

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041319\
 Data File : VN054999.D
 Acq On : 12 Apr 2019 15:13
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/16/2019 1:57:59 PM

Quant Time: Apr 13 03:14:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Apr 13 02:20:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	404751	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	631134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554669	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	204566	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	26119	4.91	ug/l	0.00
Spiked Amount			Recovery	=	9.82%	
35) Dibromofluoromethane	7.59	113	21240	5.17	ug/l	0.00
Spiked Amount			Recovery	=	10.34%	
50) Toluene-d8	10.09	98	73433	4.73	ug/l	0.00
Spiked Amount			Recovery	=	9.46%	
62) 4-Bromofluorobenzene	12.40	95	24502	4.74	ug/l	0.00
Spiked Amount			Recovery	=	9.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	20775	4.355	ug/l	97
3) Chloromethane	2.06	50	29206	4.644	ug/l	97
4) Vinyl Chloride	2.19	62	25399	4.658	ug/l	98
5) Bromomethane	2.56	94	15320	4.911	ug/l	97
6) Chloroethane	2.70	64	13751	4.506	ug/l	97
7) Trichlorofluoromethane	3.02	101	32582	4.898	ug/l	93
8) Diethyl Ether	3.41	74	9612	4.508	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.75	101	17215	4.890	ug/l	100
10) Methyl Iodide	3.94	142	21163	4.265	ug/l #	91
11) Tert butyl alcohol	4.83	59	7078m	24.972	ug/l	
12) 1,1-Dichloroethene	3.73	96	16567	4.756	ug/l	87
13) Acrolein	3.60	56	9761	26.364	ug/l #	56
14) Allyl chloride	4.32	41	35836	4.580	ug/l	95
15) Acrylonitrile	5.00	53	40457	24.215	ug/l	99
16) Acetone	3.82	43	35000	23.373	ug/l	93
17) Carbon Disulfide	4.04	76	47582	4.290	ug/l	98
18) Methyl Acetate	4.33	43	21826	5.385	ug/l #	83
19) Methyl tert-butyl Ether	5.05	73	54875	4.759	ug/l	95
20) Methylene Chloride	4.55	84	25840	5.232	ug/l	95
21) trans-1,2-Dichloroethene	5.04	96	20085	4.567	ug/l	88
22) Diisopropyl ether	5.96	45	72949	4.523	ug/l	91
23) Vinyl Acetate	5.90	43	239063	21.275	ug/l	99
24) 1,1-Dichloroethane	5.84	63	42004	4.791	ug/l	99
25) 2-Butanone	6.85	43	48382	23.953	ug/l	99
26) 2,2-Dichloropropane	6.82	77	26596	4.355	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	23994	4.790	ug/l	98
28) Bromochloromethane	7.19	49	21658	5.231	ug/l	93
29) Tetrahydrofuran	7.22	42	33194	24.857	ug/l	98
30) Chloroform	7.37	83	39105	4.700	ug/l	100
31) Cyclohexane	7.64	56	45545	4.552	ug/l #	91
32) 1,1,1-Trichloroethane	7.56	97	31172	4.458	ug/l	97
36) 1,1-Dichloropropene	7.79	75	29971	4.862	ug/l	97
37) Ethyl Acetate	6.94	43	20536	4.740	ug/l	96
38) Carbon Tetrachloride	7.77	117	26934	4.540	ug/l	95

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 Misc : 5.00mL/MSVOA N/WATER
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 MSVOA_N
 ClientSampleID :
 VSTDIC005

Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	32625	4.803	ug/l	97
40) Benzene	8.04	78	89324	5.007	ug/l	99
41) Methacrylonitrile	7.17	41	13716m	5.553	ug/l	
42) 1,2-Dichloroethane	8.12	62	32507	5.174	ug/l	99
43) Isopropyl Acetate	8.17	43	33669	4.619	ug/l	97
44) Trichloroethene	8.83	130	23349	5.114	ug/l	99
45) 1,2-Dichloropropane	9.12	63	26027	5.235	ug/l	98
46) Dibromomethane	9.21	93	14080	4.953	ug/l	99
47) Bromodichloromethane	9.40	83	27527	4.645	ug/l	98
48) Methyl methacrylate	9.20	41	16387	4.471	ug/l	95
49) 1,4-Dioxane	9.21	88	3744	99.241	ug/l	87
51) 4-Methyl-2-Pentanone	9.99	43	99848	24.417	ug/l	97
52) Toluene	10.15	92	52303	4.982	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	22219	4.086	ug/l	92
54) cis-1,3-Dichloropropene	9.84	75	28319	4.256	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	19242	5.007	ug/l	97
56) Ethyl methacrylate	10.43	69	21929	4.381	ug/l	98
57) 1,3-Dichloropropane	10.71	76	32306	4.817	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	41924	21.312	ug/l	99
59) 2-Hexanone	10.75	43	61013	23.989	ug/l	97
60) Dibromochloromethane	10.90	129	17341	4.337	ug/l	97
61) 1,2-Dibromoethane	11.00	107	17510	4.859	ug/l	93
64) Tetrachloroethene	10.63	164	22941	5.165	ug/l	97
65) Chlorobenzene	11.43	112	52786	4.726	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	18696	4.571	ug/l	94
67) Ethyl Benzene	11.51	91	97699	4.854	ug/l	98
68) m/p-Xylenes	11.62	106	72151	9.796	ug/l	96
69) o-Xylene	11.95	106	34306	4.783	ug/l	98
70) Styrene	11.96	104	53389	4.635	ug/l	99
71) Bromoform	12.13	173	10287	4.155	ug/l #	97
73) Isopropylbenzene	12.25	105	90147	5.252	ug/l	99
74) N-amyl acetate	12.07	43	24045	5.003	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	23643	5.526	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	20061m	5.430	ug/l	
77) Bromobenzene	12.53	156	21648	5.201	ug/l	99
78) n-propylbenzene	12.59	91	97903	5.176	ug/l	98
79) 2-Chlorotoluene	12.67	91	60675	5.176	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	74266	5.272	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	3646	4.136	ug/l #	76
82) 4-Chlorotoluene	12.77	91	57751	5.209	ug/l	100
83) tert-Butylbenzene	12.99	119	64969	5.408	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	70730	5.194	ug/l	99
85) sec-Butylbenzene	13.17	105	82692	5.321	ug/l	99
86) p-Isopropyltoluene	13.29	119	68587	5.127	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	35502	5.145	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	33374	5.074	ug/l	94
89) n-Butylbenzene	13.61	91	48082	4.529	ug/l	99
90) Hexachloroethane	13.87	117	11357	5.104	ug/l	92
91) 1,2-Dichlorobenzene	13.65	146	35538	5.230	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2788	4.682	ug/l	97

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

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Quant Time: Apr 13 03:14:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041319W.M
Quant Title : SW846 8260
QLast Update : Sat Apr 13 02:20:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	10468	3.504	ug/l	93
94) Hexachlorobutadiene	15.01	225	12960	5.692	ug/l	98
95) Naphthalene	15.13	128	23517	3.564	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	12402	3.995	ug/l	99

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

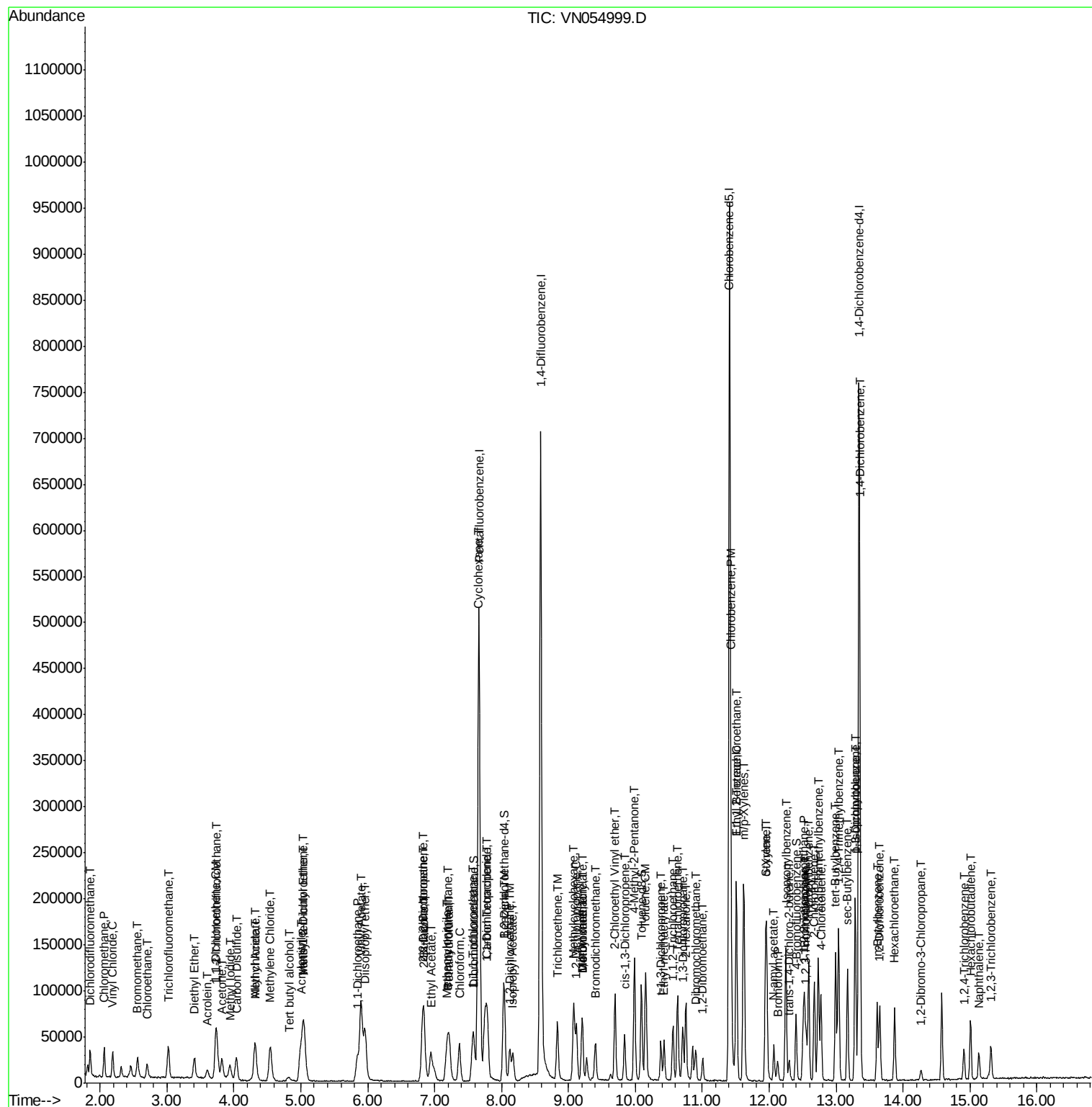
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Data File : VN054999.D
Acq On : 12 Apr 2019 15:13
Operator : JC/SP
Sample : VSTDIC005
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 3 Sample Multiplier: 1

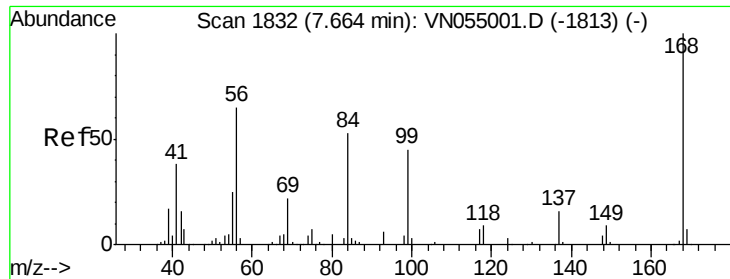
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Manual Integrations
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4/16/2019 1:57:59 PM

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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 404751

Ion Ratio Lower Upper

168 100

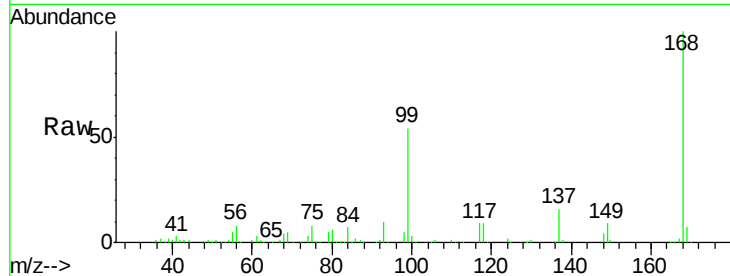
99 52.5 41.9 62.9

Manual Integrations

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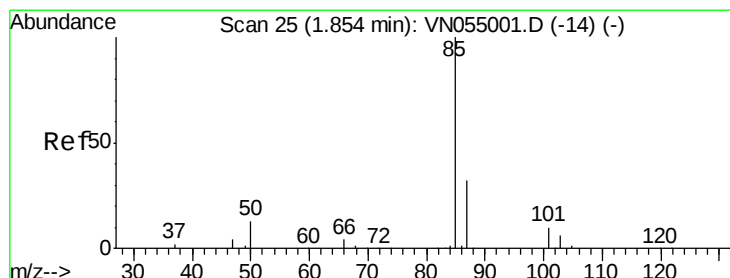
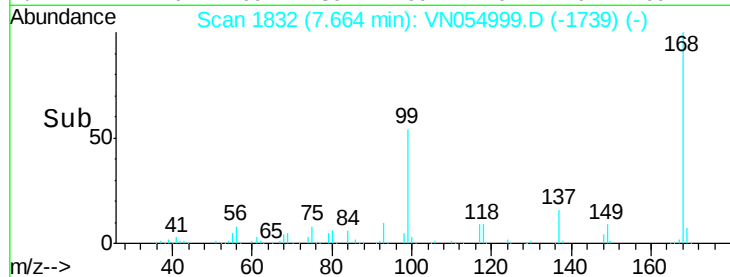
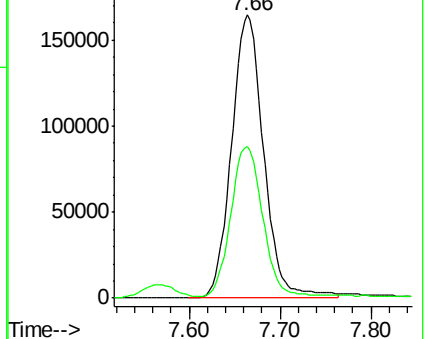
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 4.355 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN054999.D

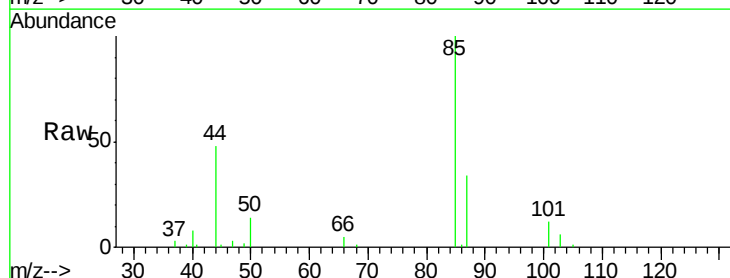
Acq: 12 Apr 2019 15:13

Tgt Ion: 85 Resp: 20775

Ion Ratio Lower Upper

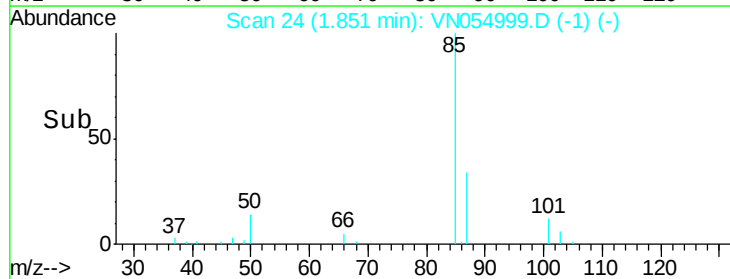
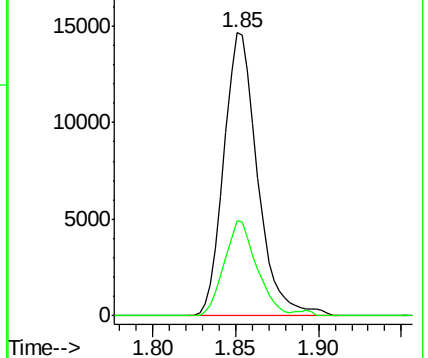
85 100

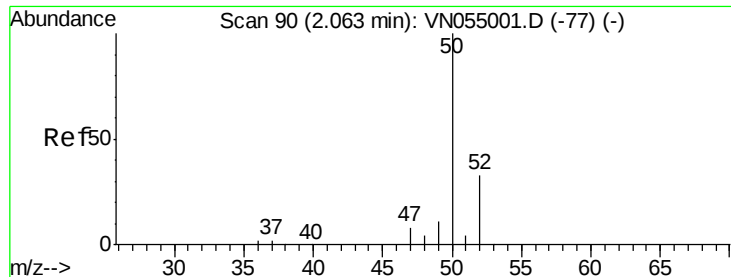
87 33.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 4.644 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 29206

Ion Ratio Lower Upper

50 100

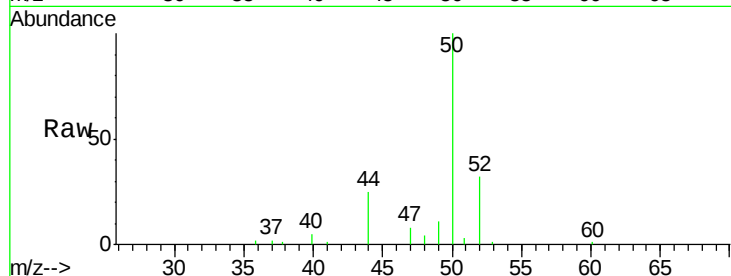
52 31.8 26.6 40.0

Manual Integrations

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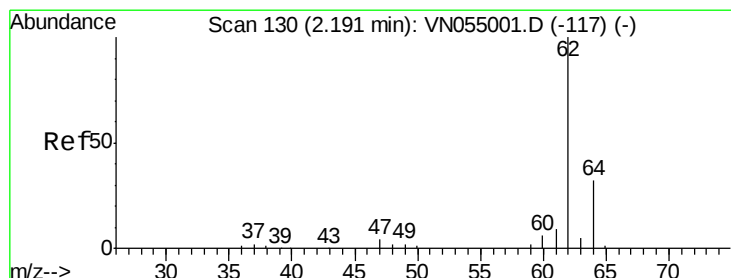
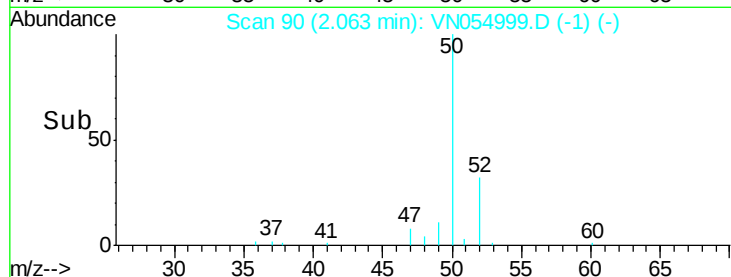
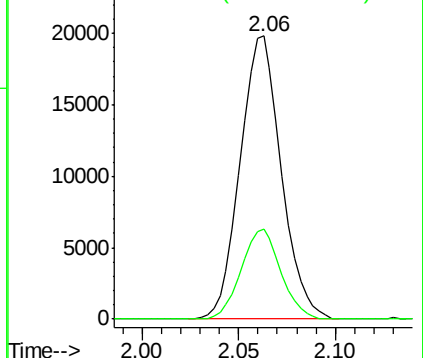
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 4.658 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN054999.D

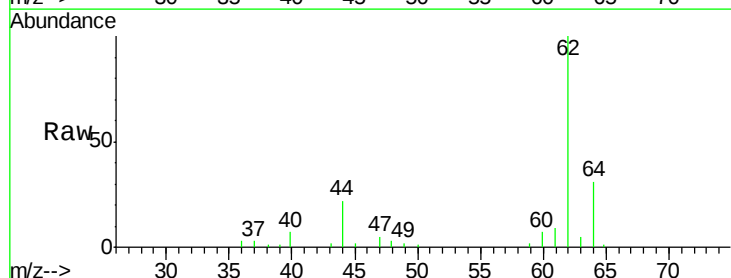
Acq: 12 Apr 2019 15:13

Tgt Ion: 62 Resp: 25399

Ion Ratio Lower Upper

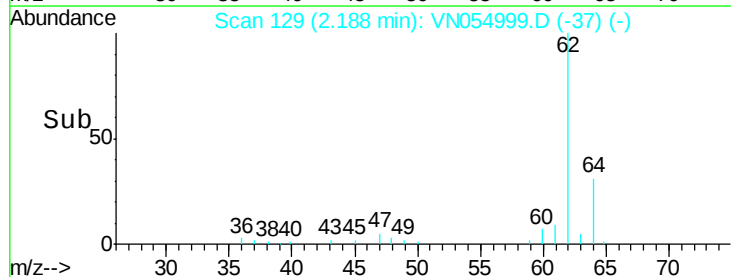
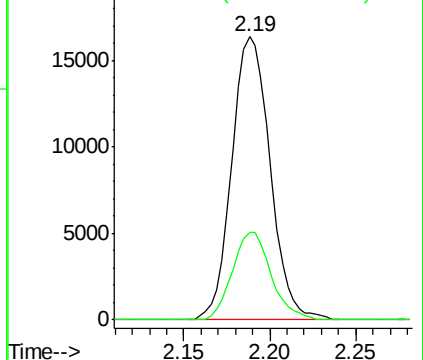
62 100

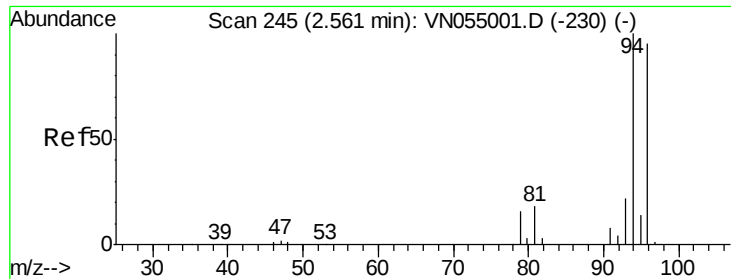
64 31.1 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 4.911 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 15320

Ion Ratio Lower Upper

94 100

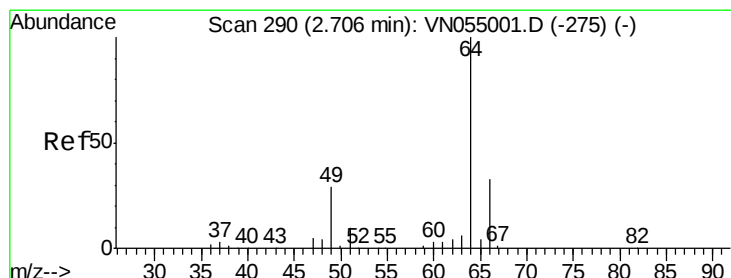
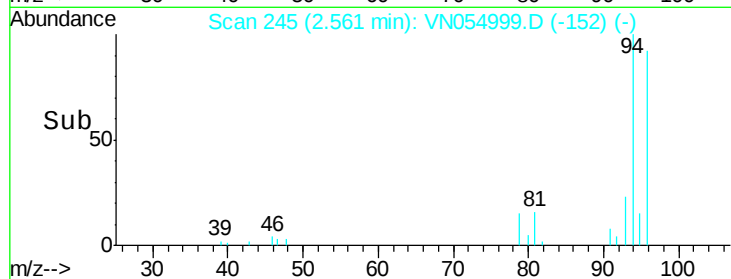
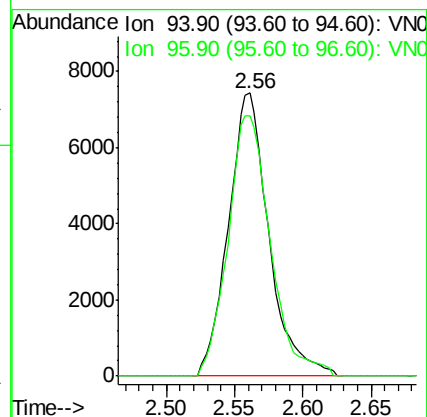
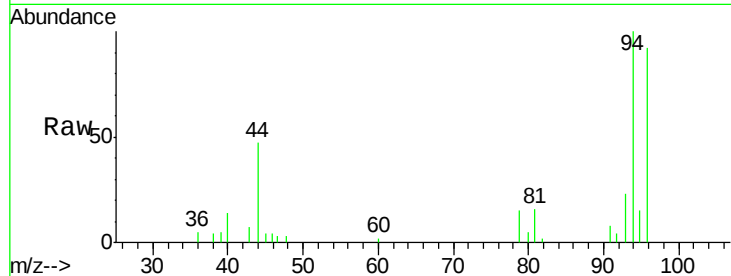
96 92.1 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 4.506 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN054999.D

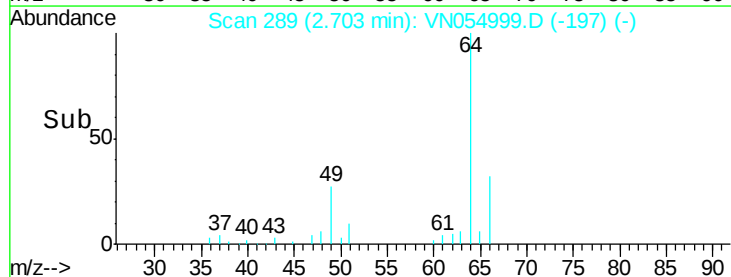
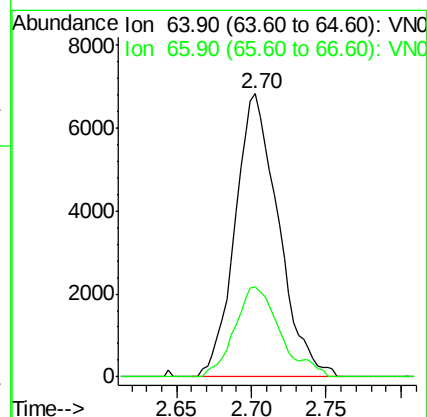
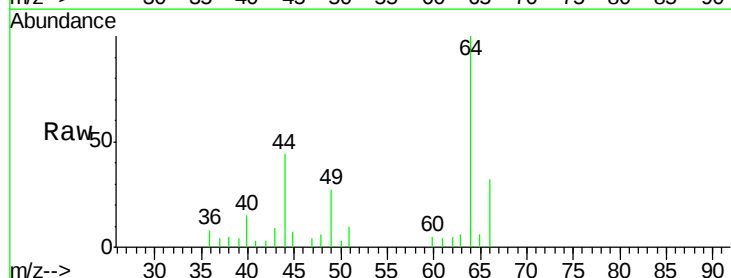
Acq: 12 Apr 2019 15:13

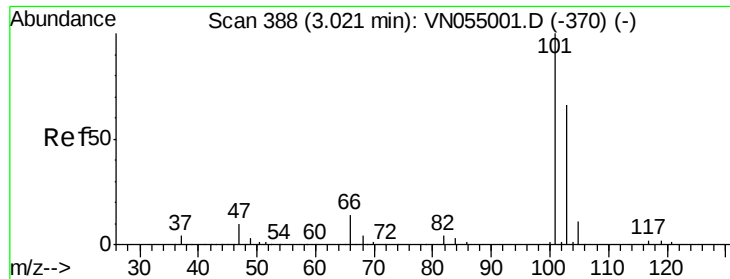
Tgt Ion: 64 Resp: 13751

Ion Ratio Lower Upper

64 100

66 31.6 26.6 40.0





#7

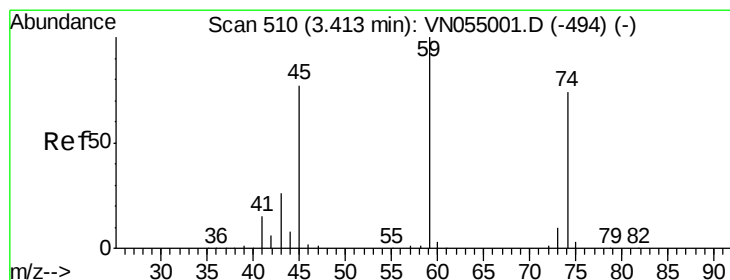
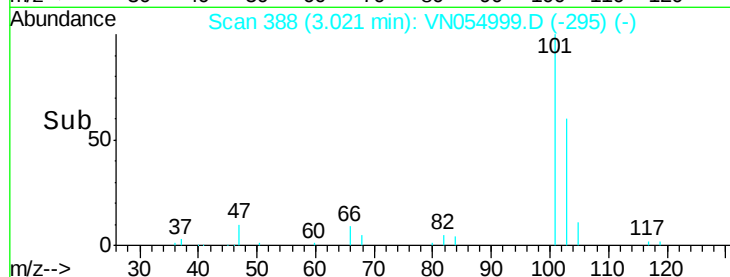
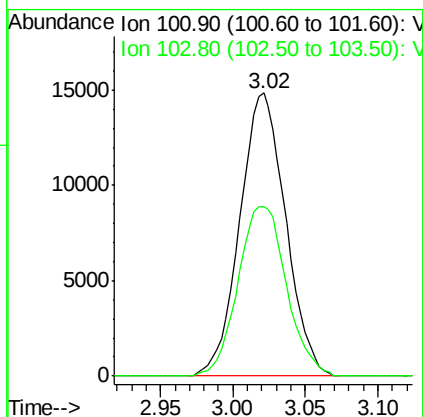
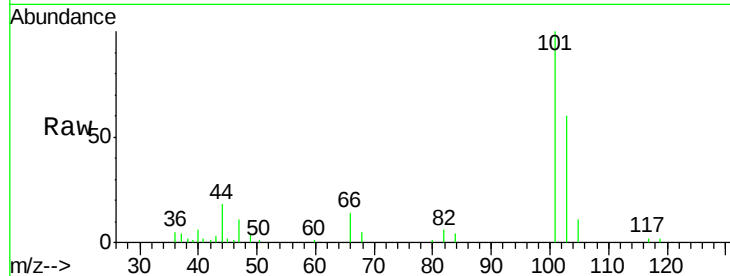
Trichlorofluoromethane
 Concen: 4.898 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.0	52.5	78.7

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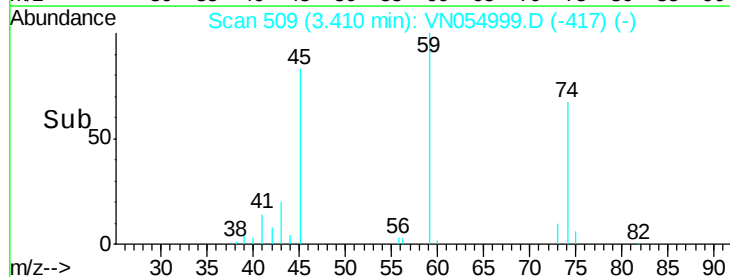
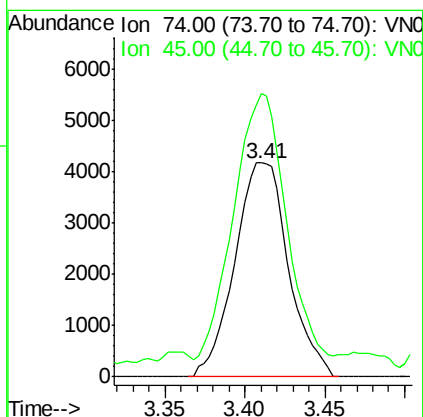
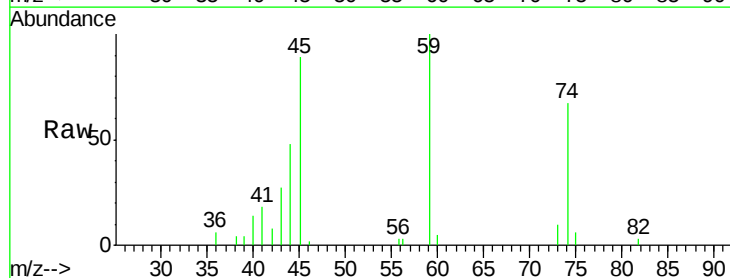
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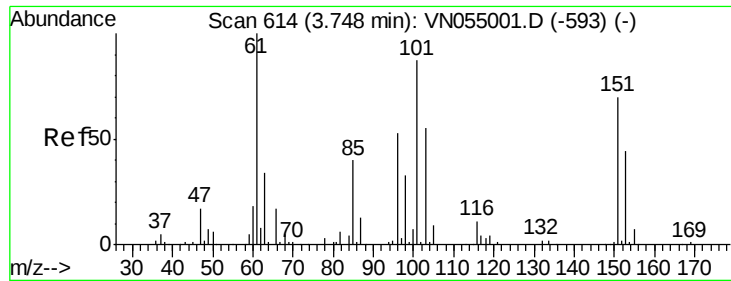


#8

Diethyl Ether
 Concen: 4.508 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	120.0	55.7	167.1





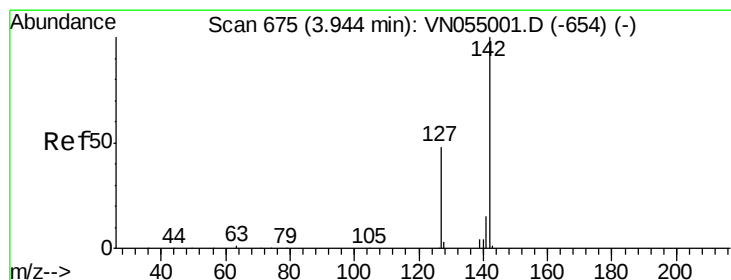
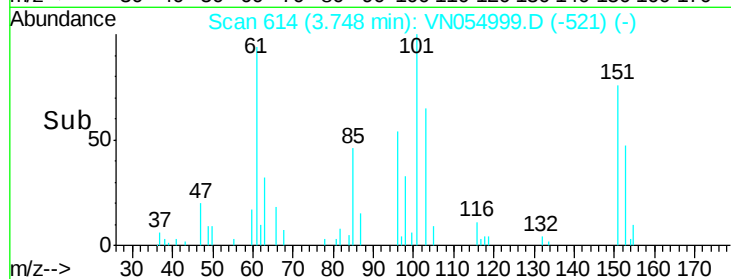
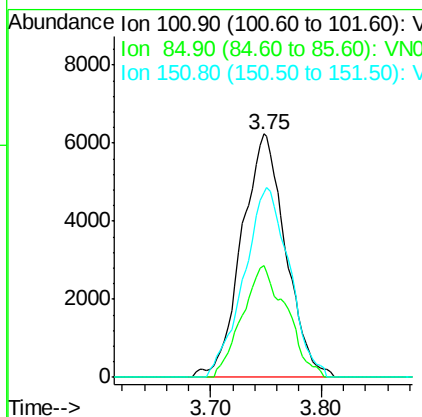
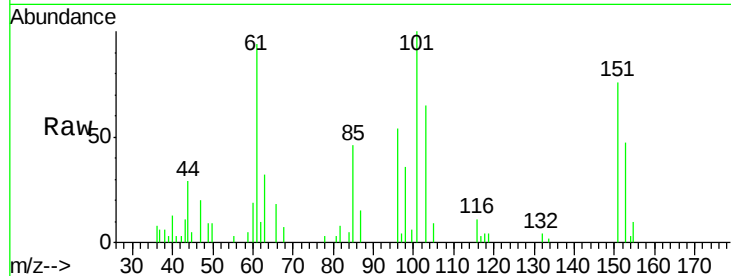
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 4.890 ug/l
 RT: 3.75 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
85	46.4	36.9	55.3
151	80.4	64.4	96.6

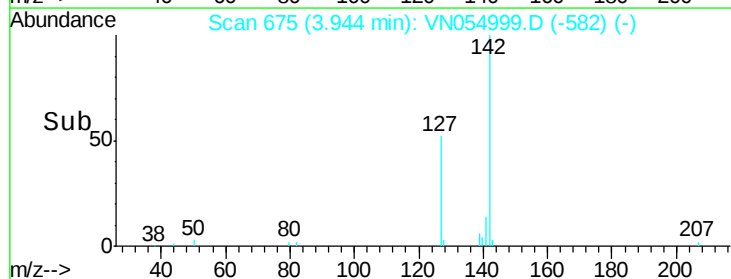
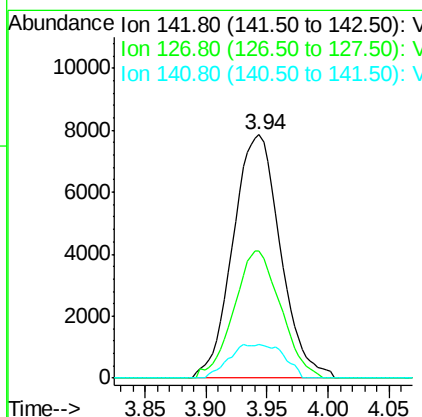
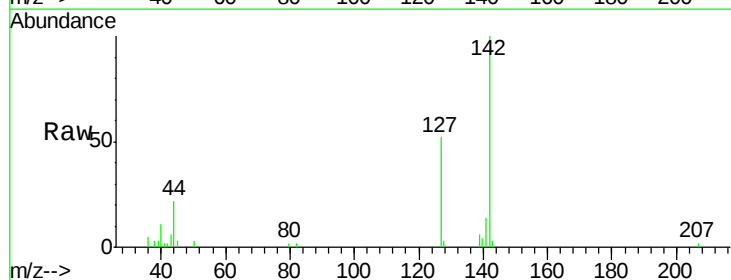
Manual Integrations
 APPROVED

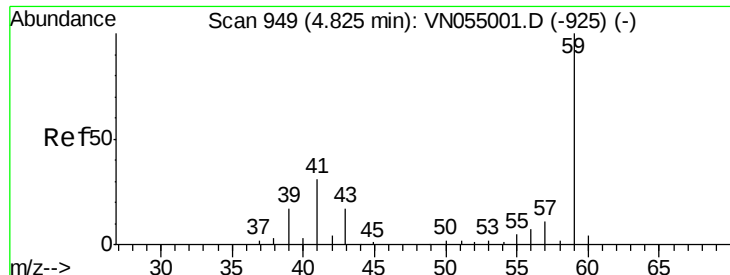
MMDadoda
 4/16/2019 1:57:59 PM



#10
 Methyl Iodide
 Concen: 4.265 ug/l
 RT: 3.94 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
142	100		
127	51.6	37.9	56.9
141	7.1	11.8	17.8#





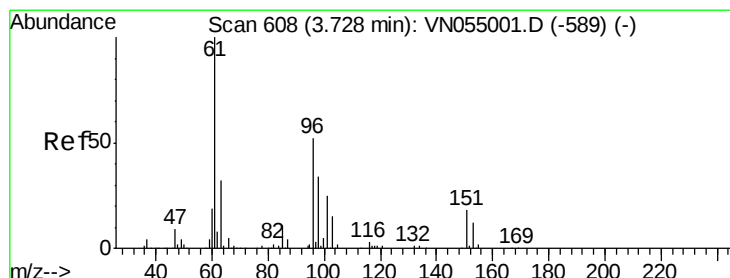
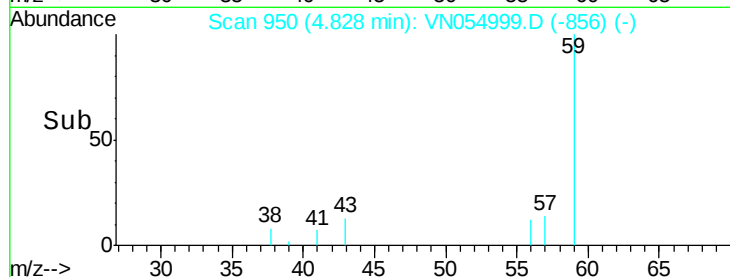
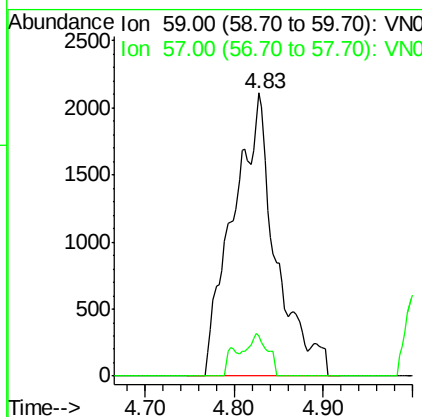
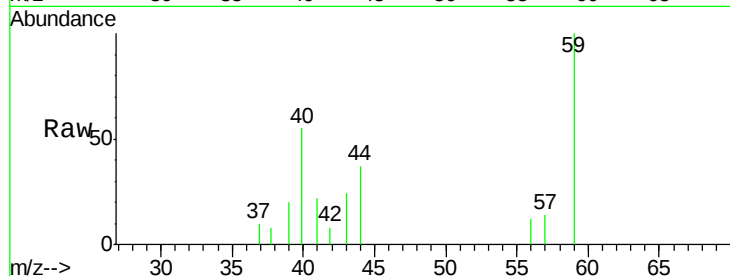
#11
Tert butyl alcohol
Concen: 24.972 ug/l m
RT: 4.83 min Scan# 950
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 59 Resp: 7078
Ion Ratio Lower Upper
59 100
57 6.4 8.3 12.5#

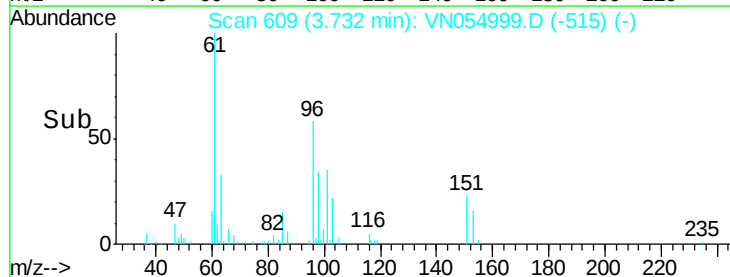
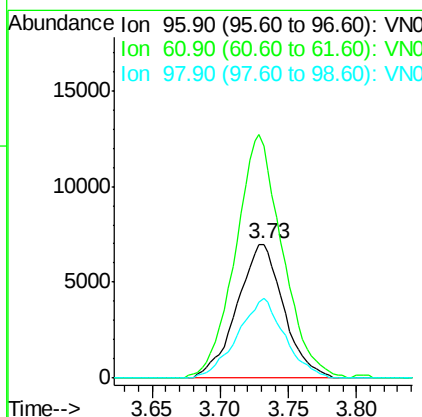
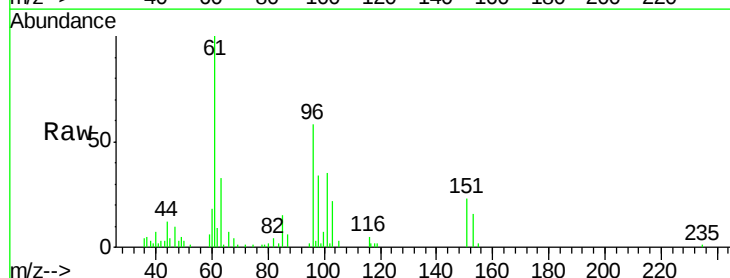
Manual Integrations
APPROVED

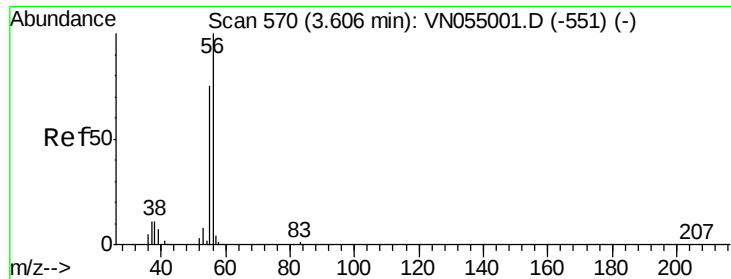
MMDadoda
4/16/2019 1:57:59 PM



#12
1,1-Dichloroethene
Concen: 4.756 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion: 96 Resp: 16567
Ion Ratio Lower Upper
96 100
61 171.2 154.2 231.4
98 59.5 52.9 79.3





#13

Acrolein

Concen: 26.364 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 9761

Ion Ratio Lower Upper

56 100

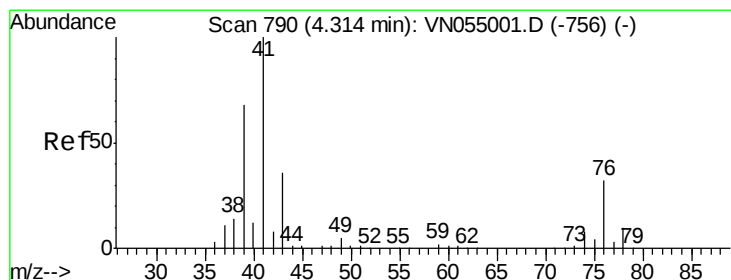
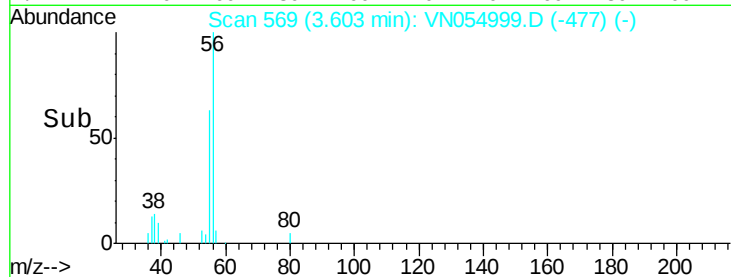
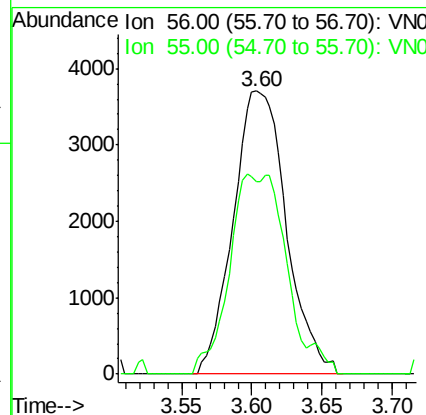
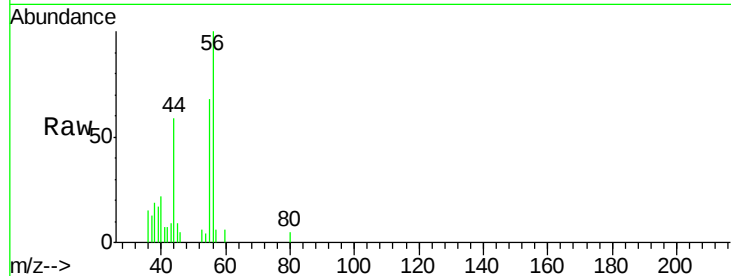
55 37.3 59.5 89.3#

Manual Integrations

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#14

Allyl chloride

Concen: 4.580 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

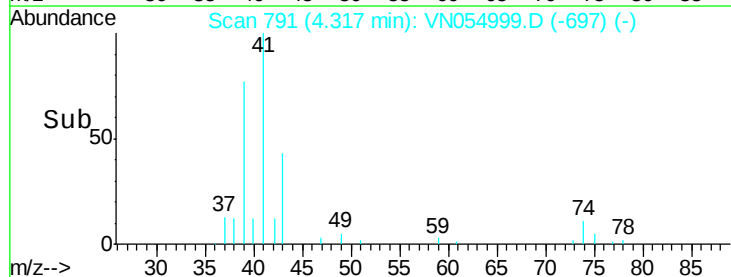
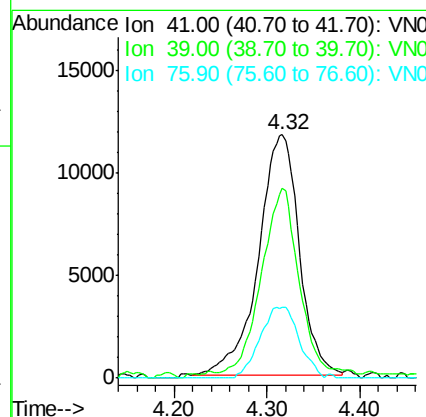
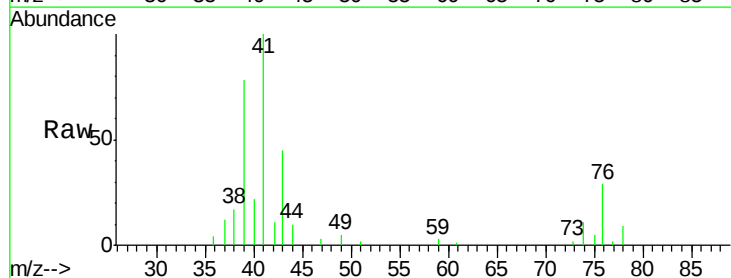
Tgt Ion: 41 Resp: 35836

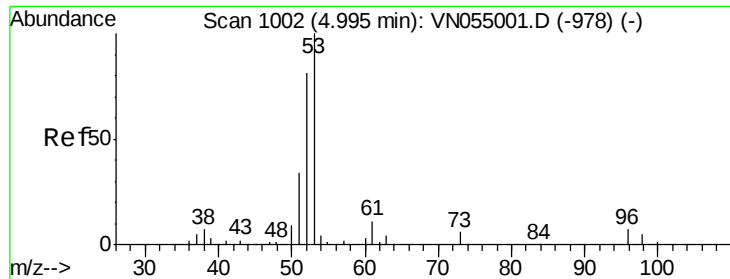
Ion Ratio Lower Upper

41 100

39 70.9 52.7 79.1

76 28.1 23.2 34.8





#15

Acrylonitrile

Concen: 24.215 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

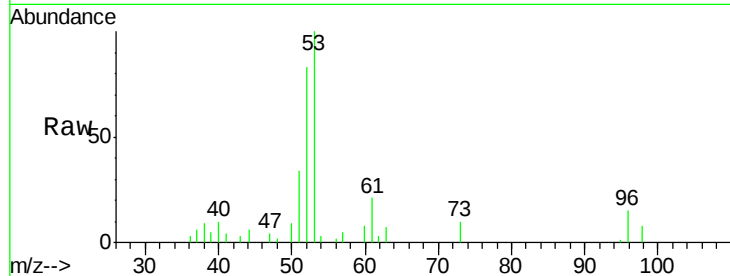
ClientSampleId :

VSTDIC005

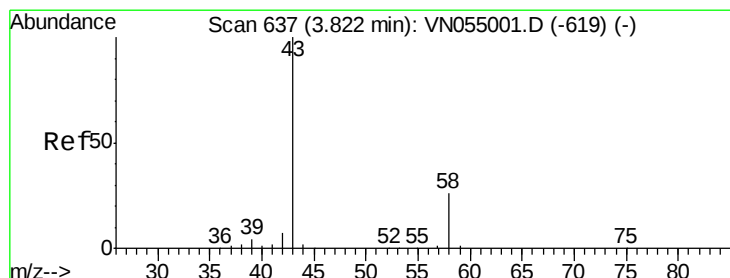
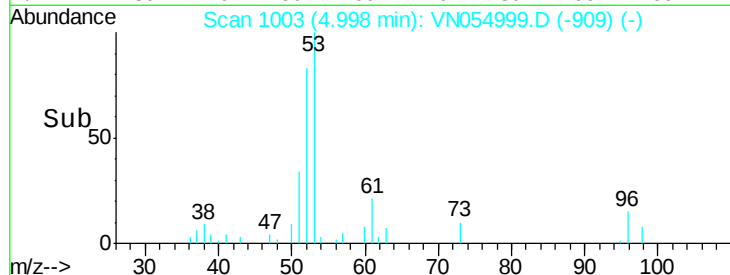
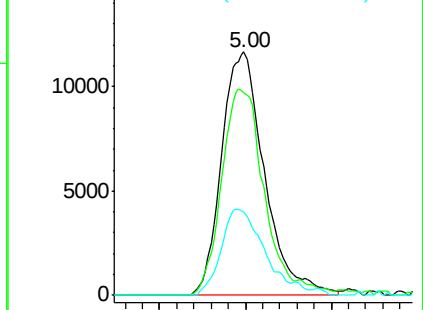
Tot Ion:	53	Resp:	40457
Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.9	98.9
51	35.8	29.7	44.5

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VN055001.D (-978) (-)



#16

Acetone

Concen: 23.373 ug/l

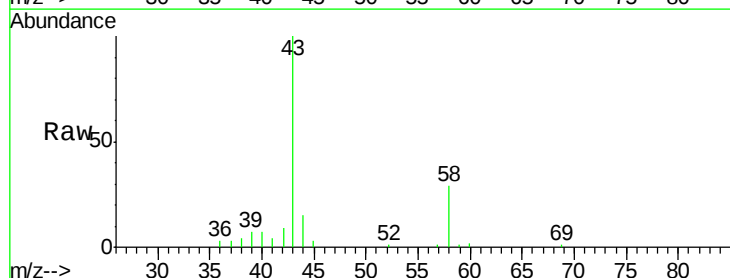
RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

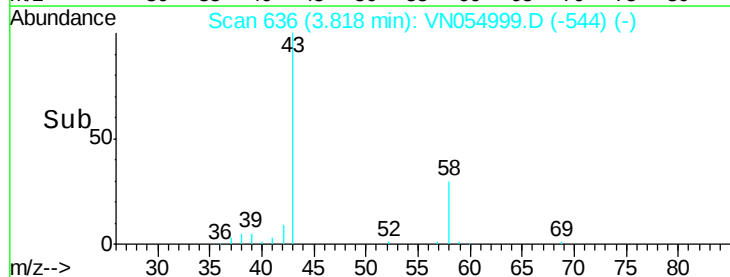
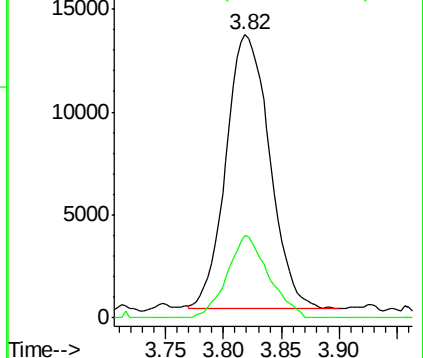
Lab File: VN054999.D

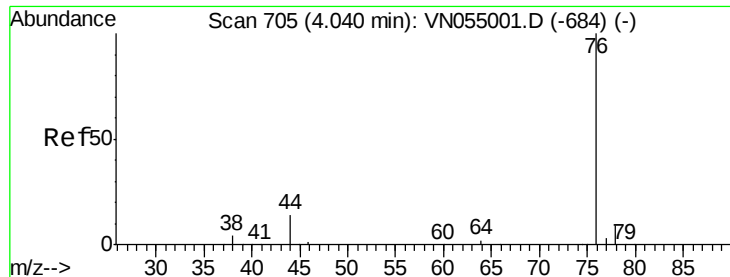
Acq: 12 Apr 2019 15:13

Tgt Ion:	43	Resp:	35000
Ion	Ratio	Lower	Upper
43	100		
58	29.8	20.9	31.3



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-619) (-)





#17

Carbon Disulfide

Concen: 4.290 ug/l

RT: 4.04 min Scan# 705

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Tot Ion: 76 Resp: 47582

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8

Instrument :

MSVOA_N

ClientSampleId :

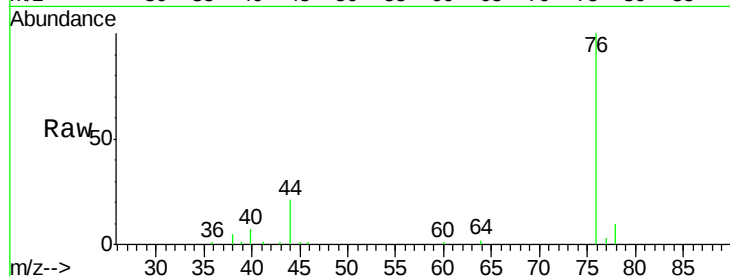
VSTDIC005

Manual Integrations

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4/16/2019 1:57:59 PM



Abundance Ion 75.90 (75.60 to 76.60): VN055001.D (-684) (-)

Ion 77.90 (77.60 to 78.60): VN055001.D (-684) (-)

20000

15000

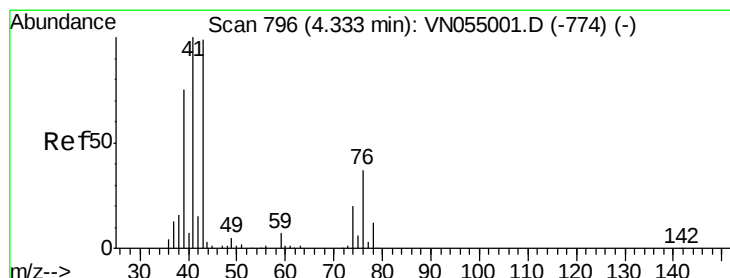
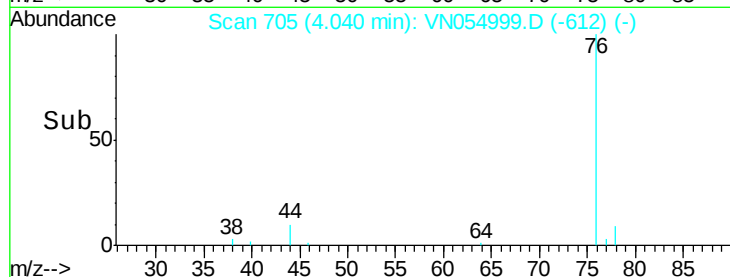
10000

5000

0

Time-->

3.95 4.00 4.05 4.10 4.15



#18

Methyl Acetate

Concen: 5.385 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN054999.D

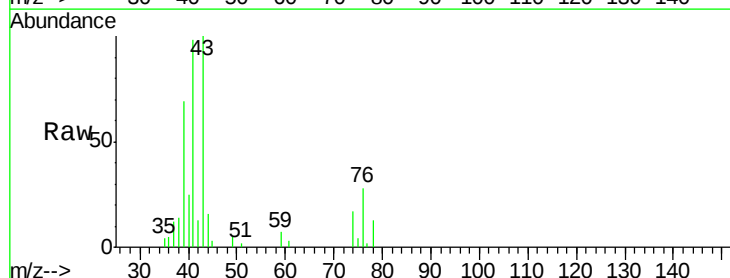
Acq: 12 Apr 2019 15:13

Tgt Ion: 43 Resp: 21826

Ion Ratio Lower Upper

43 100

74 12.4 16.1 24.1#



Abundance Ion 43.00 (42.70 to 43.70): VN055001.D (-774) (-)

Ion 74.00 (73.70 to 74.70): VN055001.D (-774) (-)

8000

6000

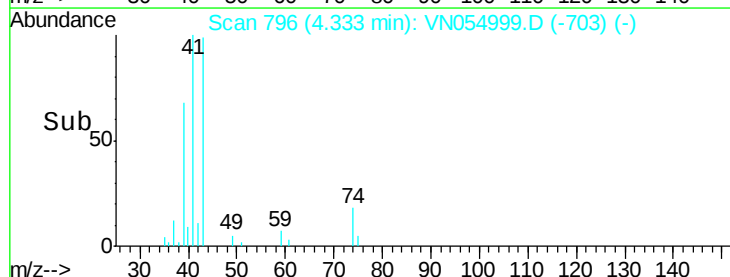
4000

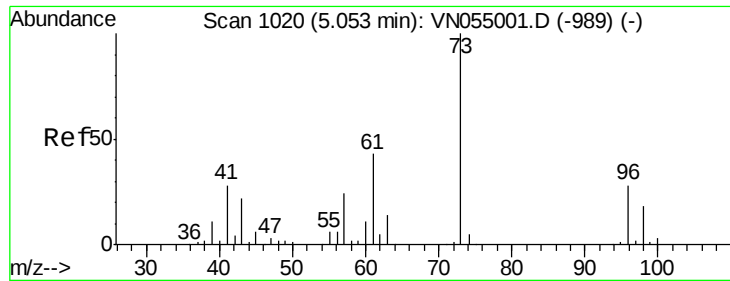
2000

0

Time-->

4.20 4.30 4.40





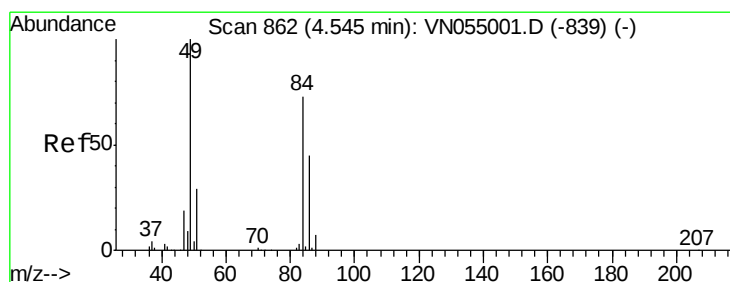
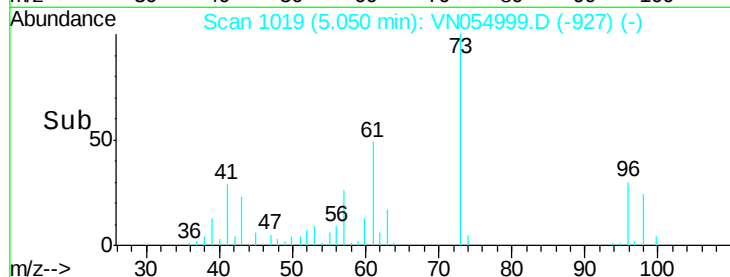
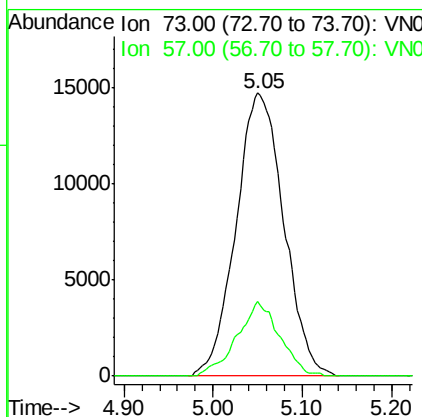
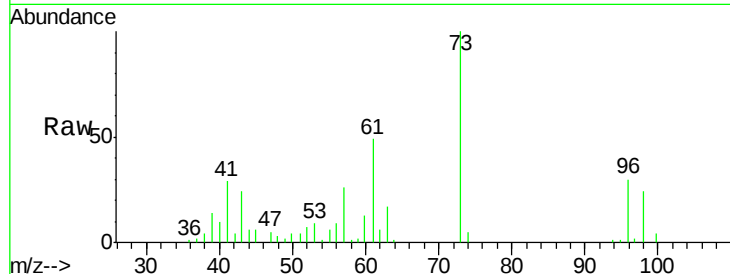
#19
Methvl tert-butvl Ether
Concen: 4.759 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 54875
Ion Ratio Lower Upper
73 100
57 26.3 19.0 28.4

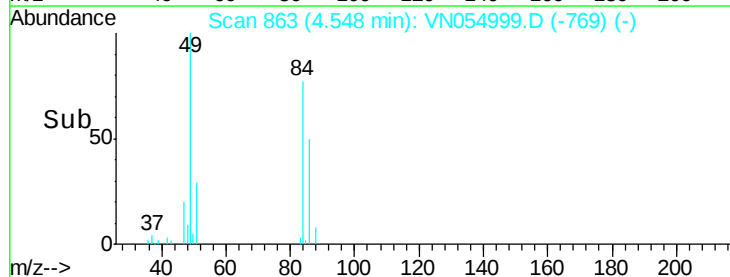
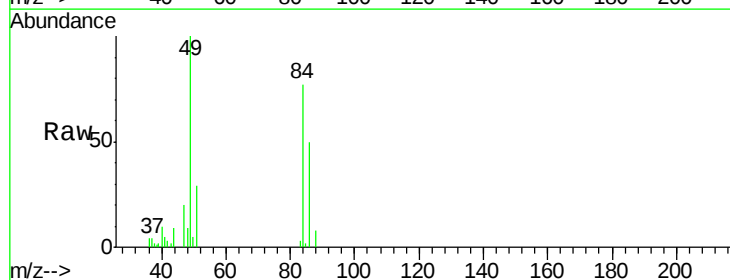
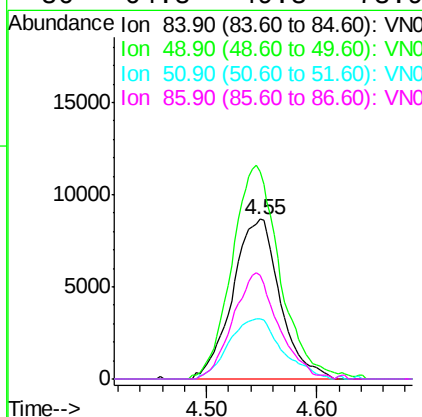
Manual Integrations
APPROVED

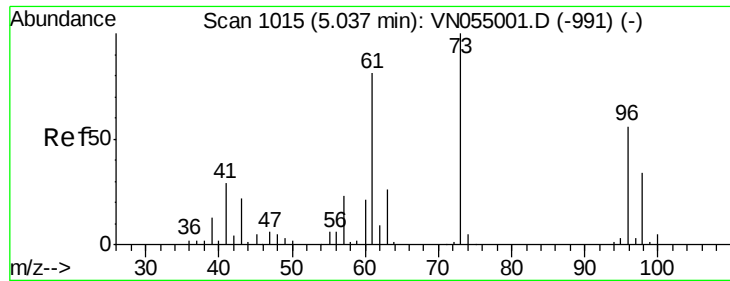
MMDadoda
4/16/2019 1:57:59 PM



#20
Methylene Chloride
Concen: 5.232 ug/l
RT: 4.55 min Scan# 863
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion: 84 Resp: 25840
Ion Ratio Lower Upper
84 100
49 130.5 109.4 164.2
51 37.9 32.2 48.4
86 64.8 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 4.567 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 96 Resp: 20085

Ion Ratio Lower Upper

96 100

61 165.2 114.9 172.3

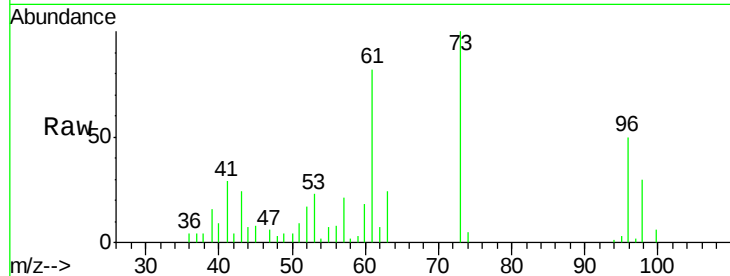
98 60.8 48.4 72.6

Manual Integrations

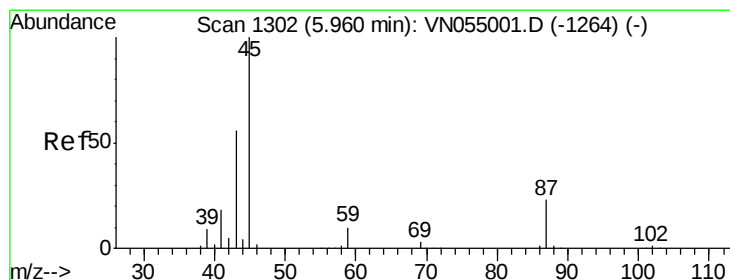
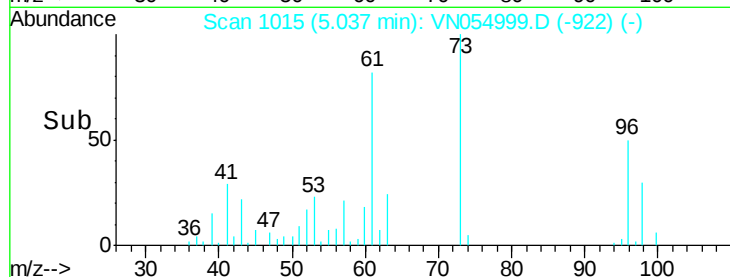
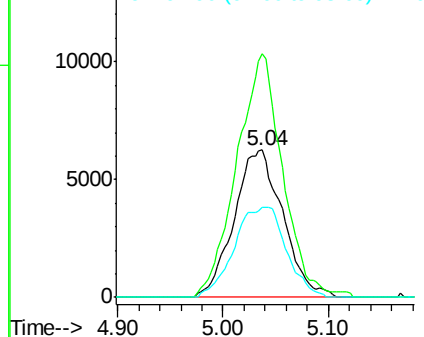
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 4.523 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Tgt Ion: 45 Resp: 72949

Ion Ratio Lower Upper

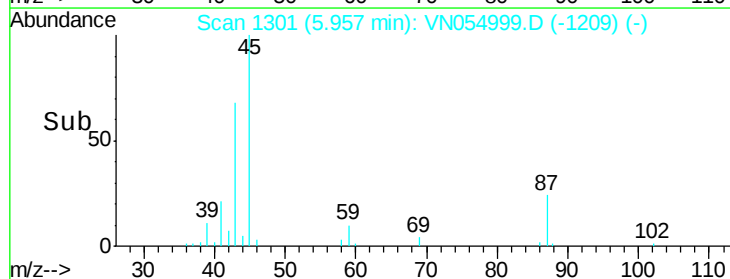
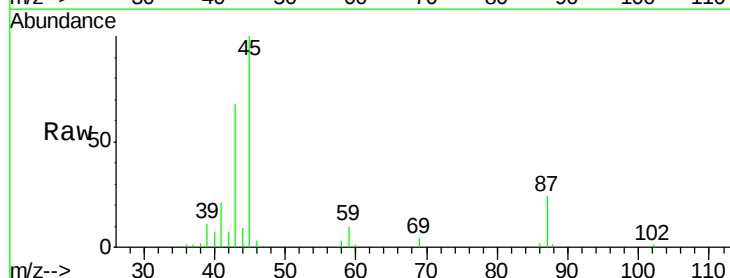
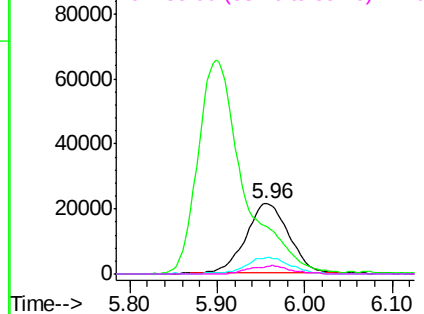
45 100

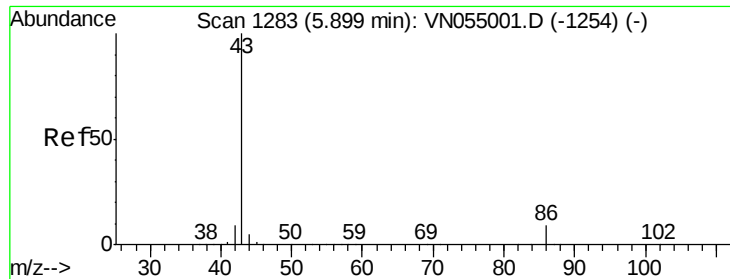
43 65.9 44.8 67.2

87 23.8 18.9 28.3

59 10.2 7.9 11.9

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 21.275 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 239063

Ion Ratio Lower Upper

43 100

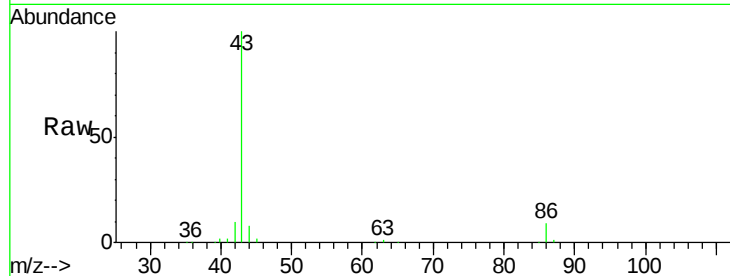
86 9.0 7.0 10.4

Manual Integrations

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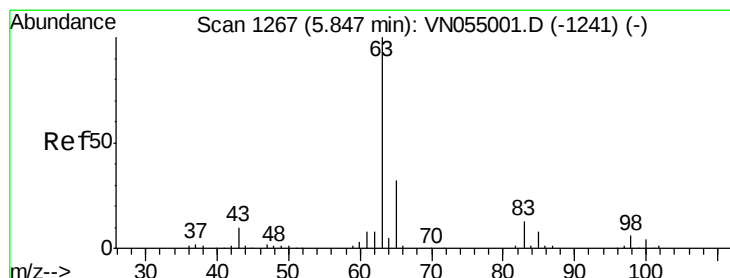
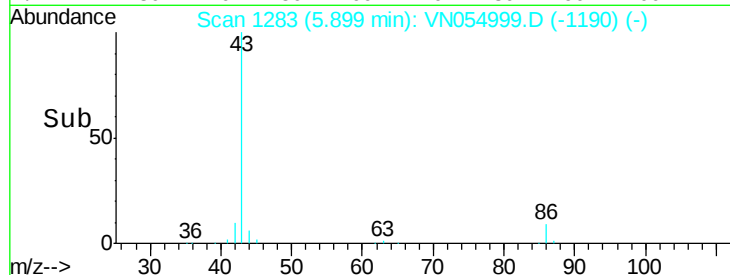
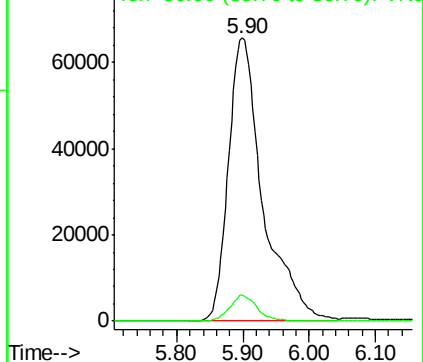
MMDadoda

4/16/2019 1:57:59 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 4.791 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

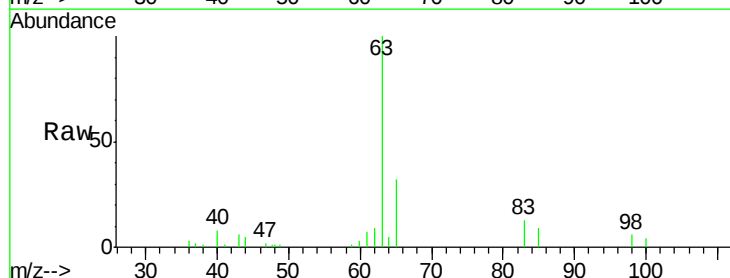
Tgt Ion: 63 Resp: 42004

Ion Ratio Lower Upper

63 100

98 6.2 2.8 8.4

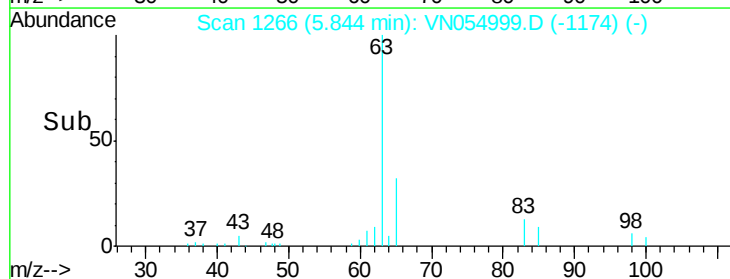
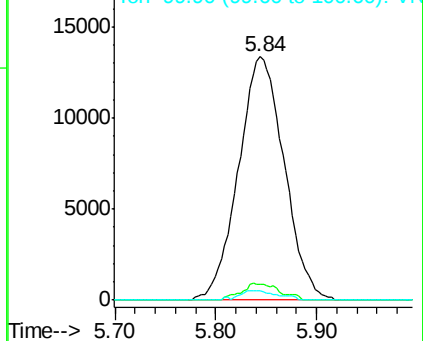
100 3.7 2.0 5.8

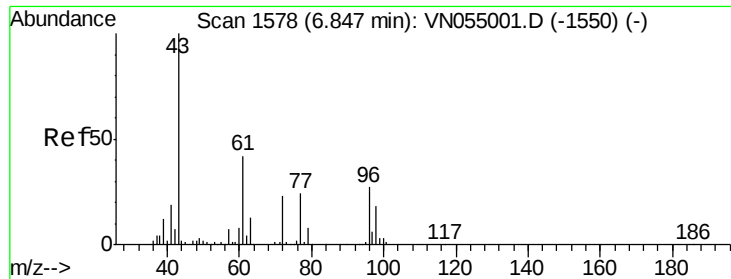


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 23.953 ug/l

RT: 6.85 min Scan# 1579

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 48382

Ion Ratio Lower Upper

43 100

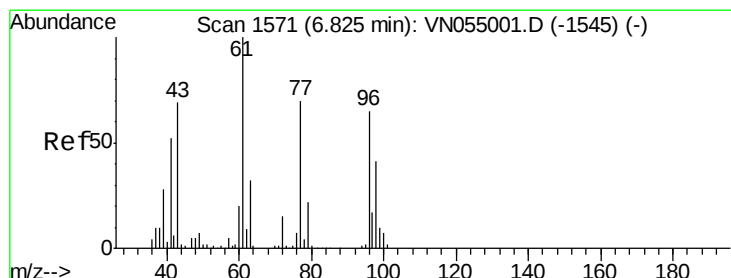
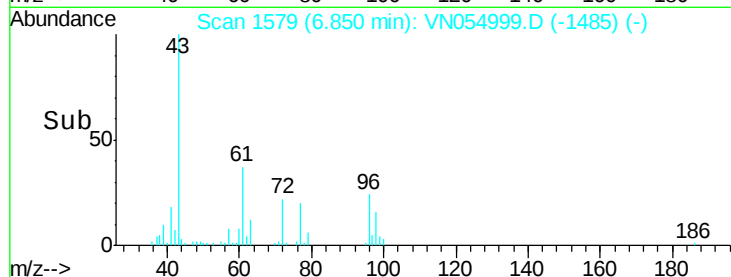
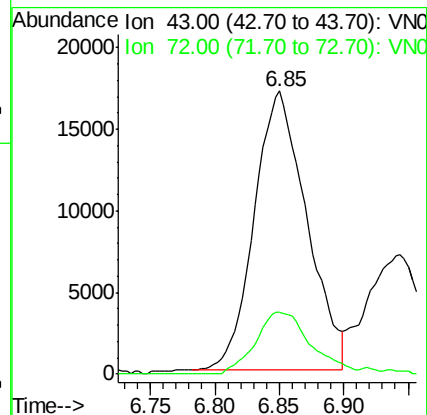
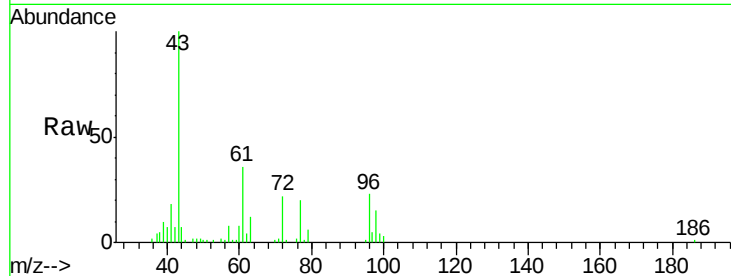
72 22.0 18.1 27.1

Manual Integrations

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4/16/2019 1:57:59 PM



#26

2,2-Dichloropropane

Concen: 4.355 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. -0.01 min

Lab File: VN054999.D

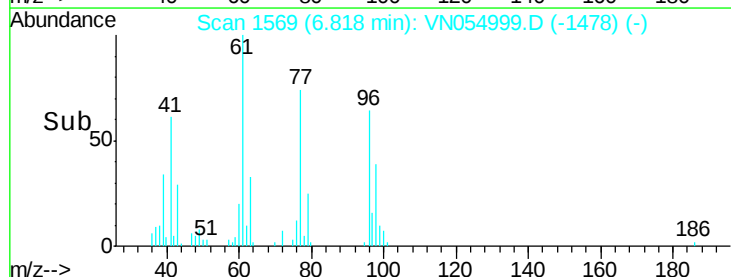
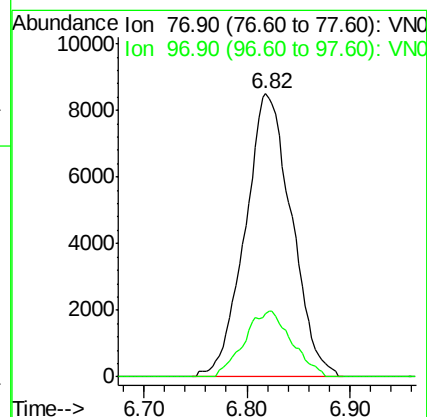
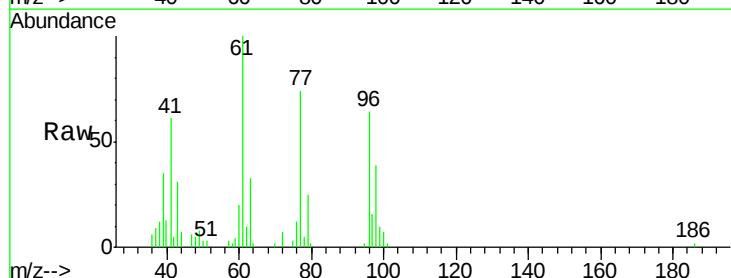
Acq: 12 Apr 2019 15:13

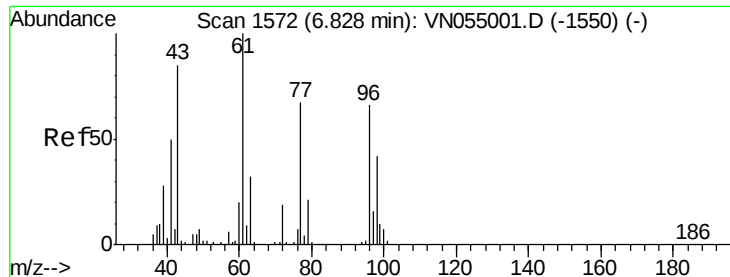
Tgt Ion: 77 Resp: 26596

Ion Ratio Lower Upper

77 100

97 23.6 11.3 33.9





#27

cis-1,2-Dichloroethene

Concen: 4.790 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

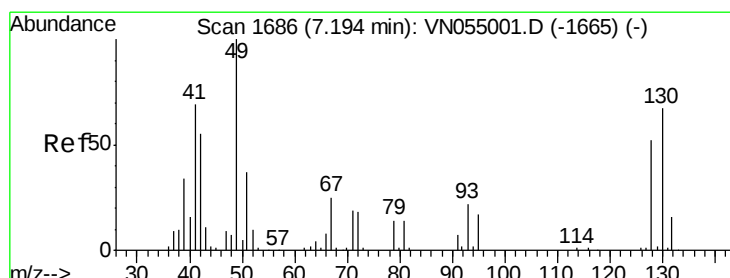
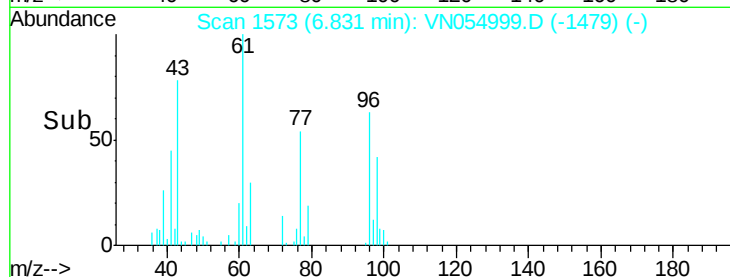
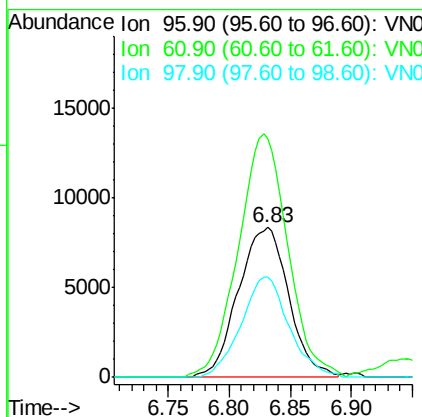
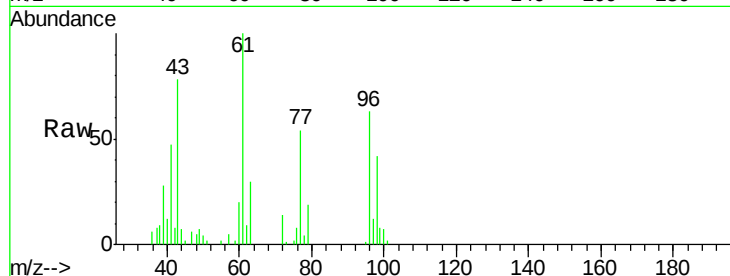
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	23994
Ion	Ratio	Lower	Upper
96	100		
61	158.6	0.0	311.0
98	63.7	0.0	127.4

Manual Integrations
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#28

Bromochloromethane

Concen: 5.231 ug/l

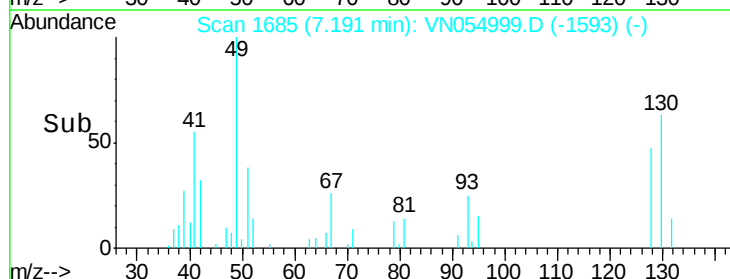
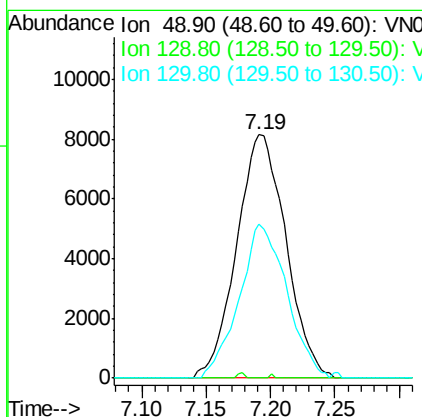
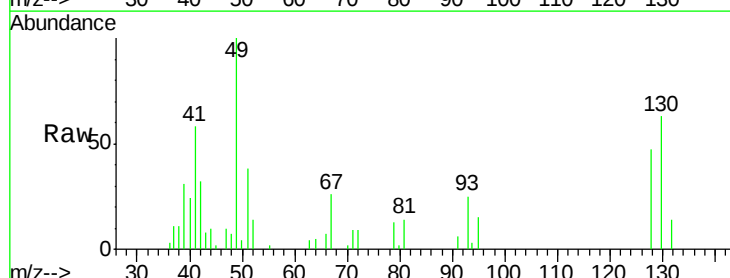
RT: 7.19 min Scan# 1685

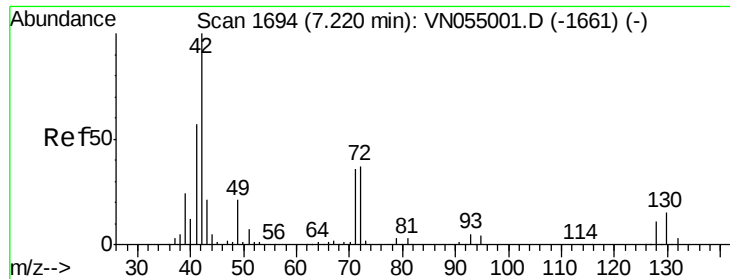
Delta R.T. -0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Tgt Ion:	49	Resp:	21658
Ion	Ratio	Lower	Upper
49	100		
129	0.1	0.0	2.0
130	61.0	53.4	80.2





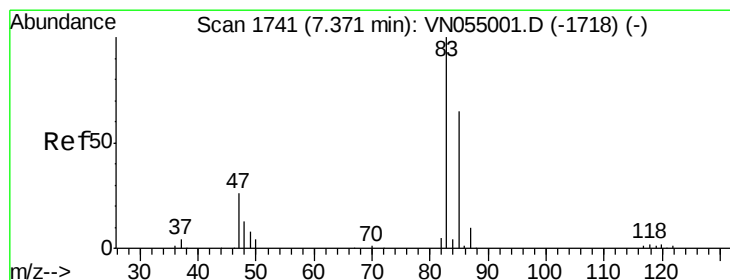
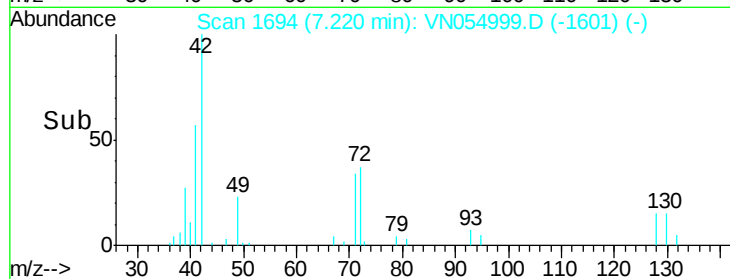
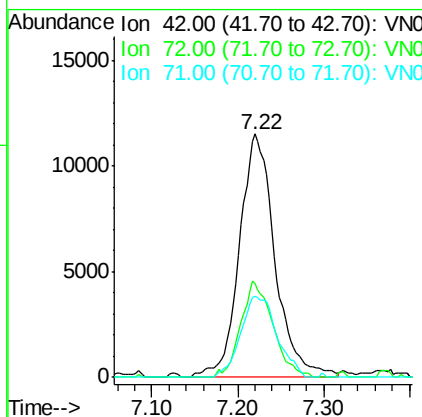
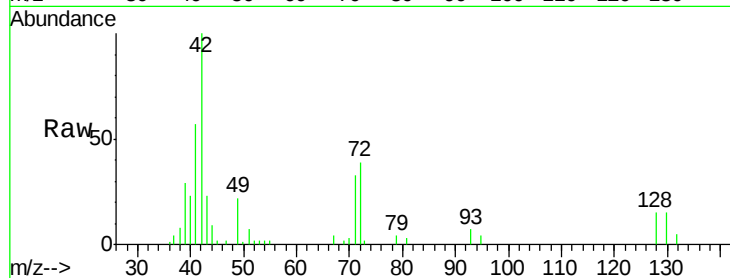
#29
Tetrahydrofuran
Concen: 24.857 ug/l
RT: 7.22 min Scan# 1694
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.6	29.4	44.0
71	33.8	27.8	41.6

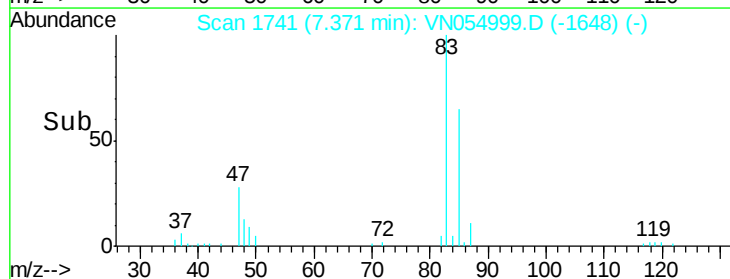
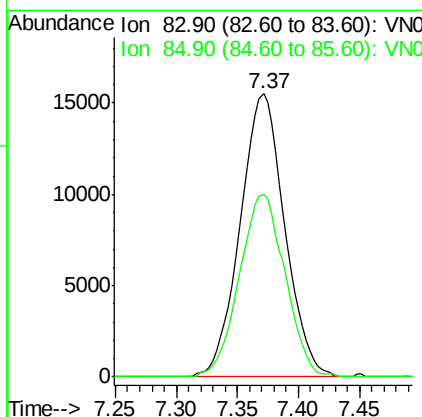
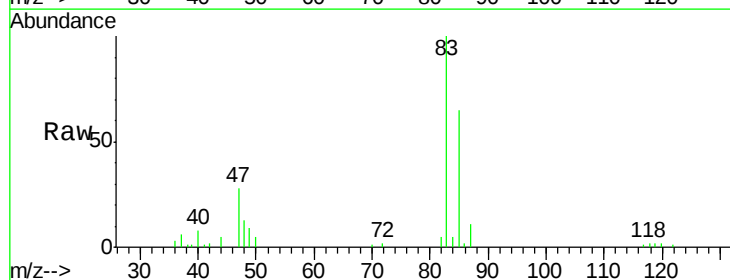
Manual Integrations
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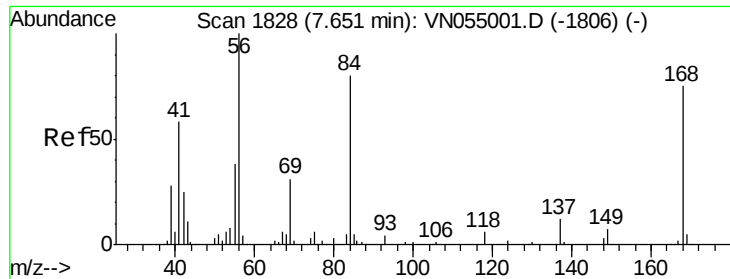
MMDadoda
4/16/2019 1:57:59 PM



#30
Chloroform
Concen: 4.700 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.6





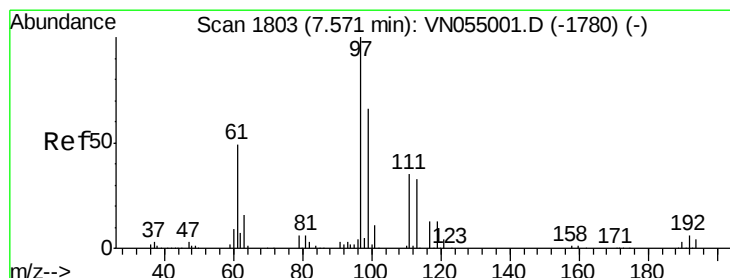
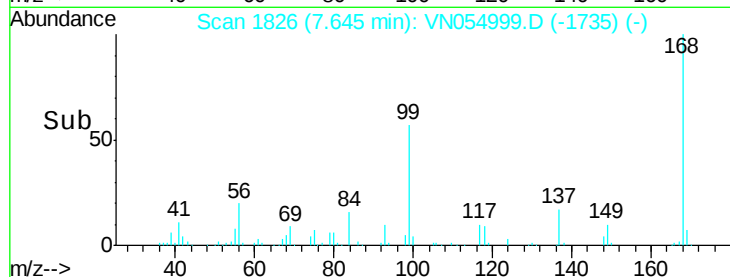
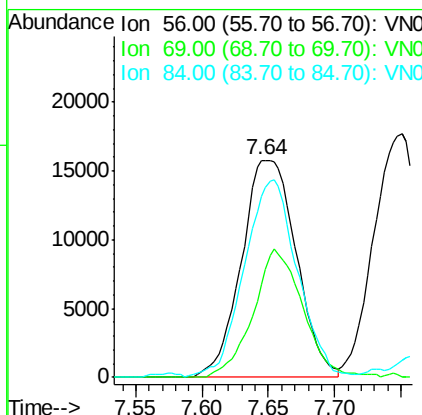
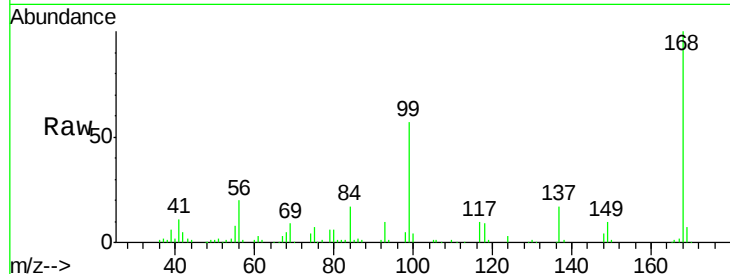
#31
Cyclohexane
Concen: 4.552 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.01 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.6	24.5	36.7#
84	82.2	62.9	94.3

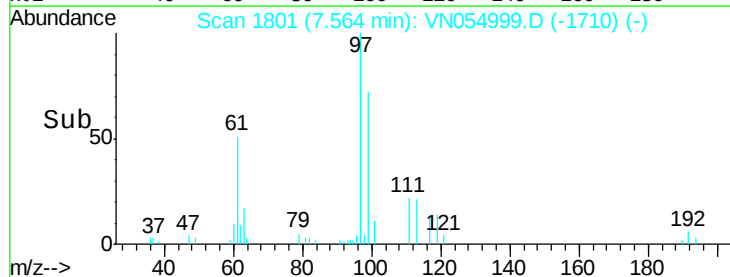
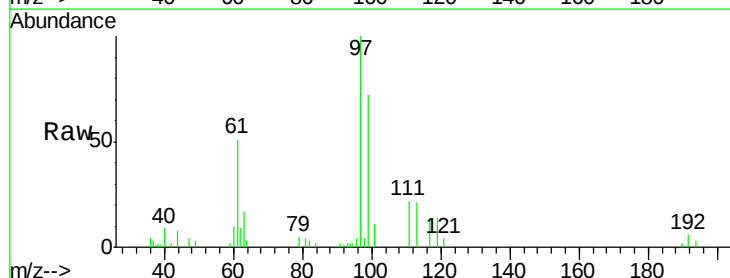
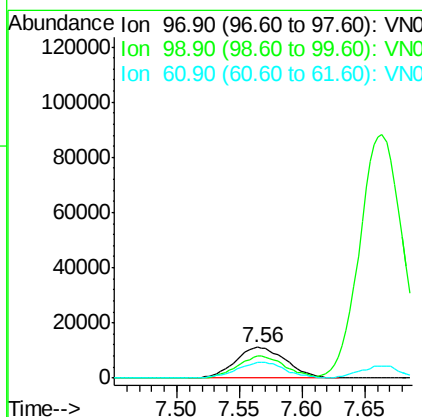
Manual Integrations
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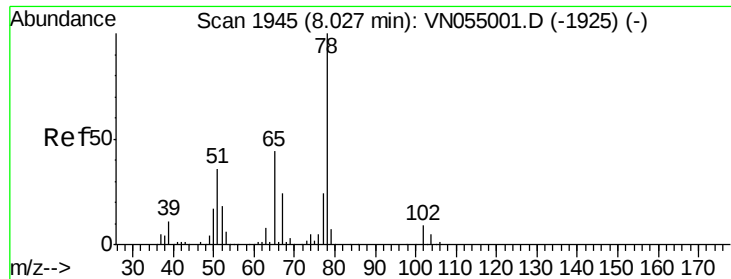
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#32
1,1,1-Trichloroethane
Concen: 4.458 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.01 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.5	51.6	77.4
61	49.0	38.3	57.5





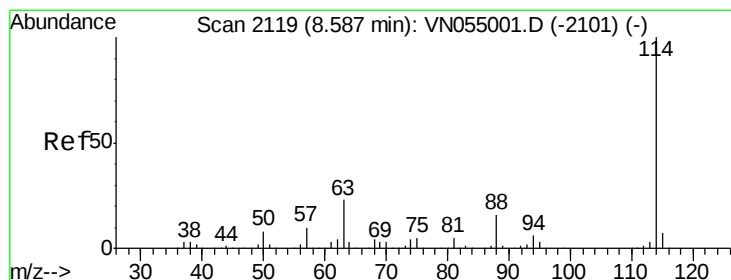
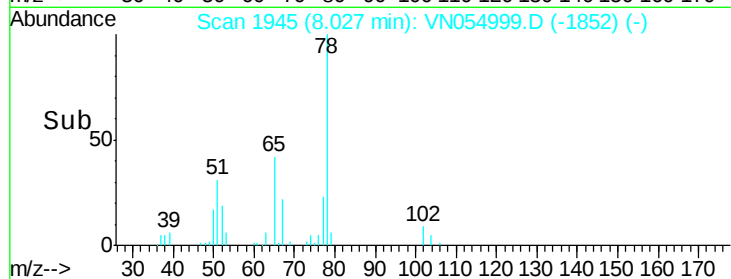
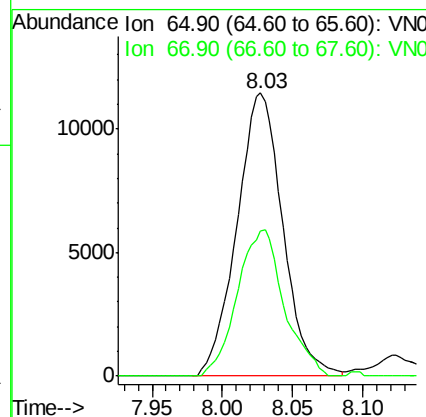
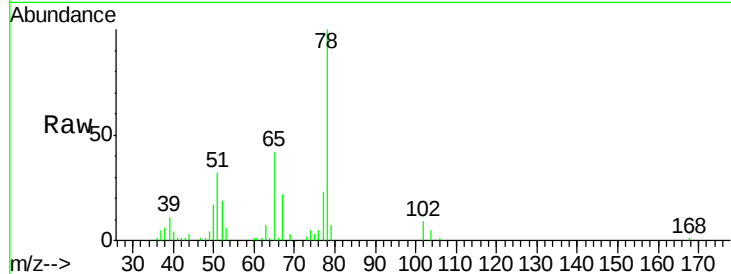
#33
 1,2-Dichloroethane-d4
 Concen: 4.909 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	26119		
67	52.4	0.0	106.4	

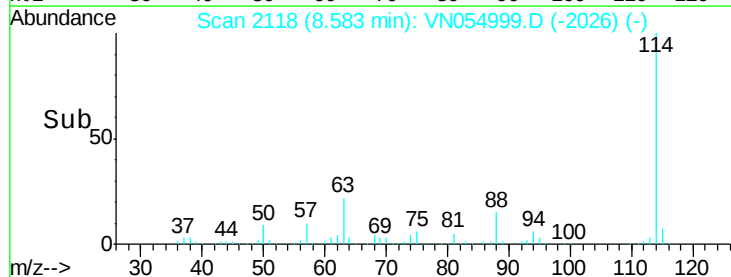
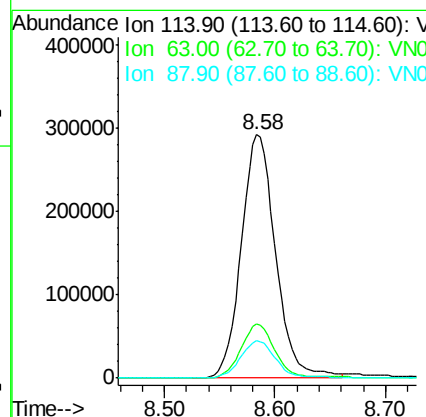
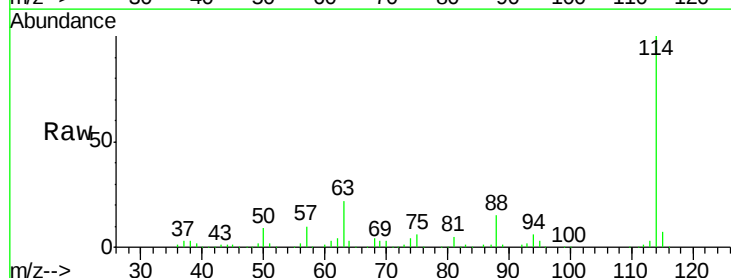
Manual Integrations
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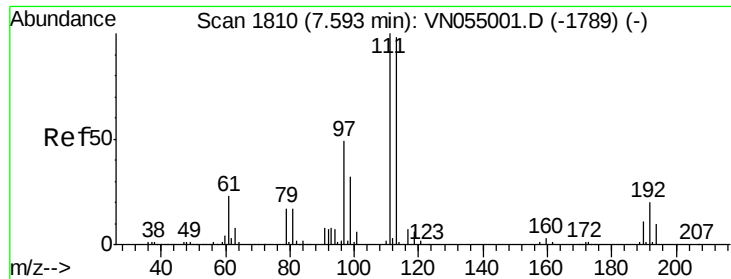
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 4/16/2019 1:57:59 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	631134		
63	22.5	0.0	45.2	
88	15.3	0.0	31.8	





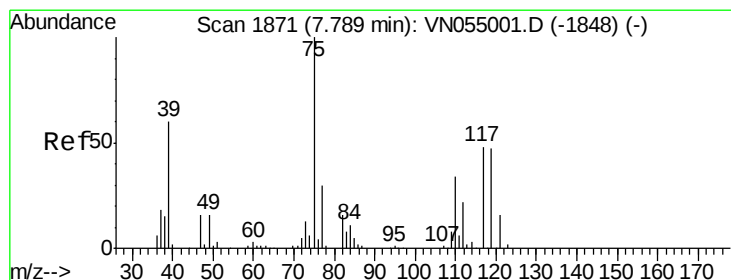
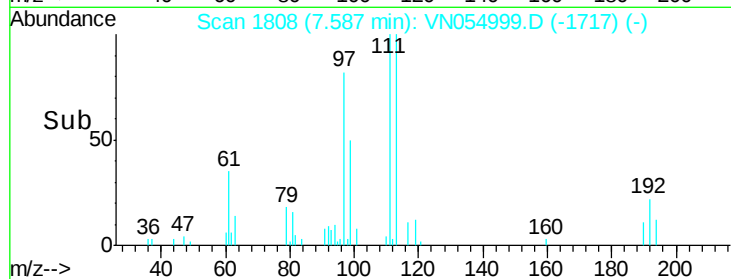
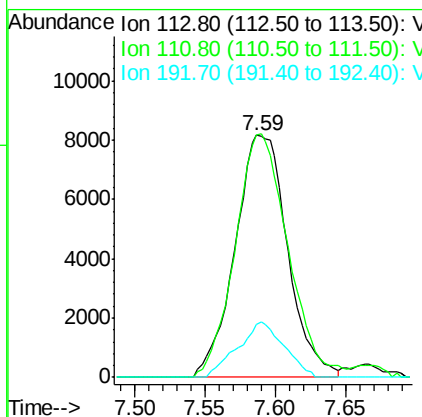
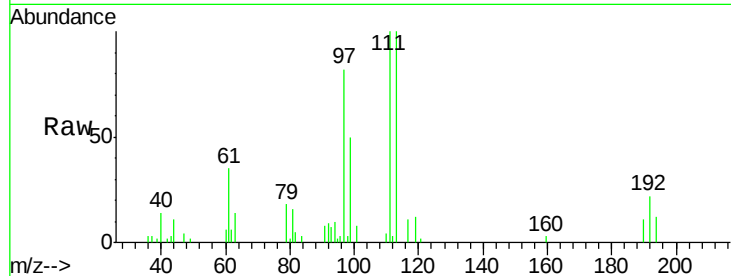
#35
Dibromofluoromethane
Concen: 5.171 ug/l
RT: 7.59 min Scan# 1808
Delta R.T. -0.01 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.1	123.1
192	20.1	16.5	24.7

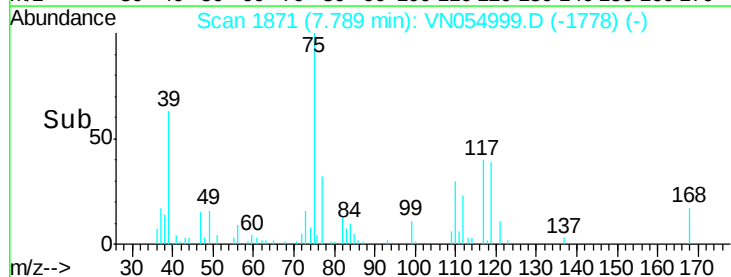
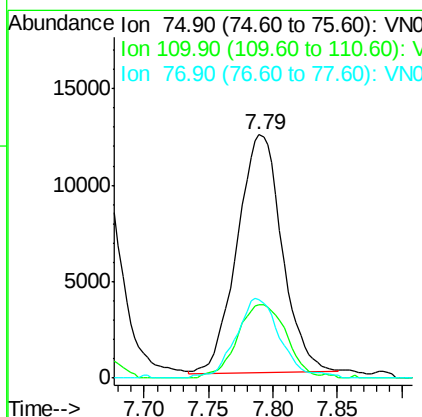
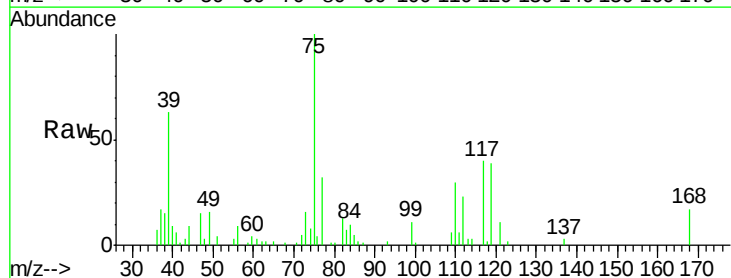
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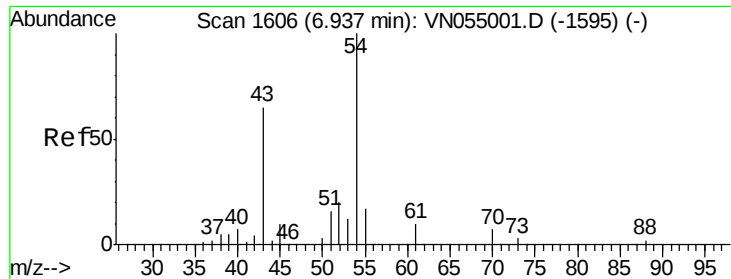
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#36
1,1-Dichloropropene
Concen: 4.862 ug/l
RT: 7.79 min Scan# 1871
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	17.5	52.5
77	33.1	24.9	37.3





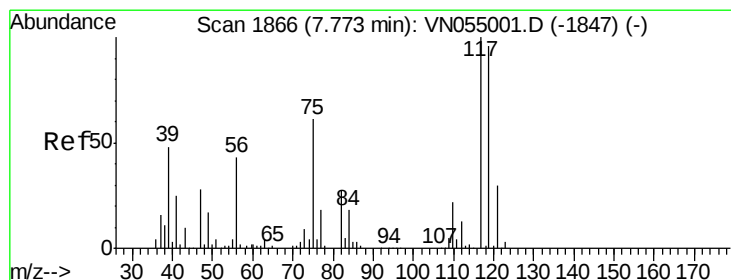
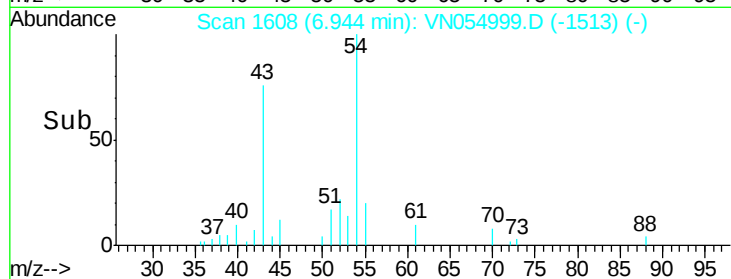
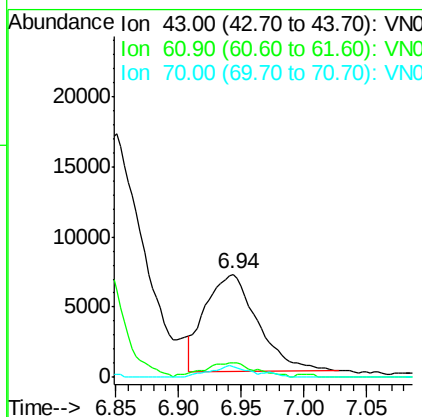
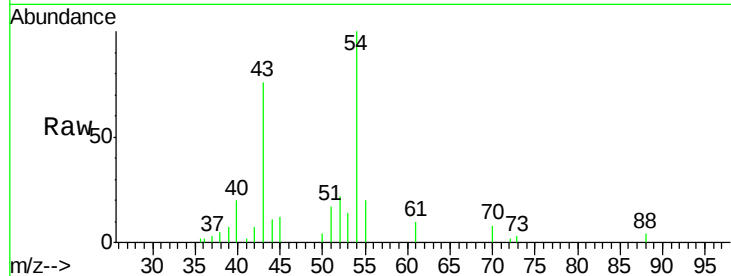
#37
Ethyl Acetate
Concen: 4.740 ug/l
RT: 6.94 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.0	15.0
70	8.0	7.1	10.7

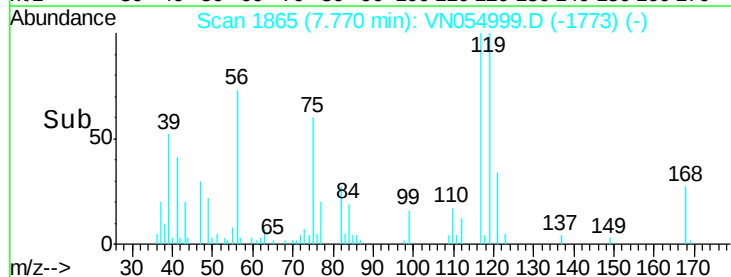
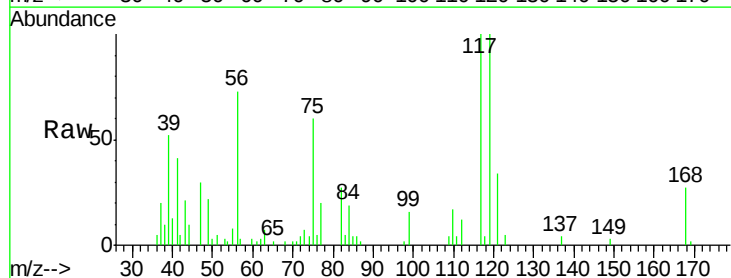
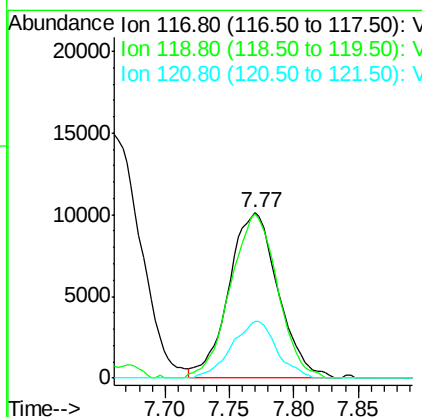
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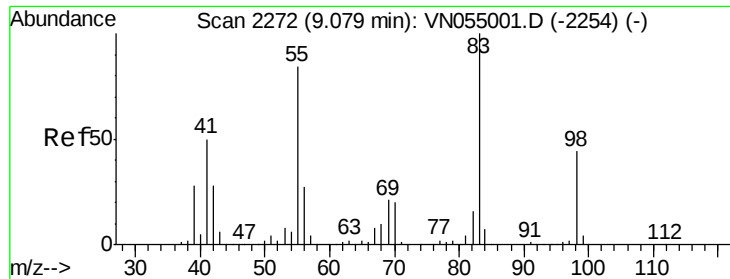
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#38
Carbon Tetrachloride
Concen: 4.540 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.5	76.3	114.5
121	34.1	23.9	35.9





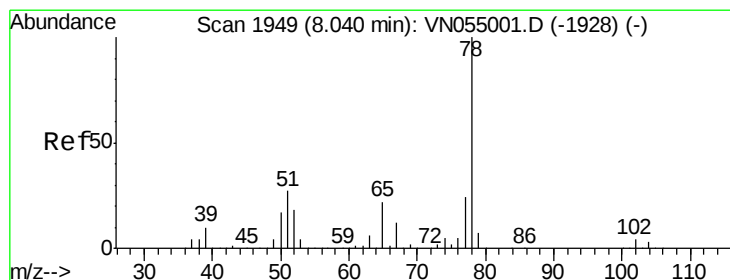
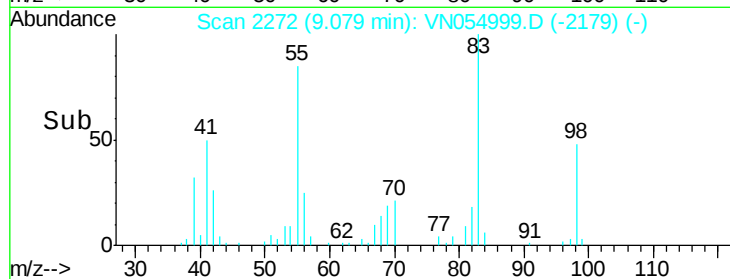
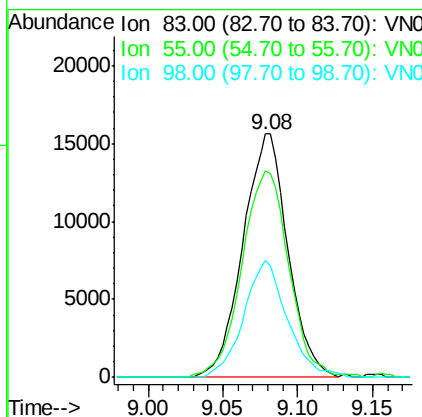
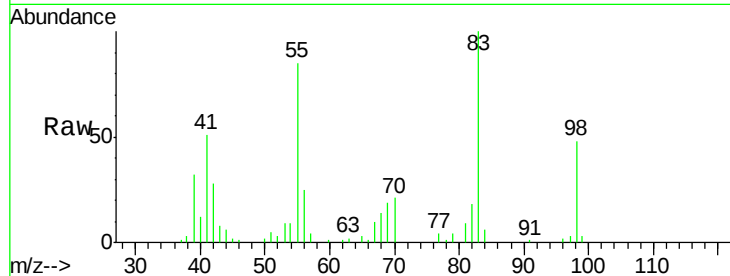
#39
Methvlcvclohexane
Concen: 4.803 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.7	67.0	100.4
98	48.0	35.6	53.4

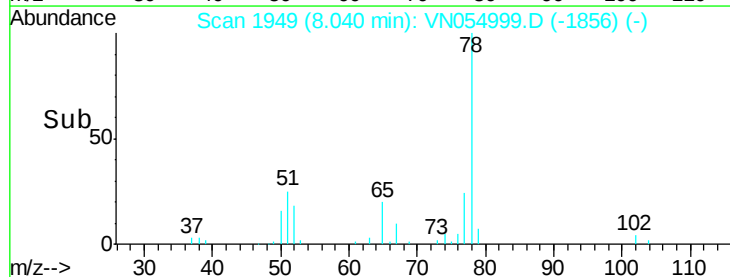
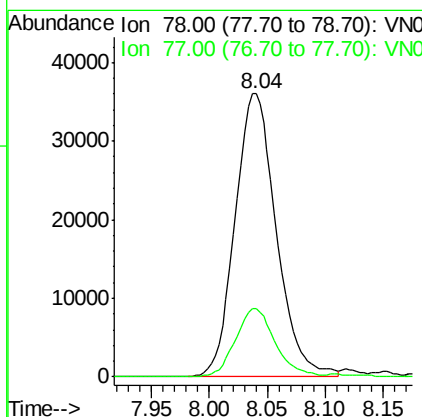
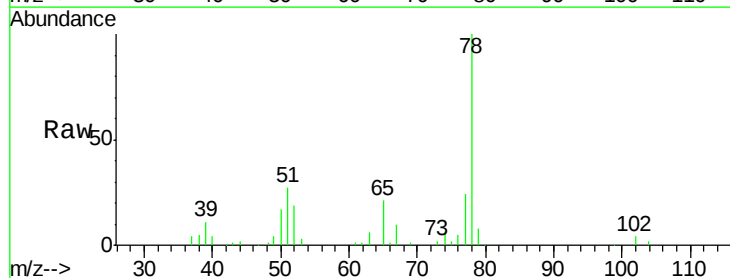
Manual Integrations
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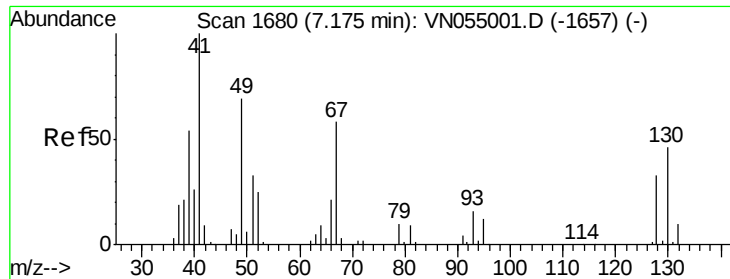
MMDadoda
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#40
Benzene
Concen: 5.007 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.8	28.2





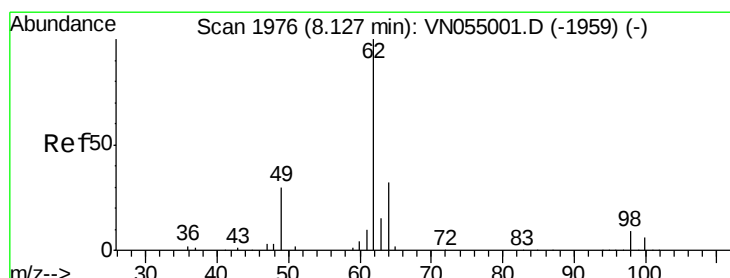
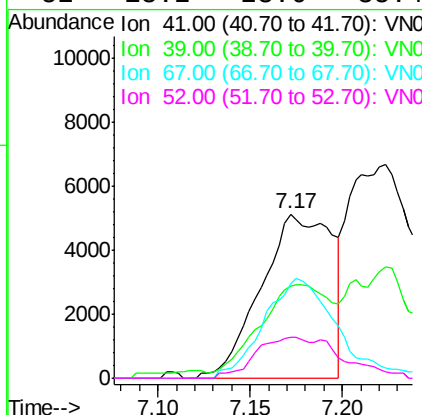
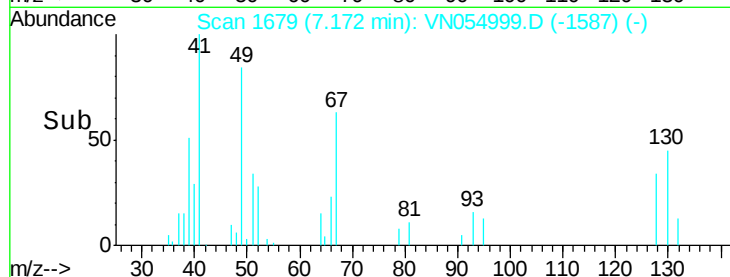
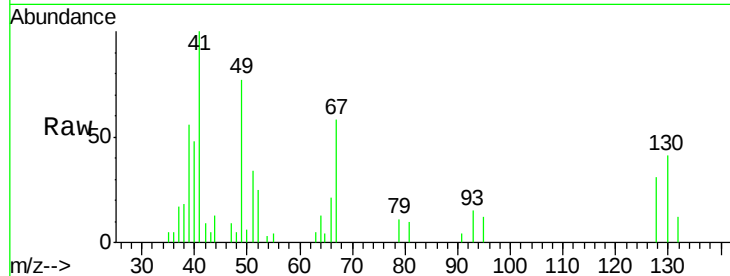
#41
Methacrylonitrile
Concen: 5.553 ug/l m
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.5	45.6	68.4	
67	62.6	57.0	85.6	
52	18.2	23.6	35.4	

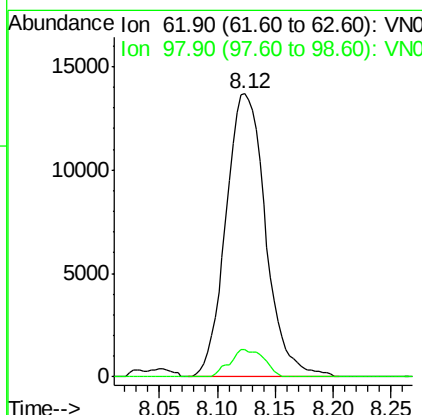
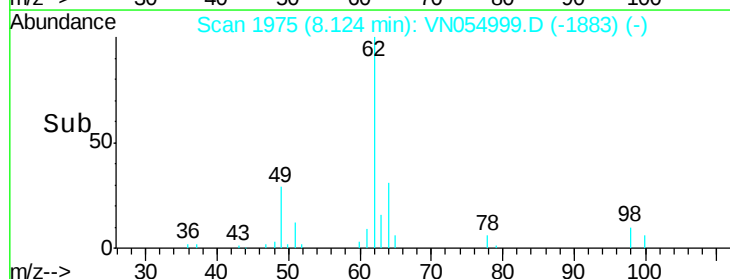
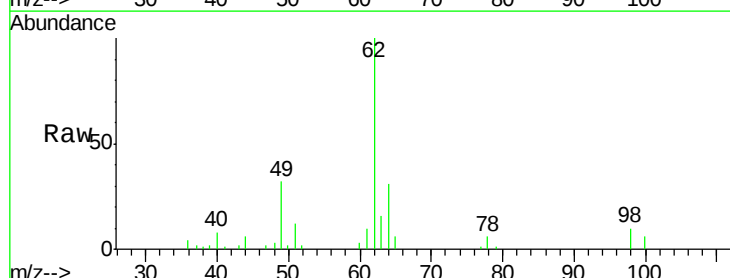
Manual Integrations
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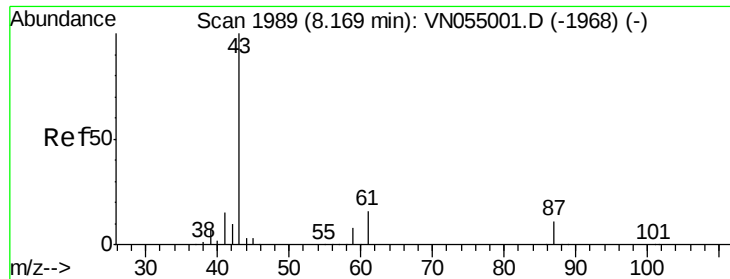
MMDadoda
4/16/2019 1:57:59 PM



#42
1,2-Dichloroethane
Concen: 5.174 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	0.0	17.4	





#43

Isopropyl Acetate

Concen: 4.619 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

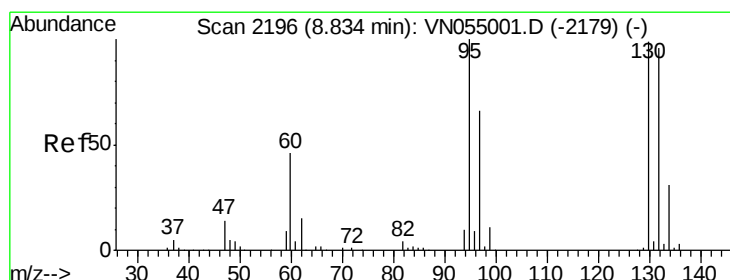
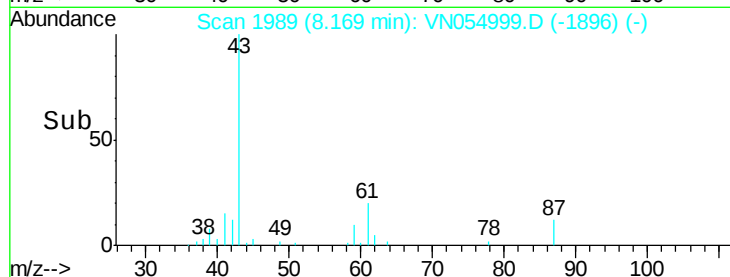
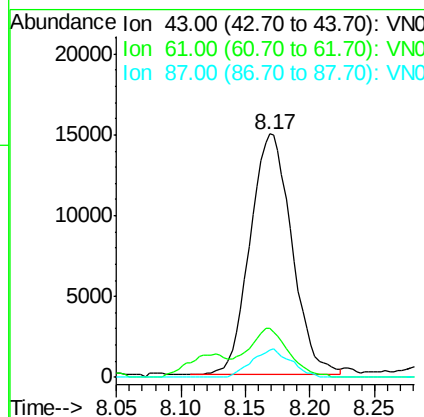
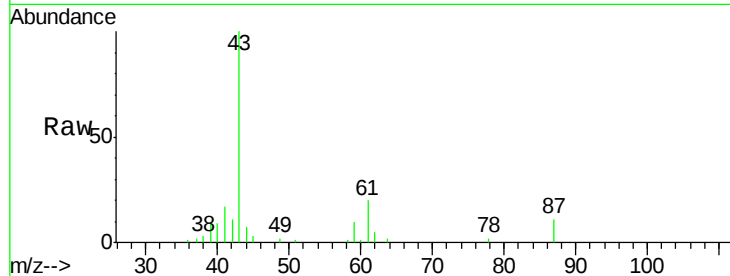
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	33669
Ion	Ratio	Lower	Upper
43	100		
61	19.8	14.3	21.5
87	10.9	8.6	13.0

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#44

Trichloroethene

Concen: 5.114 ug/l

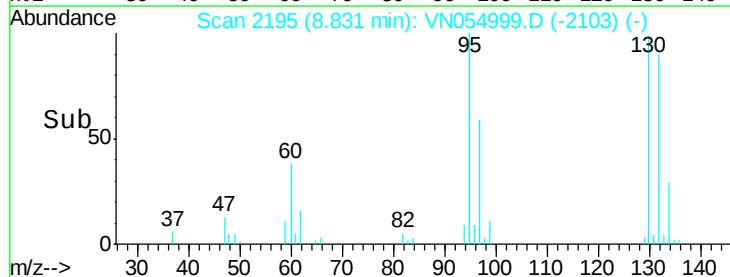
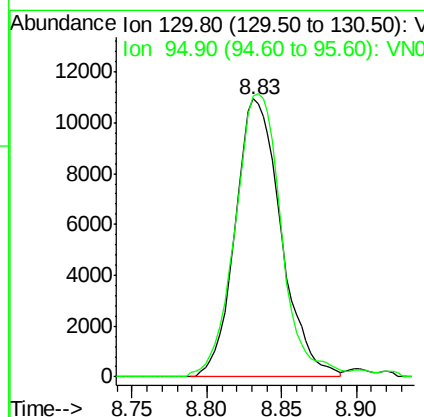
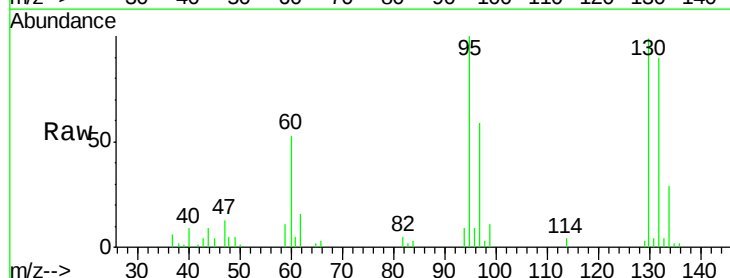
RT: 8.83 min Scan# 2195

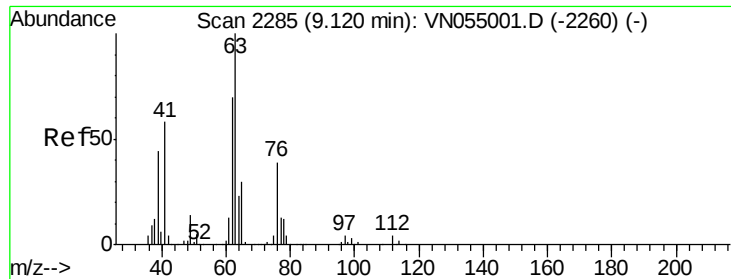
Delta R.T. -0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Tgt Ion:	130	Resp:	23349
Ion	Ratio	Lower	Upper
130	100		
95	99.5	0.0	201.6





#45

1,2-Dichloropropane

Concen: 5.235 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 26027

Ion Ratio Lower Upper

63 100

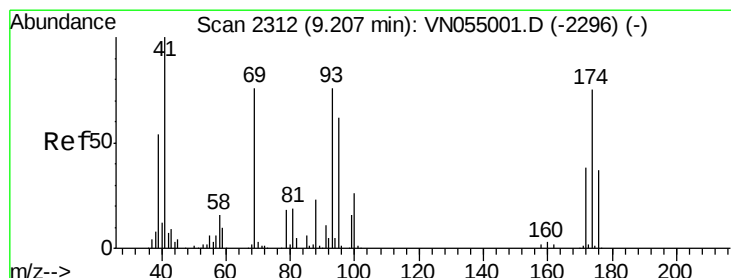
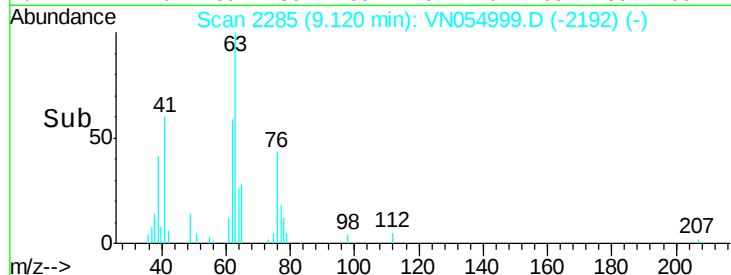
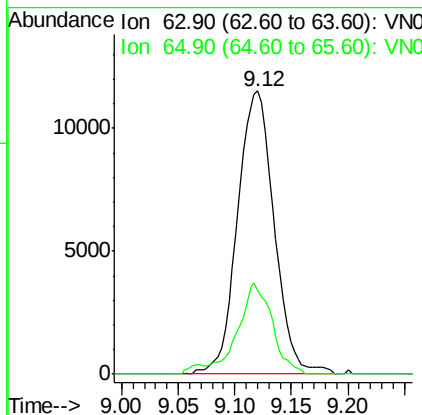
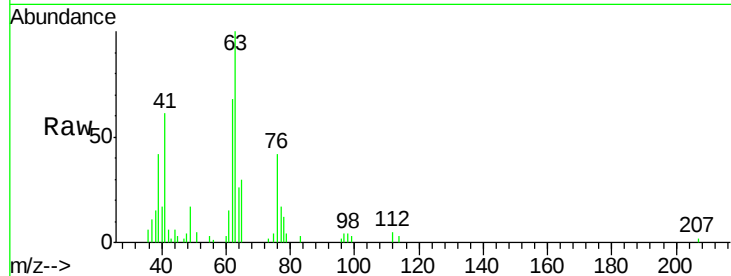
65 29.5 24.4 36.6

Manual Integrations

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#46

Dibromomethane

Concen: 4.953 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

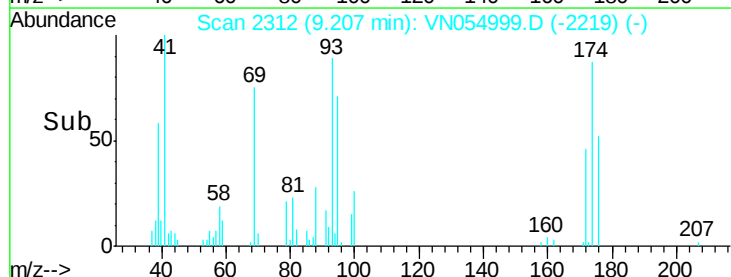
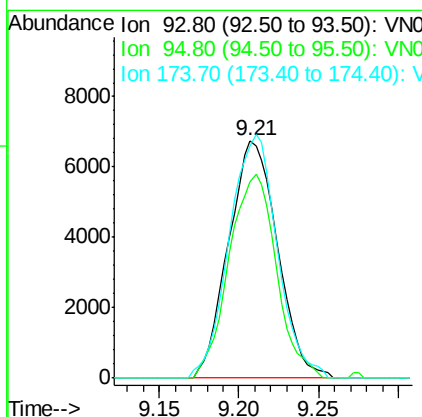
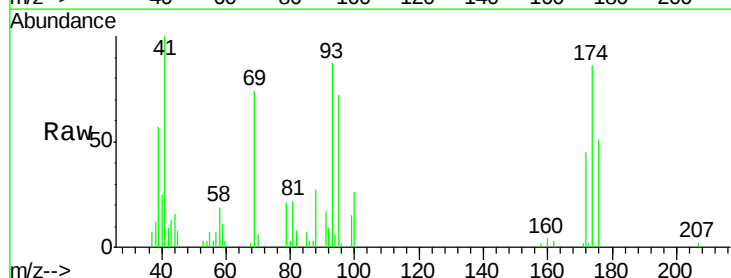
Tgt Ion: 93 Resp: 14080

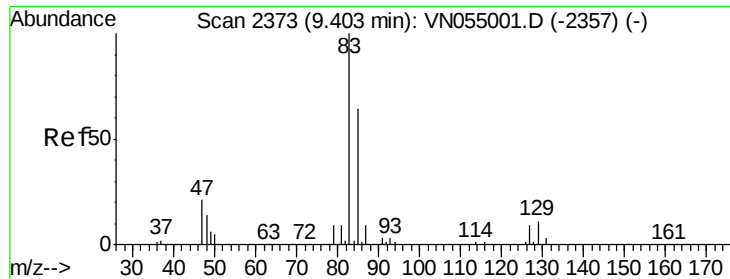
Ion Ratio Lower Upper

93 100

95 83.0 65.0 97.6

174 100.7 81.0 121.6





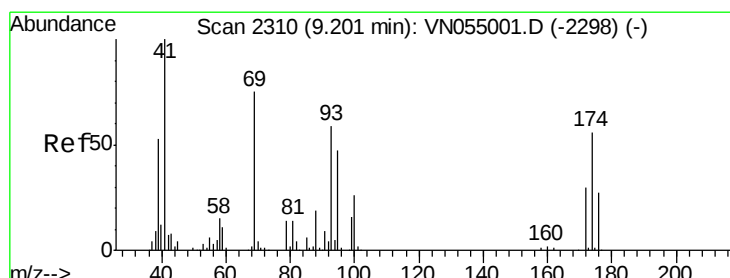
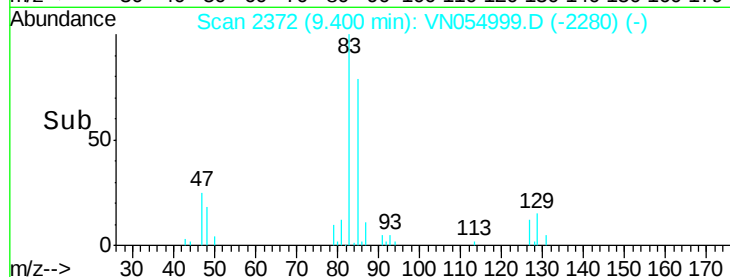
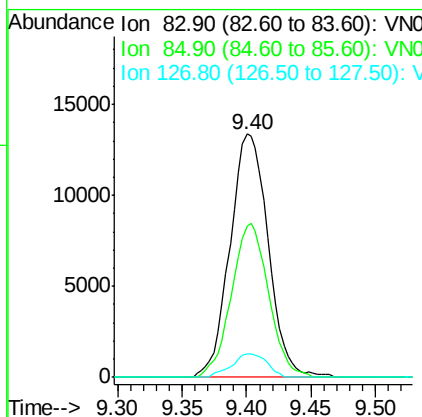
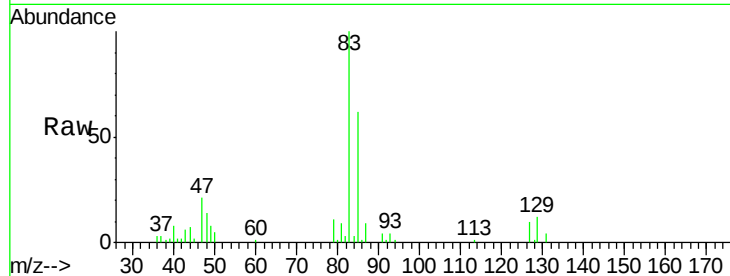
#47
Bromodichloromethane
Concen: 4.645 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	27527
Ion Ratio	100	Lower	Upper
83	100		
85	62.3	51.2	76.8
127	9.8	6.8	10.2

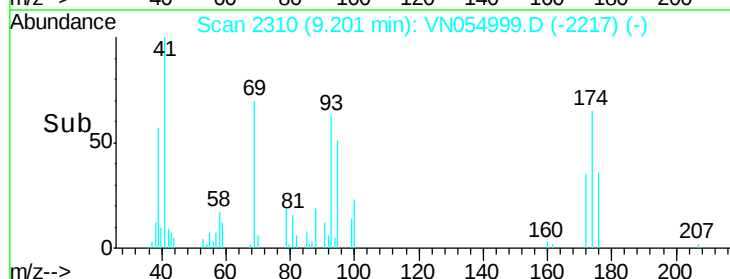
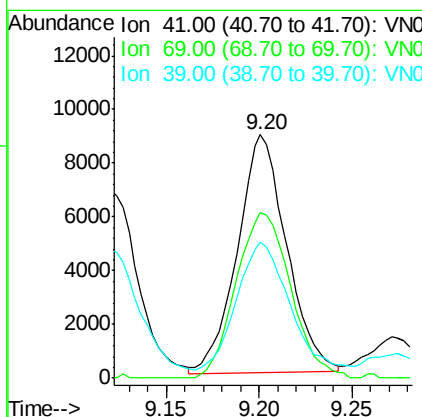
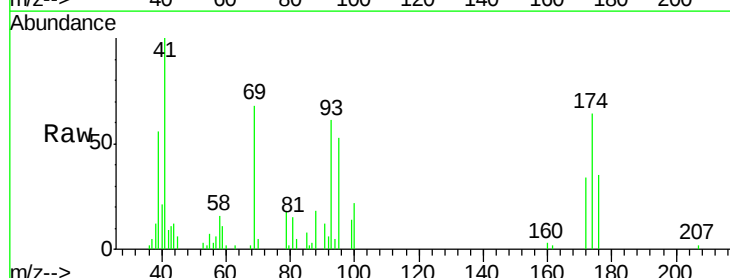
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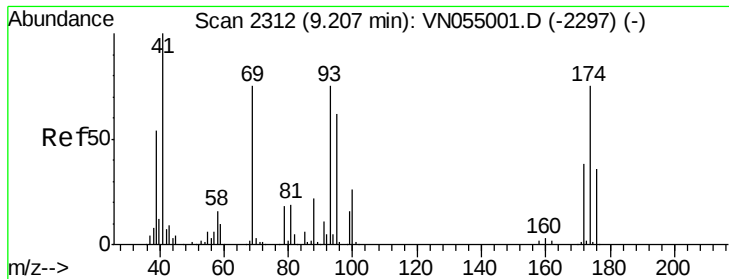
MMDadoda
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#48
Methyl methacrylate
Concen: 4.471 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion	41	Resp	16387
Ion Ratio	100	Lower	Upper
41	100		
69	76.7	60.5	90.7
39	62.2	43.9	65.9





#49

1,4-Dioxane

Concen: 99.241 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

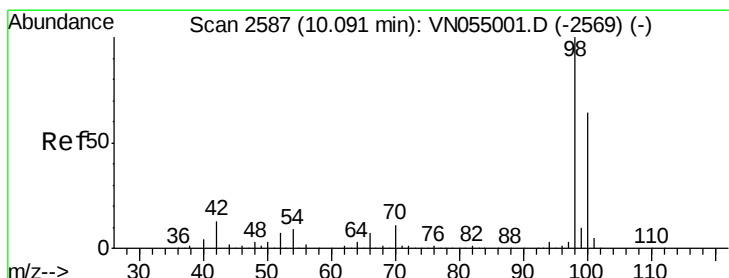
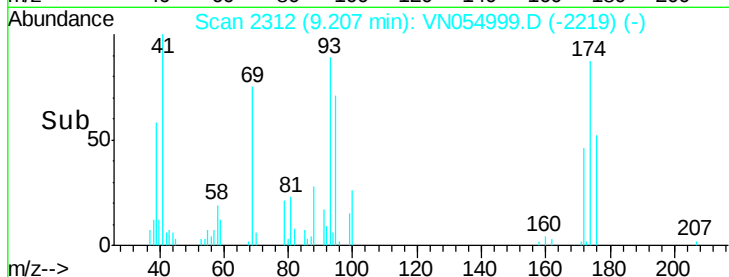
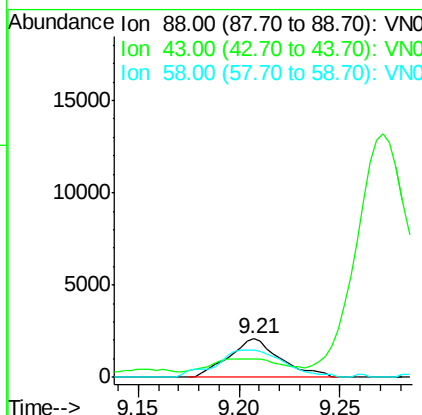
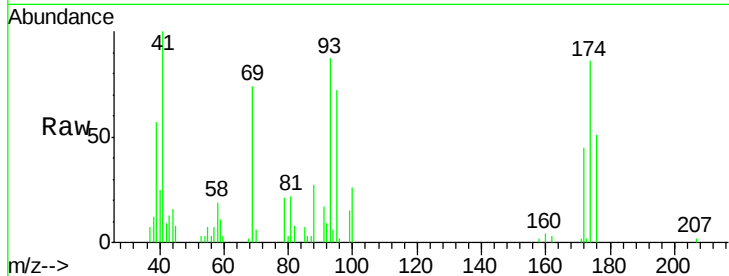
ClientSampleId :

VSTDIC005

Tot Ion:	88	Resp:	3744
Ion	Ratio	Lower	Upper
88	100		
43	43.4	31.8	47.8
58	91.5	61.6	92.4

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#50

Toluene-d8

Concen: 4.731 ug/l

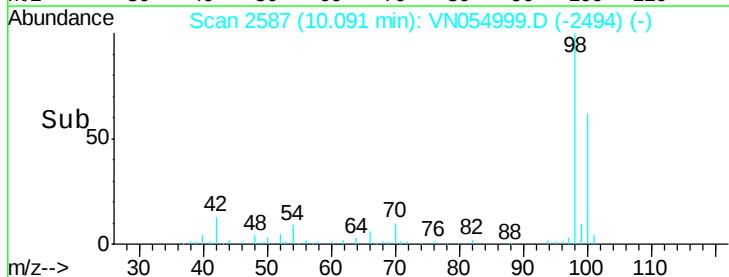
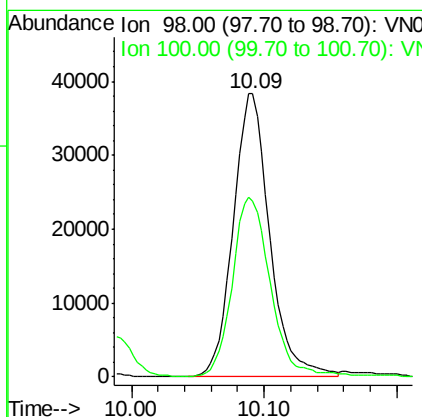
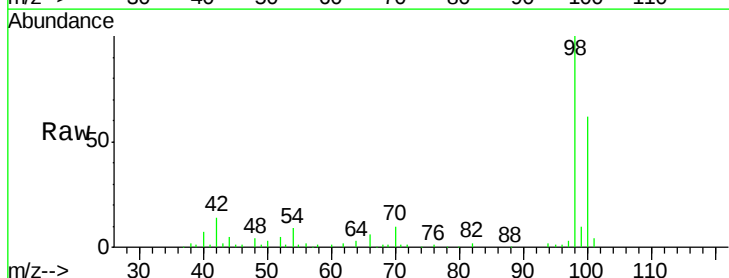
RT: 10.09 min Scan# 2587

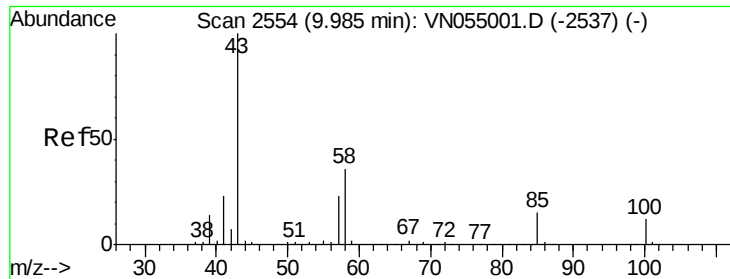
Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Tgt Ion:	98	Resp:	73433
Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.1	76.7





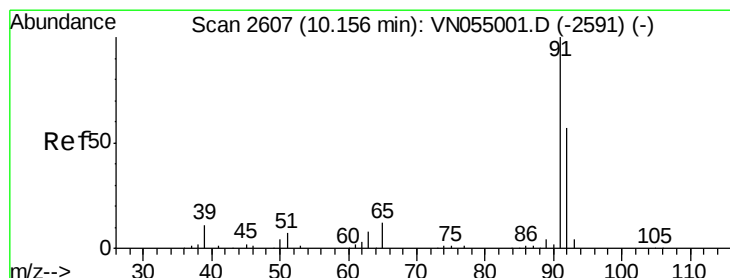
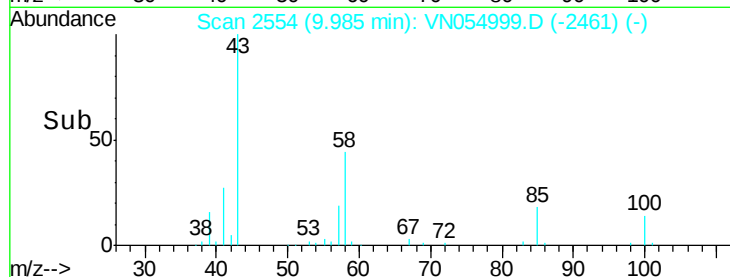
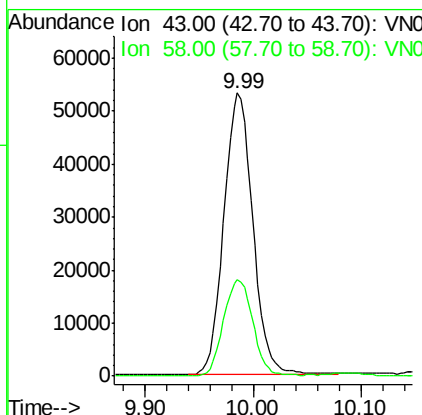
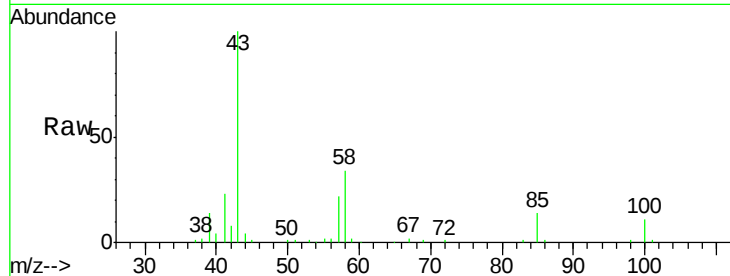
#51
4-Methyl-2-Pentanone
Concen: 24.417 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	58	Resp	Lower	Upper
43	100				
58	34.6		29.0	43.4	

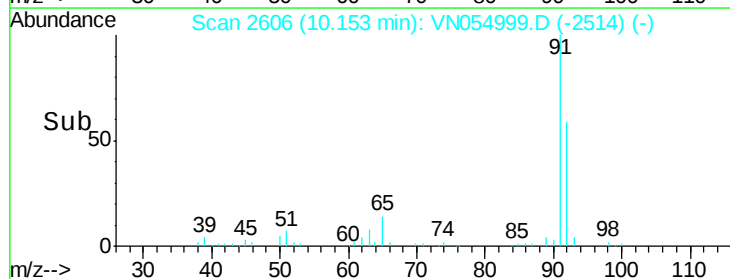
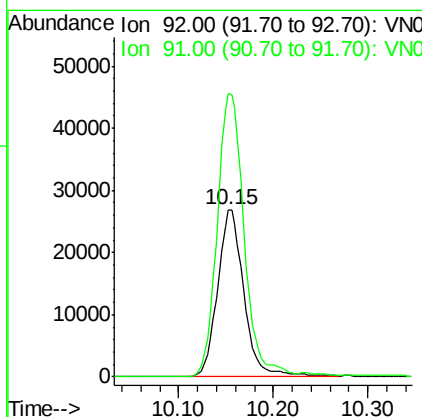
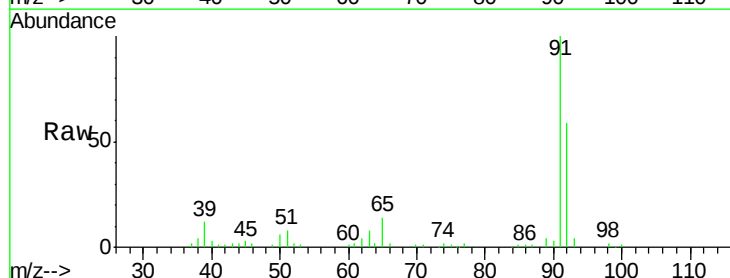
Manual Integrations
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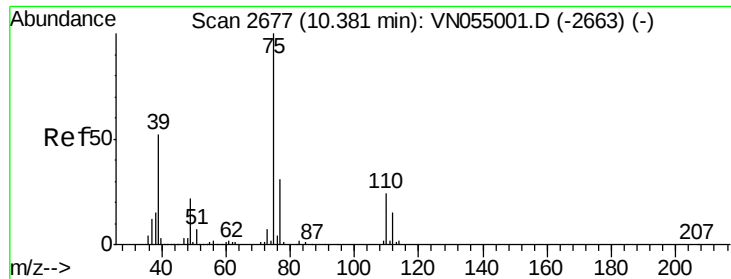
MMDadoda
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#52
Toluene
Concen: 4.982 ug/l
RT: 10.15 min Scan# 2606
Delta R.T. -0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion	92	91	Resp	Lower	Upper
92	100				
91	171.6		140.8	211.2	





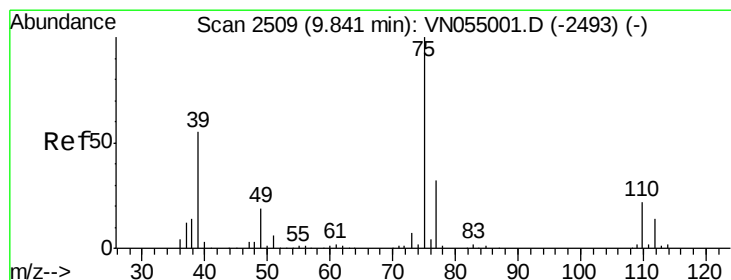
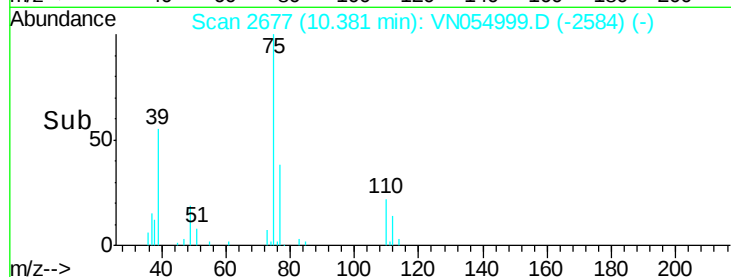
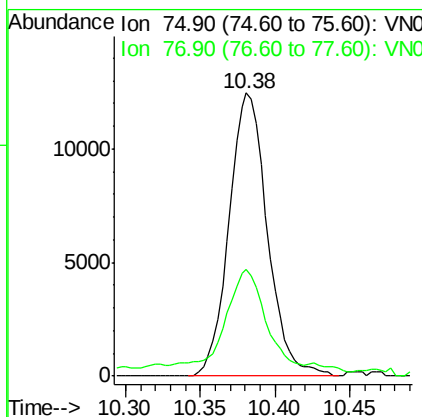
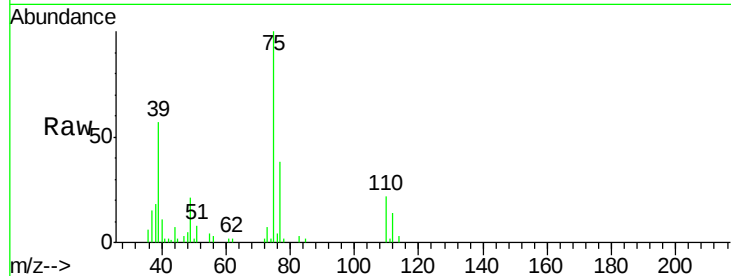
#53
t-1,3-Dichloropropene
Concen: 4.086 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion: 75 Resp: 22219
Ion Ratio Lower Upper
75 100
77 35.0 24.6 37.0

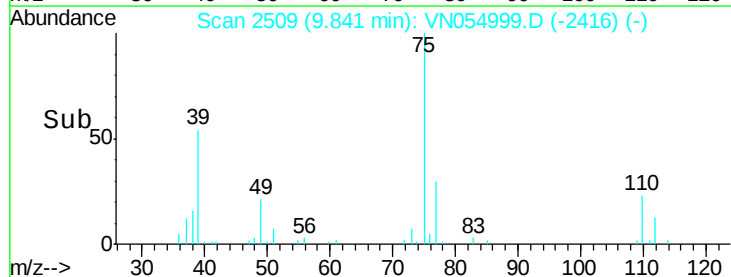
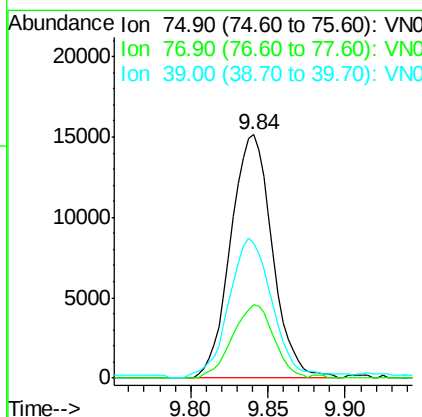
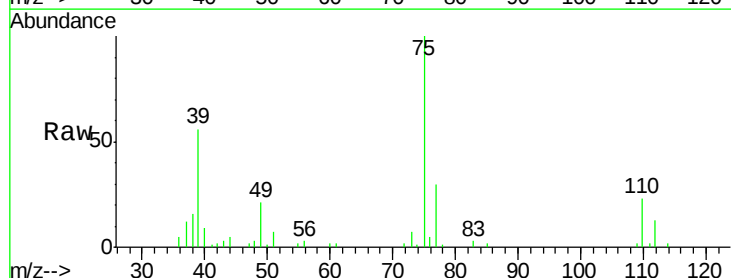
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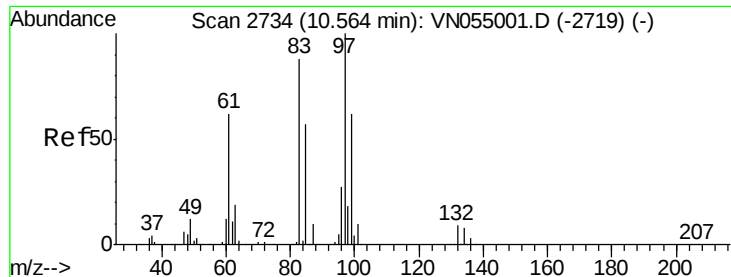
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 4.256 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion: 75 Resp: 28319
Ion Ratio Lower Upper
75 100
77 30.2 25.8 38.6
39 54.0 43.8 65.8





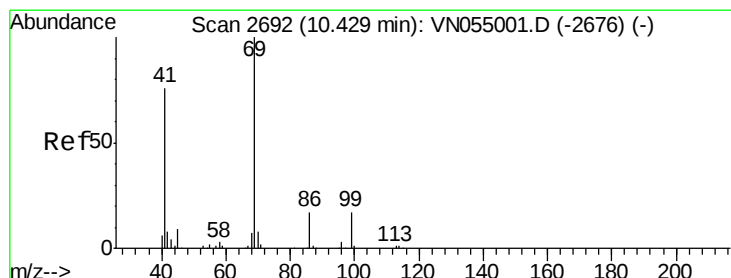
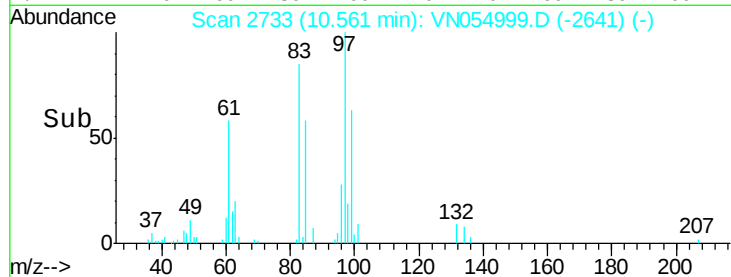
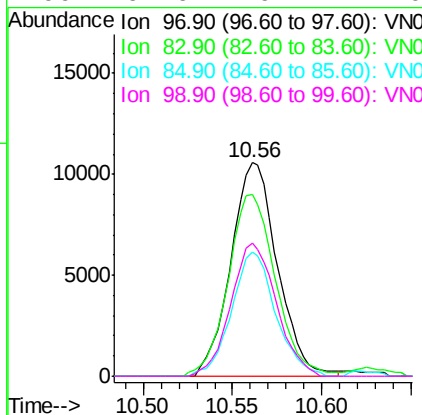
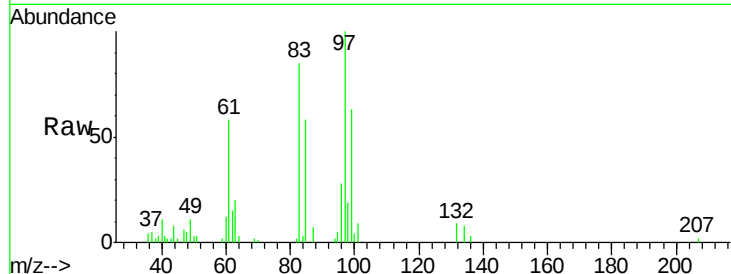
#55
 1,1,2-Trichloroethane
 Concen: 5.007 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	19242
Ion	Ratio	Lower	Upper
97	100		
83	83.6	70.5	105.7
85	58.0	45.5	68.3
99	62.6	49.4	74.0

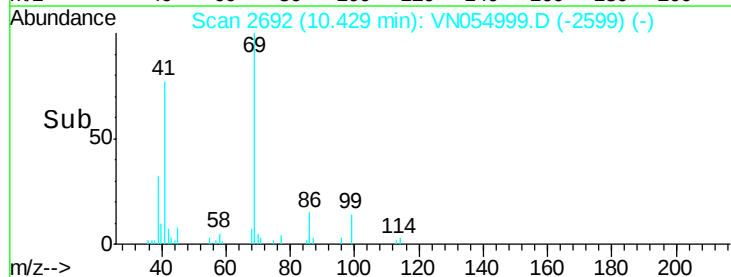
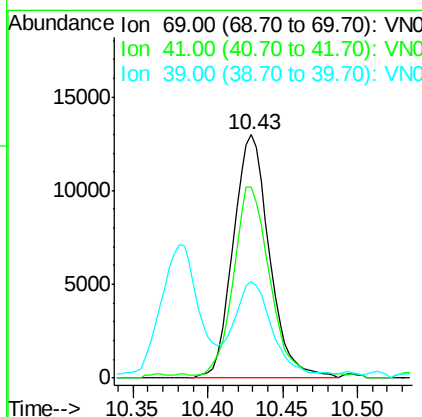
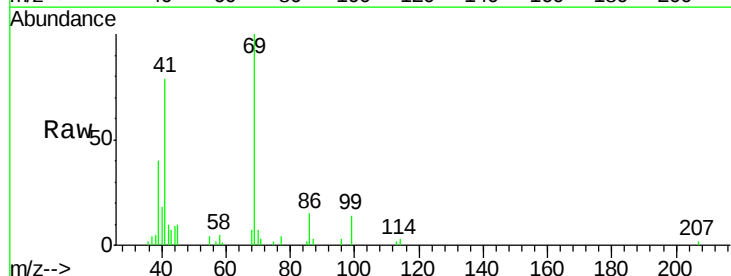
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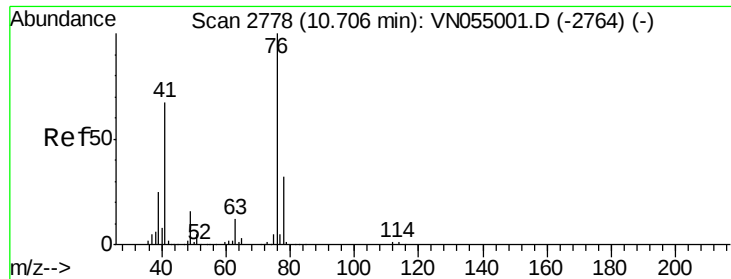
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 4.381 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Tgt Ion:	69	Resp:	21929
Ion	Ratio	Lower	Upper
69	100		
41	75.3	61.4	92.0
39	39.4	30.8	46.2





#57

1,3-Dichloropropane

Concen: 4.817 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 32306

Ion Ratio Lower Upper

76 100

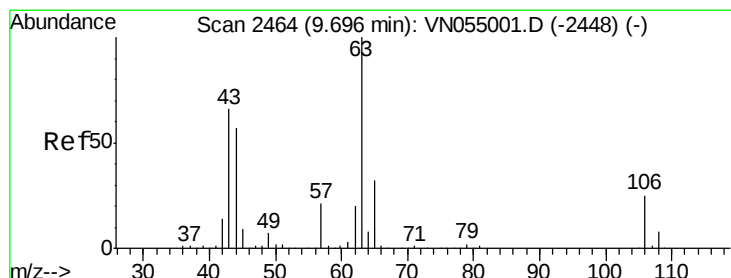
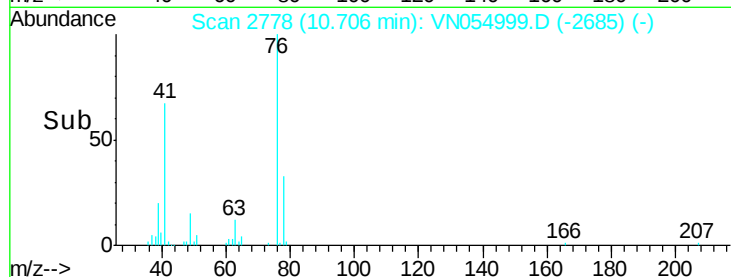
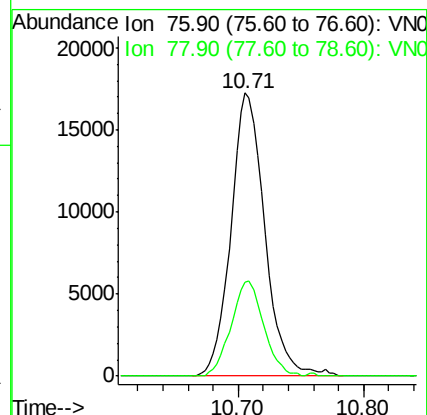
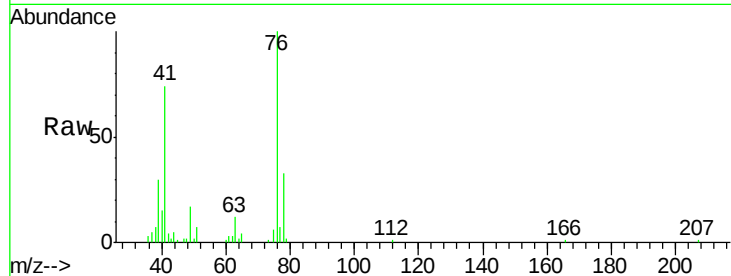
78 32.1 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 21.312 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN054999.D

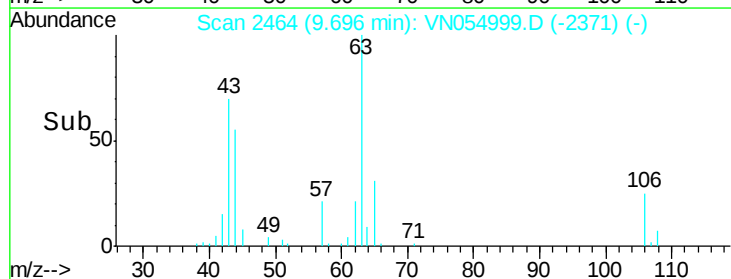
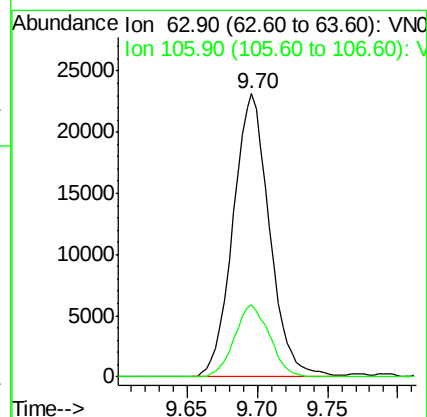
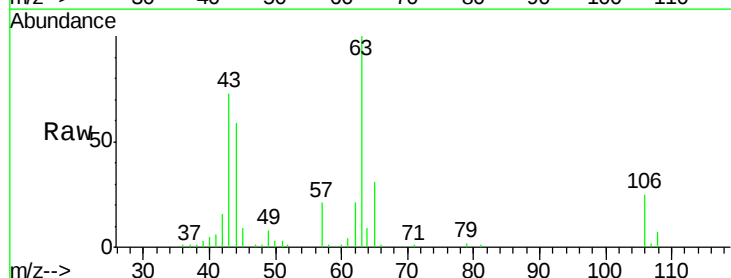
Acq: 12 Apr 2019 15:13

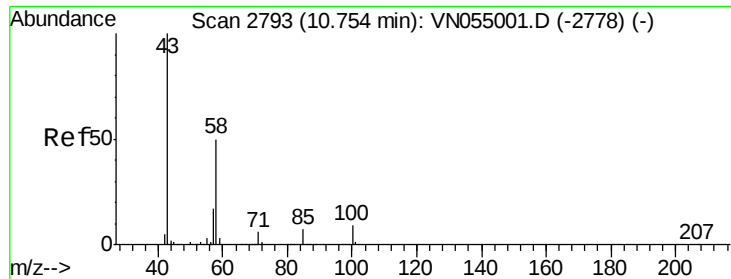
Tgt Ion: 63 Resp: 41924

Ion Ratio Lower Upper

63 100

106 24.5 20.0 30.0





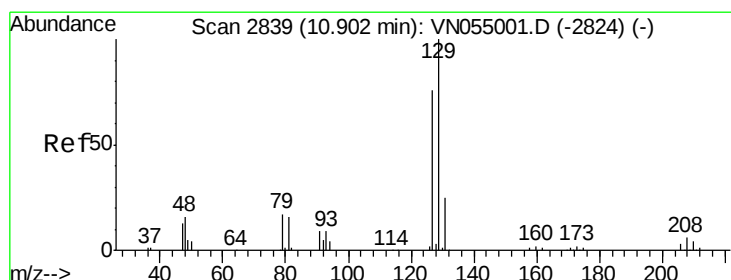
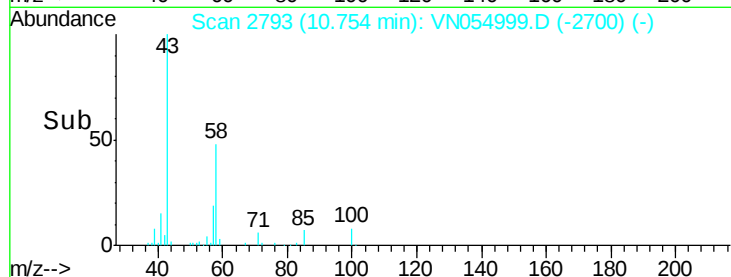
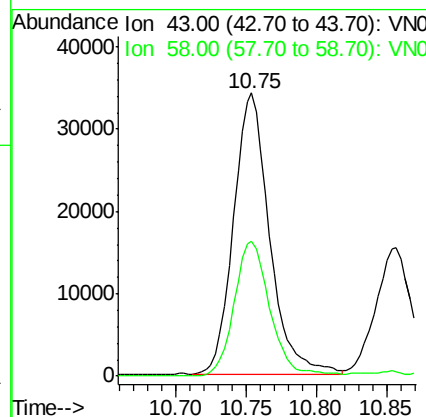
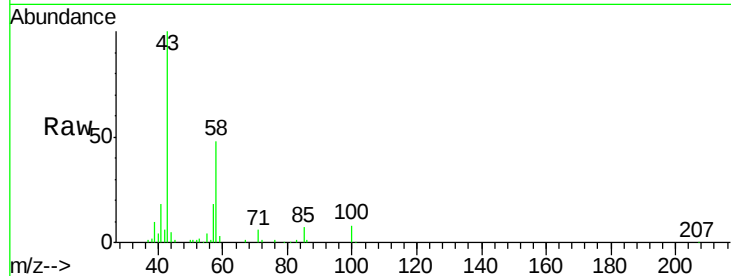
#59
2-Hexanone
Concen: 23.989 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 61013
Ion Ratio Lower Upper
43 100
58 48.0 25.1 75.2

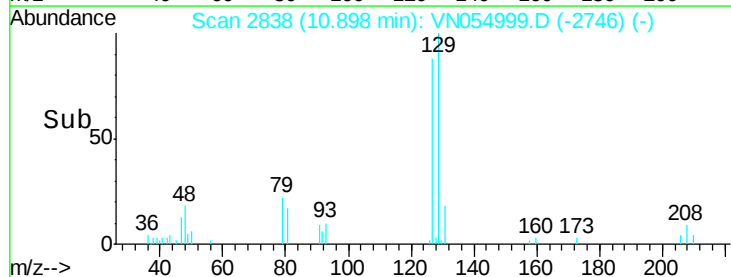
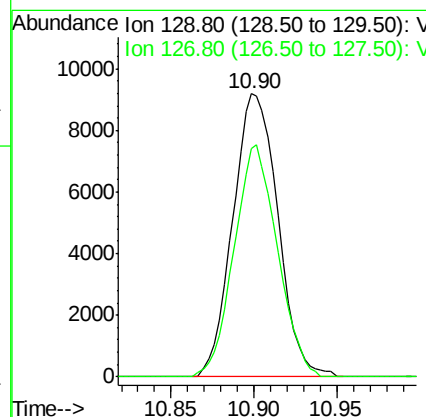
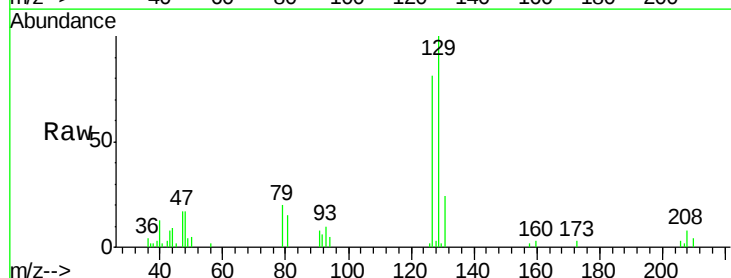
Manual Integrations
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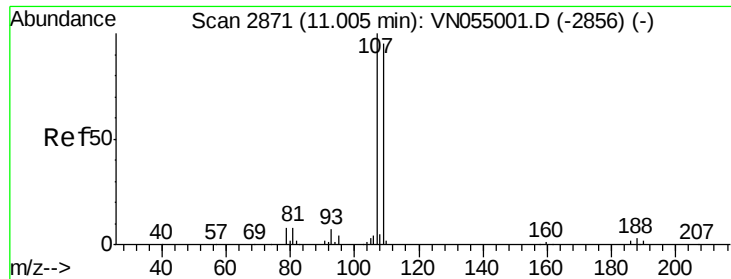
MMDadoda
4/16/2019 1:57:59 PM



#60
Dibromochloromethane
Concen: 4.337 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion: 129 Resp: 17341
Ion Ratio Lower Upper
129 100
127 78.8 38.2 114.6





#61

1,2-Dibromoethane

Concen: 4.859 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 107 Resp: 17510

Ion Ratio Lower Upper

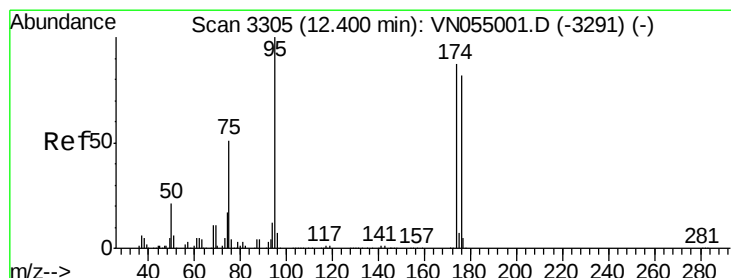
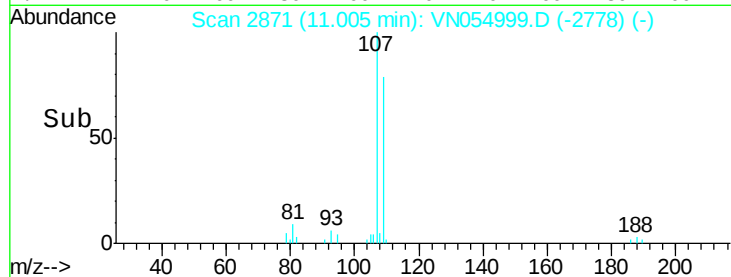
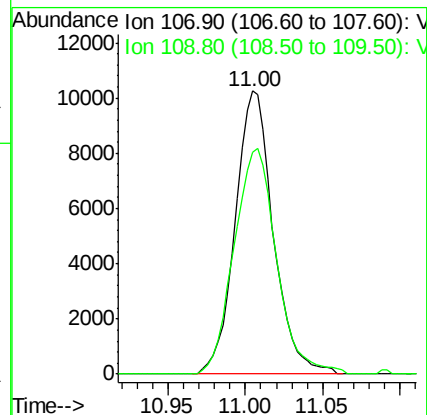
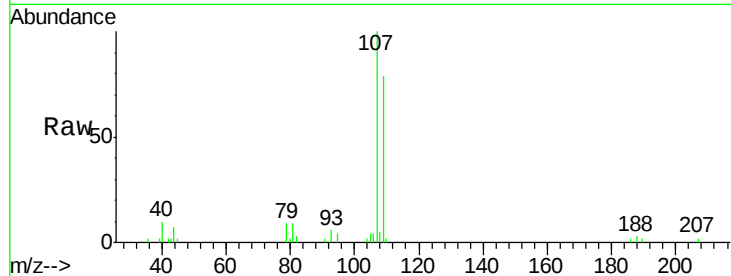
107 100

109 89.0 76.5 114.7

Manual Integrations
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MMDadoda

4/16/2019 1:57:59 PM



#62

4-Bromofluorobenzene

Concen: 4.743 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

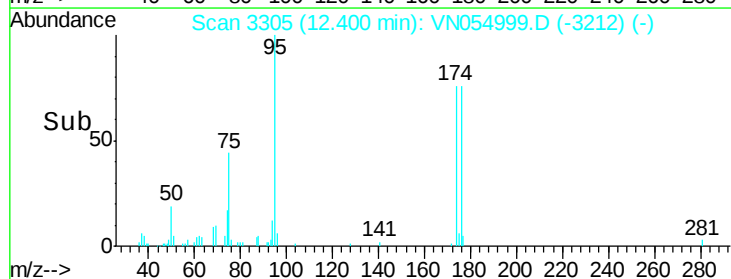
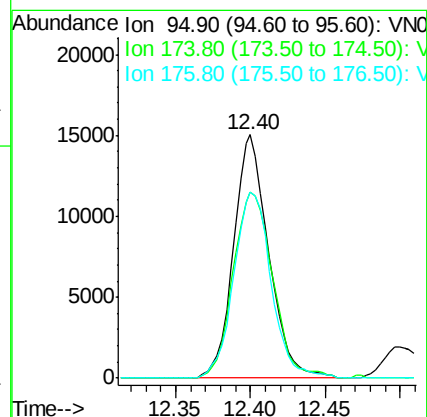
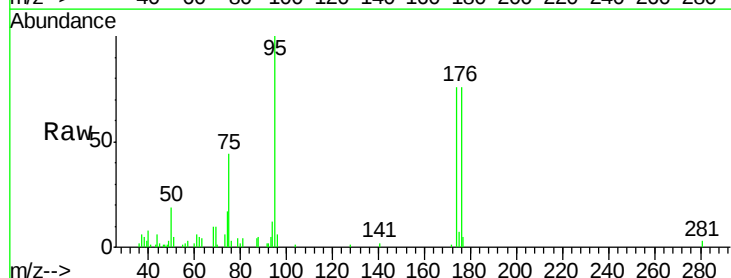
Tgt Ion: 95 Resp: 24502

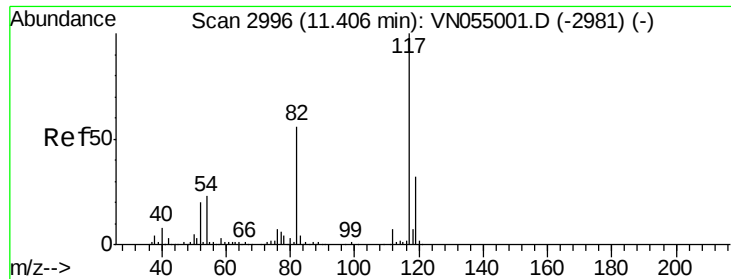
Ion Ratio Lower Upper

95 100

174 86.4 0.0 174.4

176 81.9 0.0 166.8





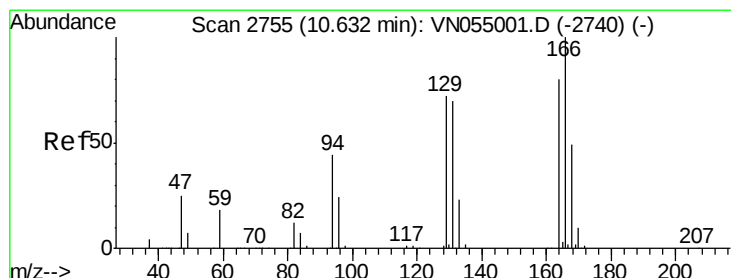
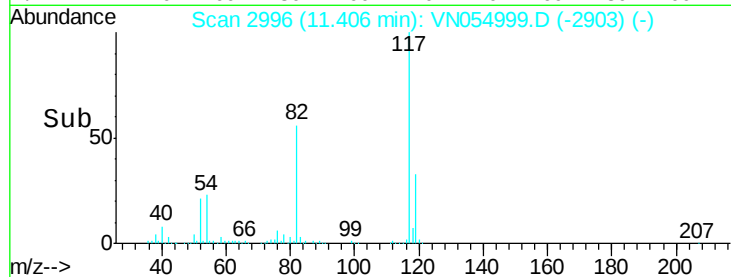
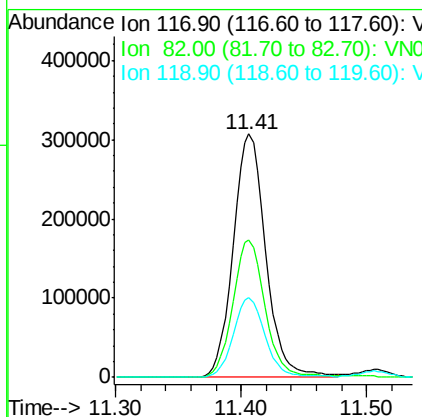
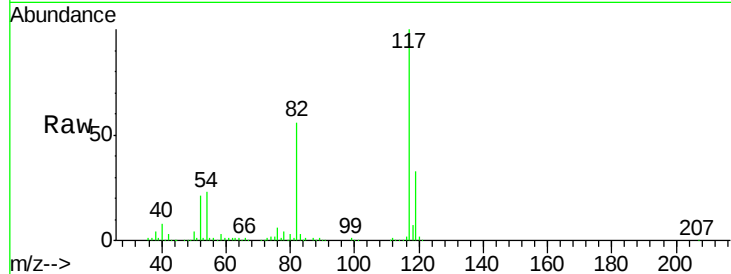
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	554669		
82	56.5		44.6	66.8
119	32.6		25.5	38.3

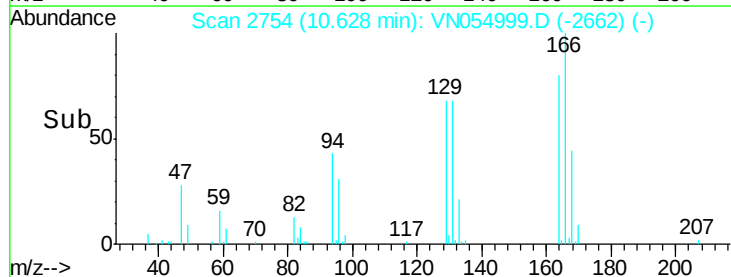
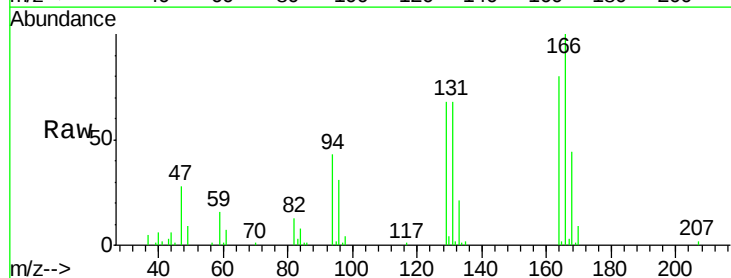
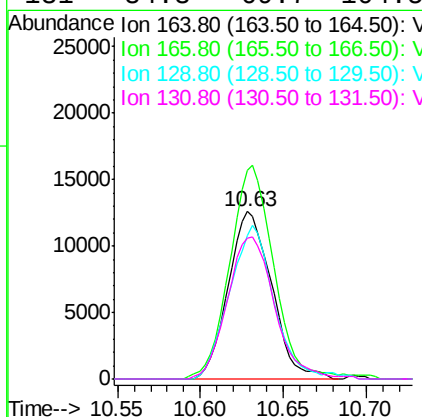
Manual Integrations
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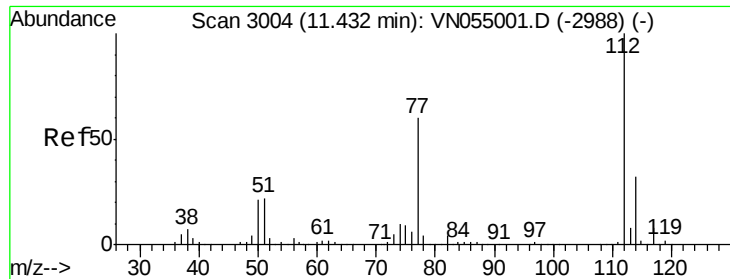
MMDadoda
4/16/2019 1:57:59 PM



#64
Tetrachloroethene
Concen: 5.165 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	22941		
166	123.5		100.0	150.0
129	85.3		72.0	108.0
131	84.3		69.7	104.5





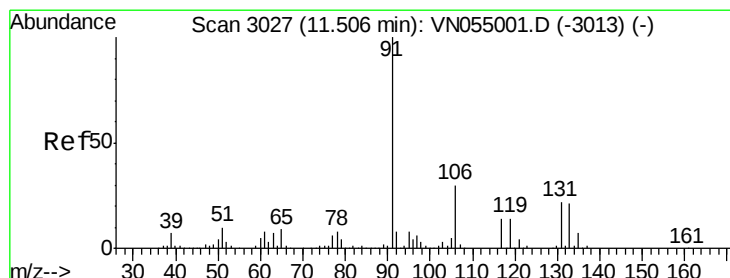
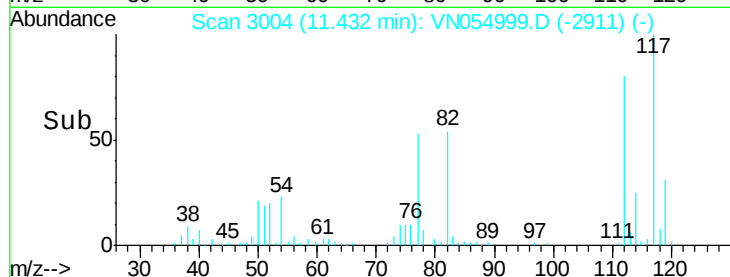
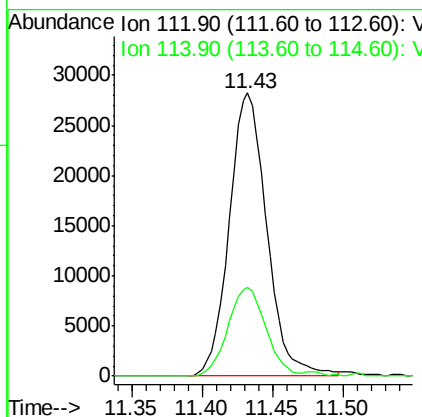
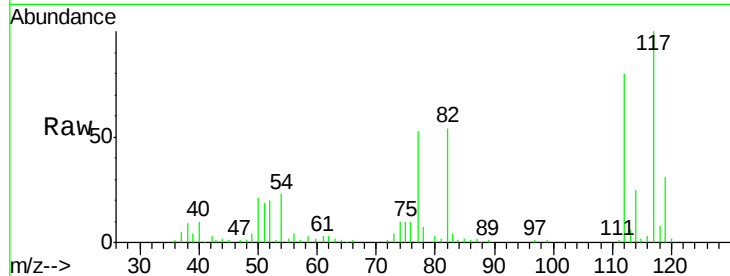
#65
Chlorobenzene
Concen: 4.726 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 52786
Ion Ratio Lower Upper
112 100
114 30.8 25.3 37.9

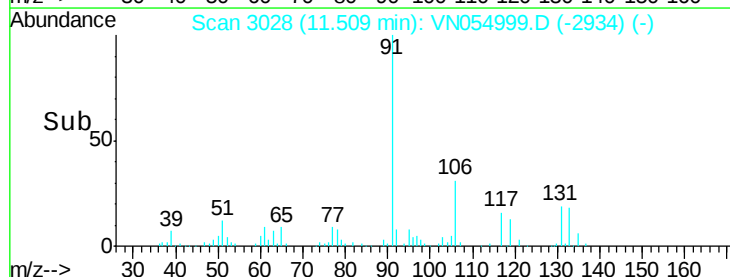
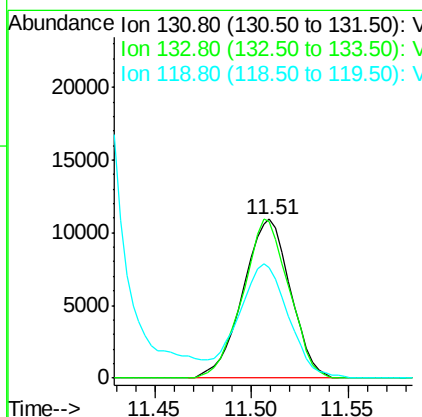
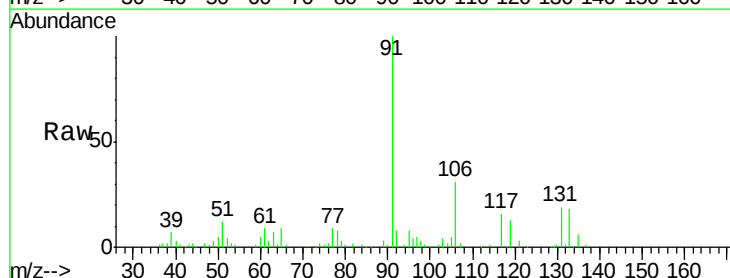
Manual Integrations
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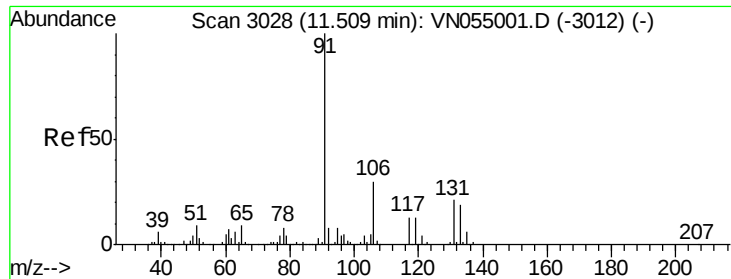
MMDadoda
4/16/2019 1:57:59 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 4.571 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion:131 Resp: 18696
Ion Ratio Lower Upper
131 100
133 97.3 47.8 143.3
119 76.2 33.6 100.6





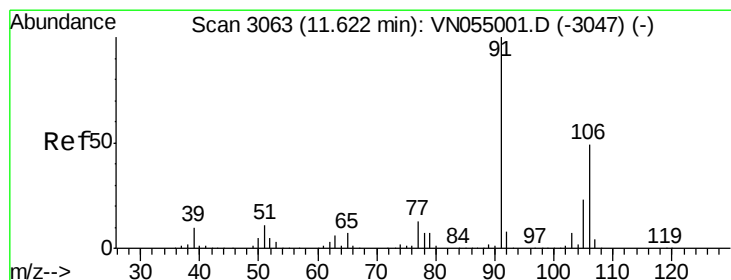
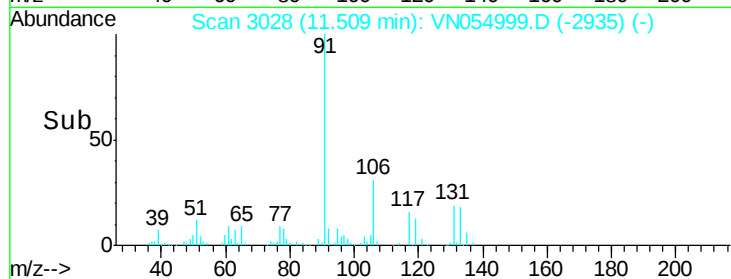
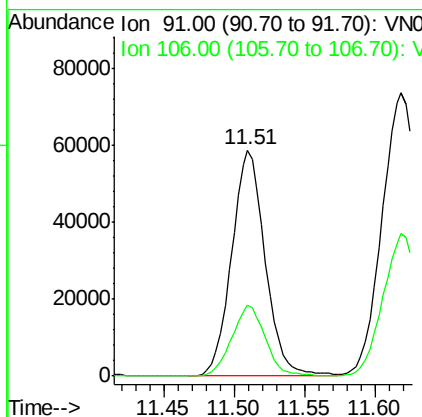
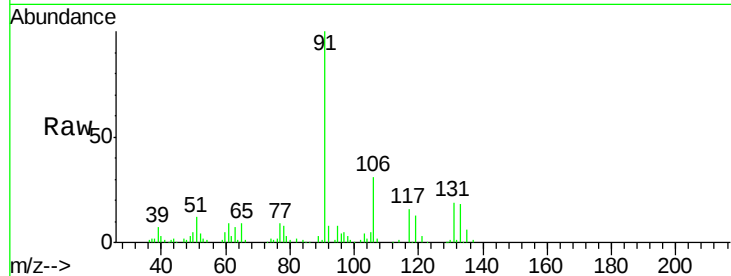
#67
Ethyl Benzene
Concen: 4.854 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	91	Resp	97699
Ion	Ratio	Lower	Upper
91	100		
106	31.4	24.3	36.5

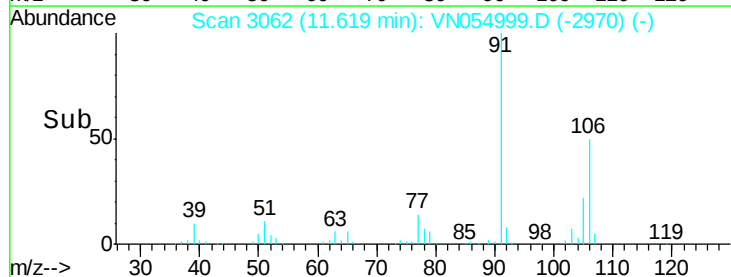
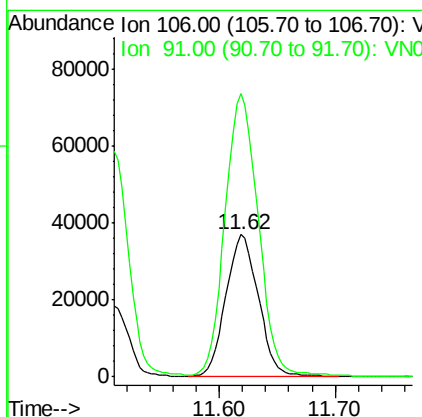
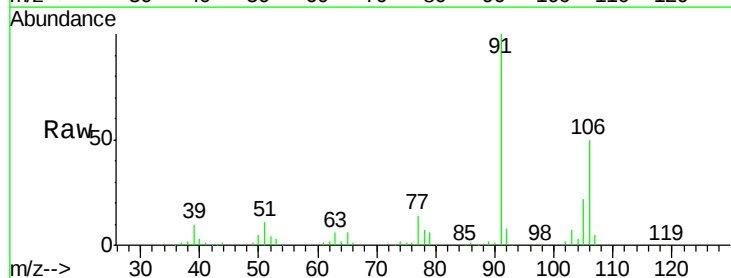
Manual Integrations
APPROVED

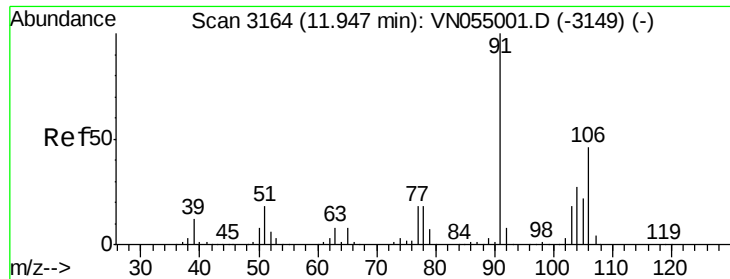
MMDadoda
4/16/2019 1:57:59 PM



#68
m/p-Xylenes
Concen: 9.796 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion	106	Resp	72151
Ion	Ratio	Lower	Upper
106	100		
91	200.8	165.9	248.9





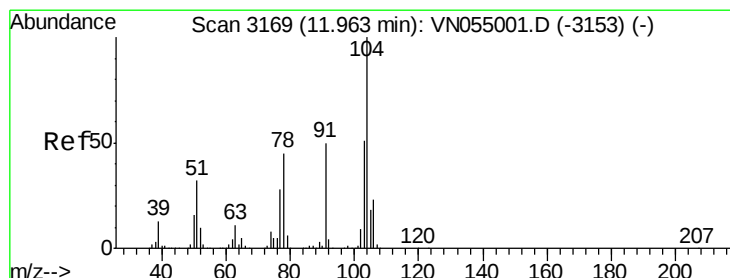
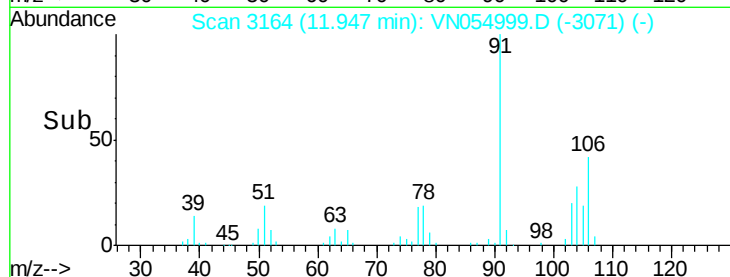
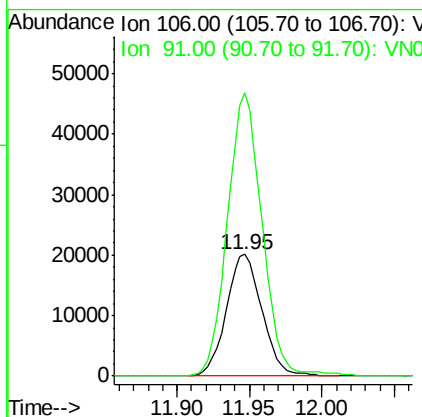
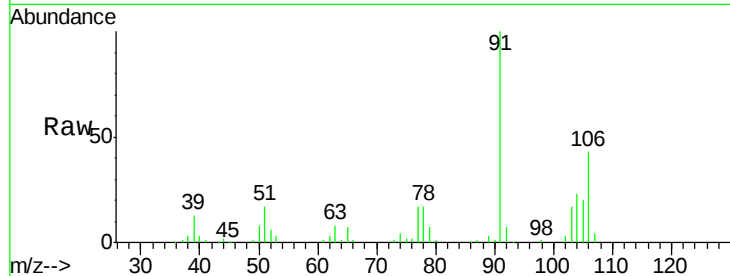
#69
o-Xylene
Concen: 4.783 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:106 Resp: 34306
Ion Ratio Lower Upper
106 100
91 223.6 109.9 329.8

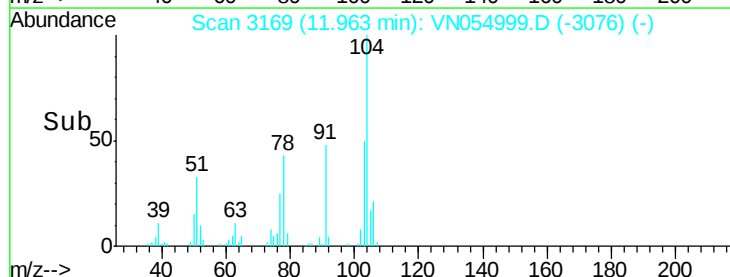
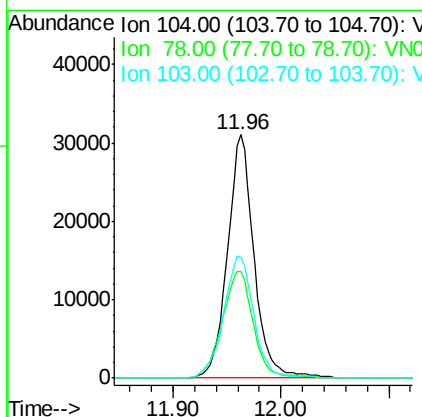
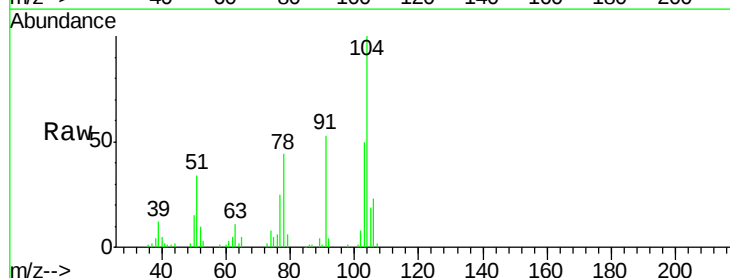
Manual Integrations
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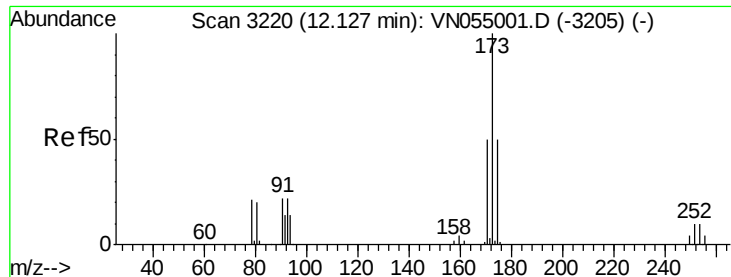
MMDadoda
4/16/2019 1:57:59 PM



#70
Styrene
Concen: 4.635 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion:104 Resp: 53389
Ion Ratio Lower Upper
104 100
78 50.2 40.3 60.5
103 56.3 44.3 66.5





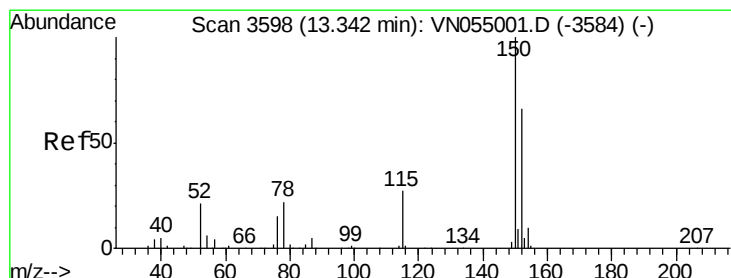
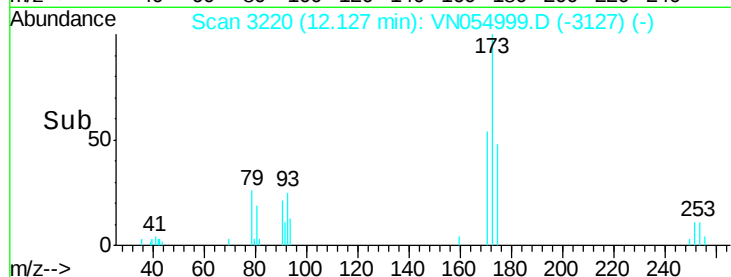
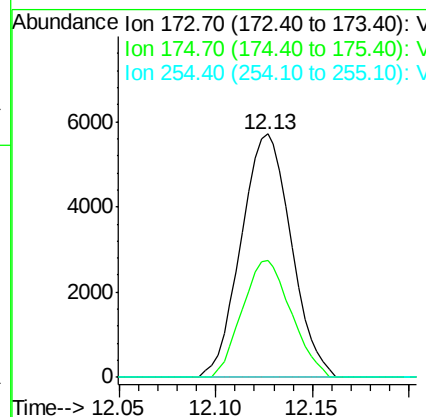
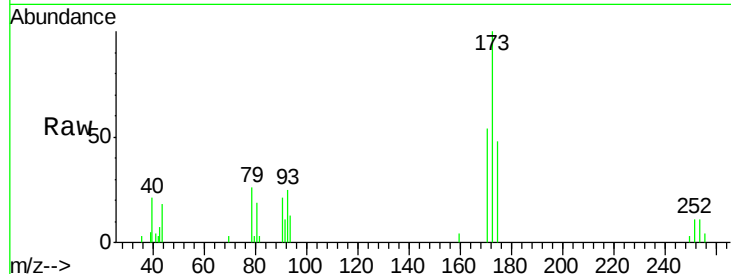
#71
Bromoform
Concen: 4.155 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.9	24.3	73.0
254	0.0	0.1	0.1#

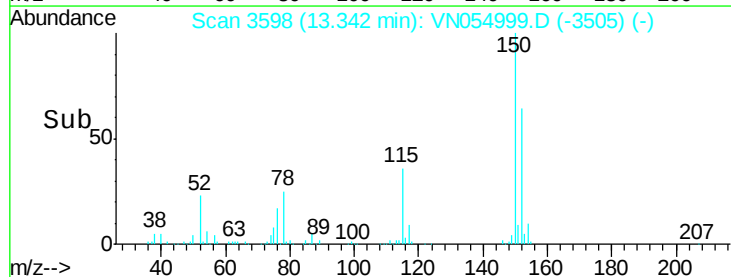
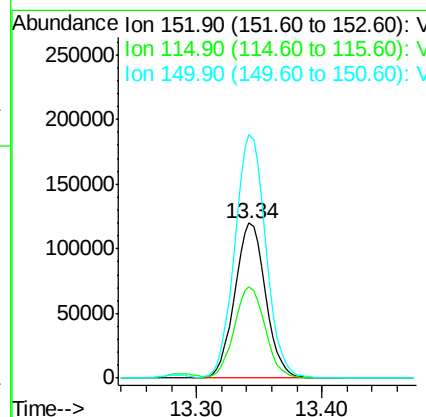
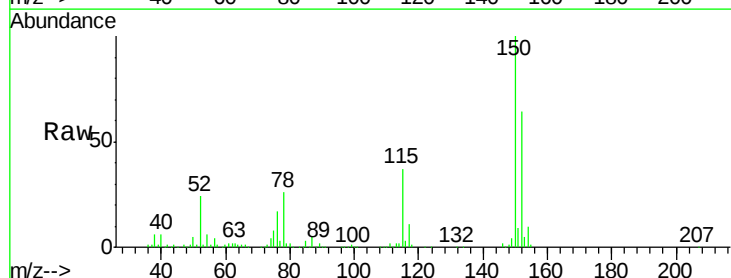
Manual Integrations
APPROVED

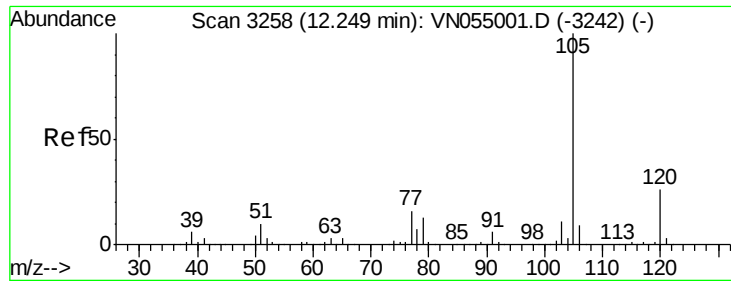
MMDadoda
4/16/2019 1:57:59 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.9	28.5	85.6
150	158.7	0.0	347.2





#73

Isopropylbenzene

Concen: 5.252 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 90147

Ion Ratio Lower Upper

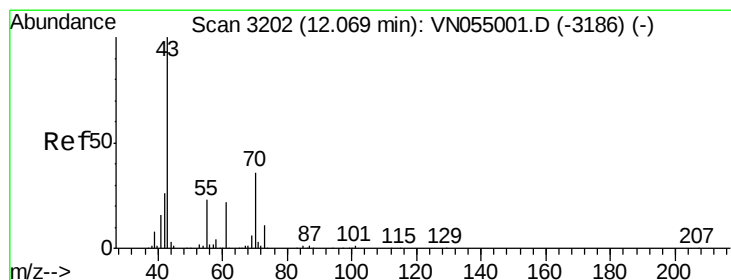
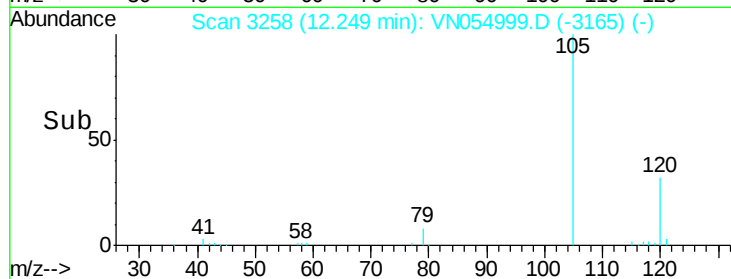
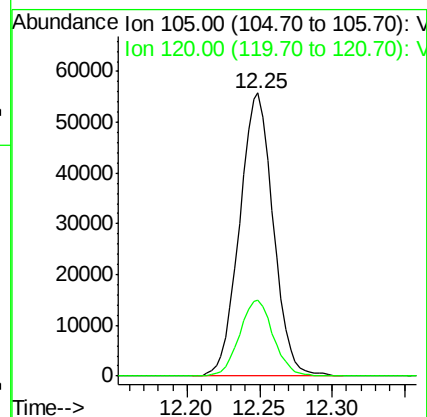
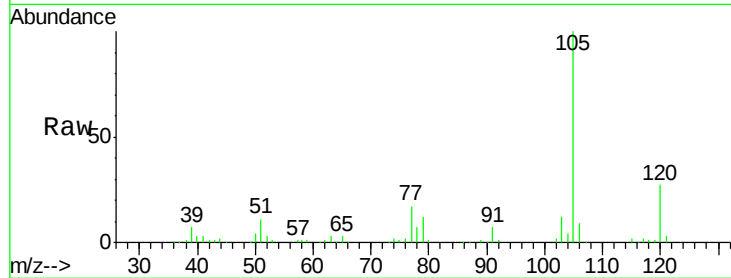
105 100

120 26.9 13.3 39.9

Manual Integrations
APPROVED

MMDadoda

4/16/2019 1:57:59 PM



#74

N-ethyl acetate

Concen: 5.003 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Tgt Ion: 43 Resp: 24045

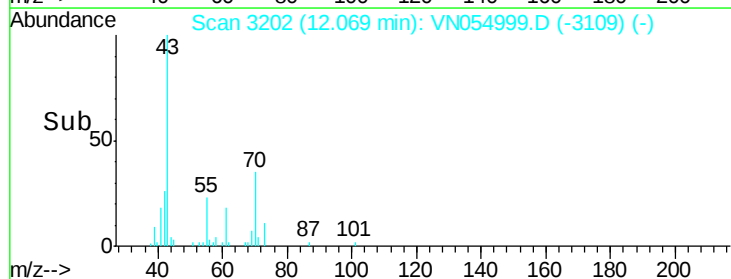
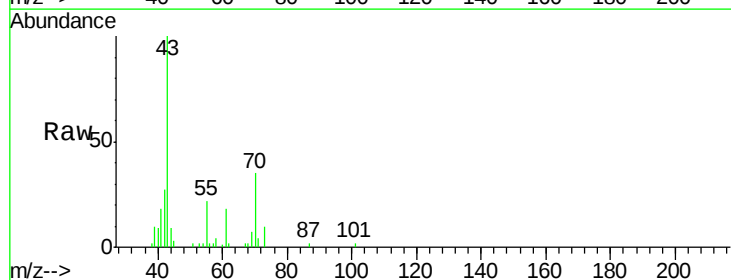
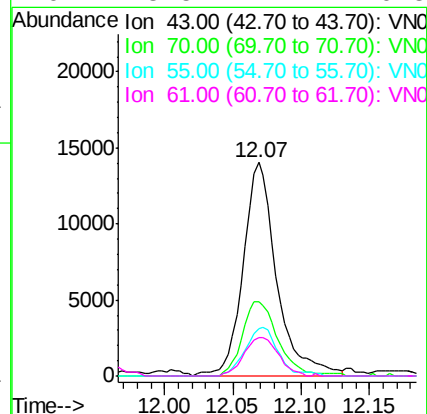
Ion Ratio Lower Upper

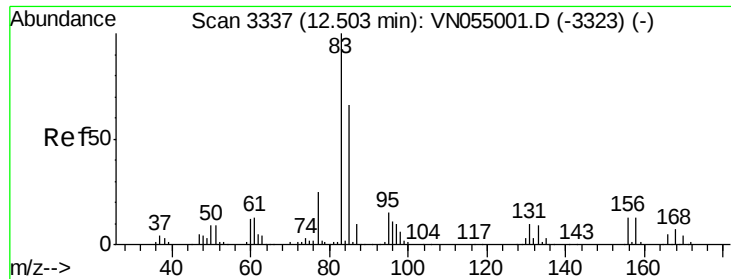
43 100

70 37.0 29.4 44.0

55 21.7 19.0 28.4

61 18.5 17.7 26.5





#75

1,1,2,2-Tetrachloroethane

Concen: 5.526 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

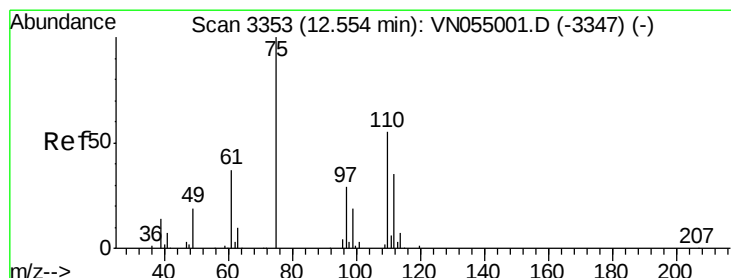
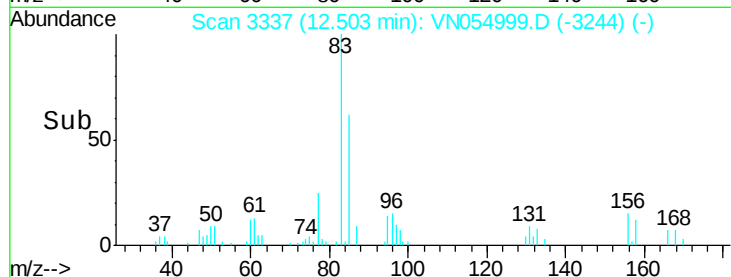
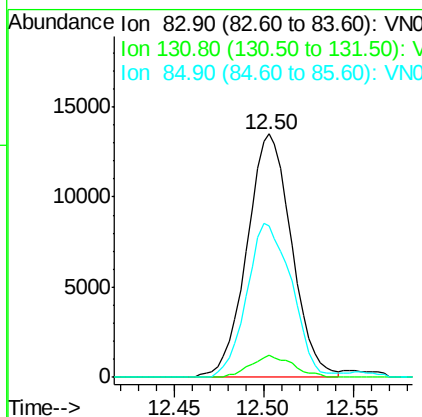
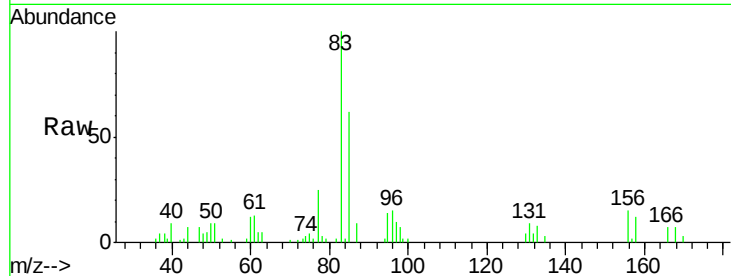
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	23643
Ion	Ratio	Lower	Upper
83	100		
131	8.6	5.0	15.0
85	63.6	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 5.430 ug/l m

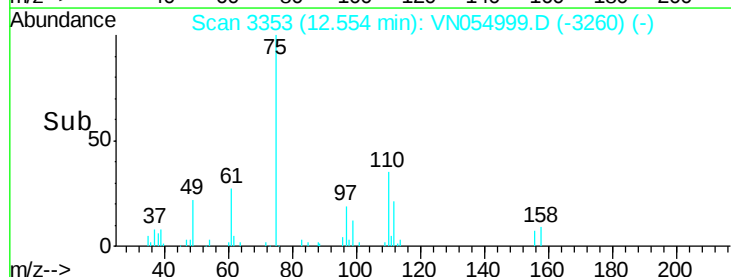
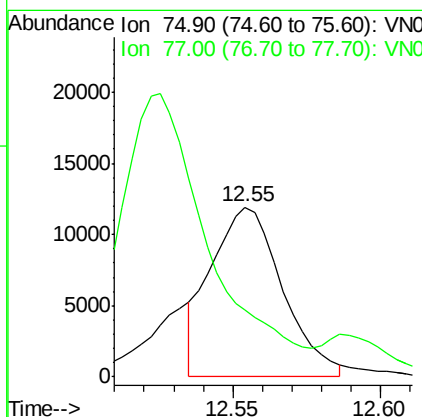
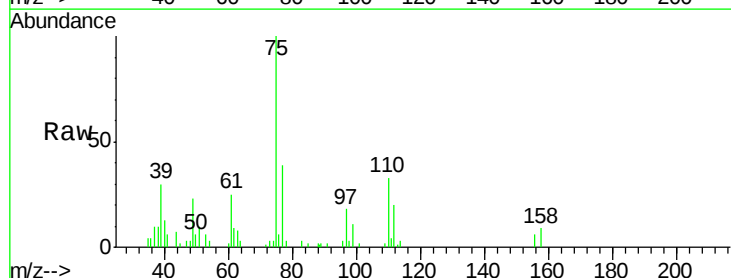
RT: 12.55 min Scan# 3353

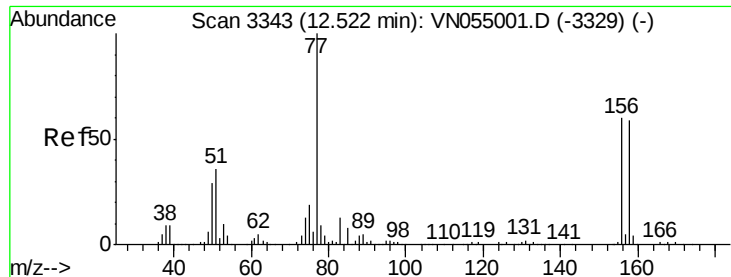
Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Tgt Ion:	75	Resp:	20061
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.201 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:156 Resp: 21648

Ion Ratio Lower Upper

156 100

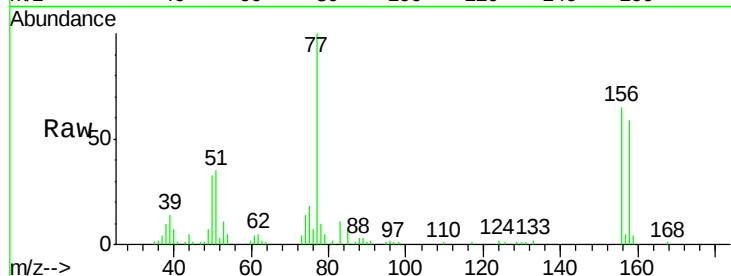
77 195.4 97.2 291.5

158 99.3 48.6 145.9

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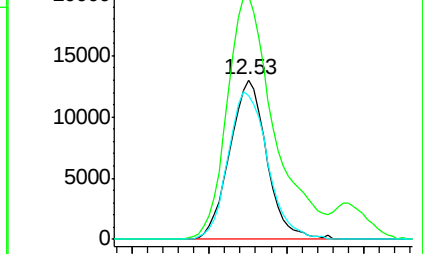
4/16/2019 1:57:59 PM



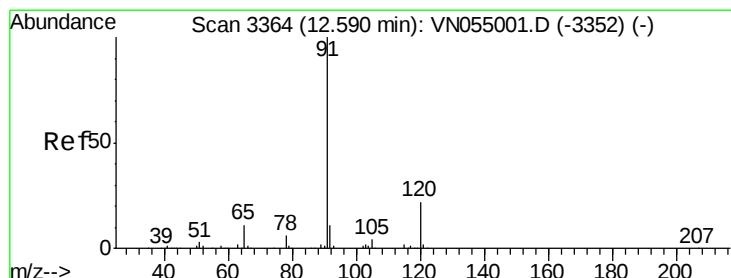
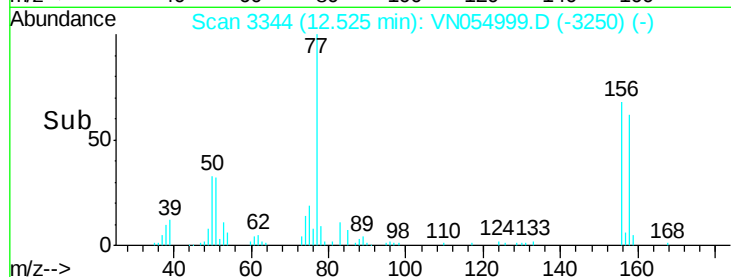
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



Time--> 12.45 12.50 12.55 12.60



#78

n-propylbenzene

Concen: 5.176 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN054999.D

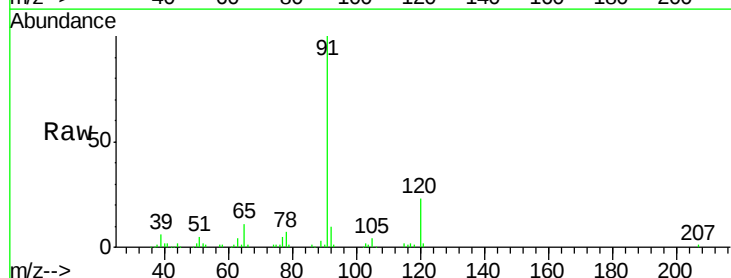
Acq: 12 Apr 2019 15:13

Tgt Ion: 91 Resp: 97903

Ion Ratio Lower Upper

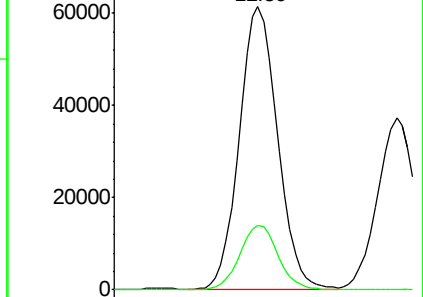
91 100

120 23.0 11.2 33.5

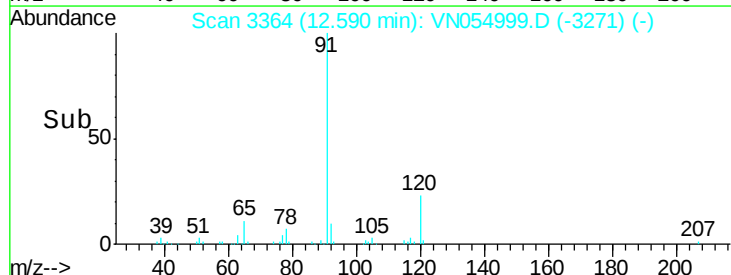


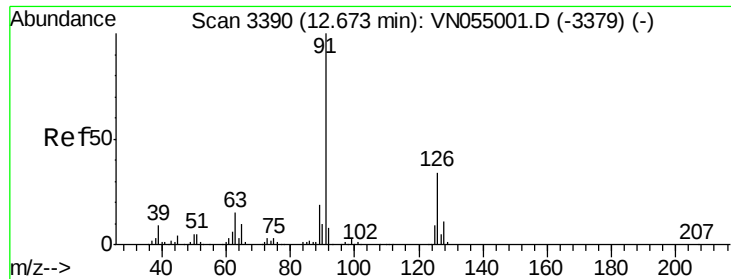
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time--> 12.55 12.60 12.65





#79

2-Chlorotoluene

Concen: 5.176 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 60675

Ion Ratio Lower Upper

91 100

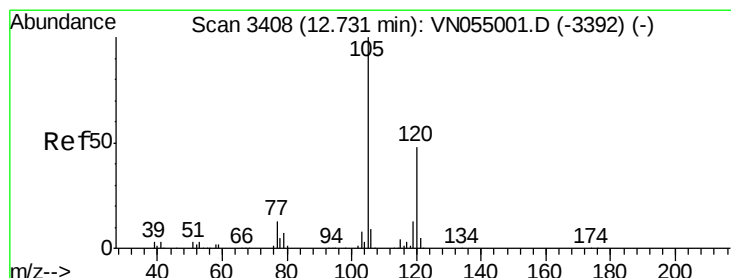
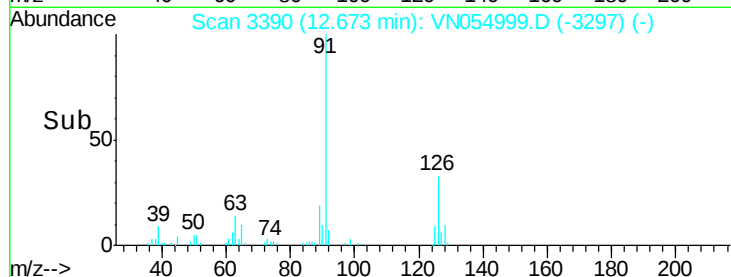
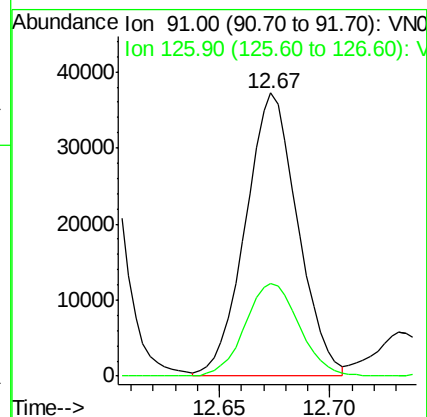
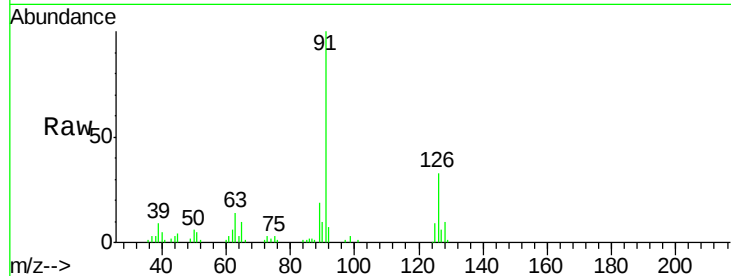
126 34.1 17.1 51.2

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 5.272 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN054999.D

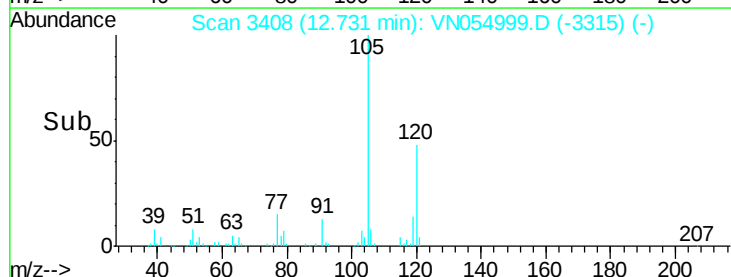
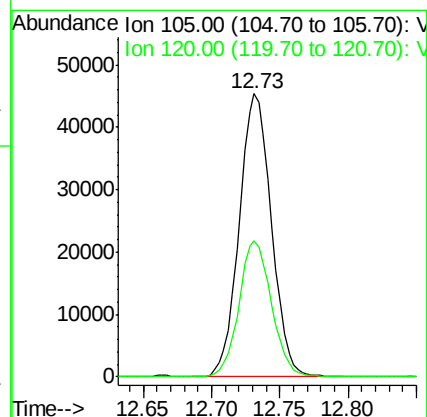
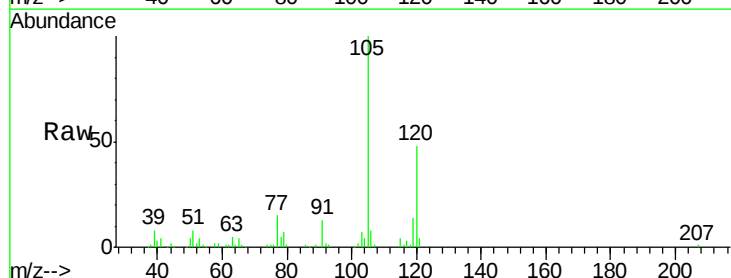
Acq: 12 Apr 2019 15:13

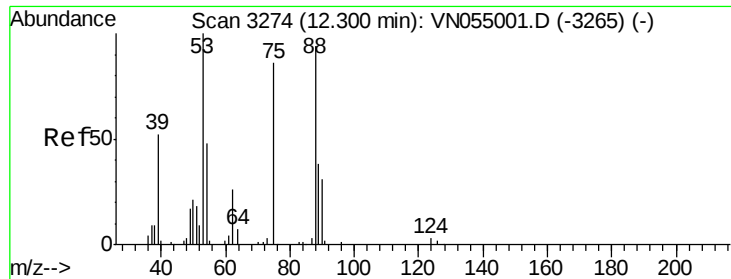
Tgt Ion: 105 Resp: 74266

Ion Ratio Lower Upper

105 100

120 48.5 24.3 72.8





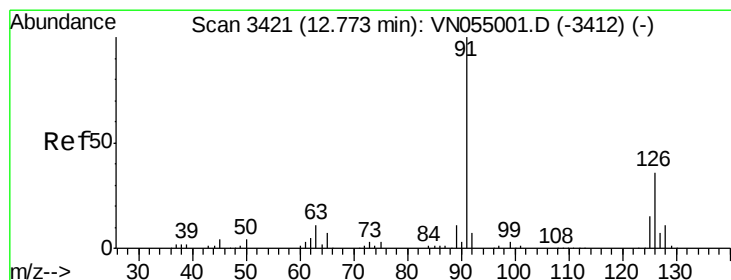
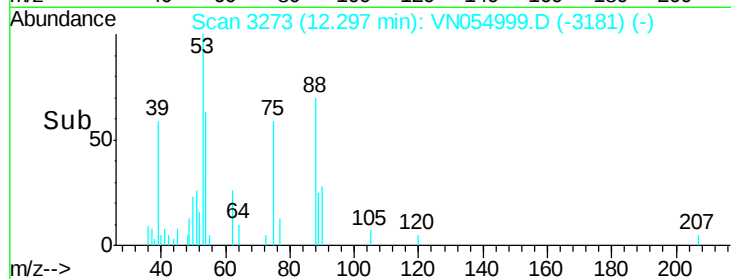
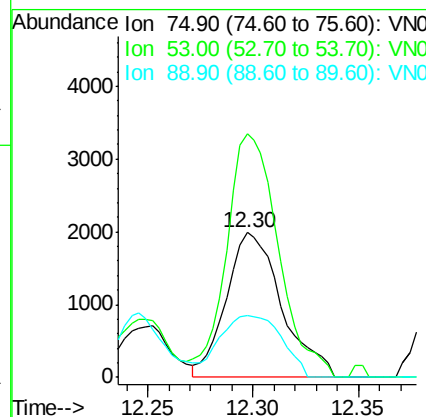
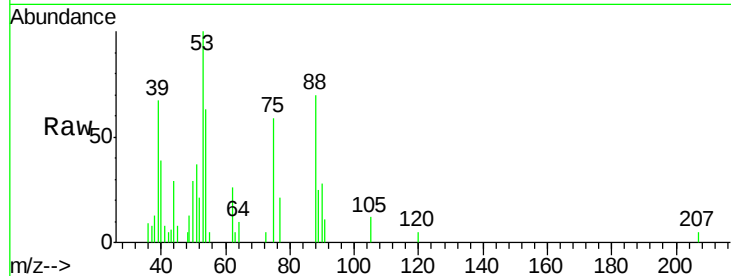
#81
trans-1,4-Dichloro-2-butene
Concen: 4.136 ug/l
RT: 12.30 min Scan# 3273
Delta R.T. -0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 75 Resp: 3646
Ion Ratio Lower Upper
75 100
53 157.5 96.3 144.5#
89 47.1 38.6 57.8

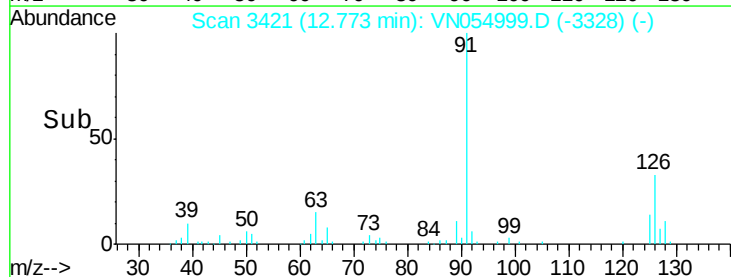
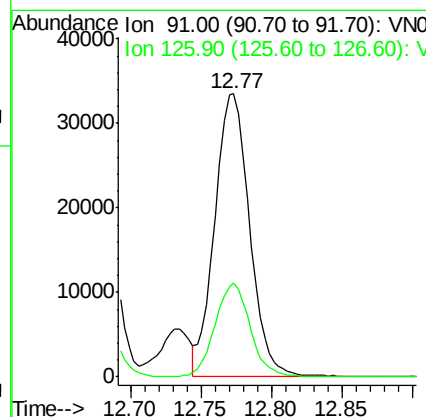
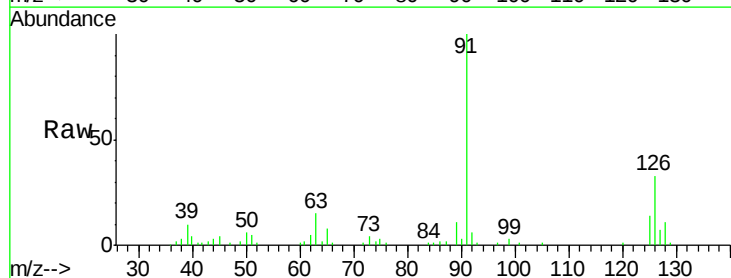
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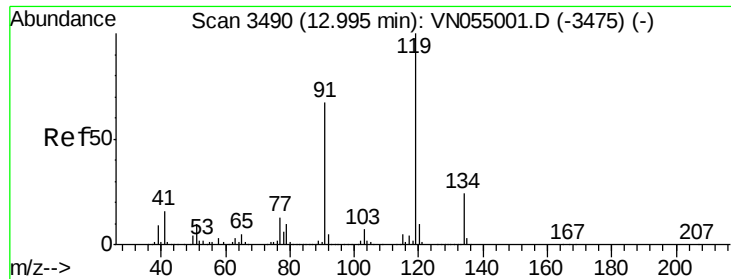
MMDadoda
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#82
4-Chlorotoluene
Concen: 5.209 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion: 91 Resp: 57751
Ion Ratio Lower Upper
91 100
126 33.0 16.4 49.2





#83

tert-Butylbenzene

Concen: 5.408 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

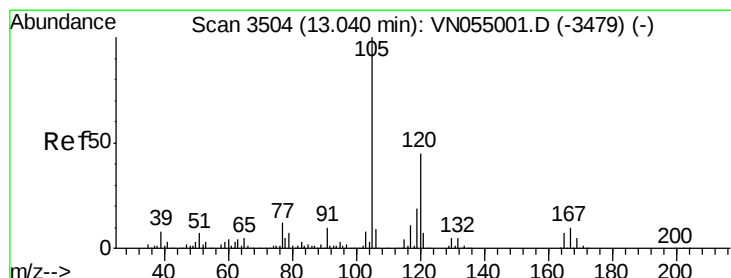
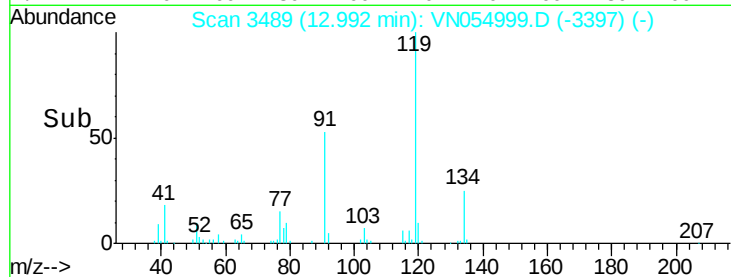
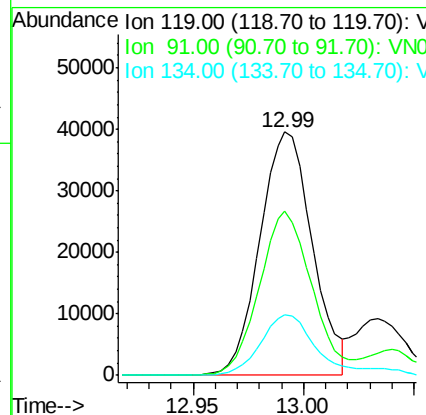
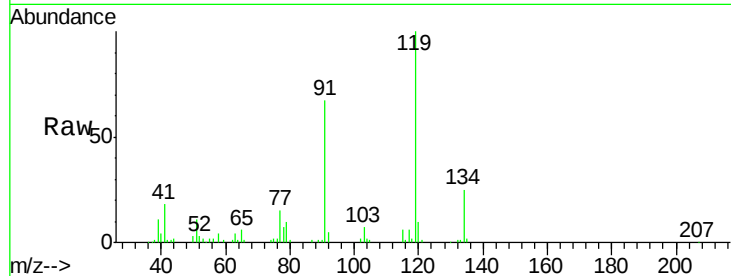
ClientSampleId :

VSTDIC005

Tot Ion:	119	Resp:	64969
Ion	Ratio	Lower	Upper
119	100		
91	67.5	33.3	99.8
134	27.6	12.3	36.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 5.194 ug/l

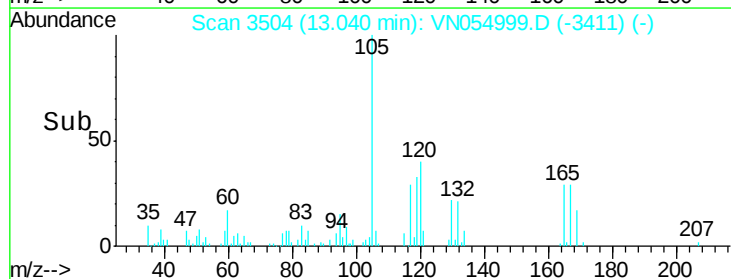
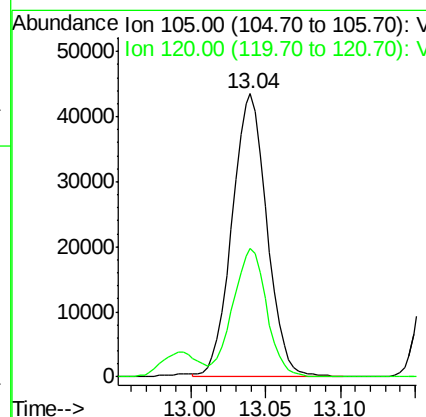
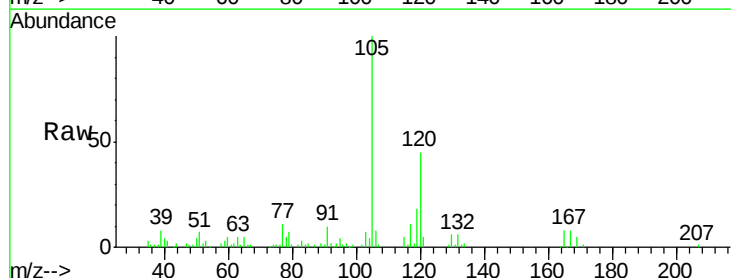
RT: 13.04 min Scan# 3504

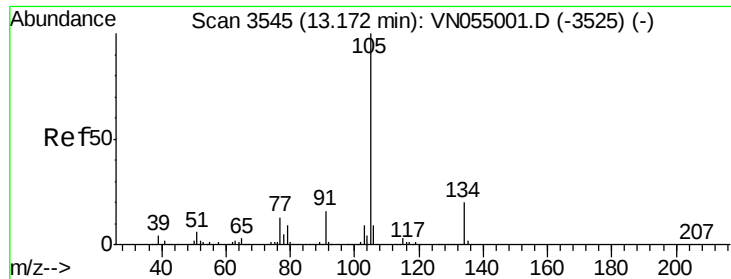
Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Tgt Ion:	105	Resp:	70730
Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.4	67.3





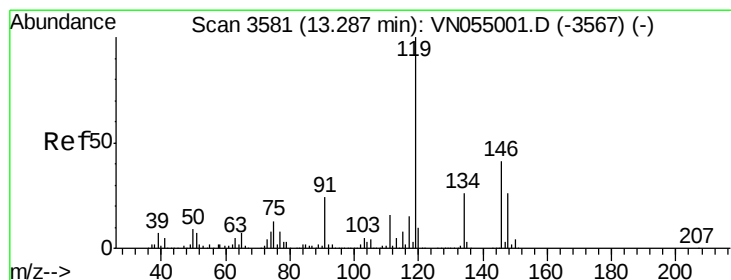
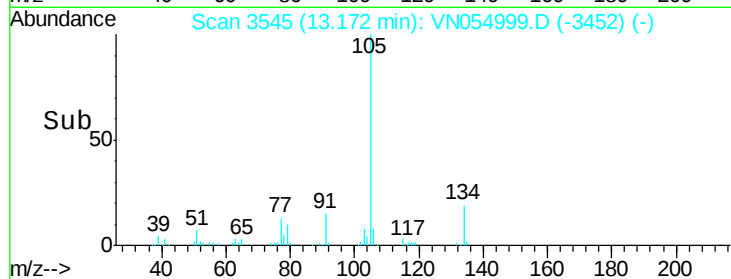
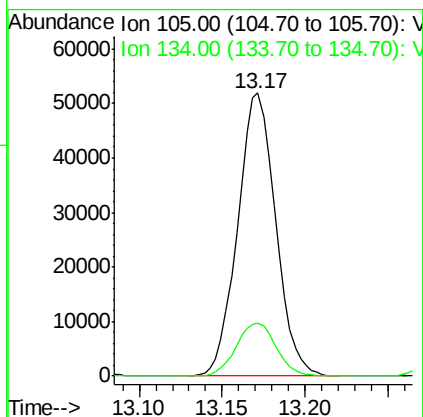
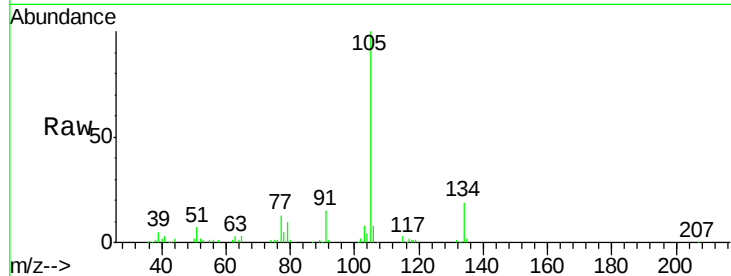
#85
 sec-Butylbenzene
 Concen: 5.321 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.3

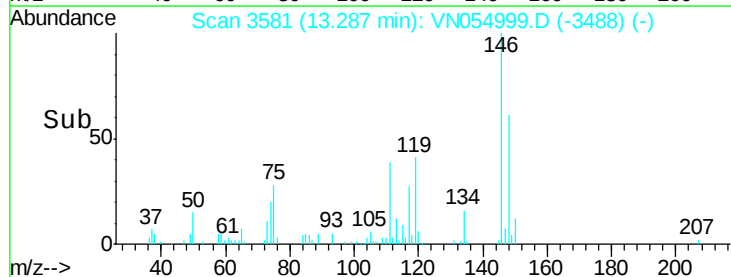
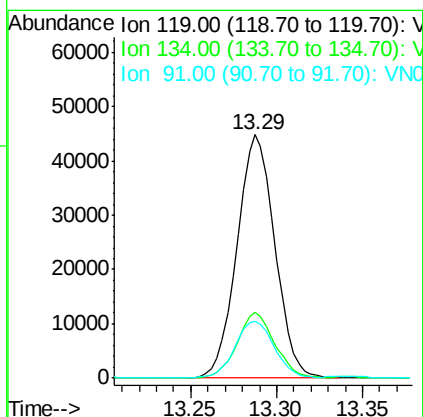
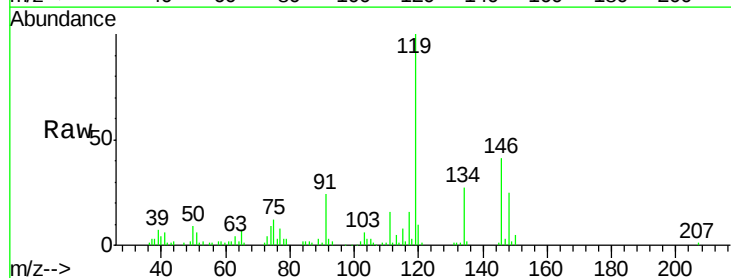
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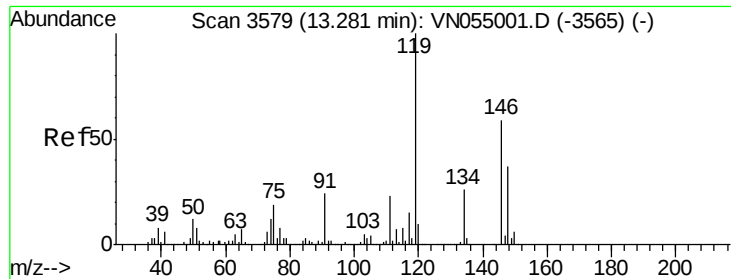
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#86
 p-Isopropyltoluene
 Concen: 5.127 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.2	39.5
91	24.4	11.7	35.1





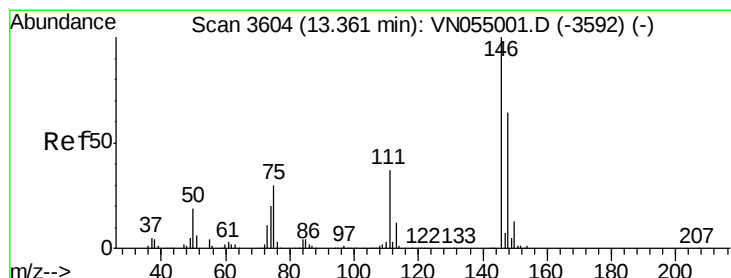
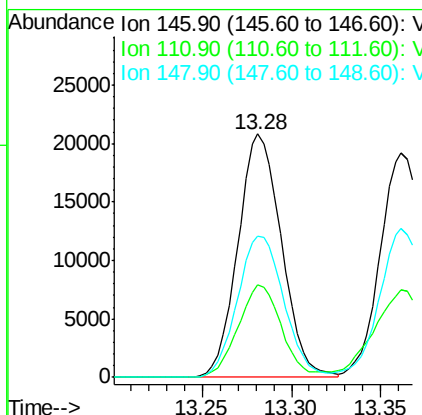
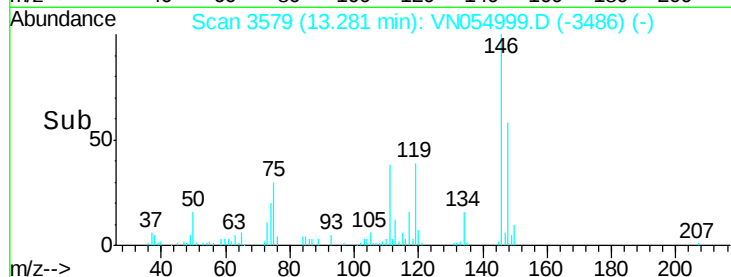
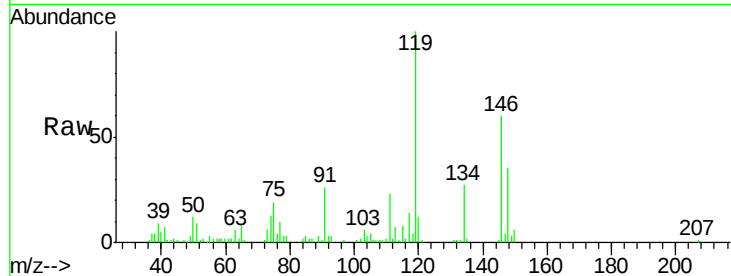
#87
 1,3-Dichlorobenzene
 Concen: 5.145 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.5	58.5
148	62.0	31.6	94.7

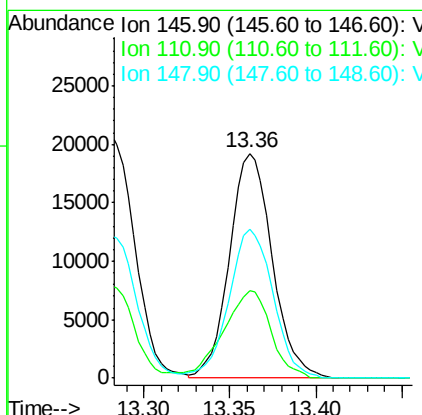
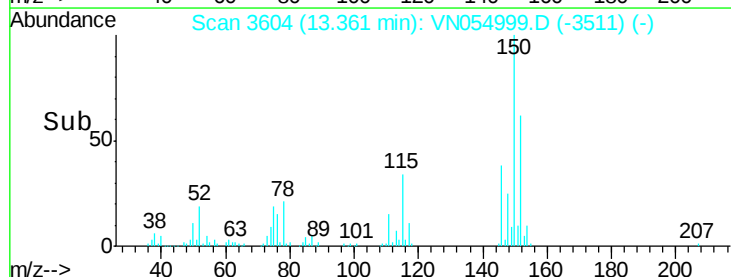
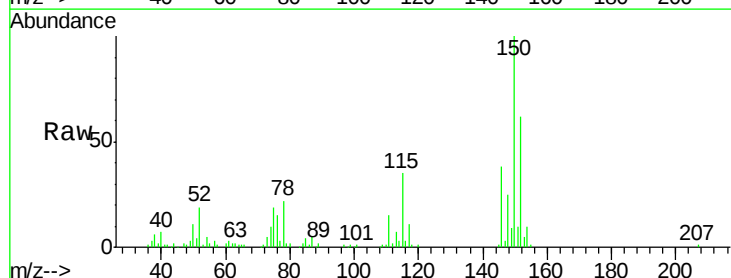
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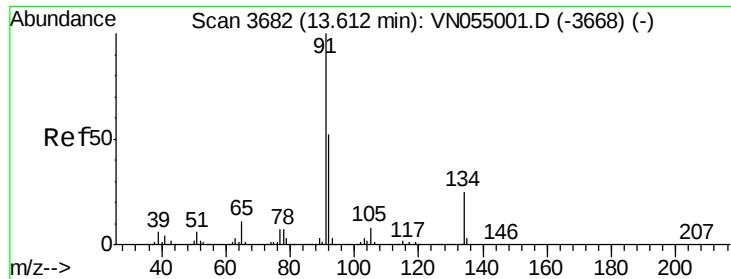
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 4/16/2019 1:57:59 PM



#88
 1,4-Dichlorobenzene
 Concen: 5.074 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.2	18.8	56.4
148	68.4	32.4	97.2





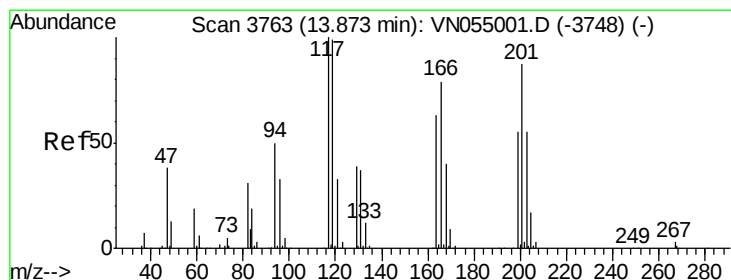
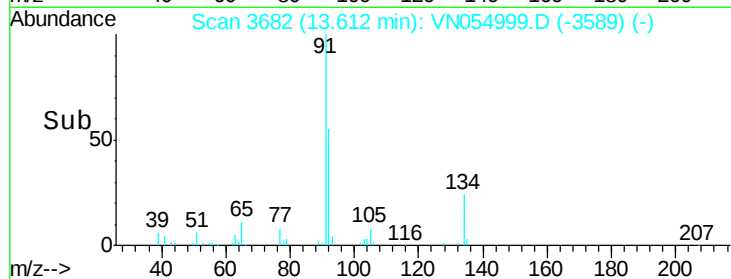
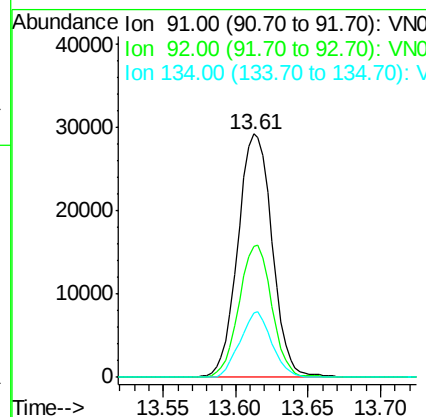
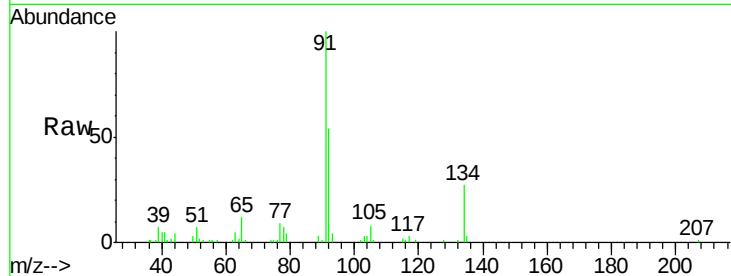
#89
n-Butylbenzene
Concen: 4.529 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.9	77.7
134	24.6	12.8	38.3

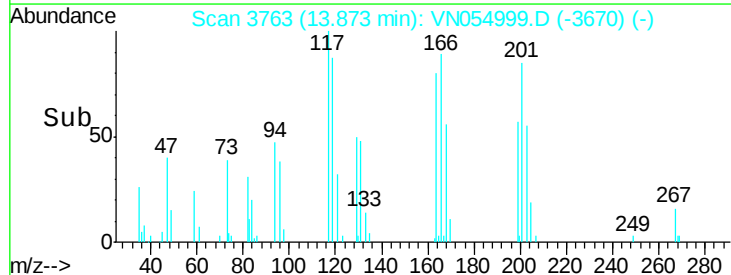
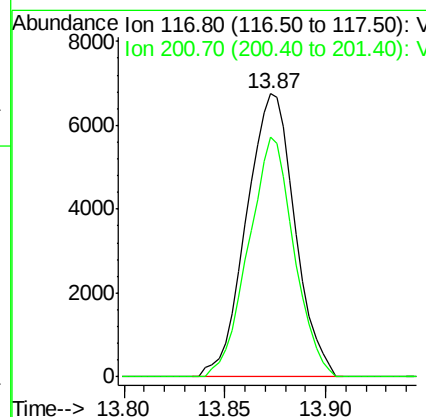
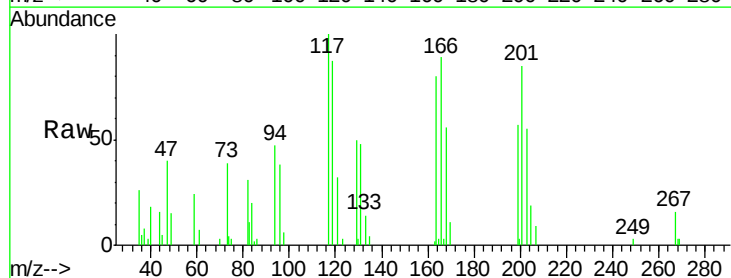
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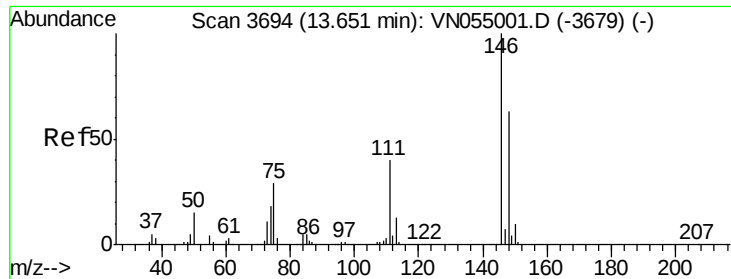
MMDadoda
4/16/2019 1:57:59 PM



#90
Hexachloroethane
Concen: 5.104 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN054999.D
Acq: 12 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.1	43.4	130.2





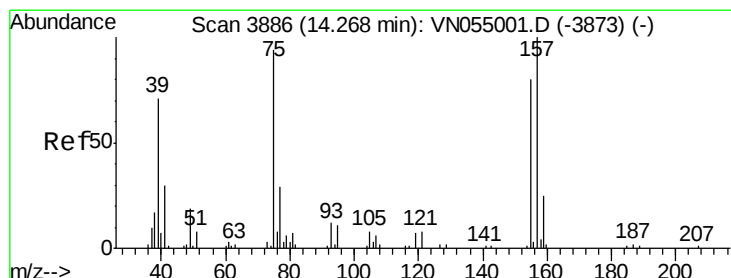
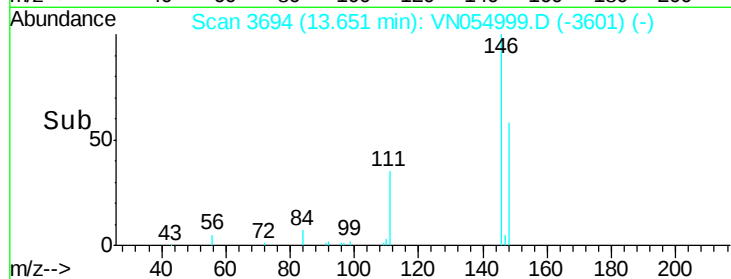
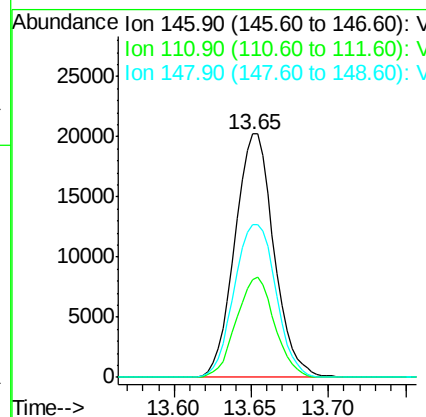
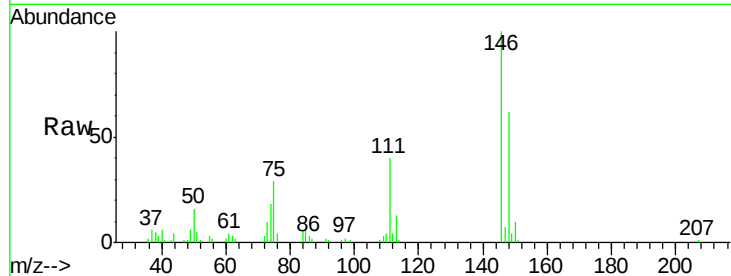
#91
 1,2-Dichlorobenzene
 Concen: 5.230 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	20.3	60.9
148	67.0	32.2	96.6

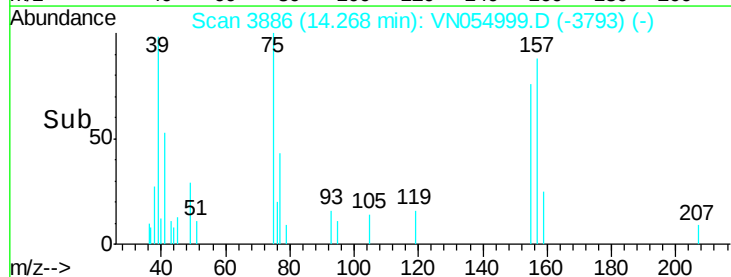
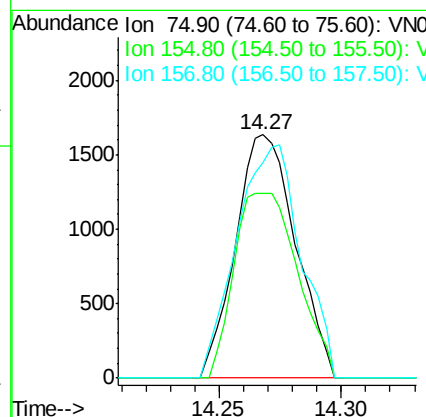
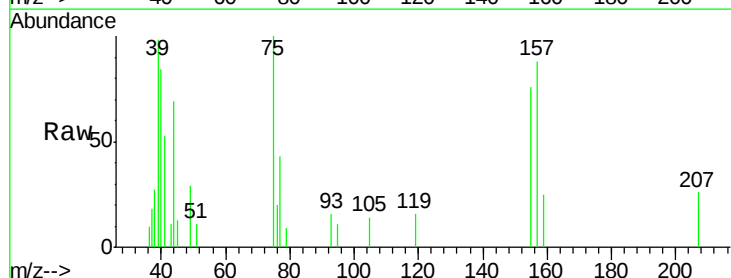
Manual Integrations
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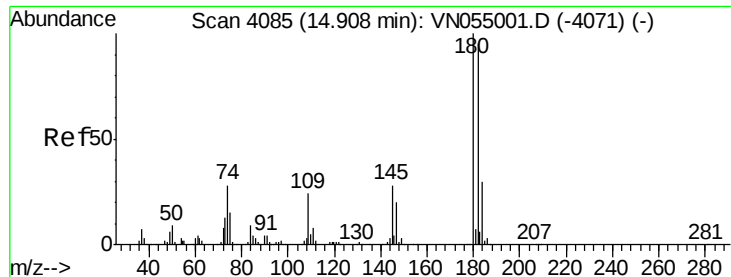
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.682 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.5	42.0	126.0
157	102.7	52.1	156.4





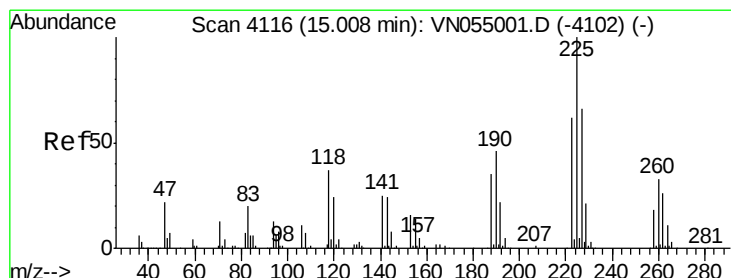
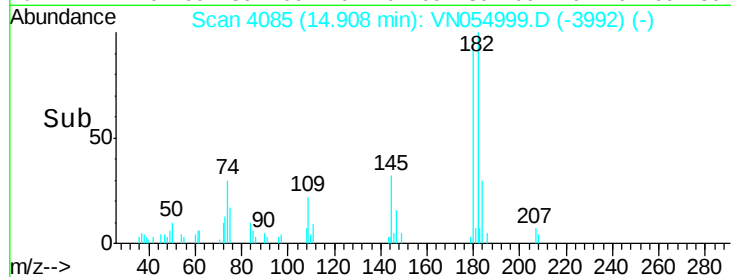
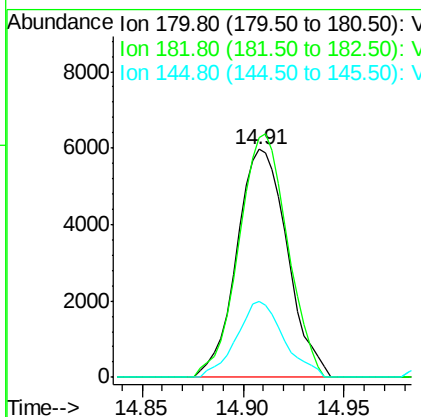
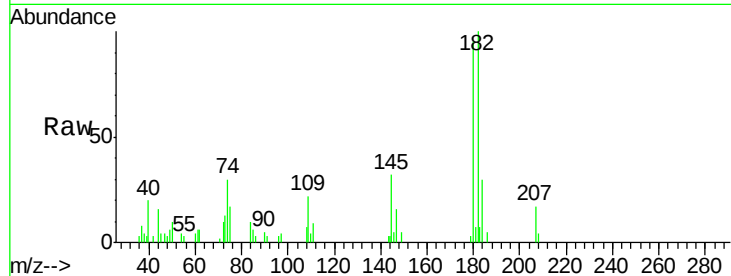
#93
 1,2,4-Trichlorobenzene
 Concen: 3.504 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	102.6	47.5	142.6	
145	31.0	14.2	42.8	

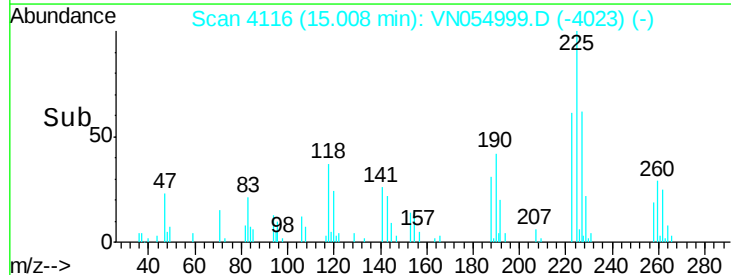
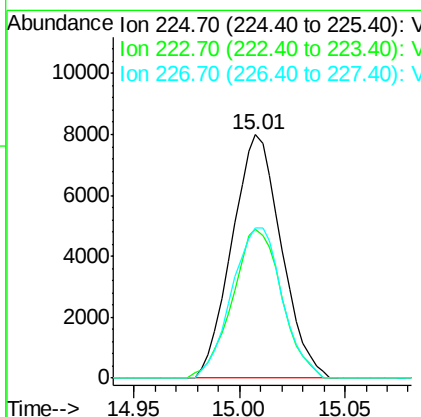
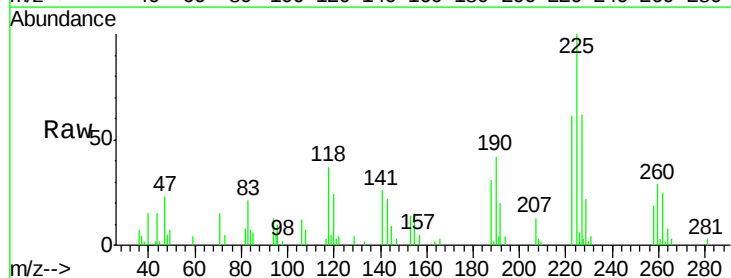
Manual Integrations
 APPROVED

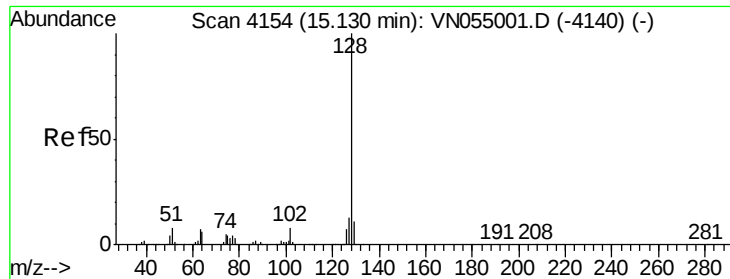
MMDadoda
 4/16/2019 1:57:59 PM



#94
 Hexachlorobutadiene
 Concen: 5.692 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN054999.D
 Acq: 12 Apr 2019 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.3	31.4	94.0	
227	63.2	32.6	97.7	





#95

Naphthalene

Concen: 3.564 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Instrument :

MSVOA_N

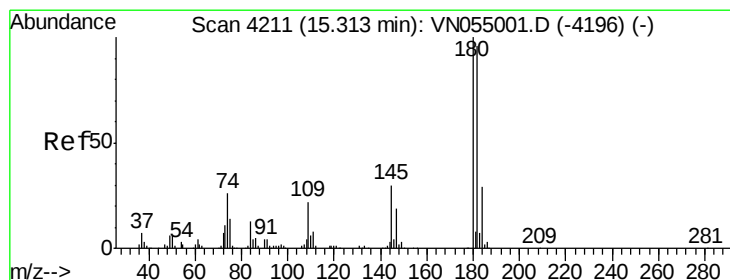
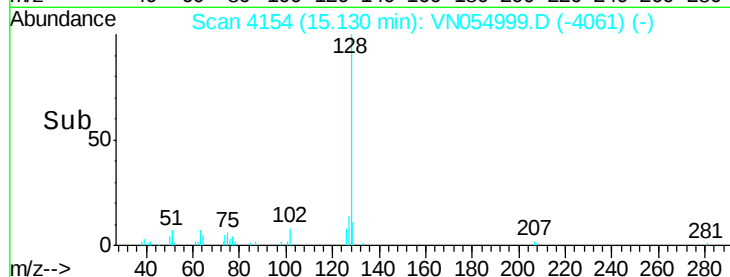
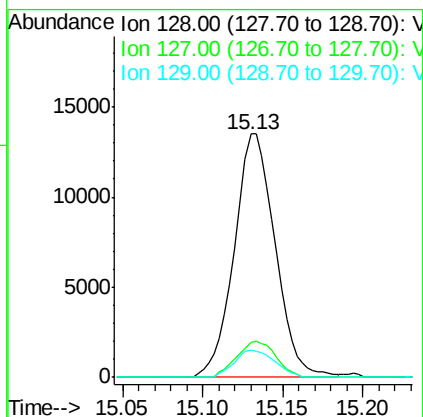
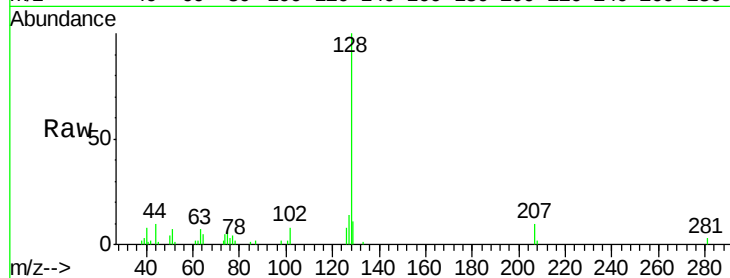
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	23517
Ion Ratio	Lower	Upper	
128	100		
127	14.2	10.1	15.1
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
4/16/2019 1:57:59 PM



#96

1,2,3-Trichlorobenzene

Concen: 3.995 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN054999.D

Acq: 12 Apr 2019 15:13

Tgt Ion:	180	Resp:	12402
Ion Ratio	Lower	Upper	
180	100		
182	97.4	48.0	144.0
145	30.4	15.3	45.9

