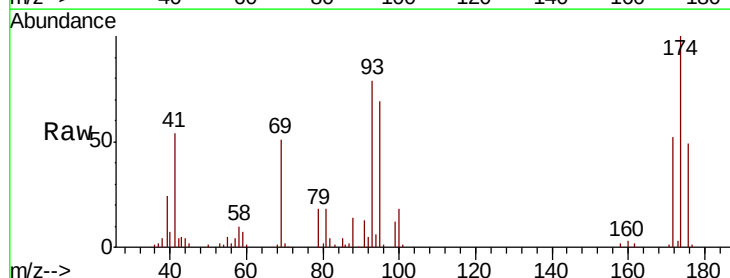
Manual Integrations
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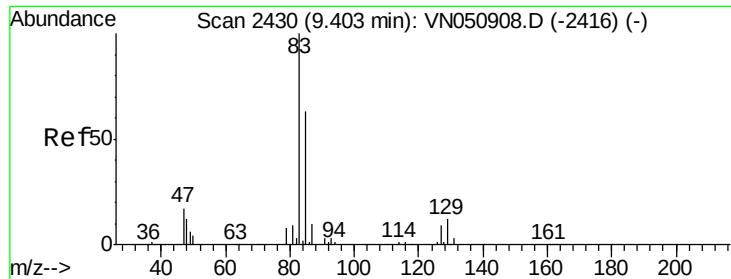
MMDadoda
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#40
 Dibromomethane
 Concen: 16.009 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Tgt Ion: 93 Resp: 59221
 Ion Ratio Lower Upper
 93 100
 95 85.1 0.0 173.4
 174 121.8 0.0 234.8





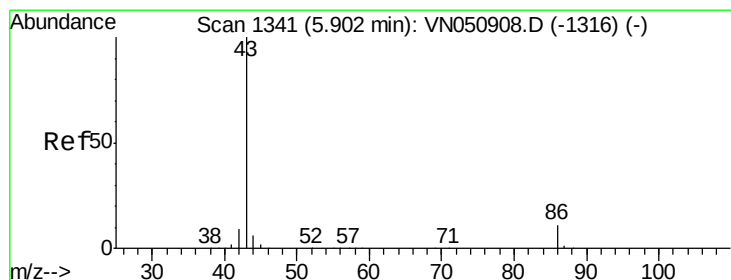
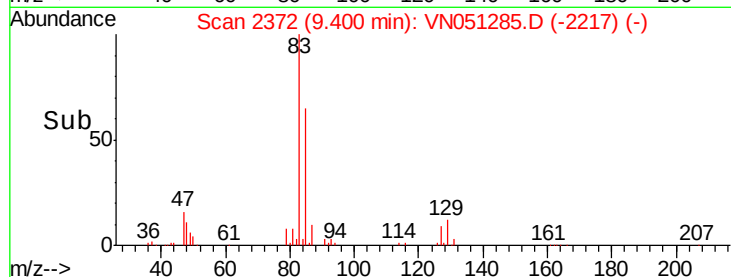
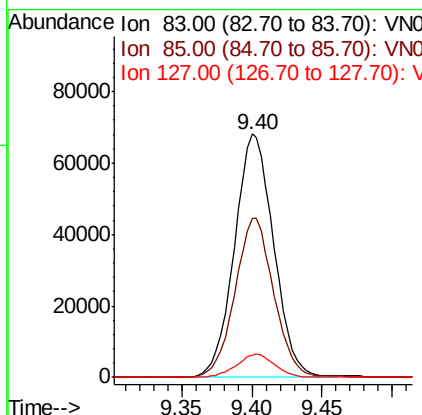
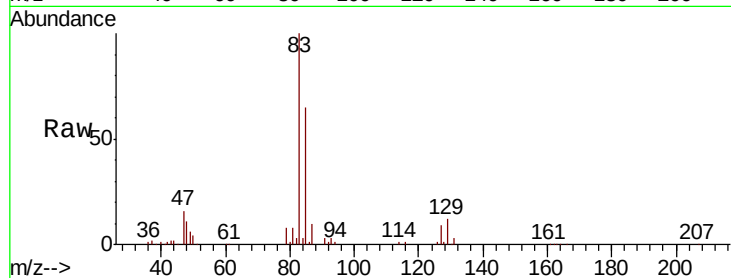
#41
 Bromodichloromethane
 Concen: 17.015 ug/l
 RT: 9.40 min Scan# 2372
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.6	76.0
127	9.3	7.1	10.7

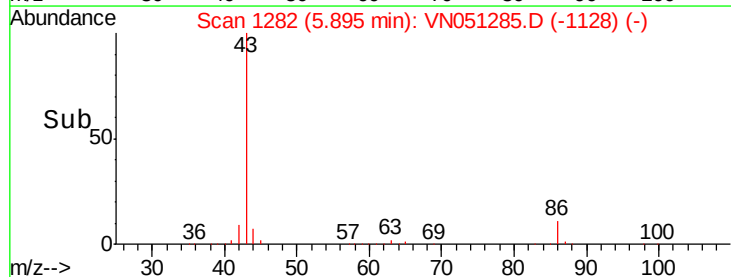
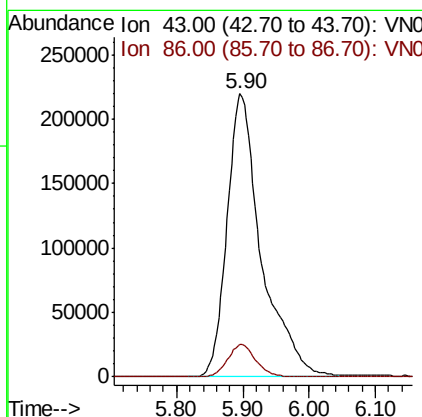
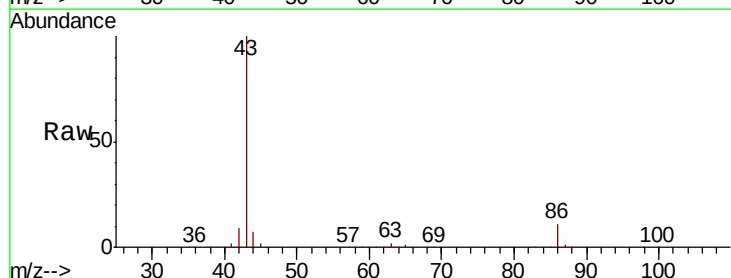
Manual Integrations
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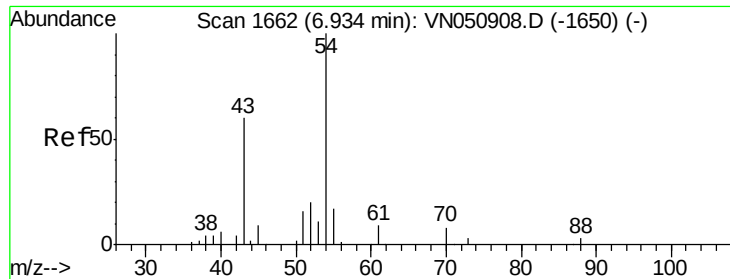
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#42
 Vinyl Acetate
 Concen: 73.560 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.2	10.8





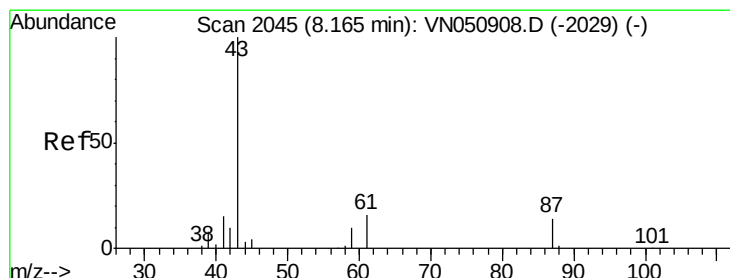
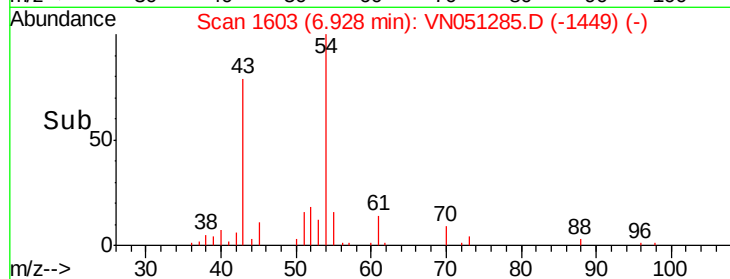
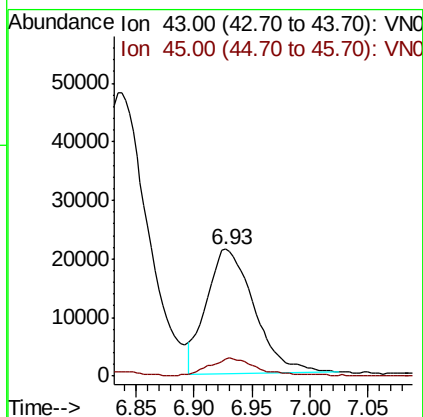
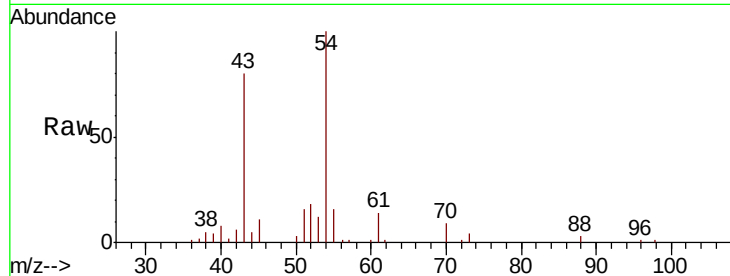
#43
Ethyl Acetate
Concen: 12.740 ug/l
RT: 6.93 min Scan# 1603
Delta R.T. -0.01 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion: 43 Resp: 61024
Ion Ratio Lower Upper
43 100
45 14.3 10.2 15.2

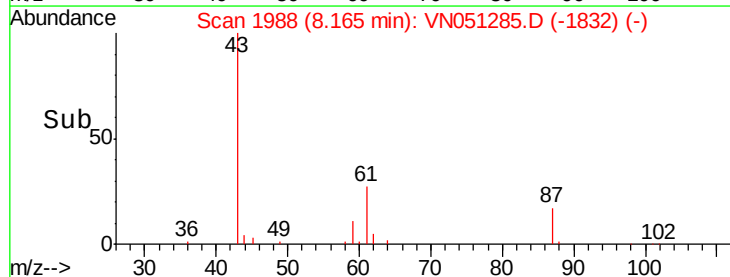
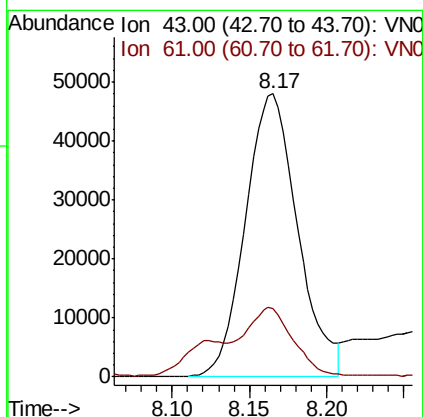
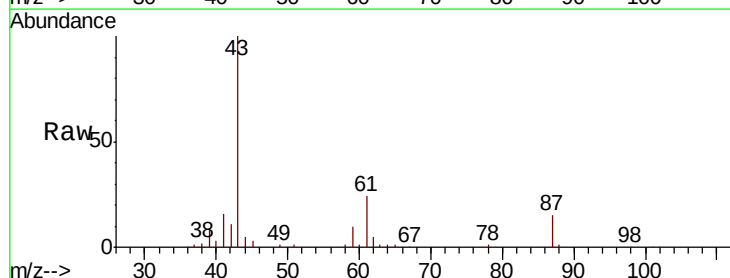
Manual Integrations
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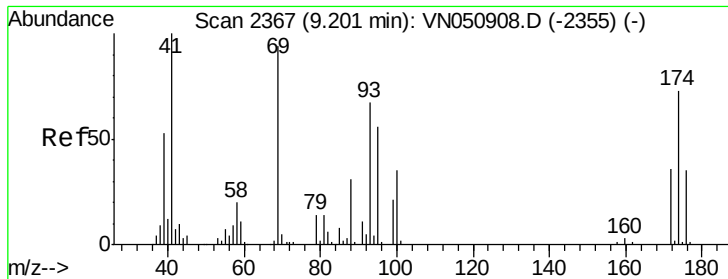
MMDadoda
9/19/2018 2:57:04 PM



#44
Isopropyl Acetate
Concen: 13.391 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Tgt Ion: 43 Resp: 113181
Ion Ratio Lower Upper
43 100
61 19.7 16.3 24.5





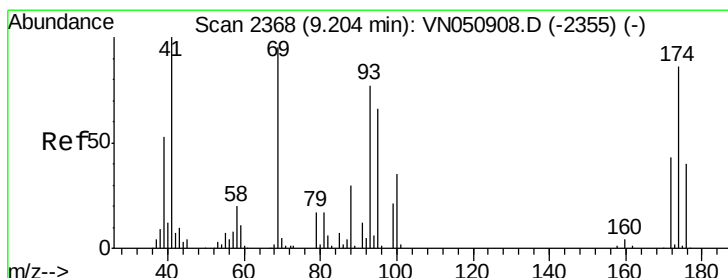
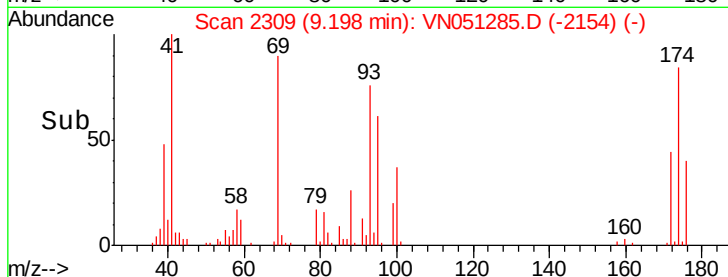
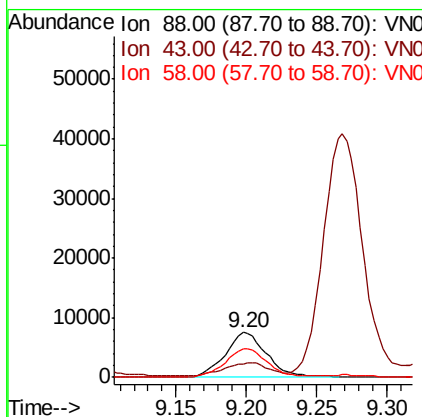
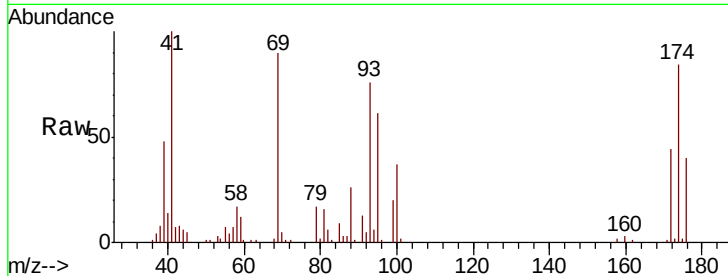
#45
 1,4-Dioxane
 Concen: 247.763 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	15556		
43	28.2	23.5	35.3	
58	63.5	55.2	82.8	

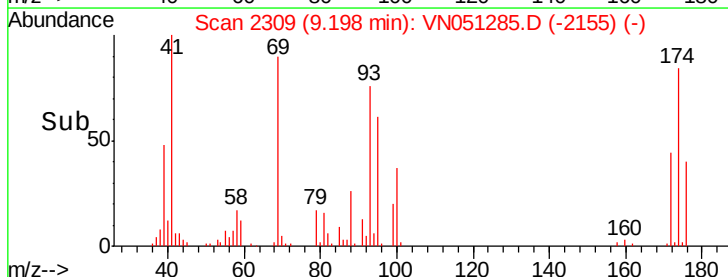
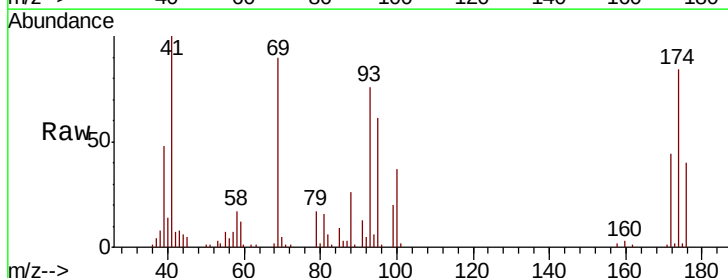
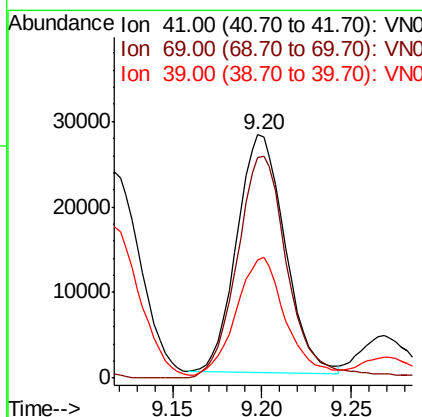
Manual Integrations
 APPROVED

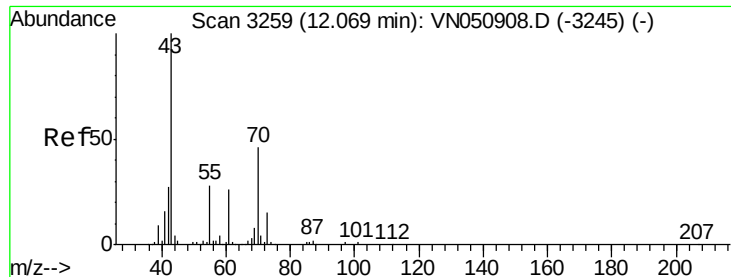
MMDadoda
 9/19/2018 2:57:04 PM



#46
 Methyl methacrylate
 Concen: 12.374 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.01 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	52382		
69	93.0	47.4	142.2	
39	48.2	26.6	79.7	





#47

n-amyl Acetate

Concen: 10.292 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 43 Resp: 69940

Ion Ratio Lower Upper

43 100

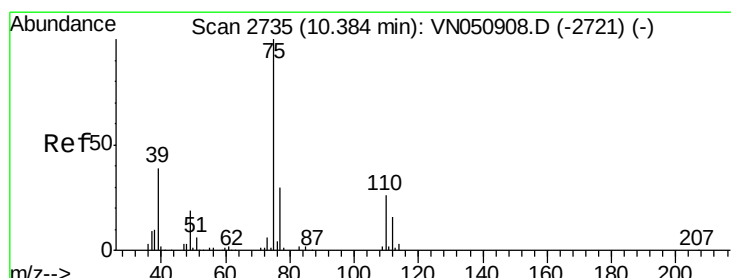
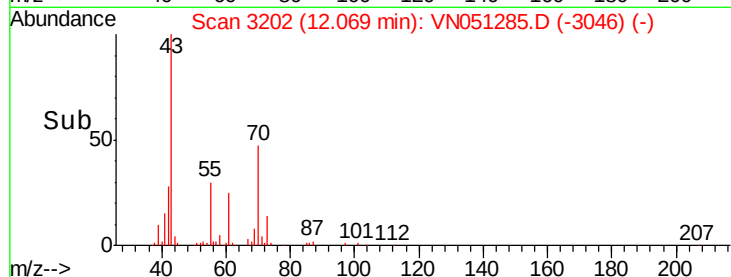
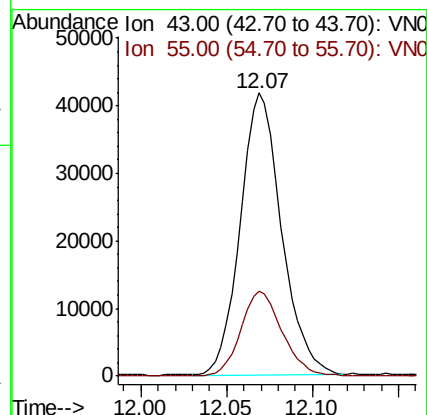
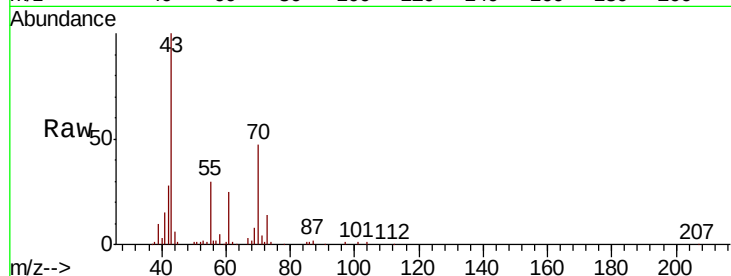
55 29.9 23.0 34.4

Manual Integrations

APPROVED

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#48

t-1,3-Dichloropropene

Concen: 15.740 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN051285.D

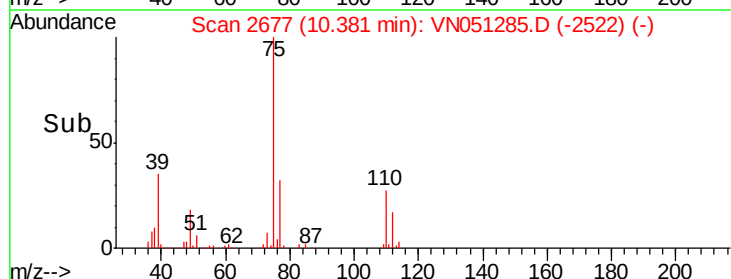
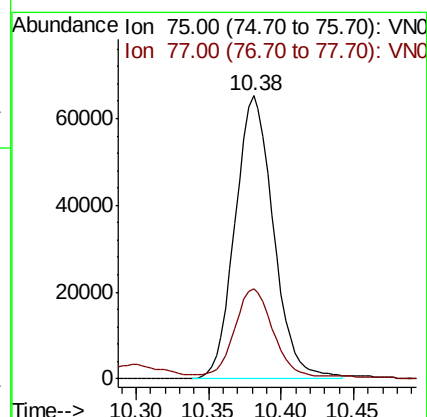
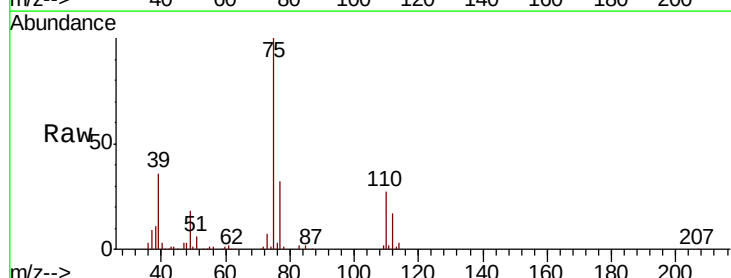
Acq: 18 Sep 2018 8:06

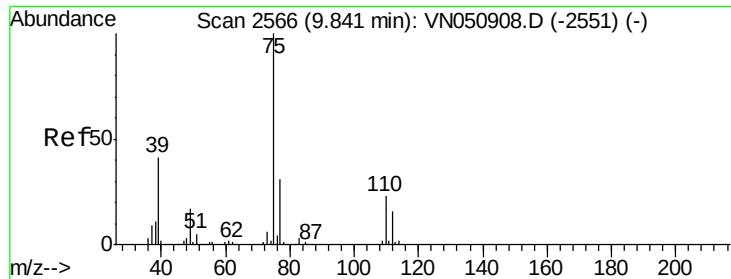
Tgt Ion: 75 Resp: 120318

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2





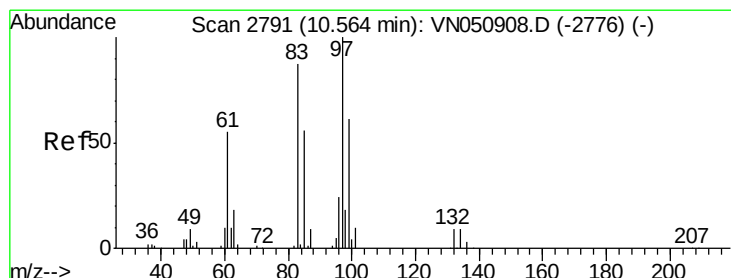
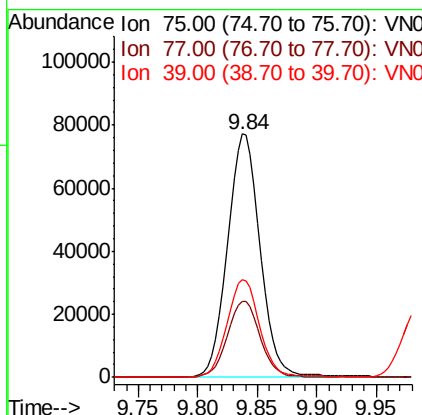
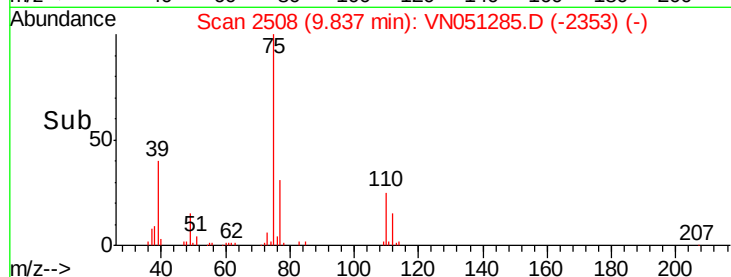
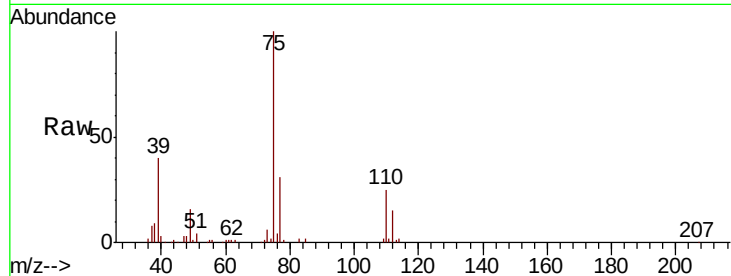
#49
 cis-1,3-Dichloropropene
 Concen: 16.722 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.4
39	40.2	32.9	49.3

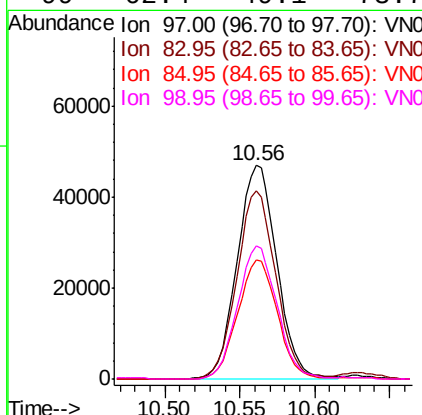
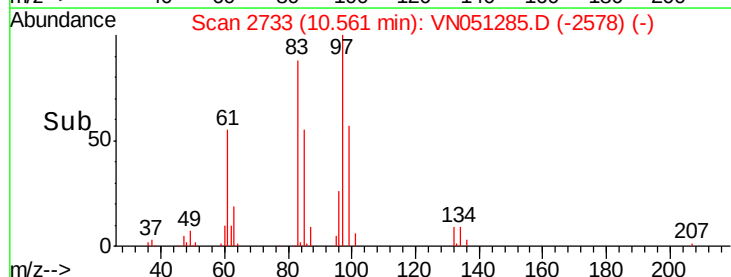
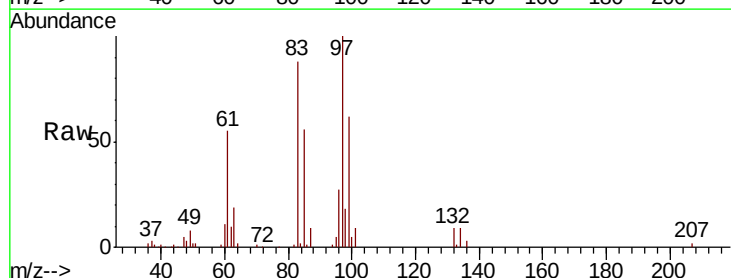
Manual Integrations
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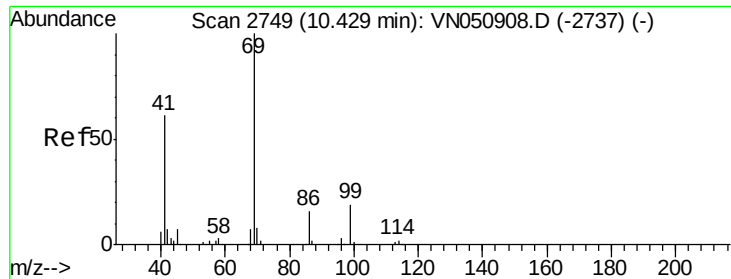
MMDadoda
 9/19/2018 2:57:04 PM



#50
 1,1,2-Trichloroethane
 Concen: 16.153 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.8	104.6
85	55.9	45.0	67.6
99	62.4	49.1	73.7





#51

Ethyl methacrylate

Concen: 13.261 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

Instrument :

MSVOA_N

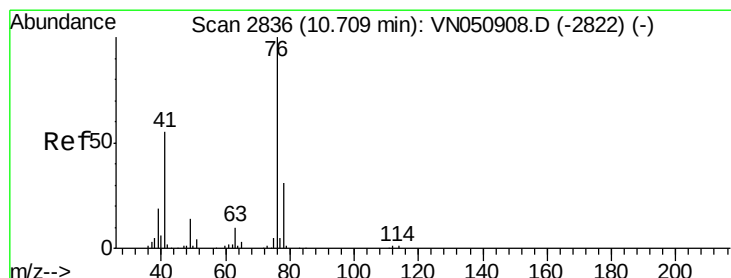
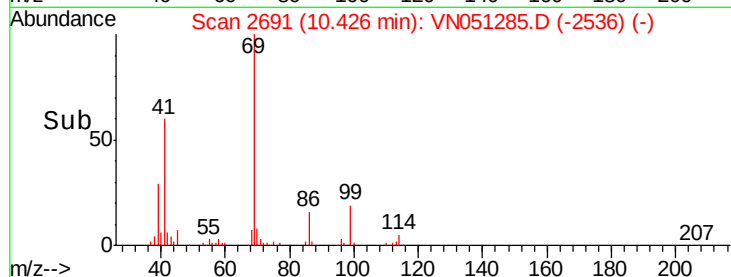
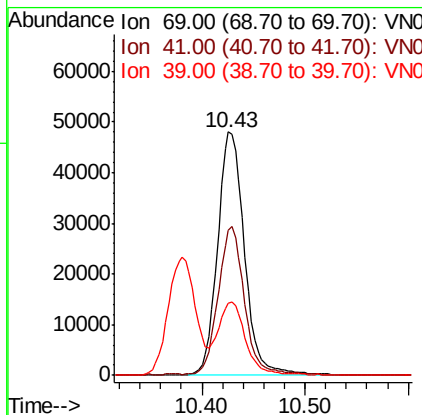
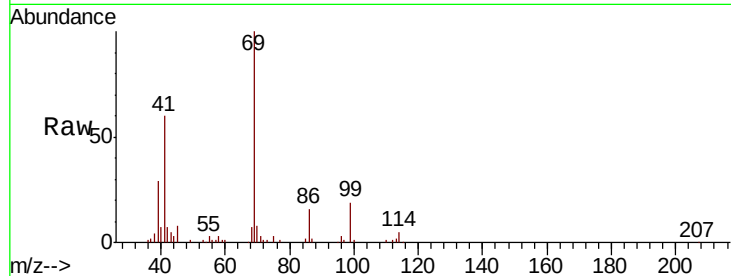
ClientSampleId :

VSTDCCC020

Tgt Ion:	69	Resp:	87210
Ion	Ratio	Lower	Upper
69	100		
41	59.8	30.5	91.5
39	29.4	15.3	45.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 15.324 ug/l

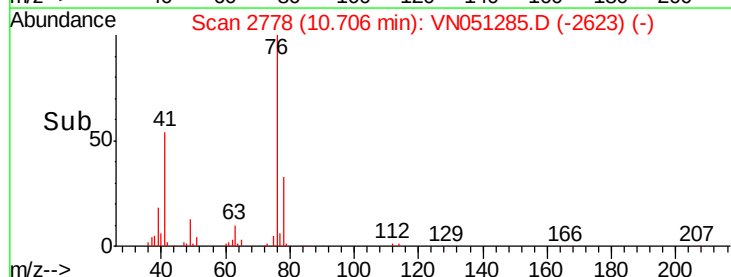
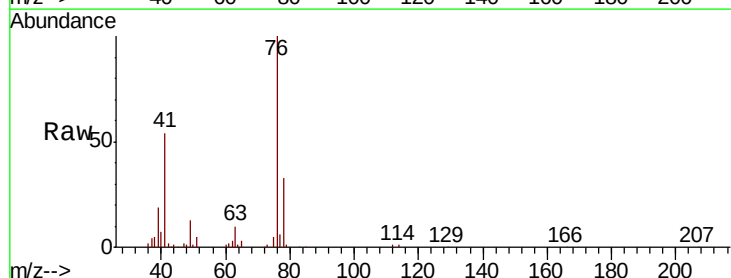
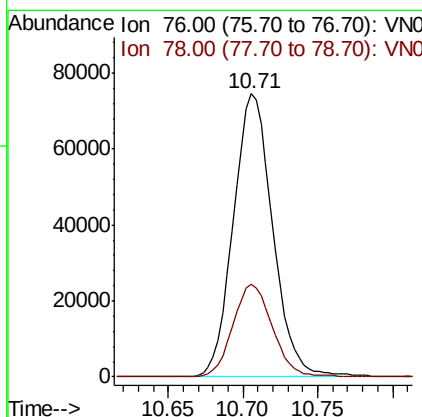
RT: 10.71 min Scan# 2778

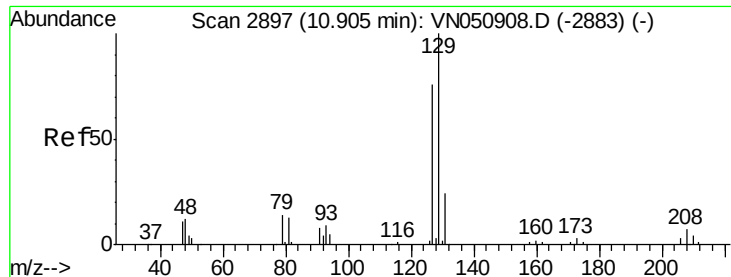
Delta R.T. -0.00 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

Tgt Ion:	76	Resp:	136427
Ion	Ratio	Lower	Upper
76	100		
78	32.9	0.0	63.4





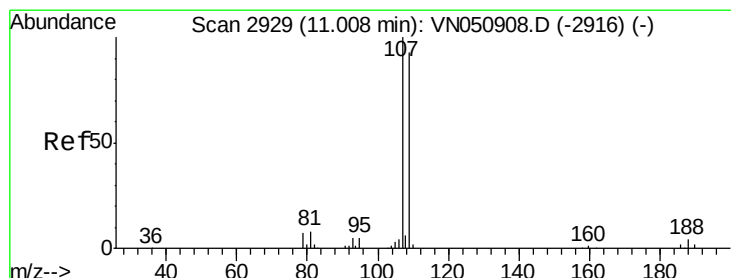
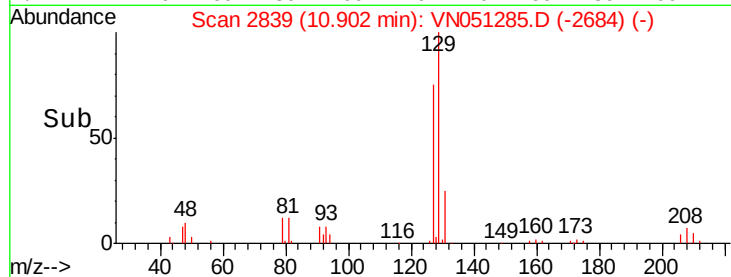
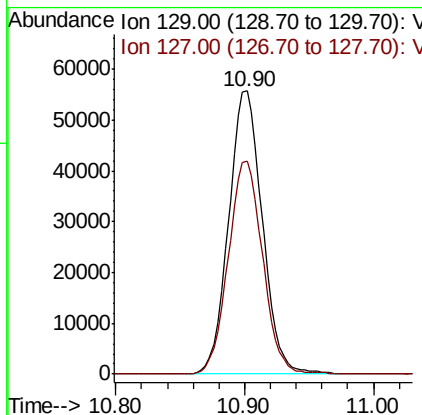
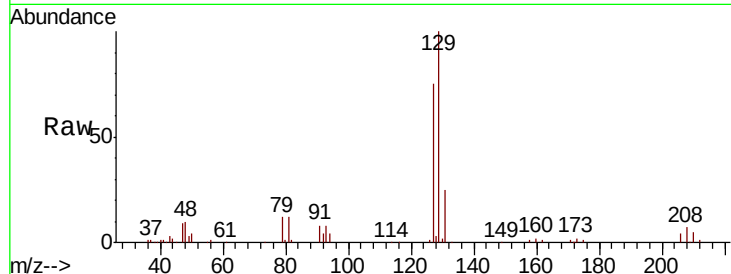
#53
Dibromochloromethane
Concen: 16.527 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:129 Resp: 101008
Ion Ratio Lower Upper
129 100
127 76.4 39.0 116.9

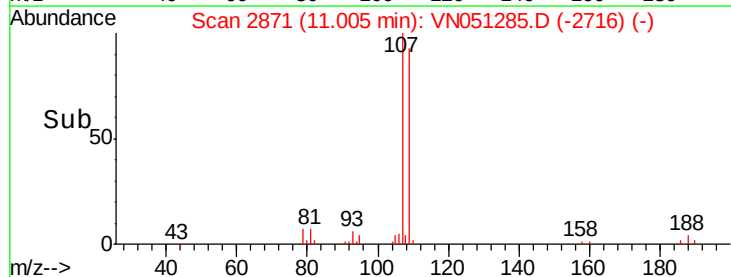
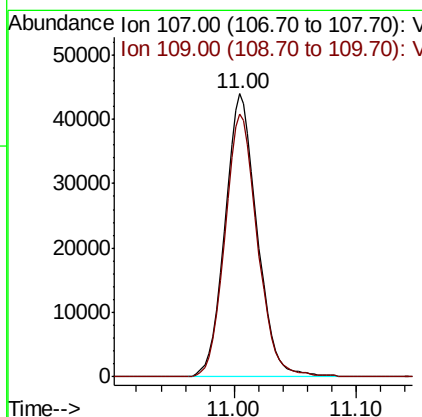
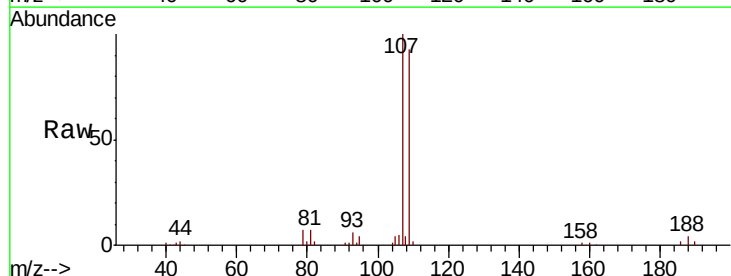
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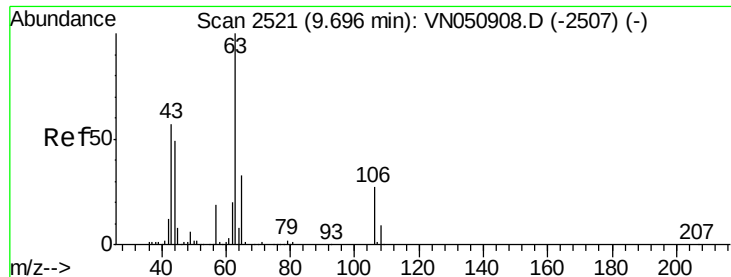
MMDadoda
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#54
1,2-Dibromoethane
Concen: 15.204 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. -0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Tgt Ion:107 Resp: 80805
Ion Ratio Lower Upper
107 100
109 93.8 74.4 111.6





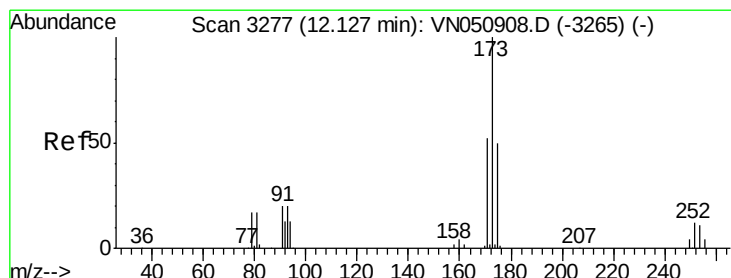
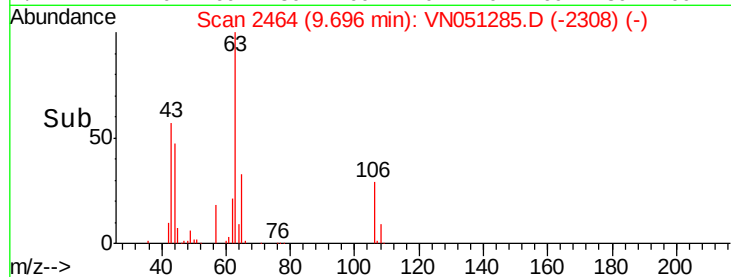
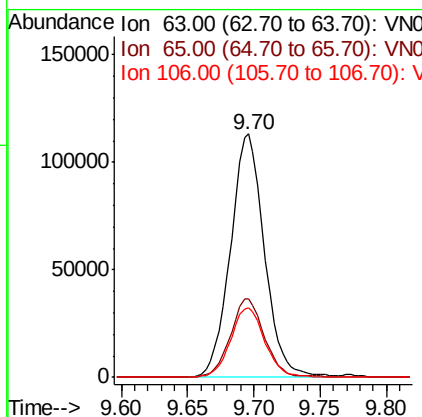
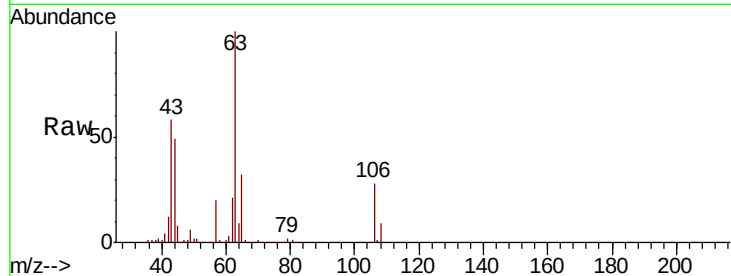
#55
 2-Chloroethyl vinyl ether
 Concen: 73.670 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
63	100		
65	32.5	25.4	38.2
106	28.7	22.0	33.0

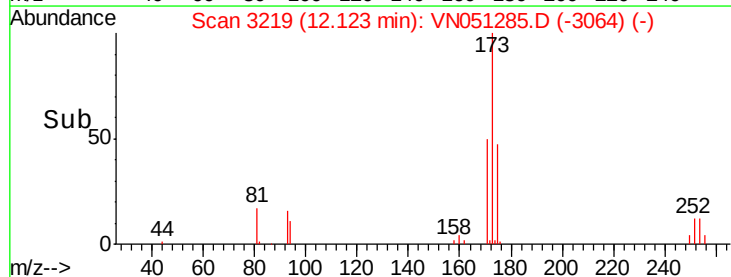
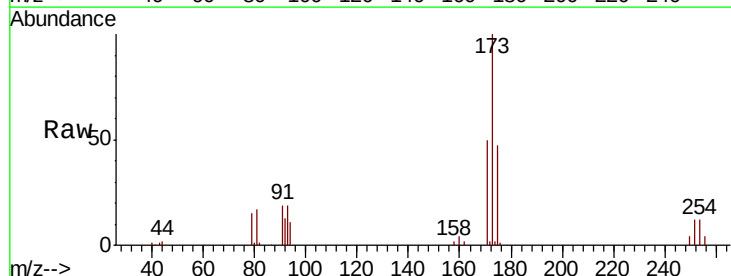
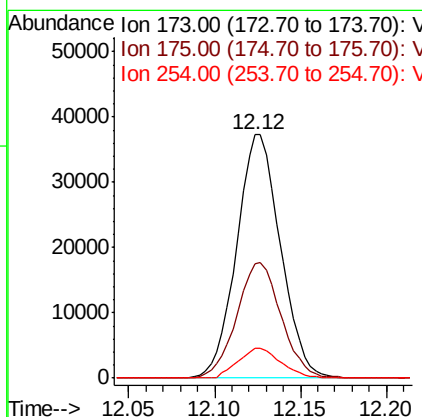
Manual Integrations
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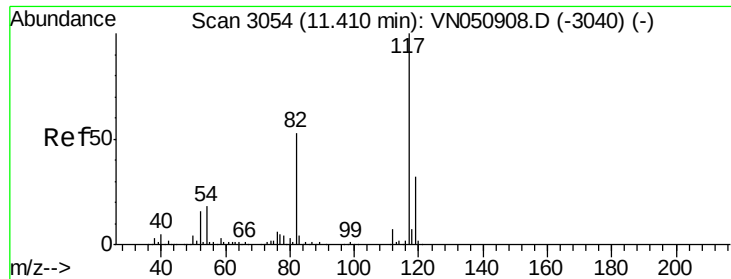
MMDadoda
 9/19/2018 2:57:04 PM



#56
 Bromoform
 Concen: 15.166 ug/l
 RT: 12.12 min Scan# 3219
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.1	39.2	58.8
254	11.9	9.0	13.6





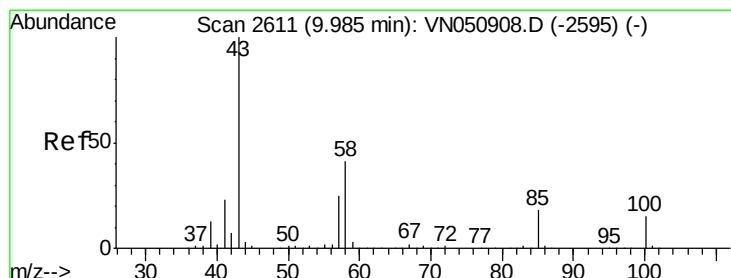
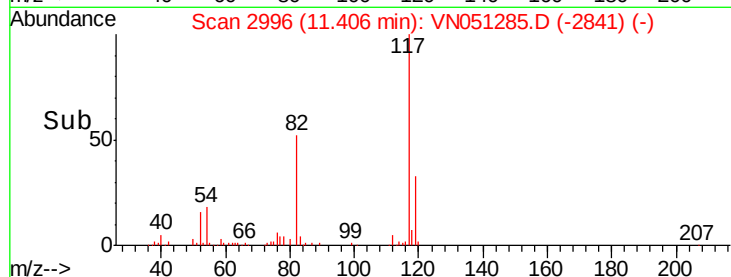
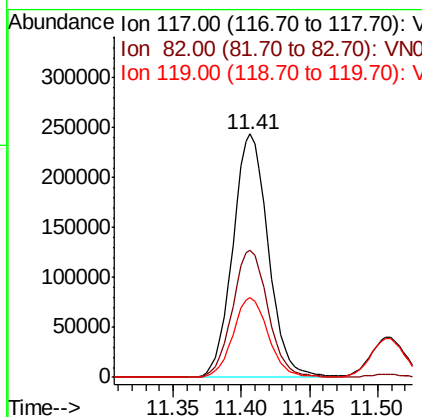
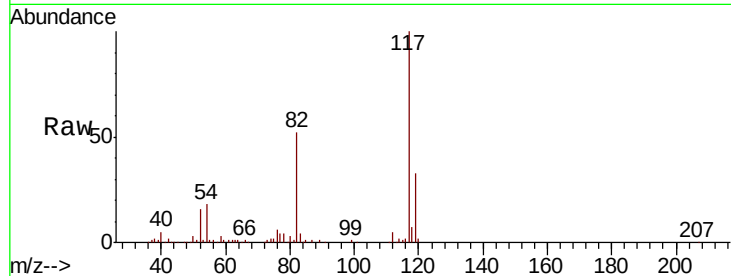
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.6	64.0
119	32.5	25.7	38.5

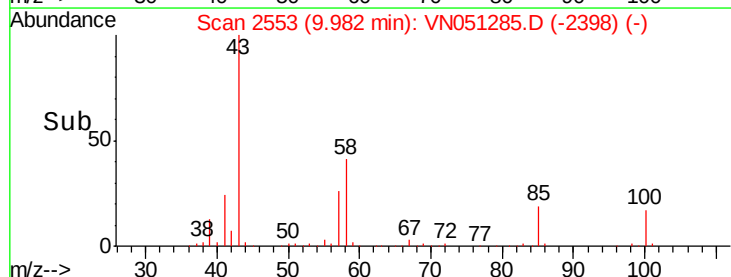
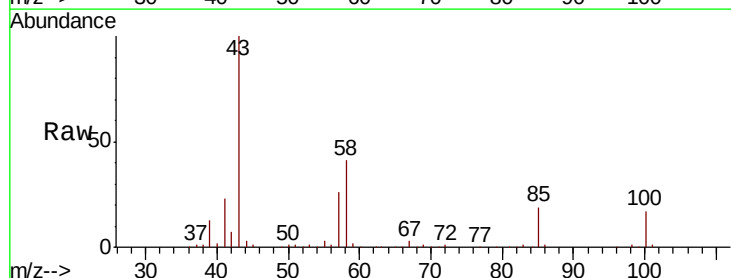
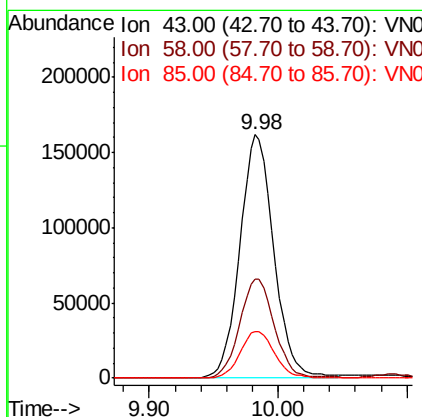
Manual Integrations
APPROVED

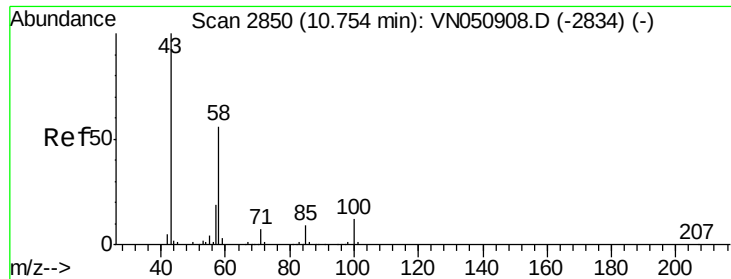
MMDadoda
9/19/2018 2:57:04 PM



#58
4-Methyl-2-Pentanone
Concen: 58.616 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.7	32.3	48.5
85	19.7	14.9	22.3





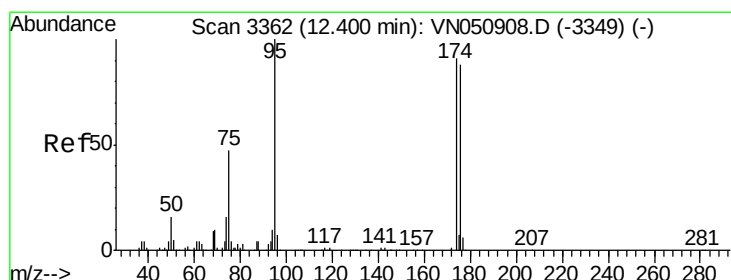
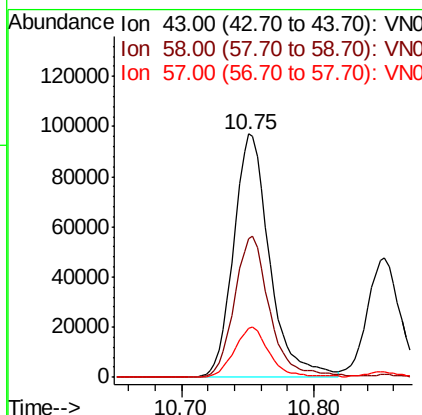
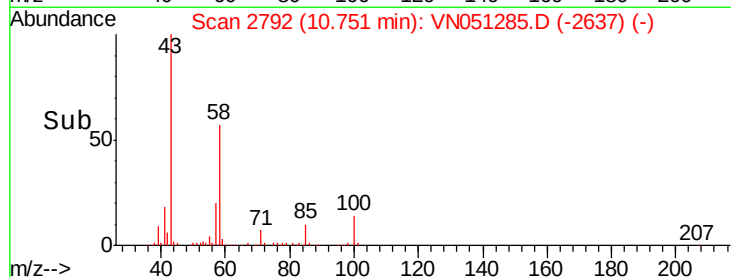
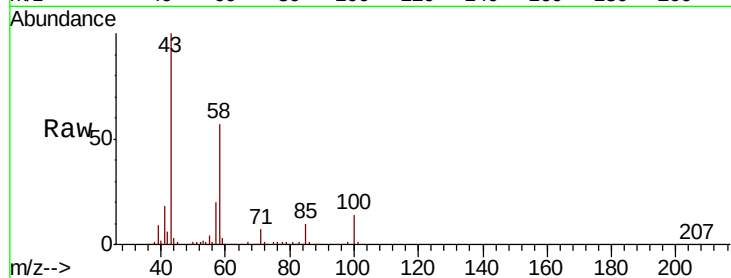
#59
2-Hexanone
Concen: 55.413 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	57.4	45.5	68.3
57	19.9	15.2	22.8

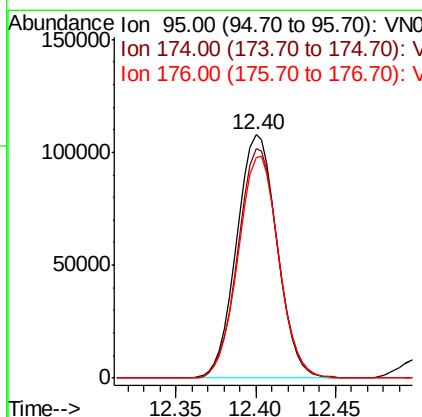
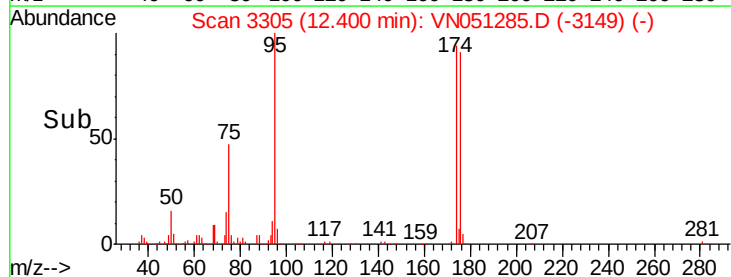
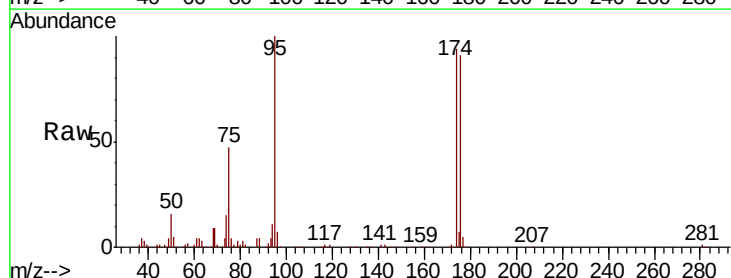
Manual Integrations
APPROVED

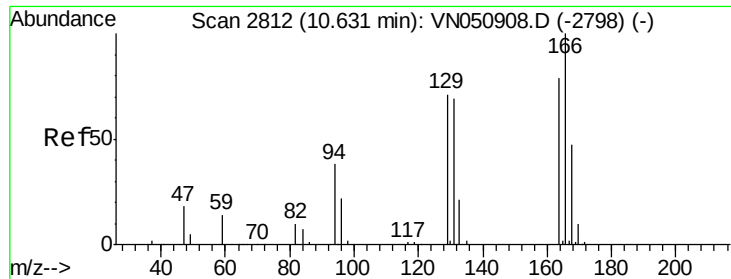
MMDadoda
9/19/2018 2:57:04 PM



#60
4-Bromofluorobenzene
Concen: 28.340 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.3	74.6	112.0
176	91.4	71.5	107.3





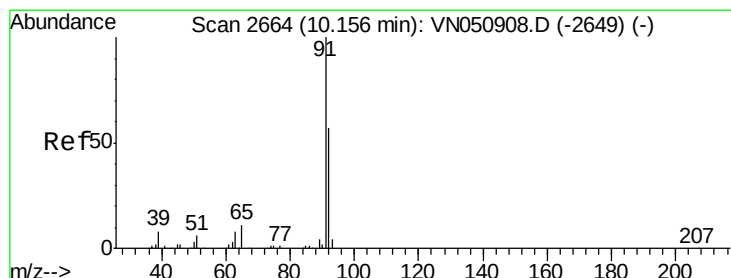
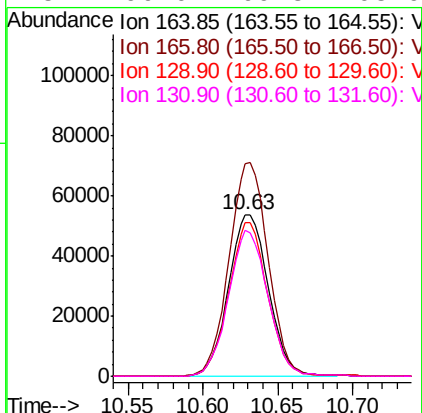
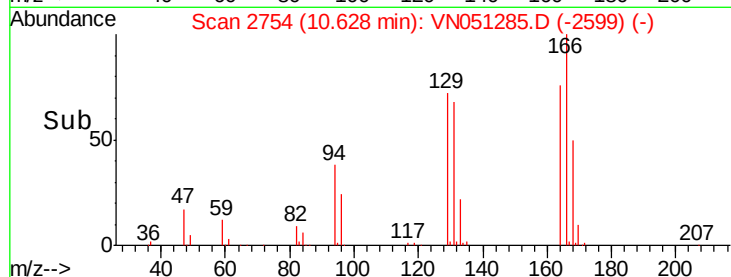
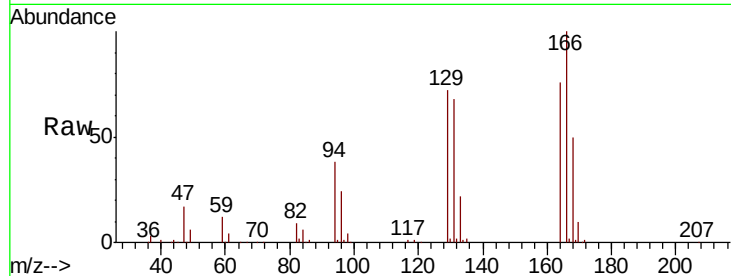
#61
Tetrachloroethene
Concen: 18.199 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.4	100.6	151.0
129	94.6	71.0	106.6
131	90.0	69.3	103.9

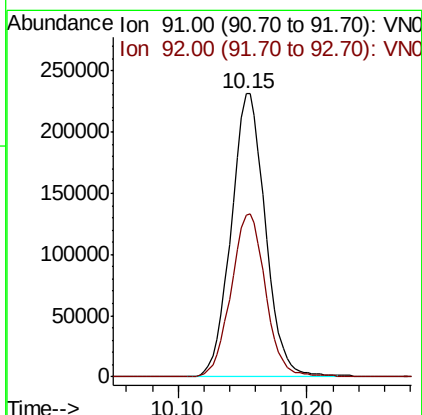
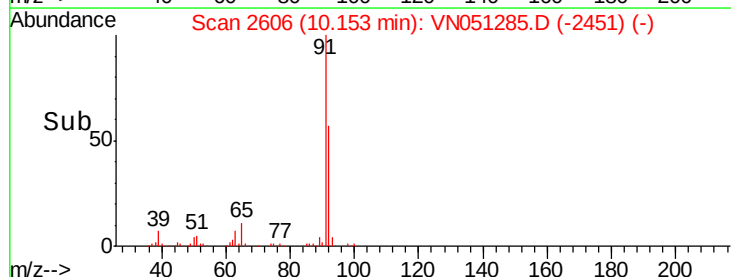
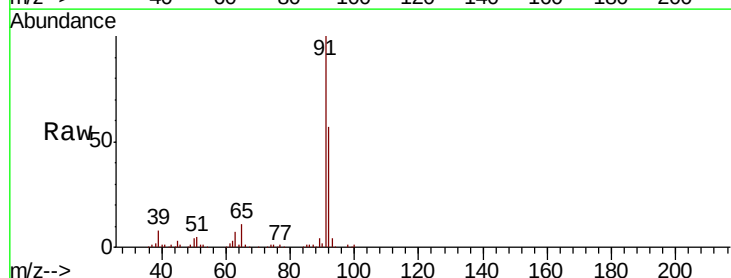
Manual Integrations
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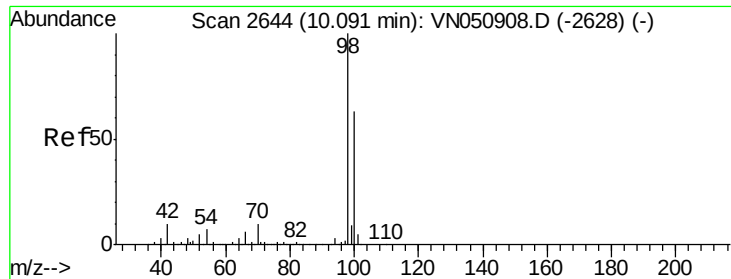
MMDadoda
9/19/2018 2:57:04 PM



#62
Toluene
Concen: 17.386 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.1	45.8	68.8





#63

Toluene-d8

Concen: 31.085 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020

Tgt Ion: 98 Resp: 637214

Ion Ratio Lower Upper

98 100

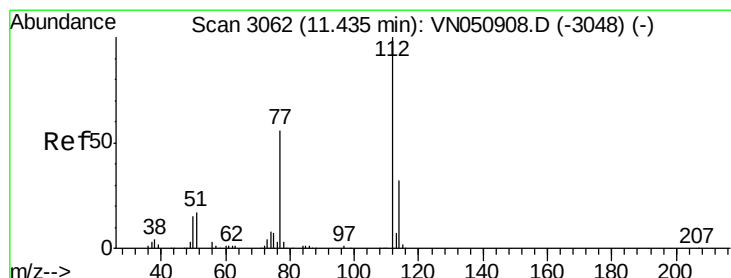
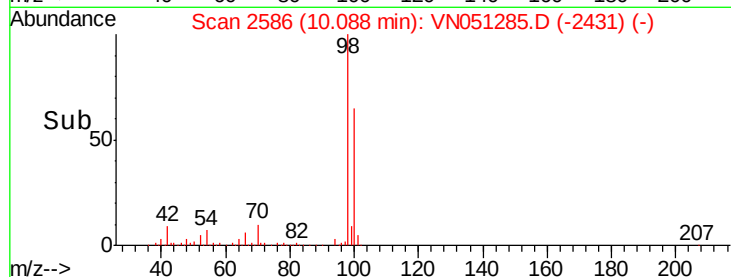
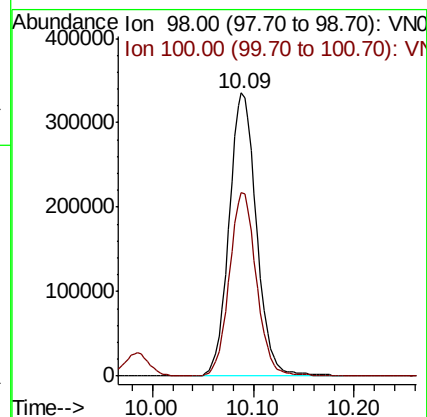
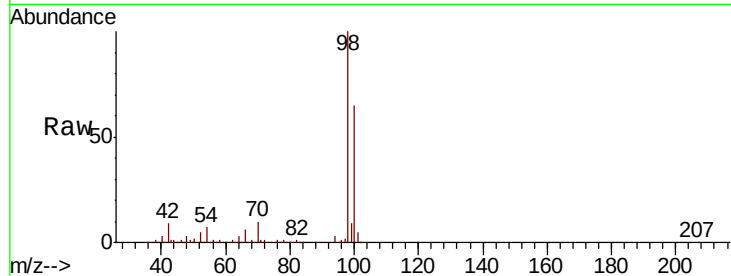
100 63.9 50.6 75.8

Manual Integrations

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#64

Chlorobenzene

Concen: 17.000 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051285.D

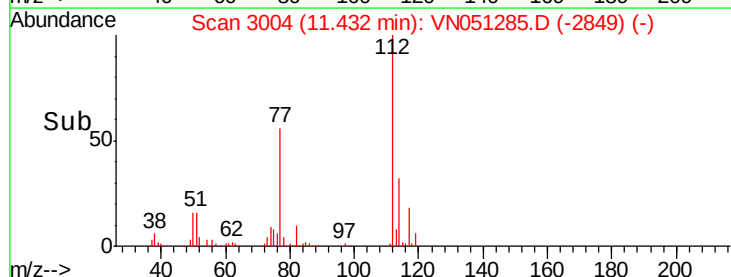
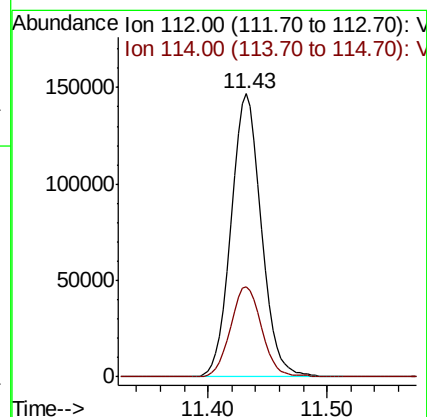
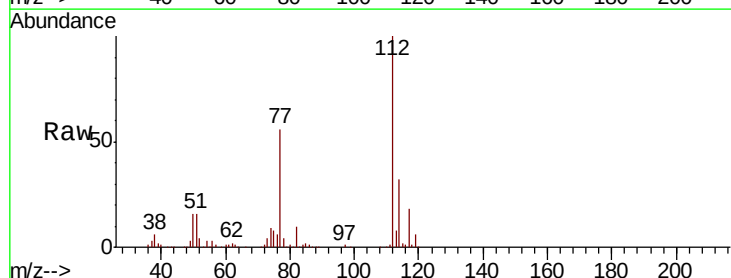
Acq: 18 Sep 2018 8:06

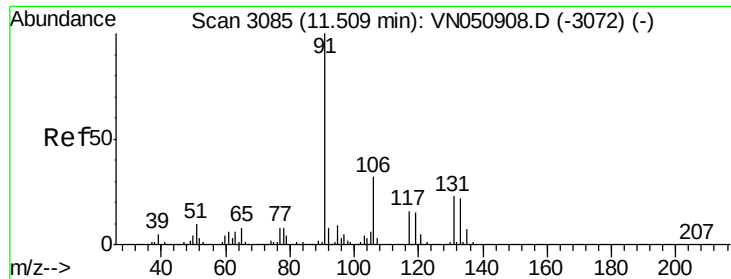
Tgt Ion: 112 Resp: 258387

Ion Ratio Lower Upper

112 100

114 31.9 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 18.032 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

Instrument :

MSVOA_N

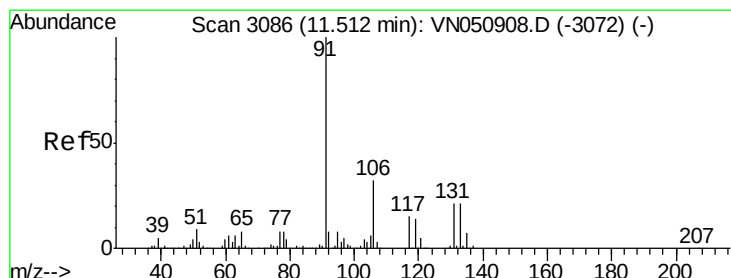
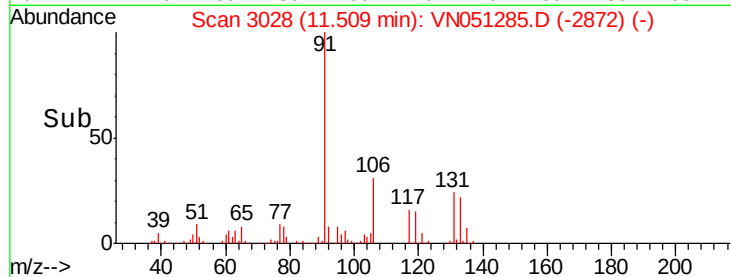
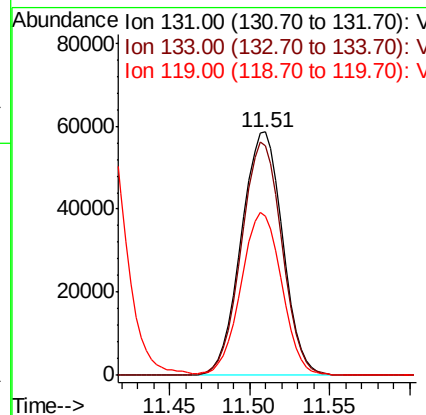
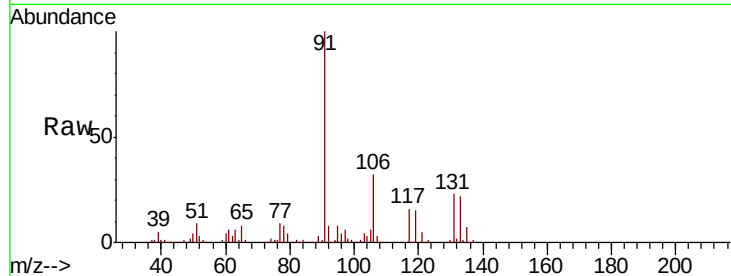
ClientSampled :

VSTDCCC020

Tgt Ion:	131	Resp:	103481
Ion Ratio	Lower	Upper	
131	100		
133	94.1	0.0	189.4
119	65.7	0.0	132.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 16.425 ug/l

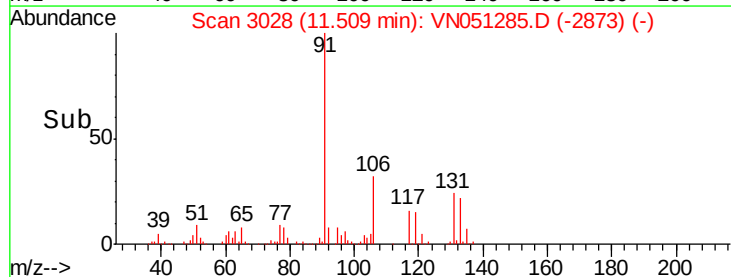
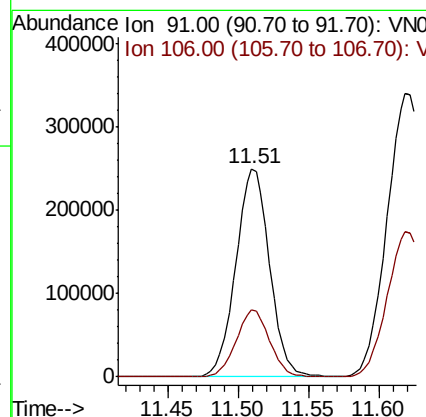
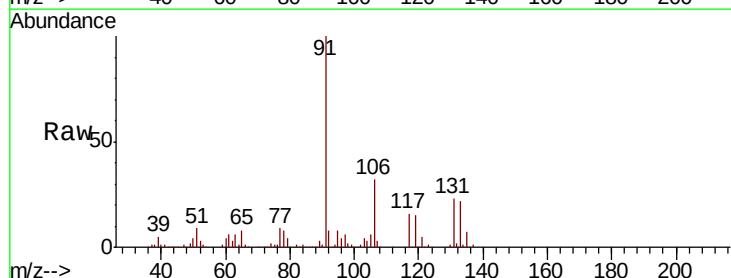
RT: 11.51 min Scan# 3028

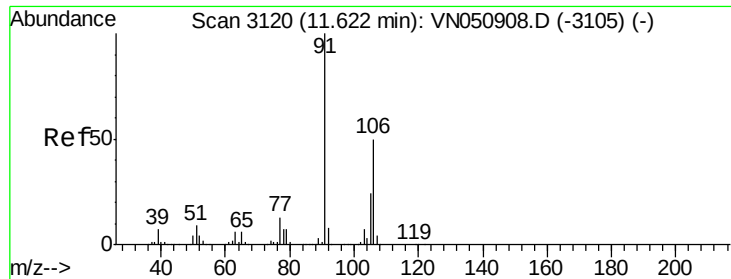
Delta R.T. -0.00 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

Tgt Ion:	91	Resp:	417239
Ion Ratio	Lower	Upper	
91	100		
106	32.2	25.7	38.5





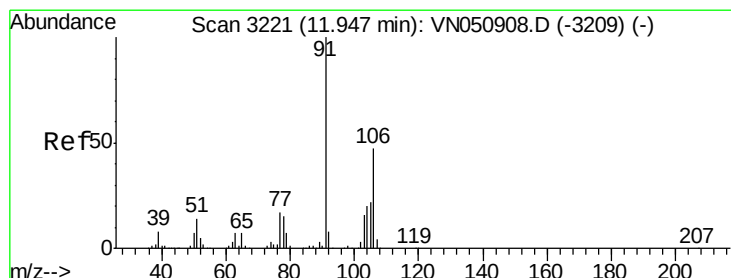
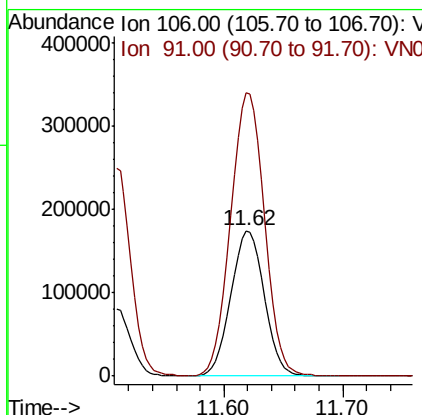
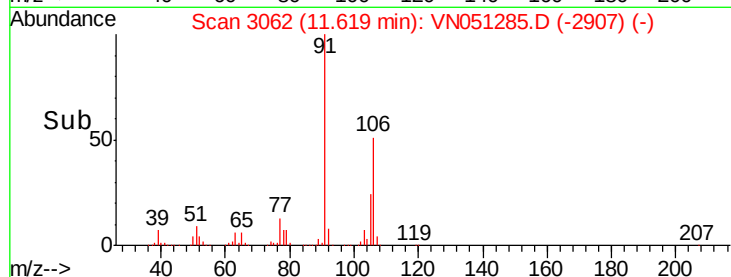
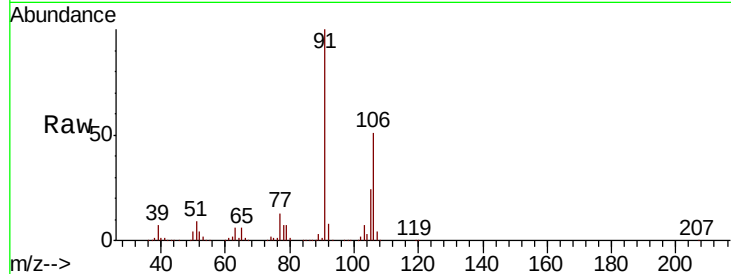
#67
m/p-Xylenes
Concen: 34.783 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion:106 Resp: 339957
Ion Ratio Lower Upper
106 100
91 197.1 160.6 241.0

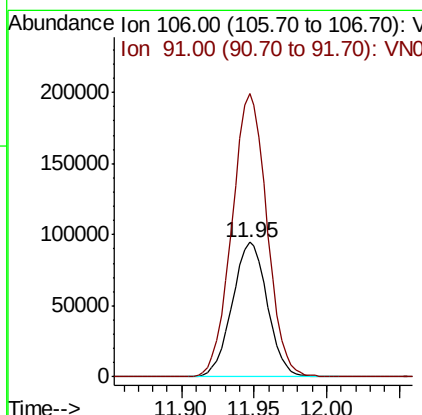
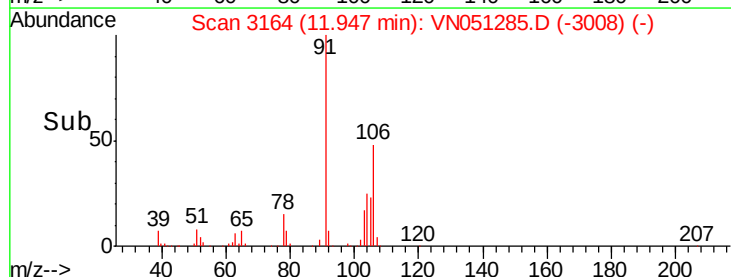
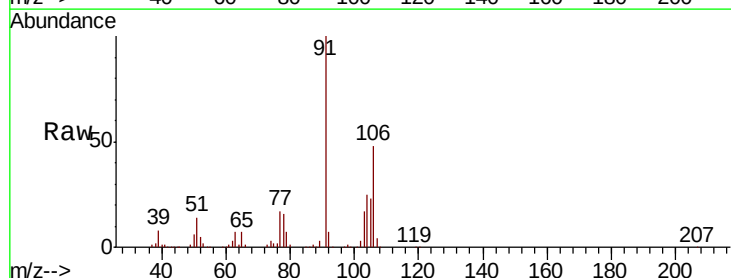
Manual Integrations
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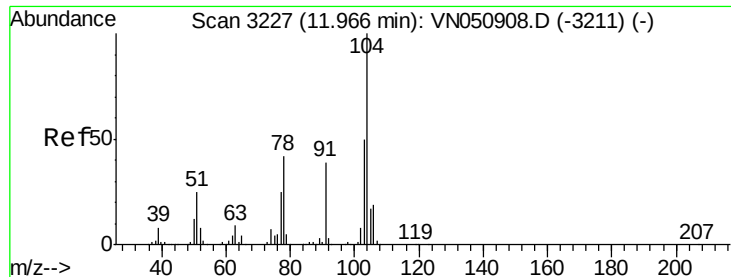
MMDadoda
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#68
o-Xylene
Concen: 17.022 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Tgt Ion:106 Resp: 158963
Ion Ratio Lower Upper
106 100
91 209.6 106.4 319.2





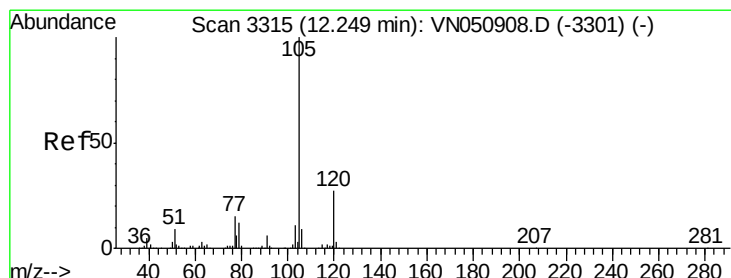
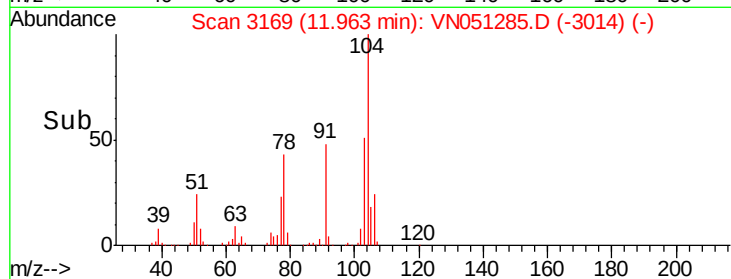
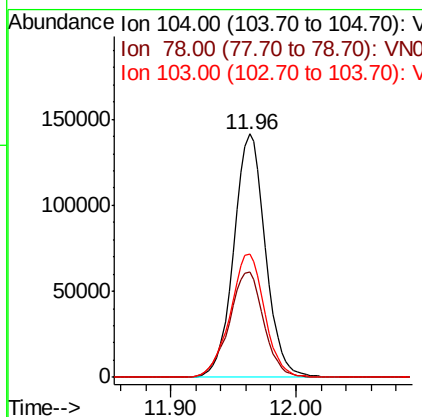
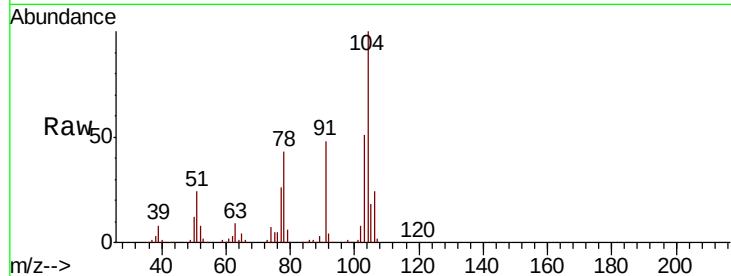
#69
Styrene
 Concen: 16.665 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	247445		
78	47.3	38.6	58.0	
103	55.0	45.4	68.2	

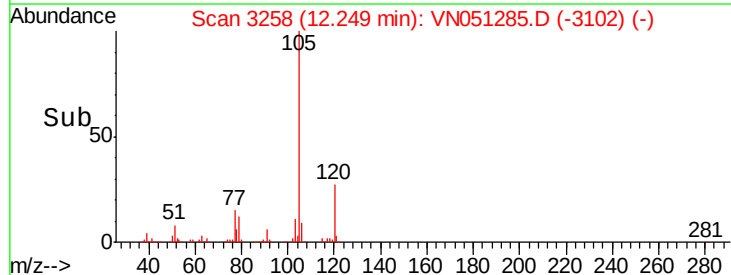
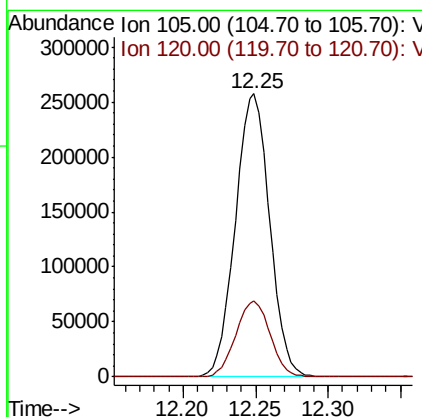
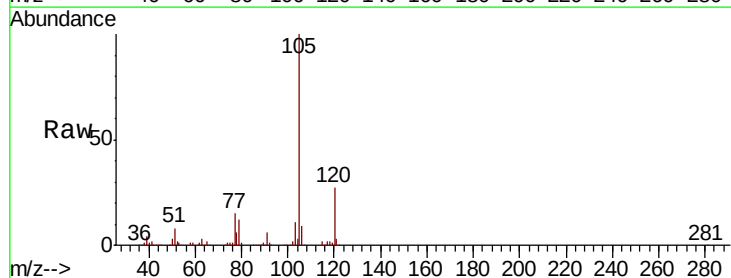
Manual Integrations
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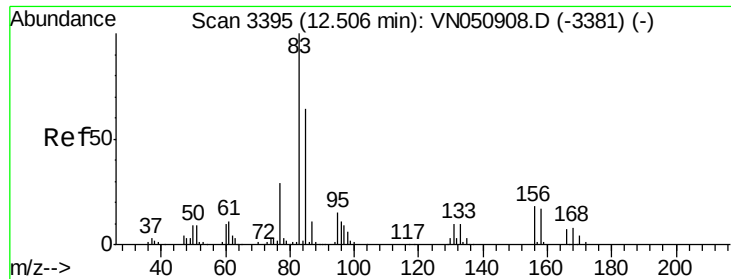
MMDadoda
 9/19/2018 2:57:04 PM



#70
Isopropylbenzene
 Concen: 17.053 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. 0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	423176		
120	26.8	18.6	34.6	





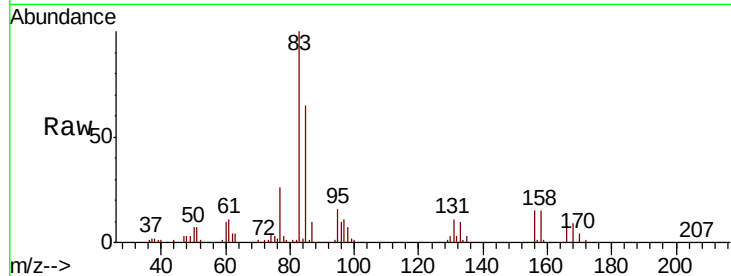
#71
 1,1,2,2-Tetrachloroethane
 Concen: 14.251 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

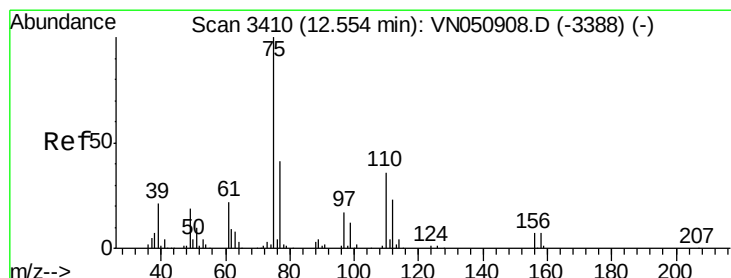
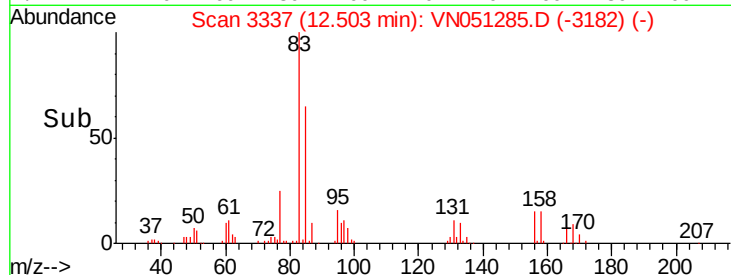
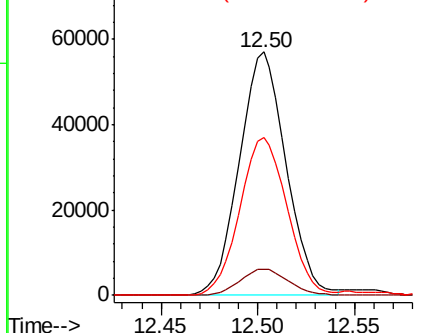
Tgt Ion	Ratio	Lower	Upper
83	100		
131	11.2	5.3	15.9
85	65.4	32.3	96.9

Manual Integrations
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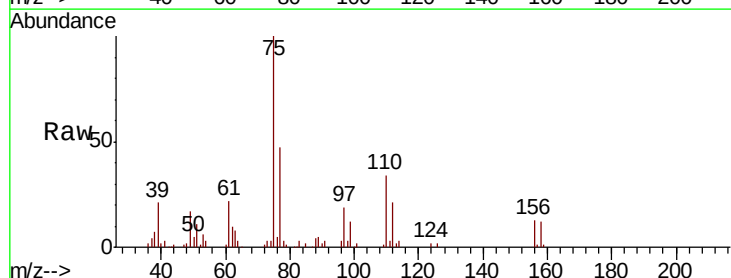


Abundance Ion 83.00 (82.70 to 83.70): VN0
 Ion 131.00 (130.70 to 131.70): V
 Ion 85.00 (84.70 to 85.70): VN0

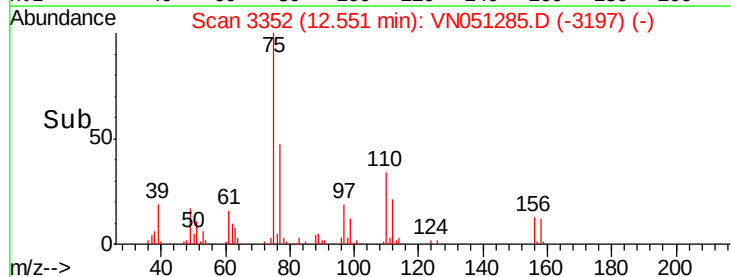
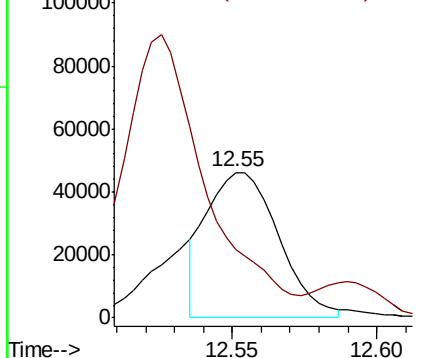


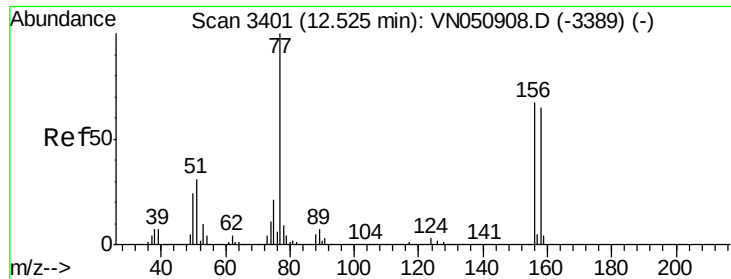
#72
 1,2,3-Trichloropropane
 Concen: 13.924 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	223.1	0.0	301.6



Abundance Ion 75.00 (74.70 to 75.70): VN0
 Ion 77.00 (76.70 to 77.70): VN0





#73

Bromobenzene

Concen: 16.346 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

Instrument :

MSVOA_N

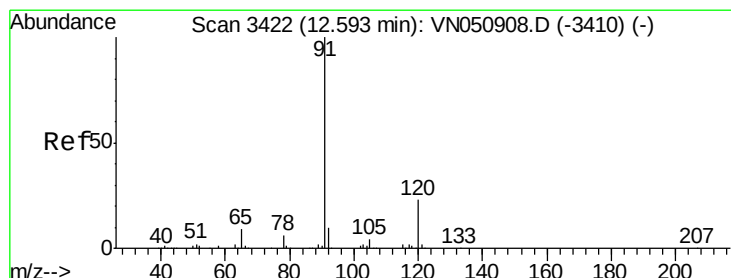
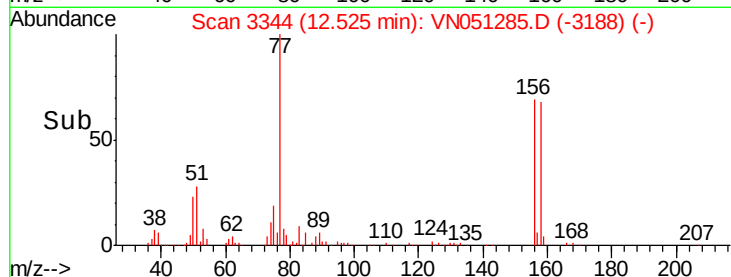
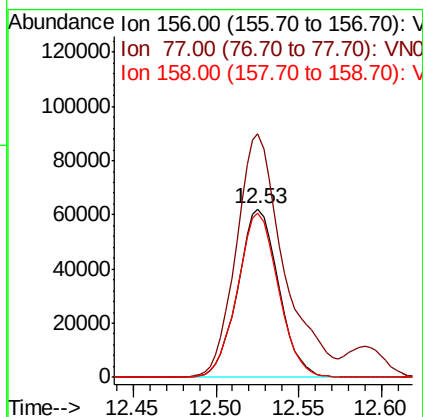
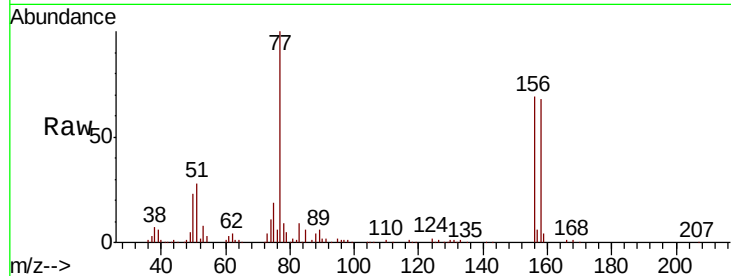
ClientSampleId :

VSTDCCC020

Tgt Ion:	156	Resp:	106725
Ion Ratio	Lower	Upper	
156	100		
77	168.7	0.0	359.4
158	97.5	0.0	194.6

Manual Integrations
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#74

n-propylbenzene

Concen: 16.085 ug/l

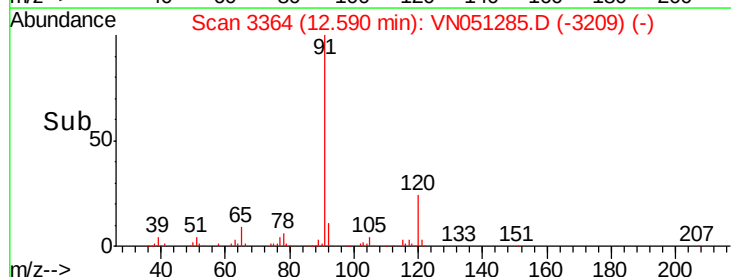
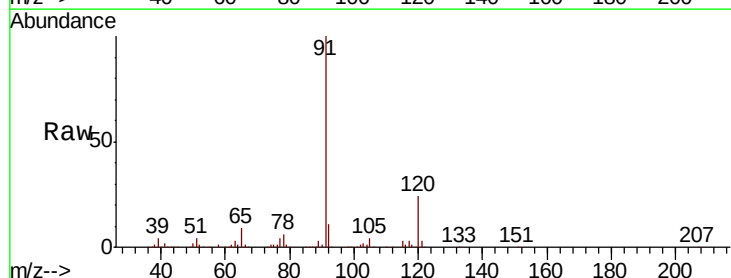
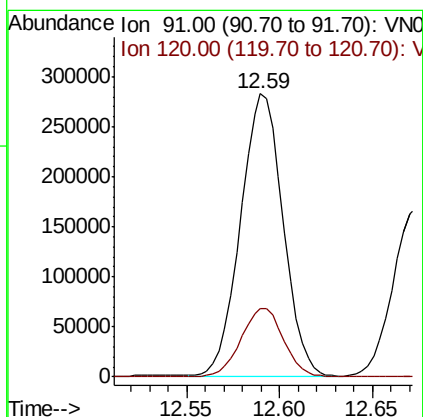
RT: 12.59 min Scan# 3364

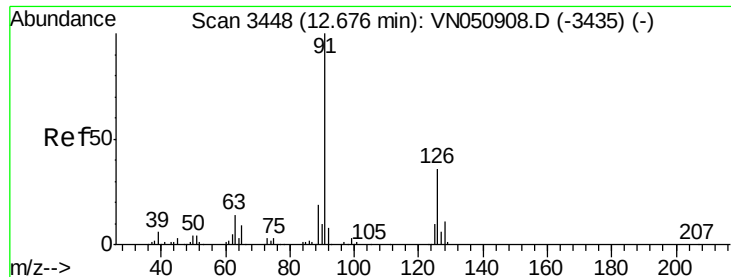
Delta R.T. -0.00 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

Tgt Ion:	91	Resp:	451272
Ion Ratio	Lower	Upper	
91	100		
120	24.2	0.0	46.0





#75

2-Chlorotoluene

Concen: 16.770 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC020

Tgt Ion: 91 Resp: 285834

Ion Ratio Lower Upper

91 100

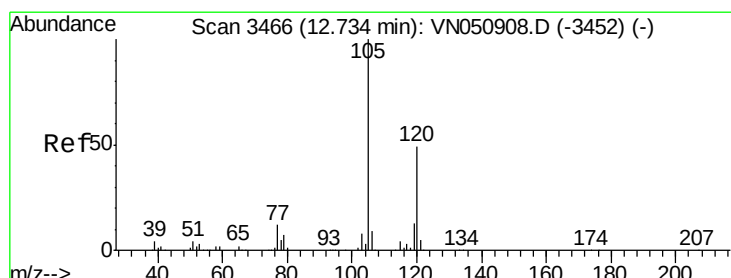
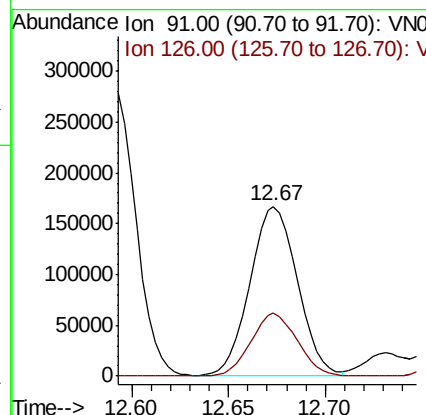
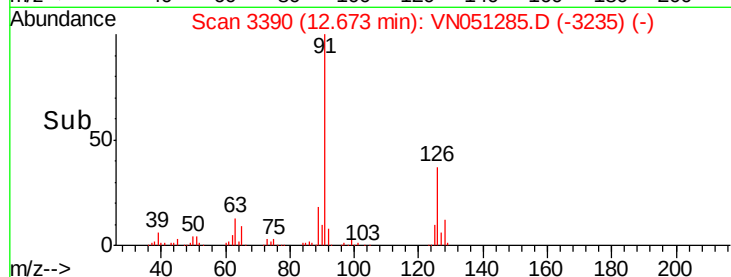
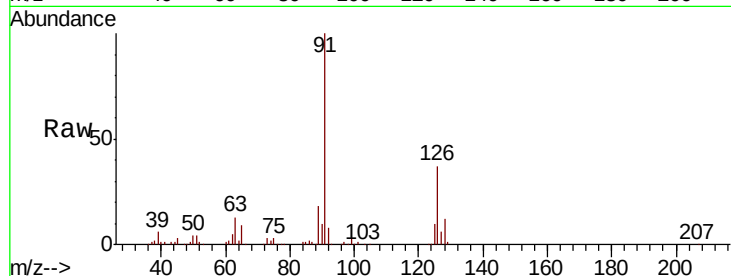
126 36.1 0.0 71.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 16.981 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN051285.D

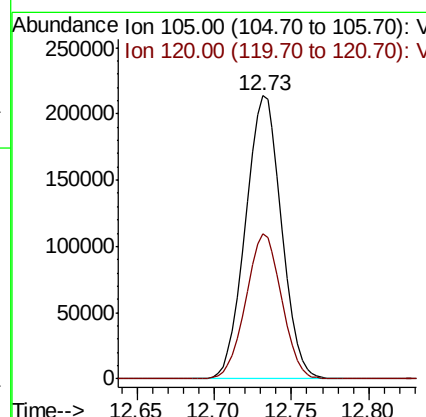
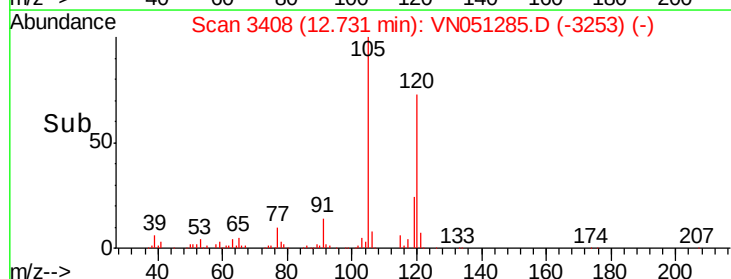
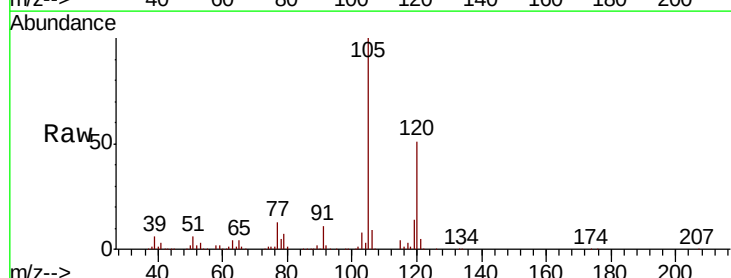
Acq: 18 Sep 2018 8:06

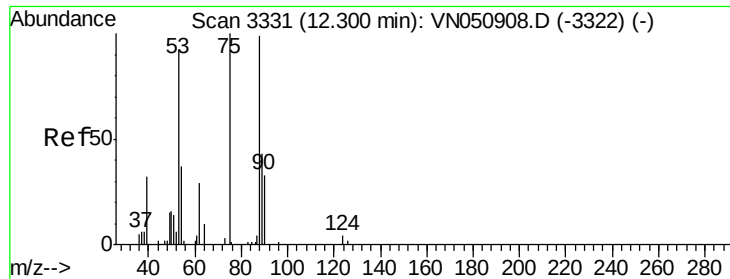
Tgt Ion: 105 Resp: 344356

Ion Ratio Lower Upper

105 100

120 51.0 0.0 99.6





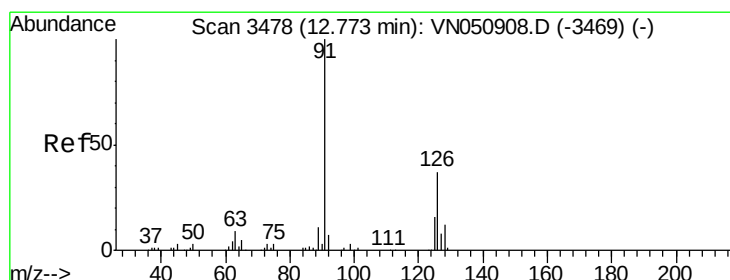
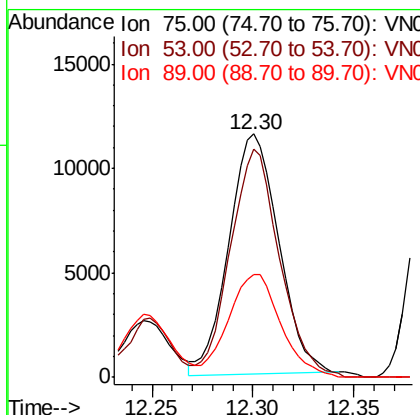
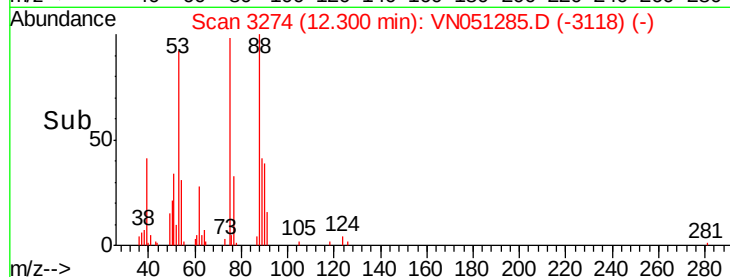
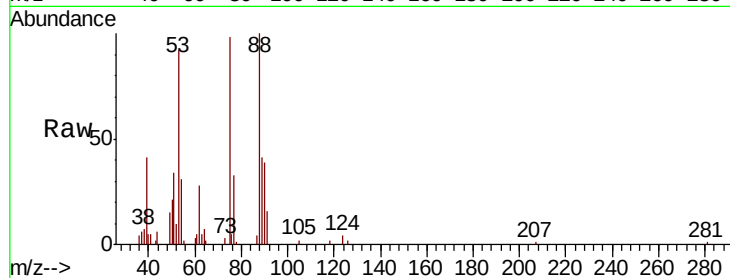
#77
t-1,4-Dichloro-2-butene
Concen: 12.063 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
53	93.8	45.5	136.4
89	43.0	21.9	65.8

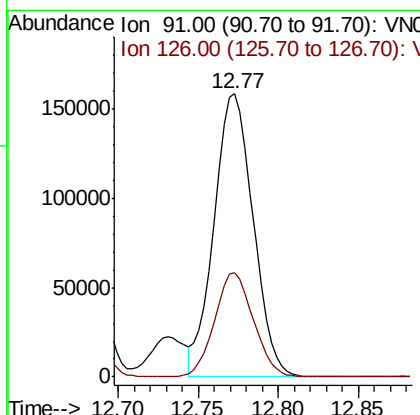
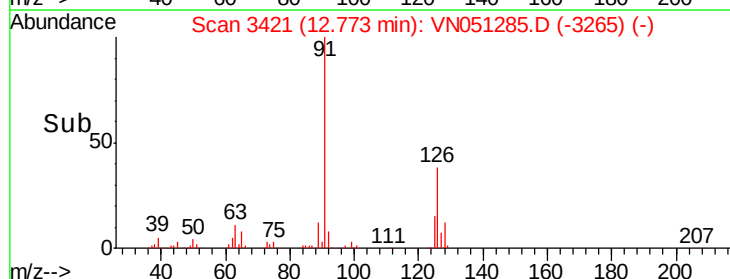
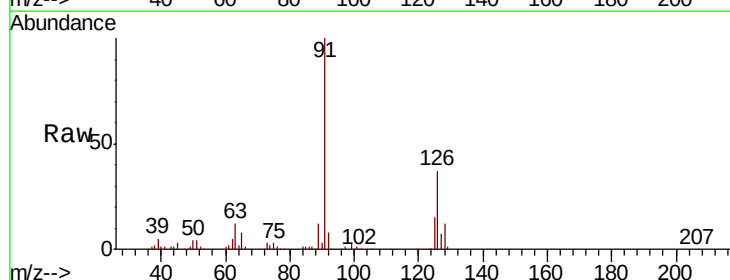
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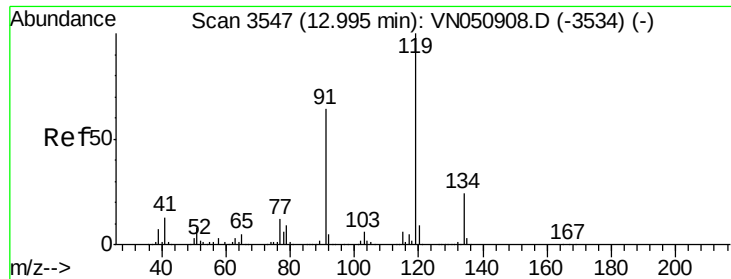
MMDadoda
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#78
4-Chlorotoluene
Concen: 15.871 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.6	0.0	69.8





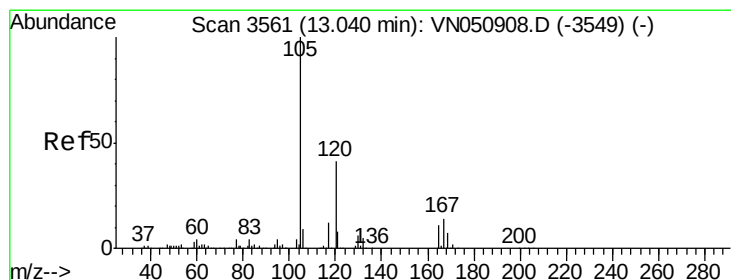
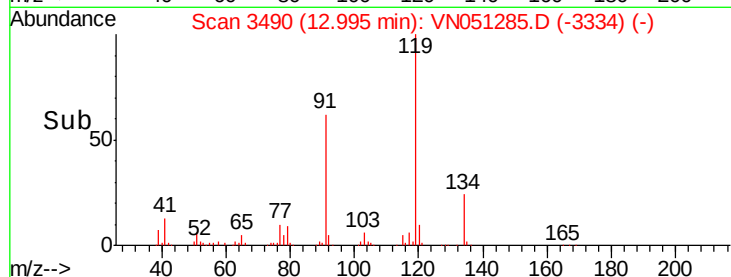
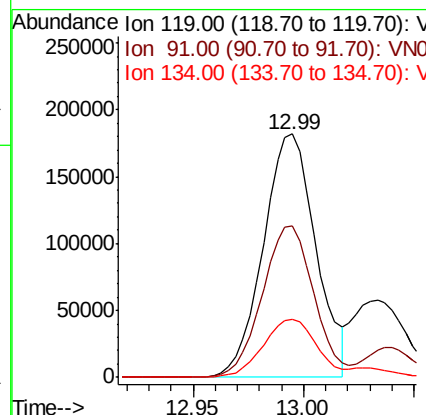
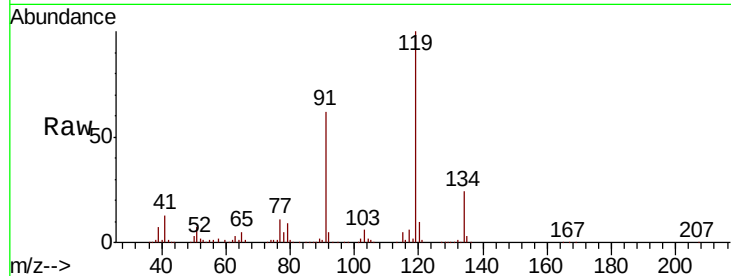
#79
 tert-butylbenzene
 Concen: 17.061 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	300481		
91	60.9	0.0	125.6	
134	24.5	0.0	48.4	

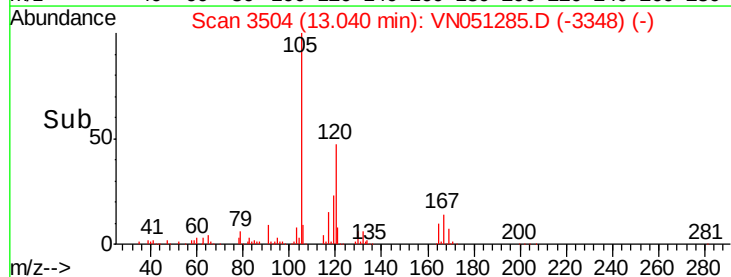
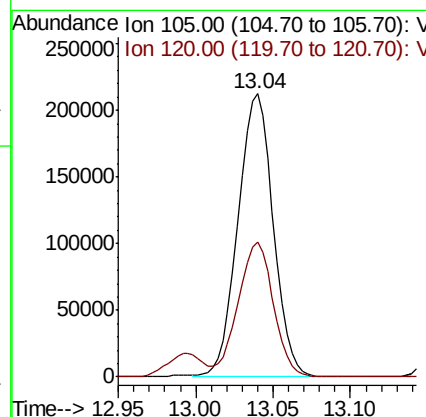
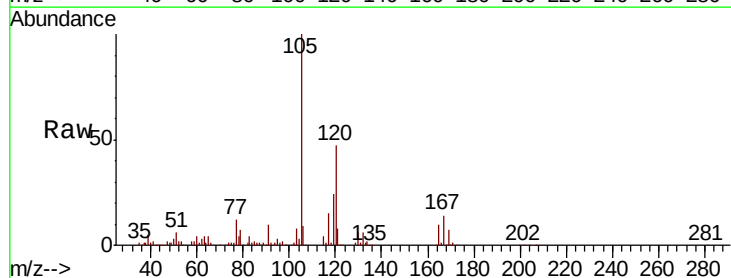
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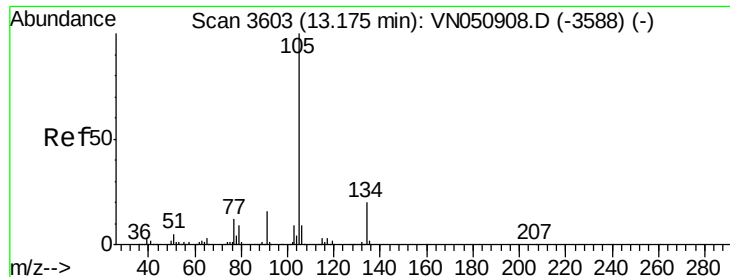
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#80
 1,2,4-Trimethylbenzene
 Concen: 16.569 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	334997		
120	47.7	0.0	93.6	





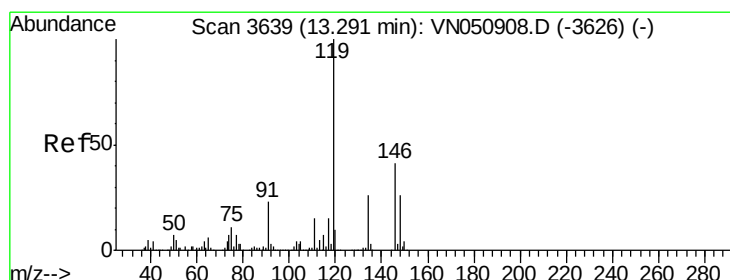
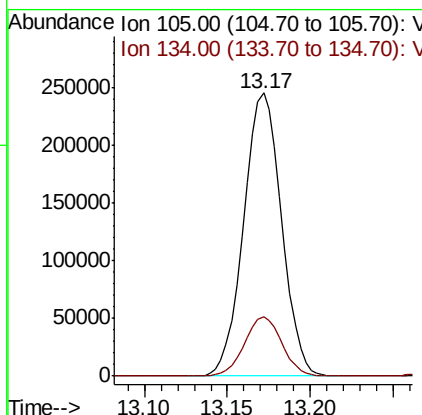
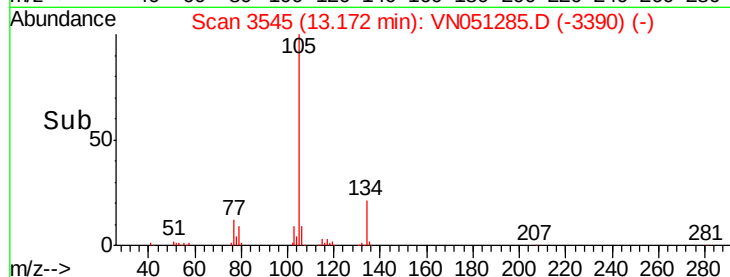
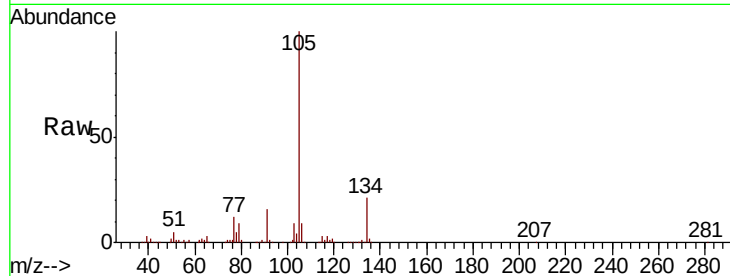
#81
 sec-Butylbenzene
 Concen: 16.826 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.7	0.0	40.8

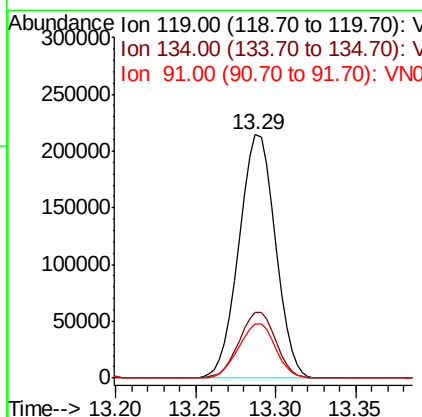
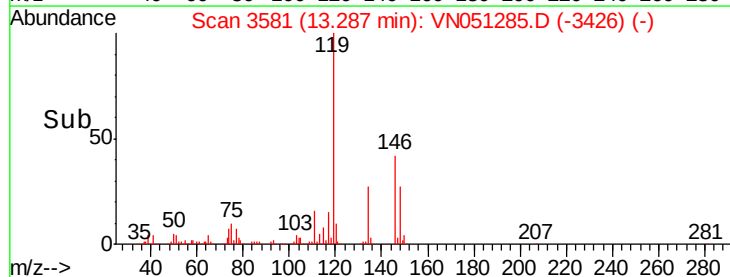
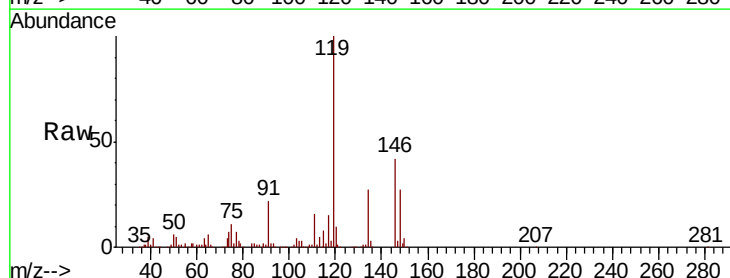
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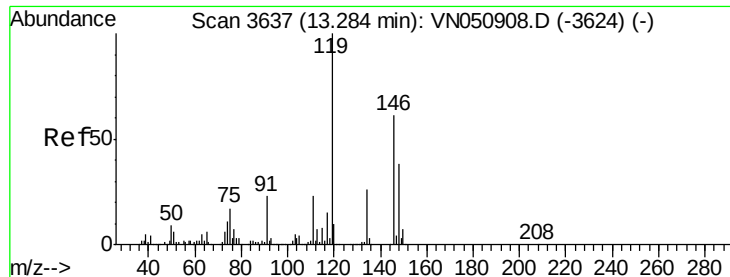
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#82
 p-Isopropyltoluene
 Concen: 16.697 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	0.0	53.2
91	22.5	0.0	46.0





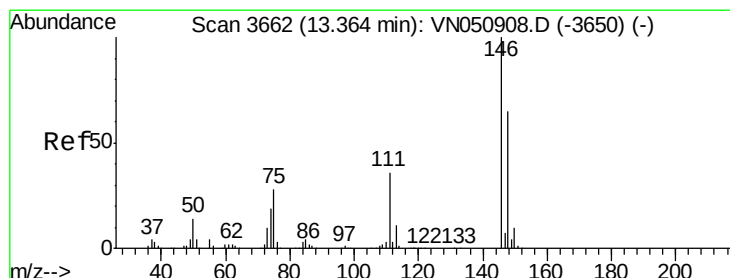
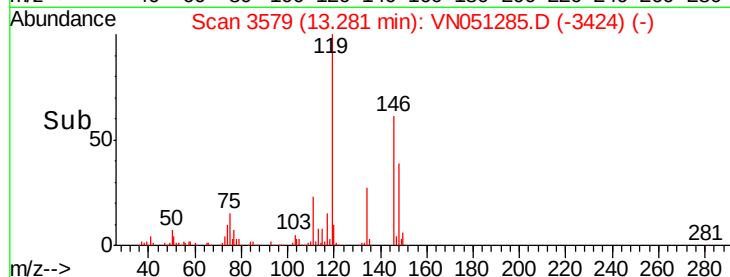
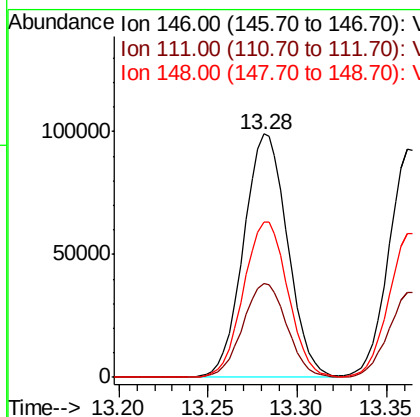
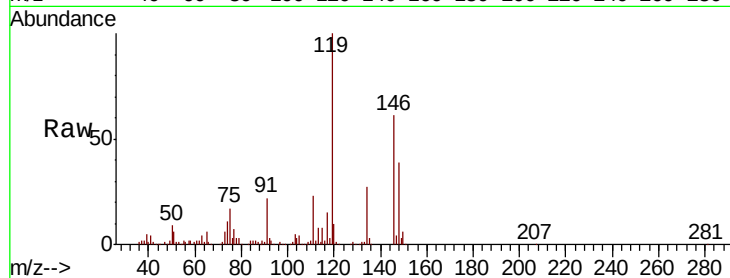
#83
 1,3-Dichlorobenzene
 Concen: 15.485 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.6	55.6
148	64.3	31.8	95.3

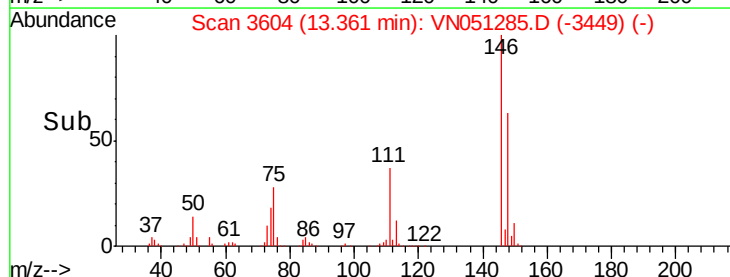
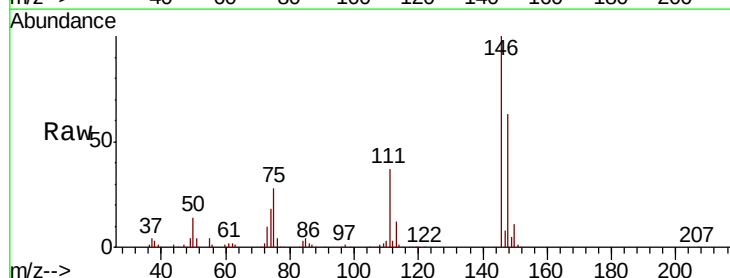
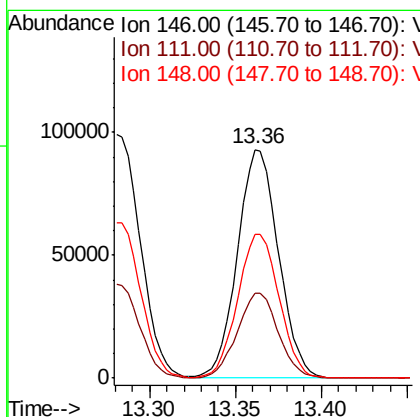
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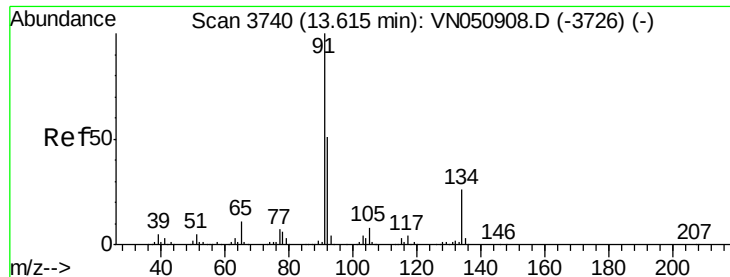
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#84
 1,4-Dichlorobenzene
 Concen: 14.722 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	17.7	53.1
148	63.6	31.6	94.8





#85

n-Butylbenzene

Concen: 14.167 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN051285.D

Acq: 18 Sep 2018 8:06

Instrument :

MSVOA_N

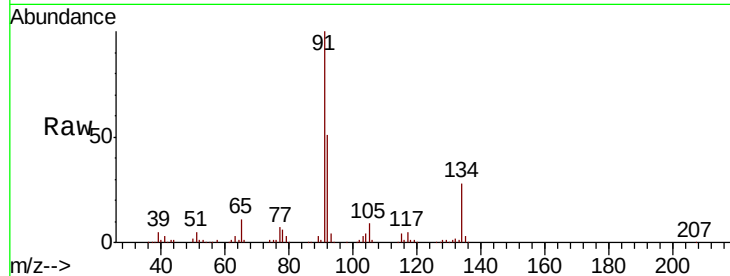
ClientSampleId :

VSTDCCC020

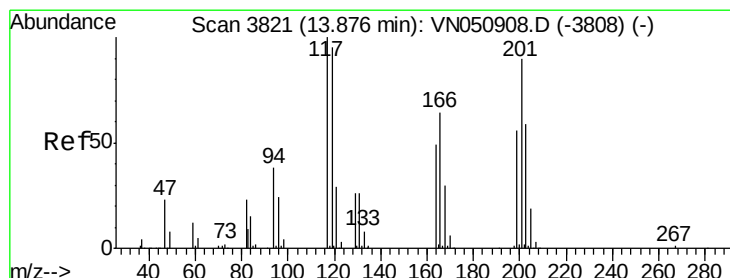
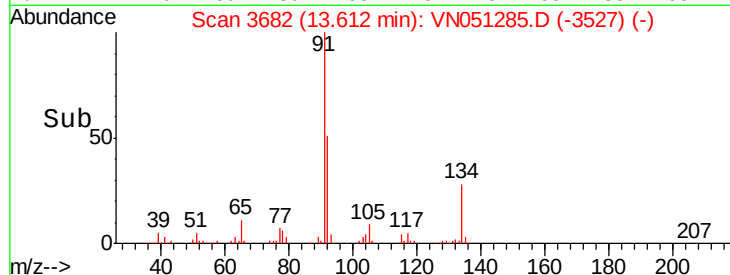
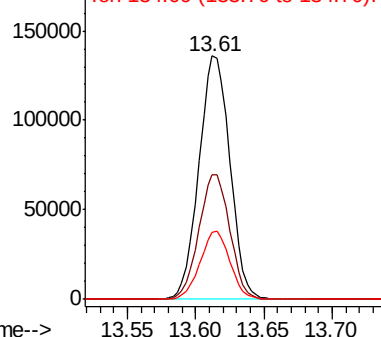
Tgt Ion:	91	Resp:	215011
Ion Ratio	Lower	Upper	
91	100		
92	50.9	0.0	101.8
134	27.0	0.0	52.2

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Abundance Ion 91.00 (90.70 to 91.70): VN050908.D (-3726) (-)



#86

Hexachloroethane

Concen: 17.745 ug/l

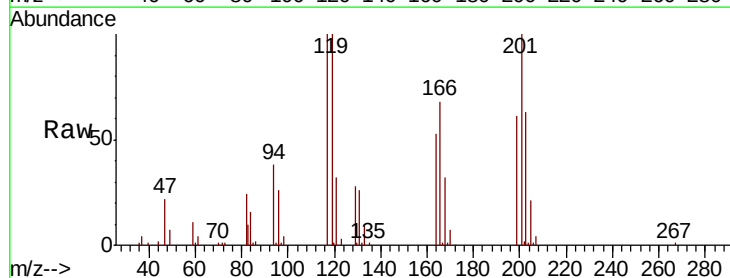
RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

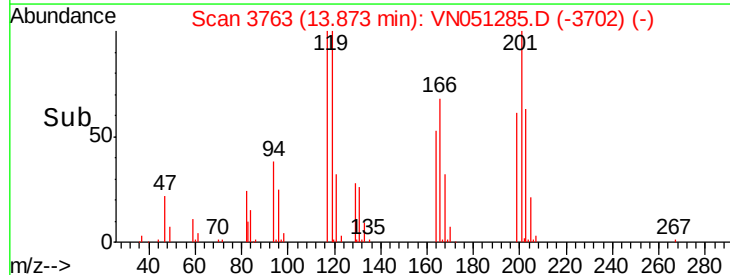
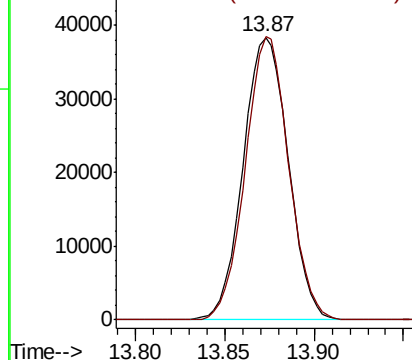
Lab File: VN051285.D

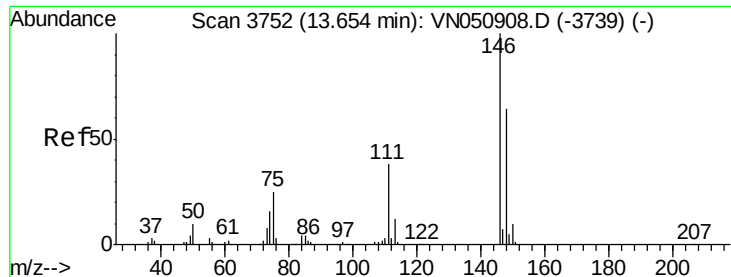
Acq: 18 Sep 2018 8:06

Tgt Ion:	117	Resp:	67746
Ion Ratio	Lower	Upper	
117	100		
201	96.4	45.8	137.4



Abundance Ion 117.00 (116.70 to 117.70): VN050908.D (-3808) (-)





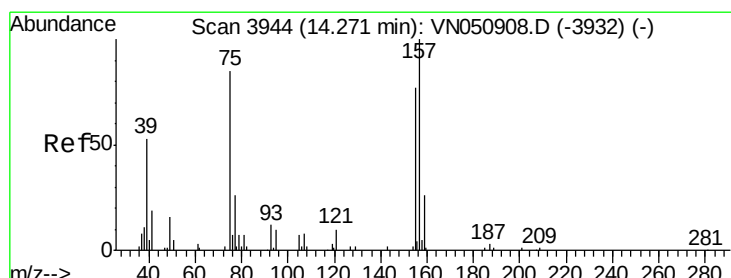
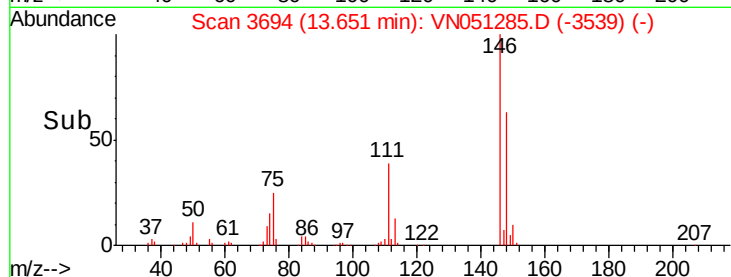
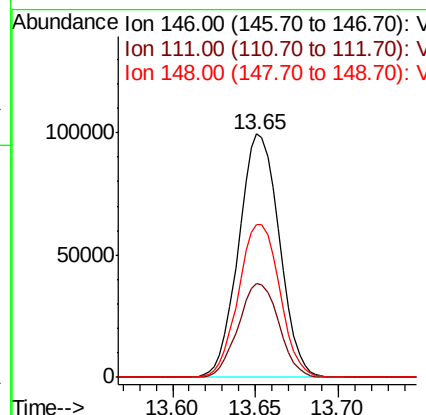
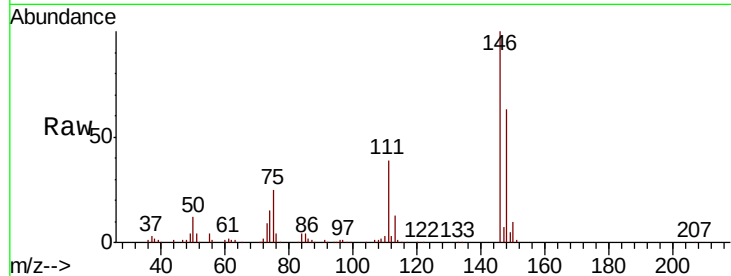
#87
 1,2-Dichlorobenzene
 Concen: 15.587 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	169362		
111	38.5	19.1	57.1	
148	64.1	31.9	95.9	

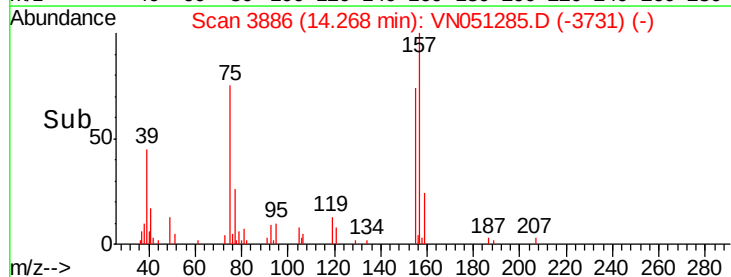
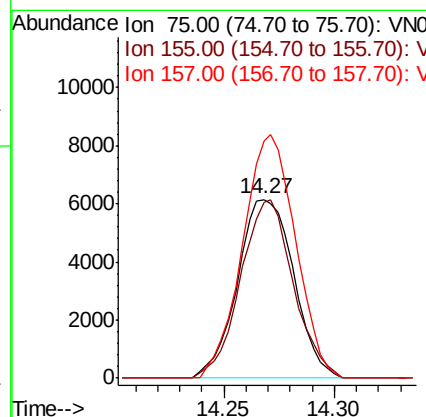
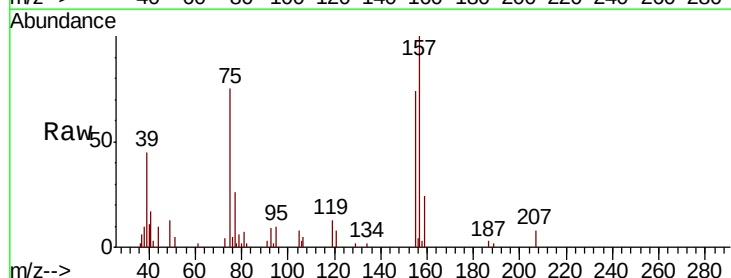
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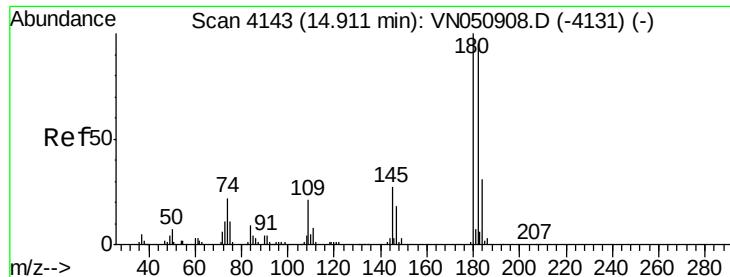
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 11.601 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	10905		
155	93.2	71.8	107.6	
157	128.0	91.1	136.7	





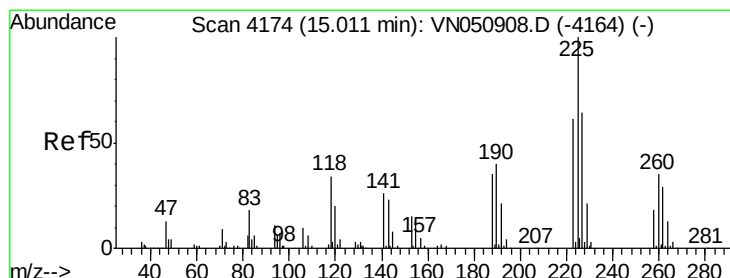
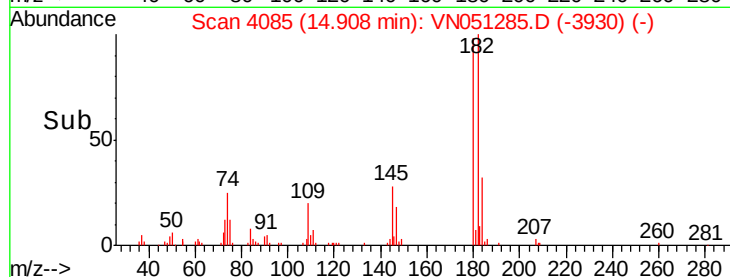
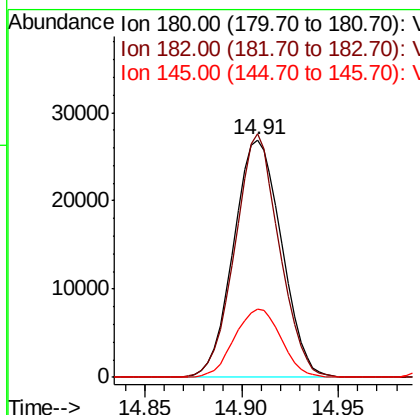
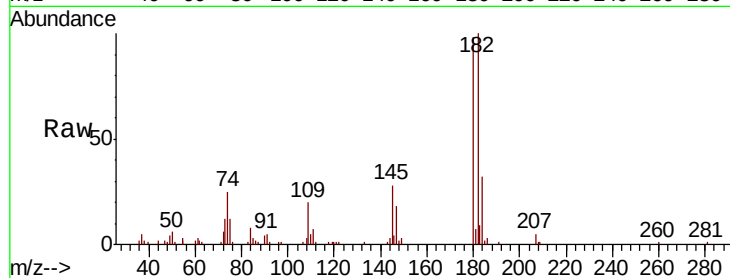
#89
 1,2,4-Trichlorobenzene
 Concen: 9.573 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	46306		
182	94.8	76.2	114.4	
145	28.1	22.2	33.4	

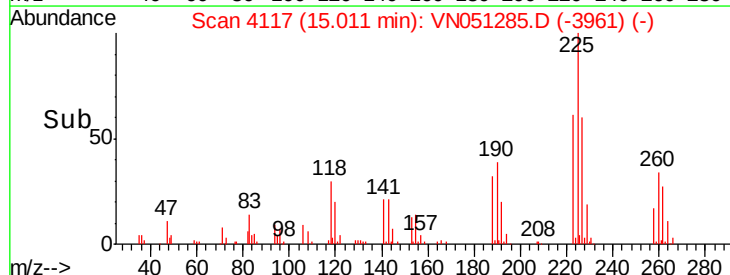
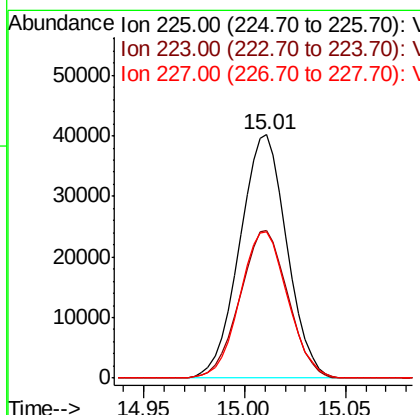
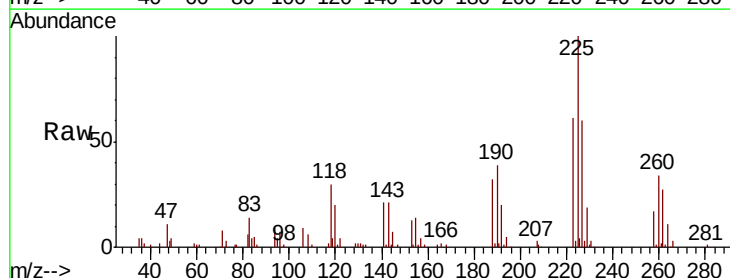
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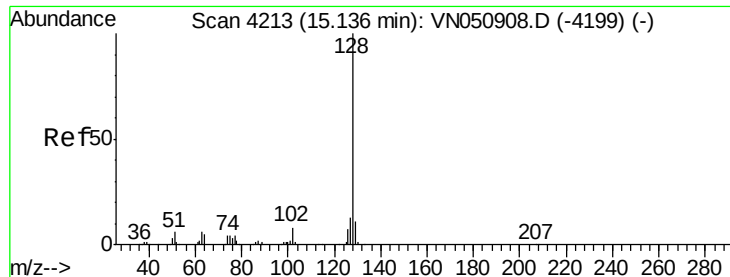
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#90
 Hexachlorobutadiene
 Concen: 20.030 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051285.D
 Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	65827		
223	61.5	0.0	127.8	
227	61.0	0.0	128.4	





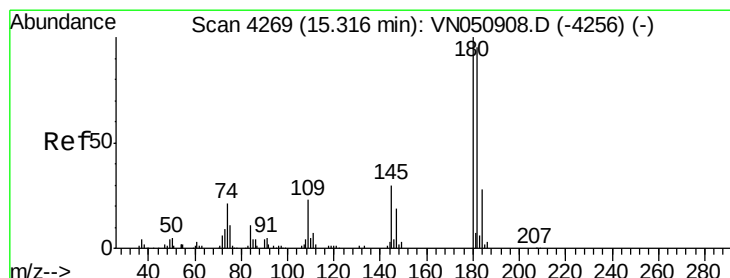
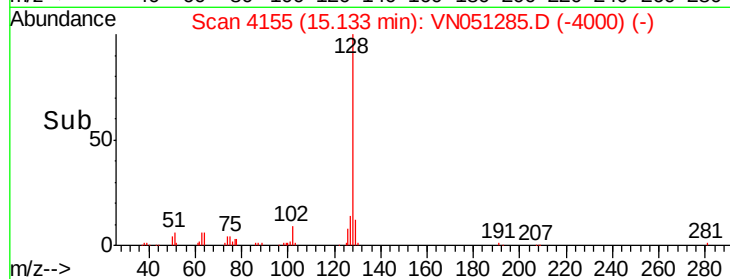
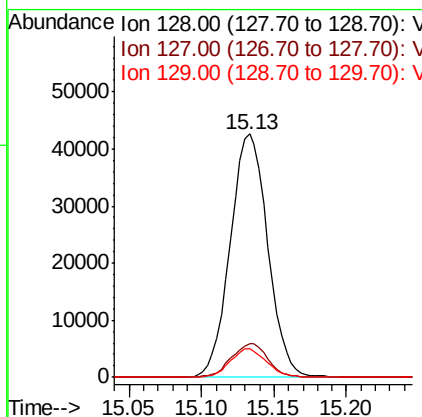
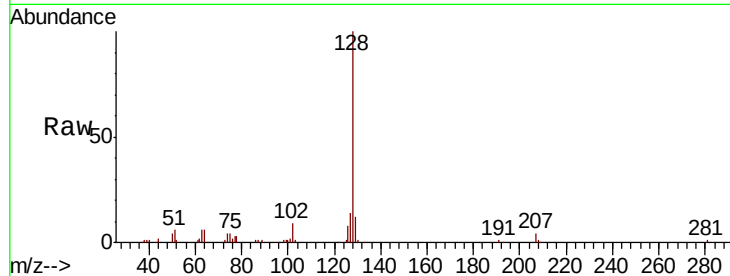
#91
Naphthalene
Concen: 13.635 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	11.4	8.7	13.1

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#92
1,2,3-Trichlorobenzene
Concen: 10.982 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051285.D
Acq: 18 Sep 2018 8:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	0.0	192.8
145	27.7	0.0	60.0

