

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092719\
 Data File : VN058399.D
 Acq On : 27 Sep 2019 11:11
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/30/2019 10:18:24 AM

Quant Time: Sep 27 23:24:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 23:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	461970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	770650	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	664390	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	281267	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	0.00	65	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0d	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	5031	1.236	ug/l	88
3) Chloromethane	2.04	50	6638	1.675	ug/l	96
4) Vinyl Chloride	2.17	62	5818	1.436	ug/l	96
6) Chloroethane	2.69	64	3493	1.331	ug/l #	65
7) Trichlorofluoromethane	3.00	101	7081	1.281	ug/l	97
8) Diethyl Ether	3.39	74	2765	1.114	ug/l	67
9) 1,1,2-Trichlorotrifluoroet	3.73	101	4651m	1.185	ug/l	
12) 1,1-Dichloroethene	3.72	96	4411	1.280	ug/l	88
14) Allyl chloride	4.30	41	8125	1.248	ug/l	98
15) Acrylonitrile	4.97	53	10437	5.030	ug/l	93
16) Acetone	3.79	43	12046	5.382	ug/l	95
17) Carbon Disulfide	4.03	76	11259	1.809	ug/l	96
18) Methyl Acetate	4.31	43	7292	1.260	ug/l #	66
19) Methyl tert-butyl Ether	5.01	73	15618	1.082	ug/l	100
20) Methylene Chloride	4.54	84	6355	1.418	ug/l #	83
21) trans-1,2-Dichloroethene	5.02	96	4975	1.331	ug/l #	83
22) Diisopropyl ether	5.93	45	17836	1.124	ug/l	92
23) Vinyl Acetate	5.88	43	58502	5.241	ug/l	98
24) 1,1-Dichloroethane	5.82	63	9884	1.148	ug/l #	94
25) 2-Butanone	6.83	43	15597	5.157	ug/l #	83
26) 2,2-Dichloropropane	6.81	77	7923	1.087	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	5923	1.209	ug/l	81
28) Bromochloromethane	7.18	49	3903	0.998	ug/l #	87
29) Tetrahydrofuran	7.20	42	10193m	5.415	ug/l	
30) Chloroform	7.36	83	10455	1.142	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	7705	1.091	ug/l #	51
36) 1,1-Dichloropropene	7.78	75	7569	1.271	ug/l	95
37) Ethyl Acetate	6.91	43	5416	0.917	ug/l #	94
38) Carbon Tetrachloride	7.76	117	6112	1.045	ug/l	95
39) Methylcyclohexane	9.07	83	8973	1.395	ug/l	94
40) Benzene	8.03	78	22208	1.243	ug/l	95
41) Methacrylonitrile	7.16	41	2756	0.988	ug/l #	86
42) 1,2-Dichloroethane	8.11	62	8882	1.208	ug/l	94
43) Isopropyl Acetate	8.16	43	14239	1.298	ug/l #	73

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Trichloroethene	8.83	130	5475	1.250	ug/l	90
45) 1,2-Dichloropropane	9.11	63	5986	1.152	ug/l	99
46) Dibromomethane	9.20	93	3725	1.169	ug/l	88
47) Bromodichloromethane	9.39	83	6345	0.967	ug/l #	97
48) Methyl methacrylate	9.19	41	5603	1.127	ug/l	93
49) 1,4-Dioxane	9.19	88	1227	15.550	ug/l #	86
51) 4-Methyl-2-Pentanone	9.98	43	29268	5.080	ug/l	99
52) Toluene	10.15	92	15011	1.351	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	6407	0.940	ug/l #	88
54) cis-1,3-Dichloropropene	9.83	75	6960	0.923	ug/l #	83
55) 1,1,2-Trichloroethane	10.56	97	4821	1.011	ug/l #	90
56) Ethyl methacrylate	10.43	69	6581	0.950	ug/l #	89
57) 1,3-Dichloropropane	10.71	76	8402	1.017	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.69	63	12341	3.893	ug/l	97
59) 2-Hexanone	10.75	43	19884	4.658	ug/l	97
60) Dibromochloromethane	10.90	129	3655	0.797	ug/l	96
61) 1,2-Dibromoethane	11.00	107	4761	1.056	ug/l	98
64) Tetrachloroethene	10.62	164	4460	1.297	ug/l	95
65) Chlorobenzene	11.44	112	13864	1.151	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	4163	0.968	ug/l #	64
67) Ethyl Benzene	11.51	91	25168	1.210	ug/l	97
68) m/p-Xylenes	11.63	106	18620	2.373	ug/l	94
69) o-Xylene	11.95	106	8755	1.141	ug/l	92
70) Styrene	11.97	104	12947	0.990	ug/l	98
71) Bromoform	12.13	173	2122	0.784	ug/l #	98
73) Isopropylbenzene	12.25	105	21668	1.190	ug/l	99
74) N-amyl acetate	12.08	43	7510	0.998	ug/l #	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	6597	1.111	ug/l #	90
76) 1,2,3-Trichloropropane	12.55	75	5102m	0.999	ug/l	
77) Bromobenzene	12.53	156	5274	1.162	ug/l	94
78) n-propylbenzene	12.60	91	23646	1.142	ug/l	100
79) 2-Chlorotoluene	12.68	91	15467	1.202	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	17290	1.127	ug/l	98
82) 4-Chlorotoluene	12.78	91	15130	1.125	ug/l	98
83) tert-Butylbenzene	13.00	119	14511	1.071	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	17729	1.161	ug/l	98
85) sec-Butylbenzene	13.18	105	19740	1.114	ug/l	98
86) p-Isopropyltoluene	13.30	119	16001	1.018	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	9753	1.185	ug/l	95
88) 1,4-Dichlorobenzene	13.37	146	9223m	1.101	ug/l	
89) n-Butylbenzene	13.63	91	14894	1.013	ug/l	97
90) Hexachloroethane	13.88	117	2060	0.847	ug/l	91
91) 1,2-Dichlorobenzene	13.66	146	8398	1.026	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	895	0.839	ug/l #	56
93) 1,2,4-Trichlorobenzene	14.92	180	3722	0.723	ug/l	97
94) Hexachlorobutadiene	15.01	225	2664	1.068	ug/l	89
95) Naphthalene	15.14	128	9071	0.681	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	3263	0.675	ug/l	91

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MSVOA_N
ClientSampleId :
VSTDICC001

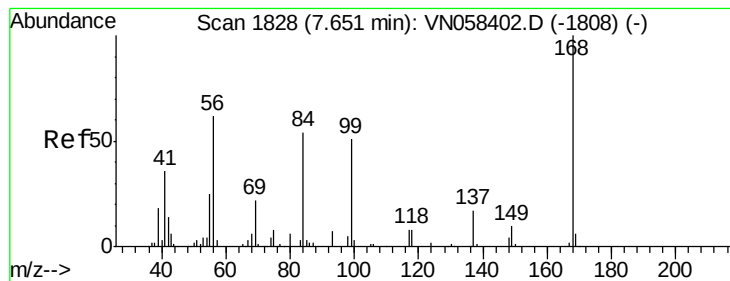
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:168 Resp: 461970

Ion Ratio Lower Upper

168 100

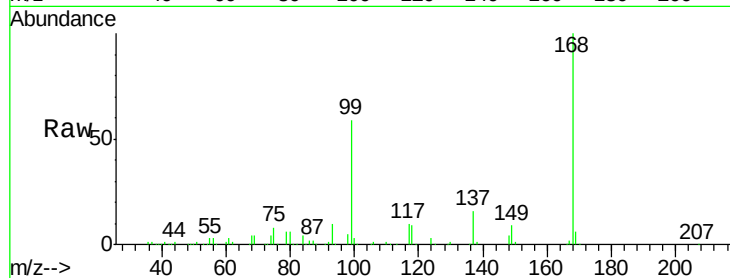
99 58.6 47.7 71.5

Manual Integrations

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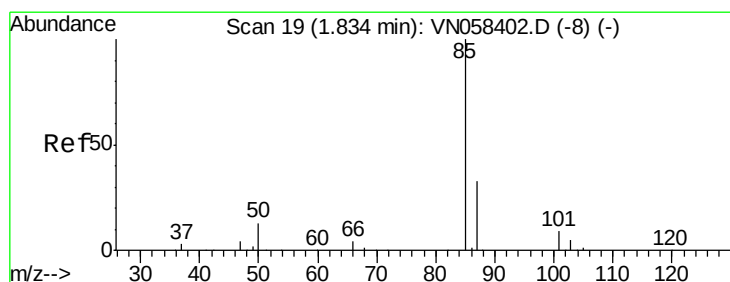
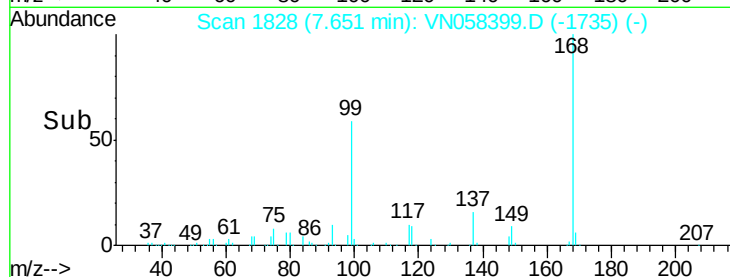
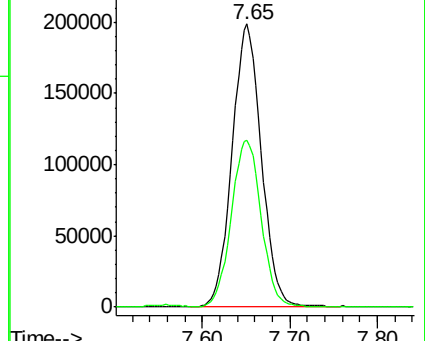
MMDadoda

9/30/2019 10:18:24 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 1.236 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058399.D

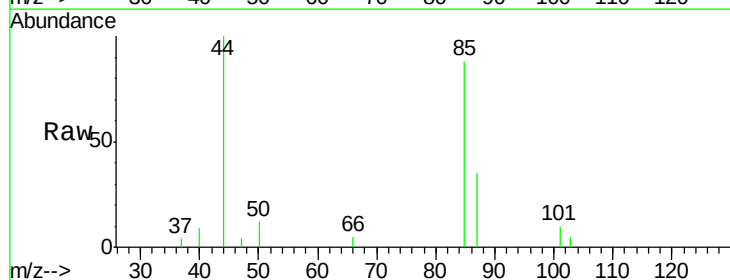
Acq: 27 Sep 2019 11:11

Tgt Ion: 85 Resp: 5031

Ion Ratio Lower Upper

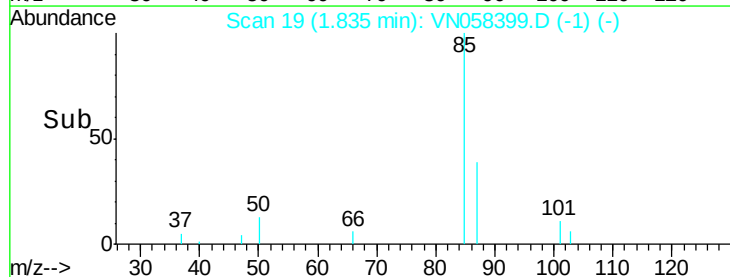
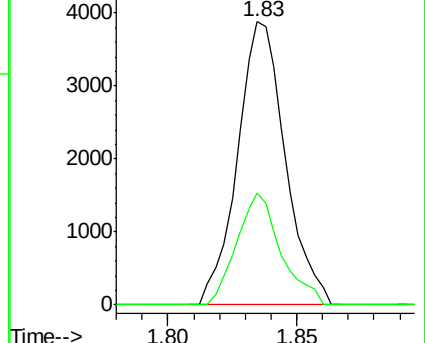
85 100

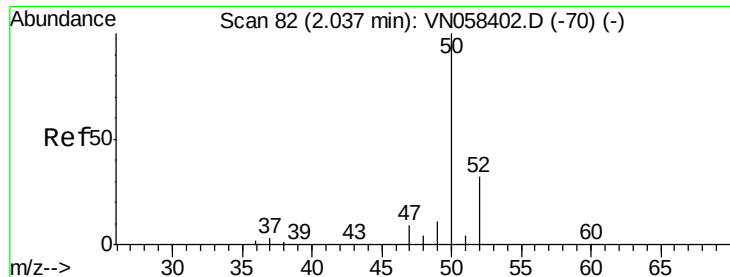
87 39.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 1.675 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 50 Resp: 6638

Ion Ratio Lower Upper

50 100

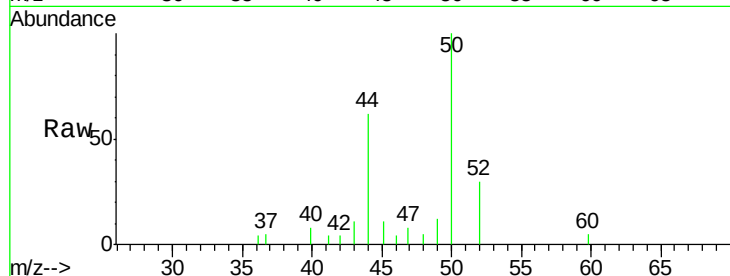
52 30.2 25.9 38.9

Manual Integrations

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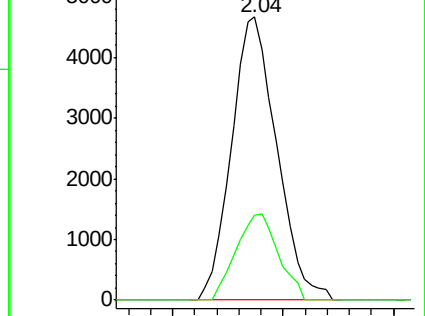
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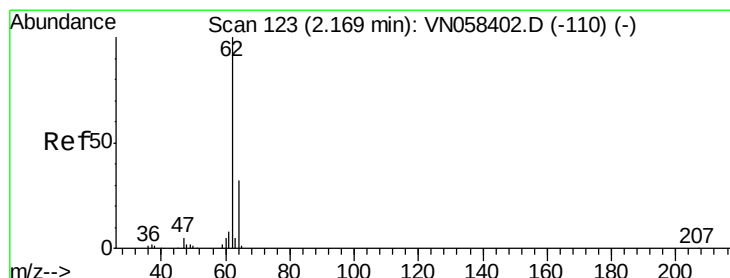
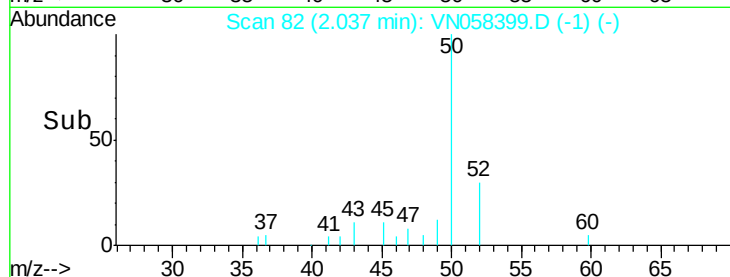


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 1.436 ug/l

RT: 2.17 min Scan# 122

Delta R.T. -0.00 min

Lab File: VN058399.D

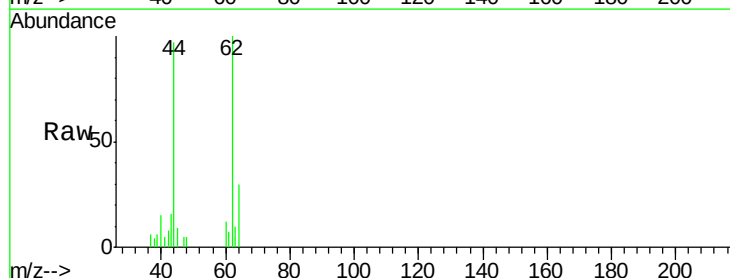
Acq: 27 Sep 2019 11:11

Tgt Ion: 62 Resp: 5818

Ion Ratio Lower Upper

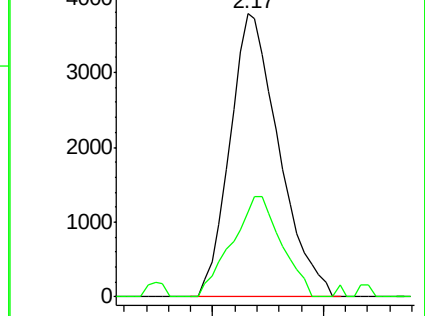
62 100

64 29.9 25.5 38.3

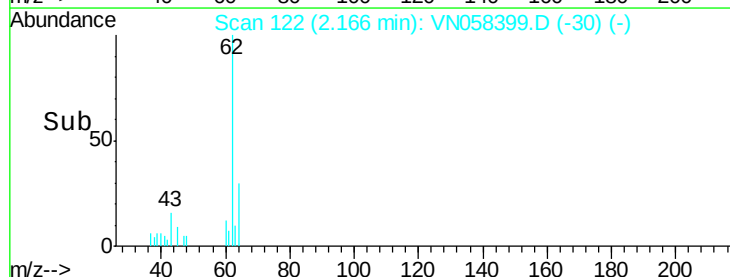


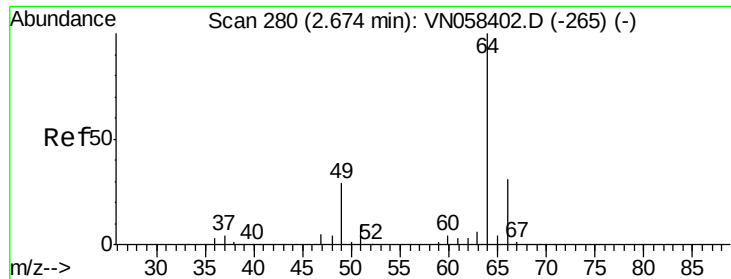
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#6

Chloroethane

Concen: 1.331 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 3493

Ion Ratio Lower Upper

64 100

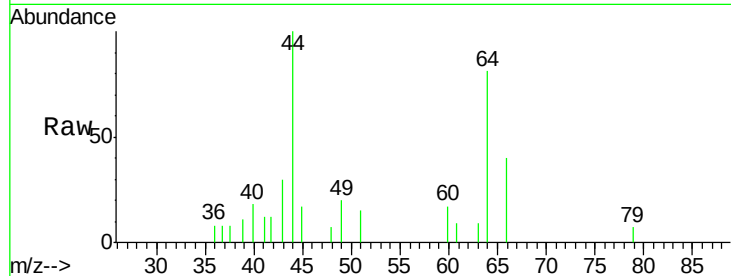
66 49.8 24.4 36.6#

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Abundance Ion 63.90 (63.60 to 64.60): VN058399.D (-265) (-)

Ion 65.90 (65.60 to 66.60): VN058399.D (-265) (-)

2.69

1500

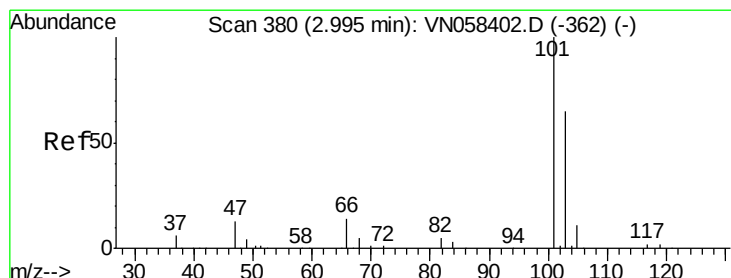
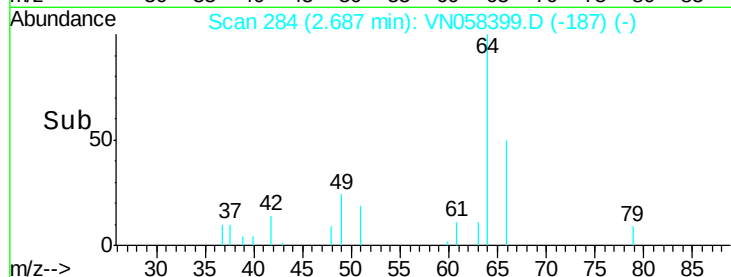
1000

500

0

2.65 2.70

Time-->



#7

Trichlorofluoromethane

Concen: 1.281 ug/l

RT: 3.00 min Scan# 382

Delta R.T. 0.01 min

Lab File: VN058399.D

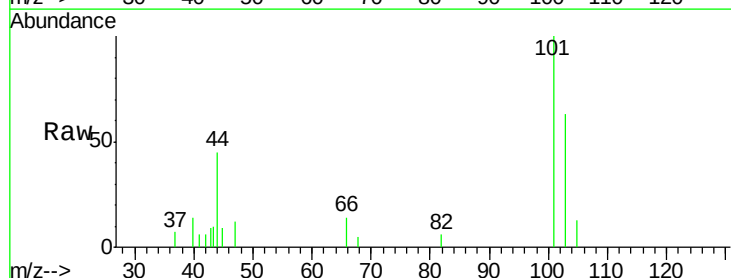
Acq: 27 Sep 2019 11:11

Tgt Ion: 101 Resp: 7081

Ion Ratio Lower Upper

101 100

103 63.3 52.3 78.5



Abundance Ion 100.90 (100.60 to 101.60): VN058399.D (-362) (-)

Ion 102.80 (102.50 to 103.50): VN058399.D (-362) (-)

3.00

3000

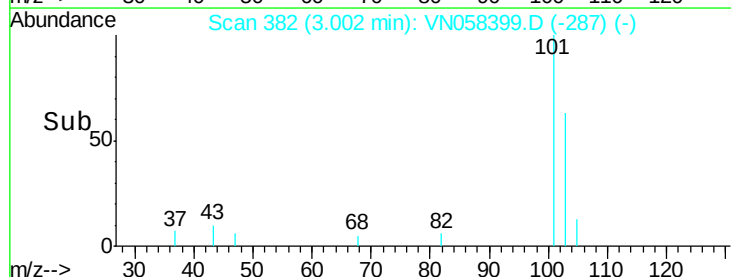
2000

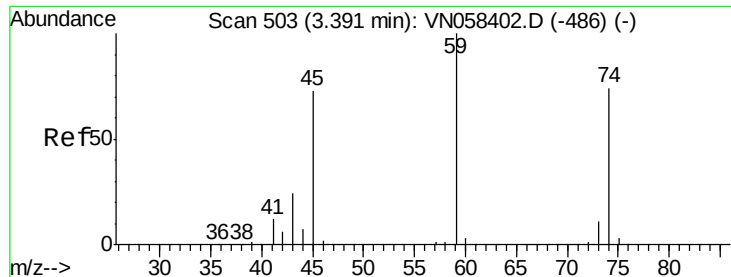
1000

0

2.95 3.00 3.05

Time-->





#8

Diethyl Ether

Concen: 1.114 ug/l

RT: 3.39 min Scan# 502

Delta R.T. -0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 74 Resp: 2765

Ion Ratio Lower Upper

74 100

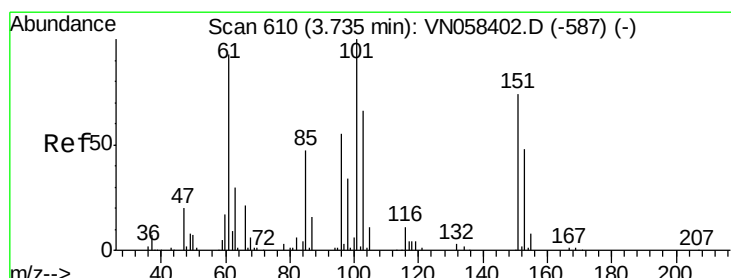
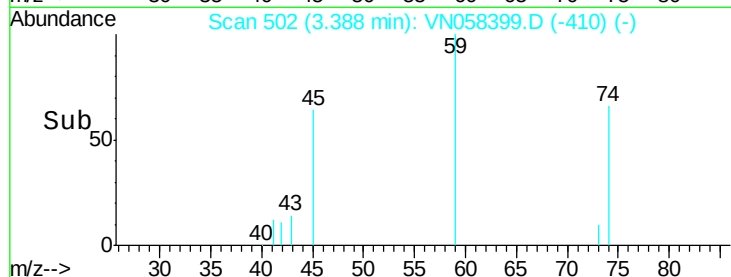
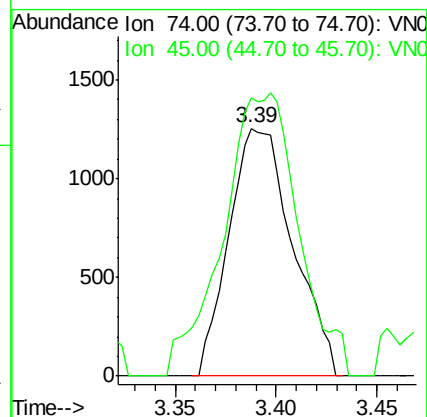
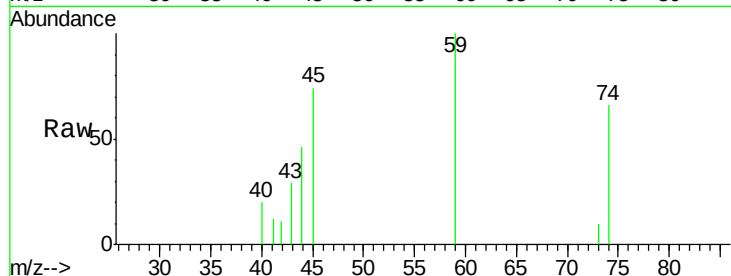
45 134.8 50.5 151.6

Manual Integrations

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#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.185 ug/l m

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

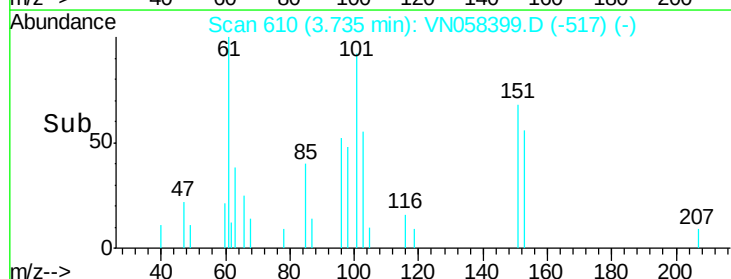
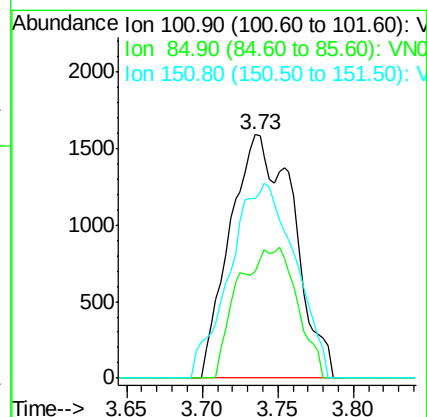
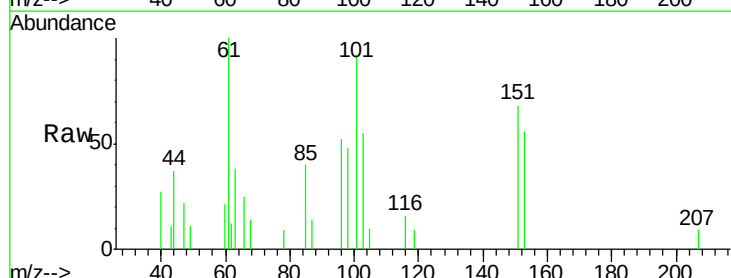
Tgt Ion: 101 Resp: 4651

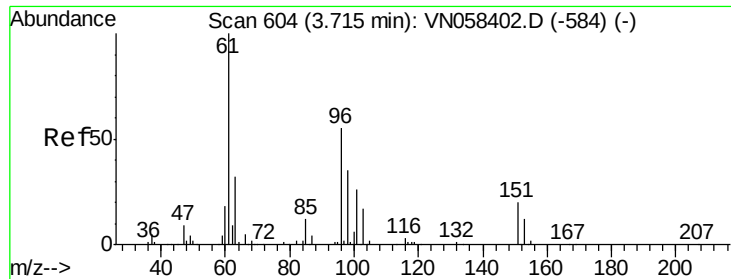
Ion Ratio Lower Upper

101 100

85 49.7 36.7 55.1

151 81.9 59.4 89.0





#12

1,1-Dichloroethene

Concen: 1.280 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

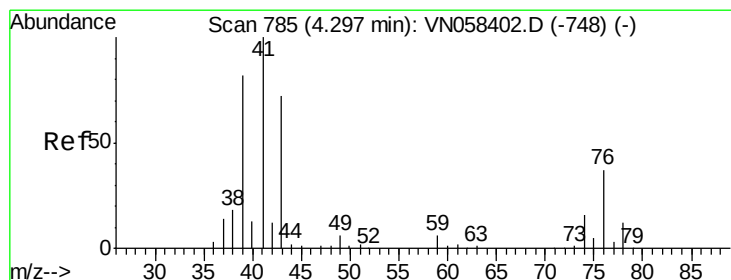
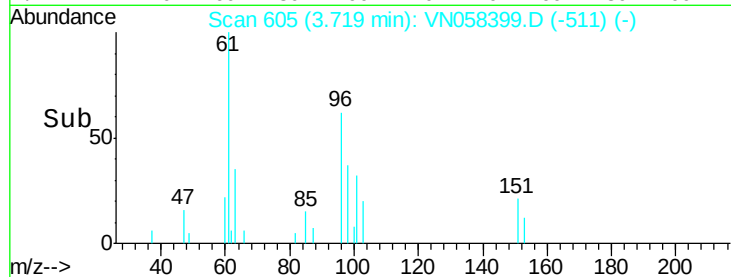
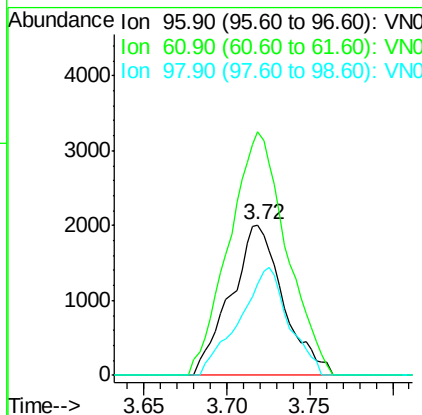
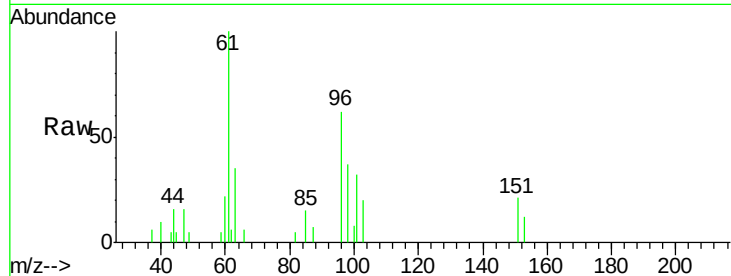
ClientSampled :

VSTDIC001

Tot Ion:	96	Resp:	4411
Ion	Ratio	Lower	Upper
96	100		
61	161.6	146.7	220.1
98	60.6	51.3	76.9

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#14

Allyl chloride

Concen: 1.248 ug/l

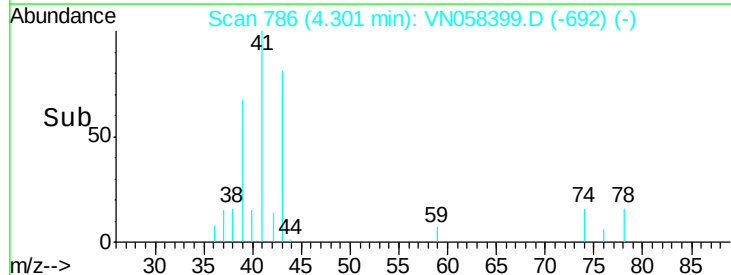
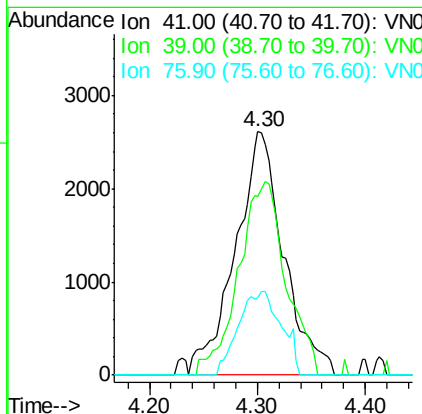
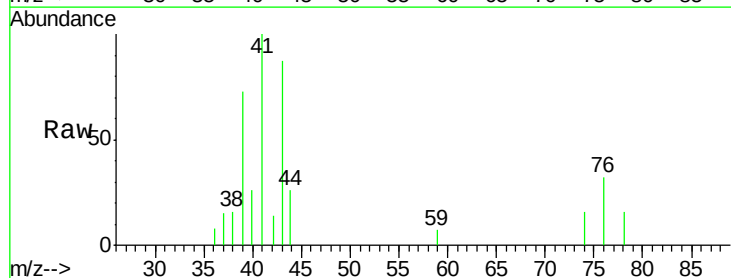
RT: 4.30 min Scan# 786

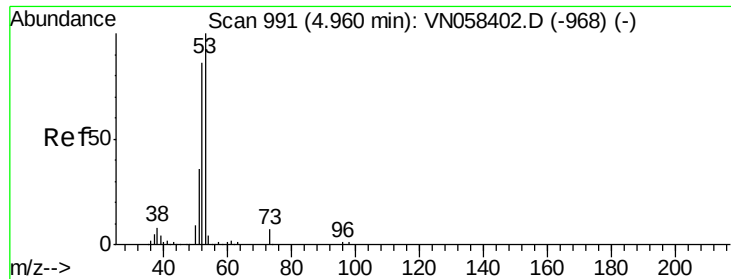
Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Tgt Ion:	41	Resp:	8125
Ion	Ratio	Lower	Upper
41	100		
39	77.7	62.3	93.5
76	30.5	26.9	40.3





#15

Acrylonitrile

Concen: 5.030 ug/l

RT: 4.97 min Scan# 993

Delta R.T. 0.01 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

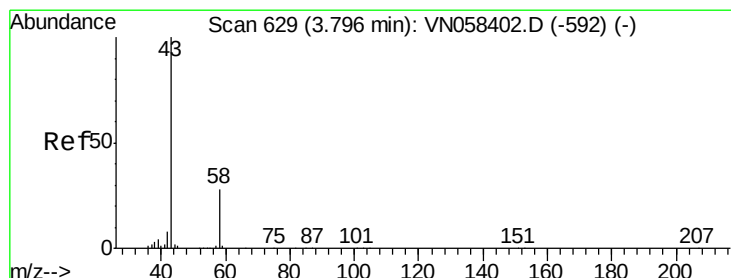
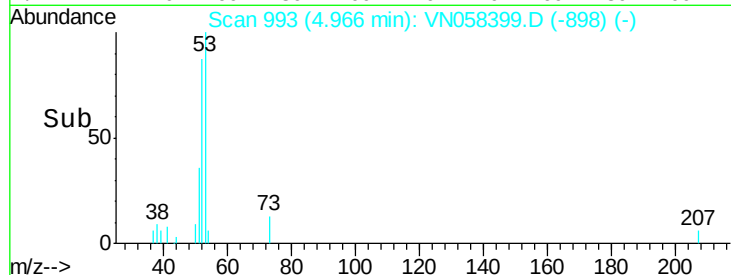
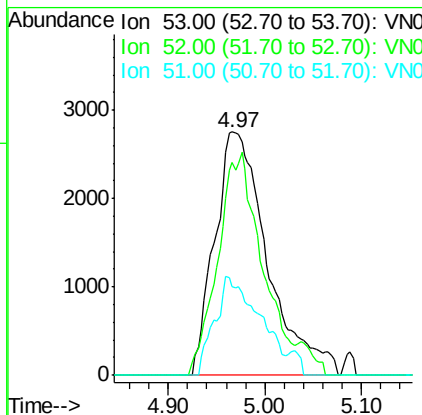
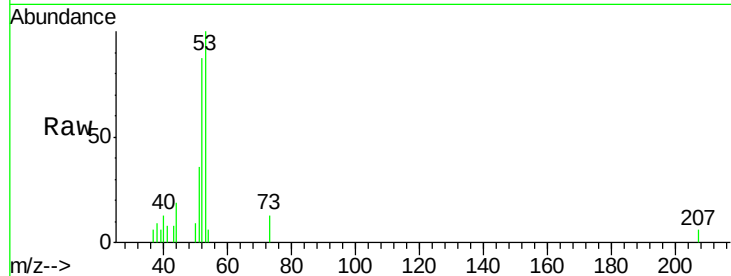
ClientSampleId :

VSTDIC001

Tot Ion:	53	Resp:	10437
Ion Ratio	Lower	Upper	
53	100		
52	76.2	66.6	100.0
51	34.1	29.8	44.8

Manual Integrations
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#16

Acetone

Concen: 5.382 ug/l

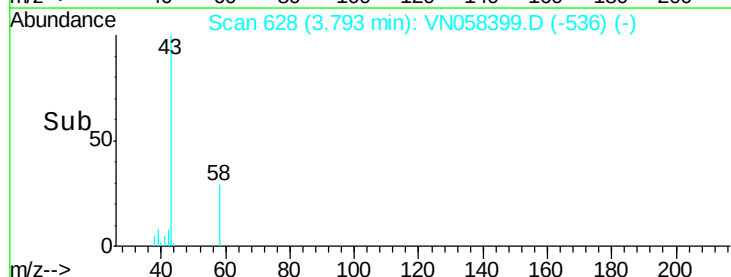
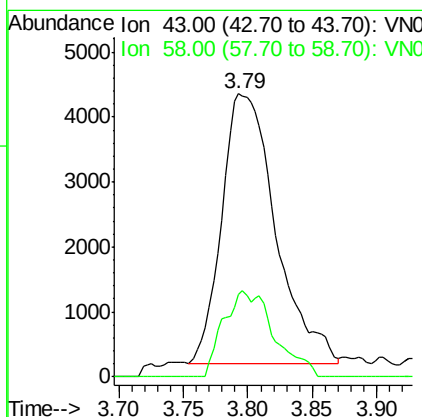
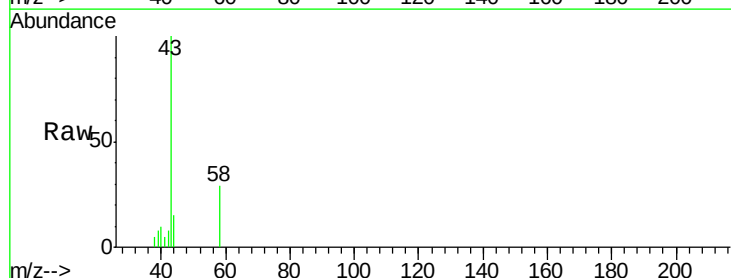
RT: 3.79 min Scan# 628

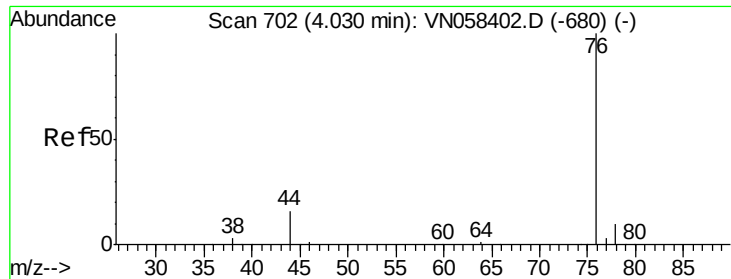
Delta R.T. -0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Tgt Ion:	43	Resp:	12046
Ion Ratio	Lower	Upper	
43	100		
58	30.6	22.4	33.6





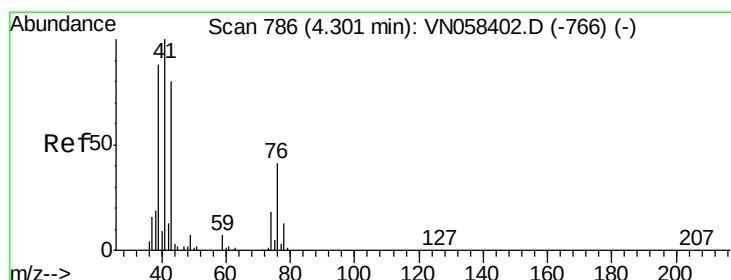
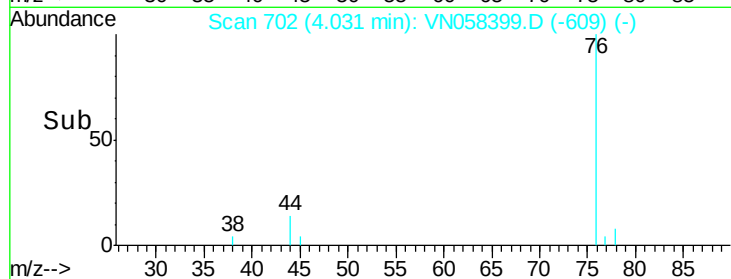
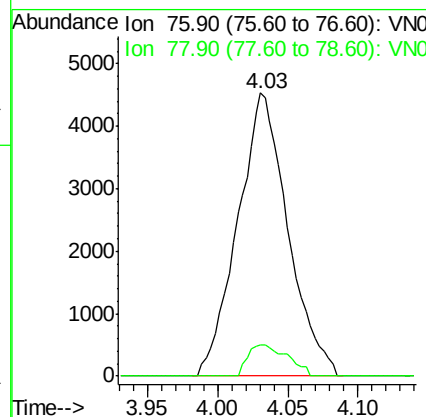
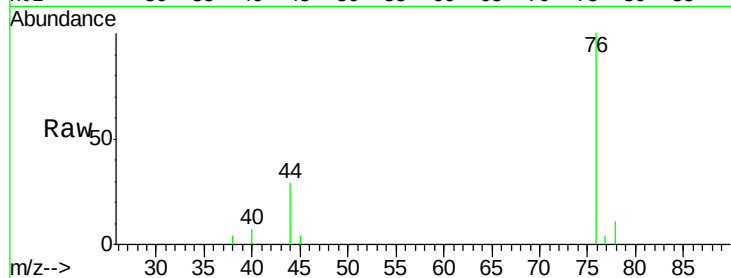
#17
Carbon Disulfide
Concen: 1.809 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	76	Resp	11259
Ion	Ratio	Lower	Upper
76	100		
78	11.0	7.7	11.5

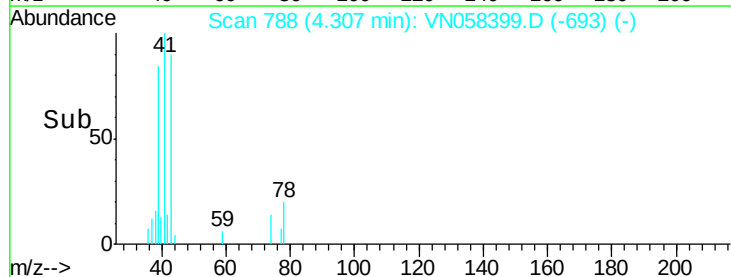
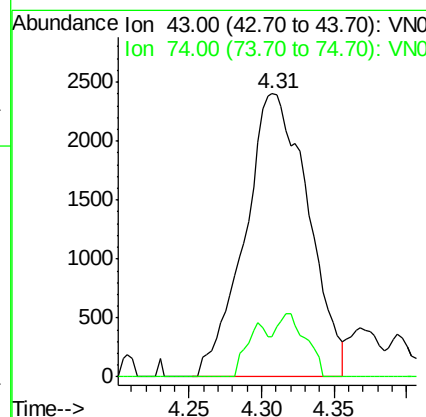
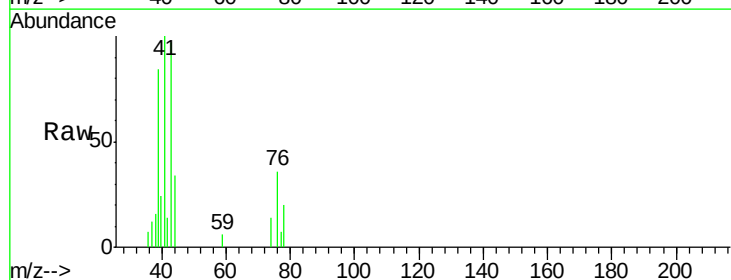
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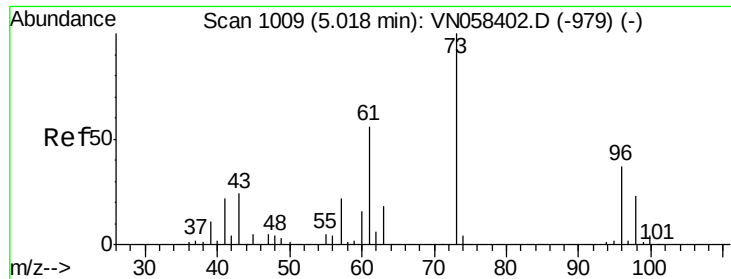
MMDadoda
9/30/2019 10:18:24 AM



#18
Methyl Acetate
Concen: 1.260 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion	43	Resp	7292
Ion	Ratio	Lower	Upper
43	100		
74	6.2	18.0	27.0#





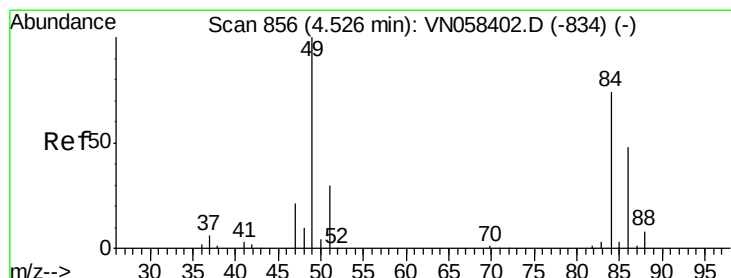
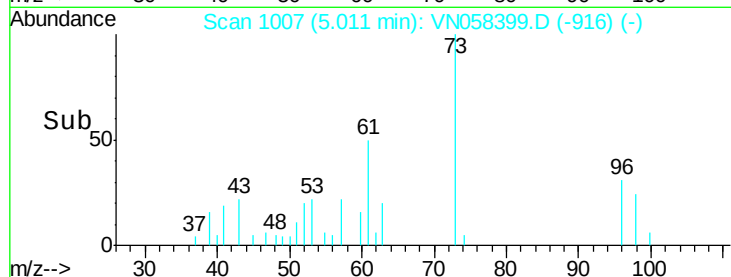
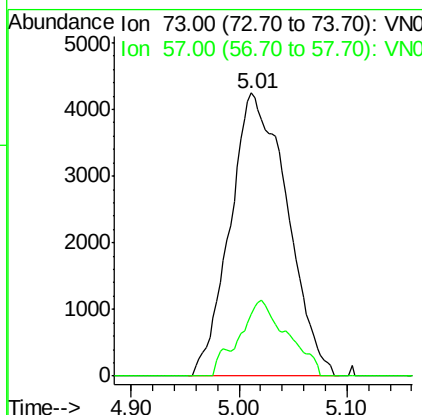
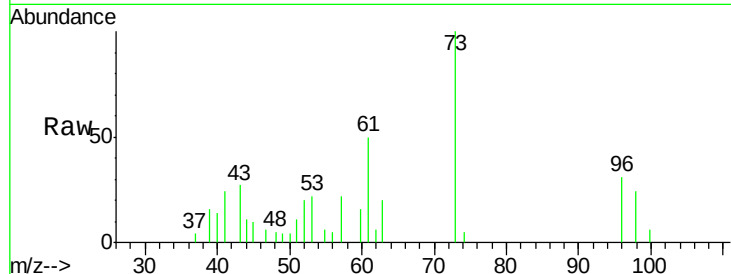
#19
Methyl tert-butyl Ether
Concen: 1.082 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 73 Resp: 15618
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

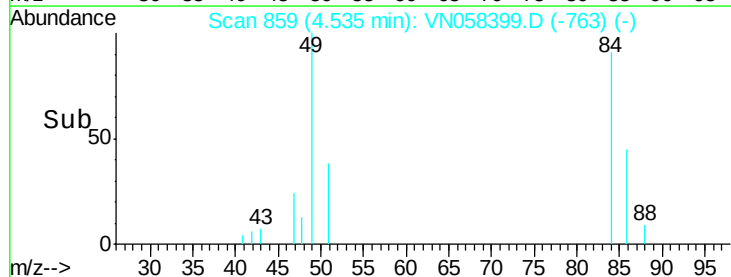
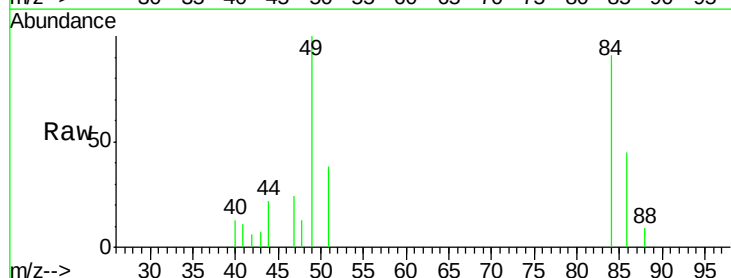
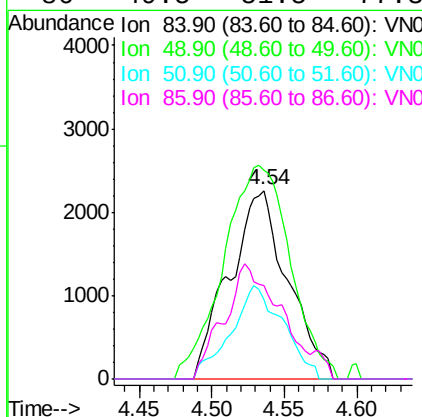
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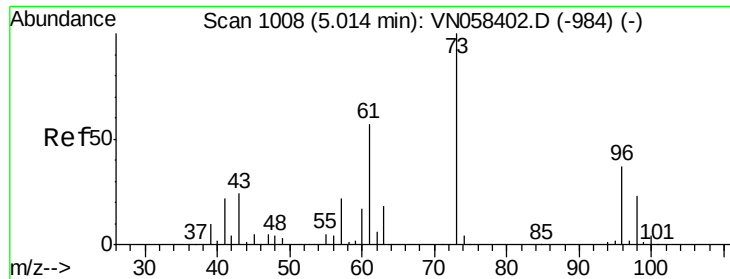
MMDadoda
9/30/2019 10:18:24 AM



#20
Methylene Chloride
Concen: 1.418 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.01 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion: 84 Resp: 6355
Ion Ratio Lower Upper
84 100
49 110.3 107.9 161.9
51 41.9 32.8 49.2
86 49.5 51.5 77.3#





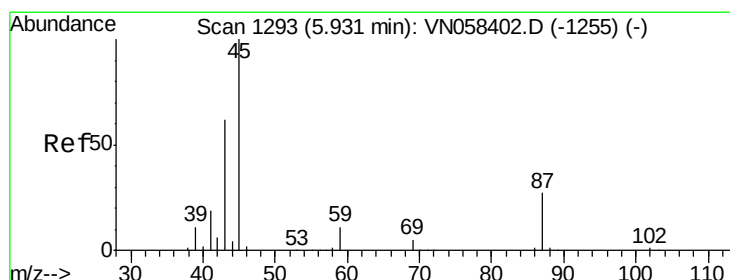
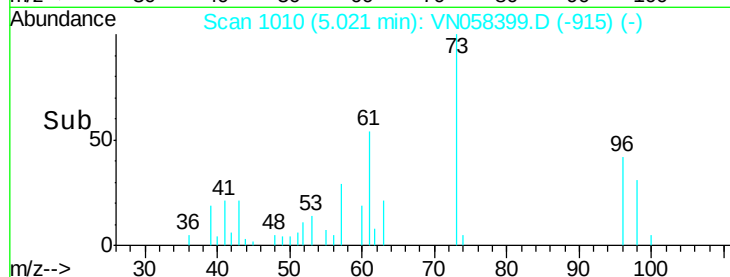
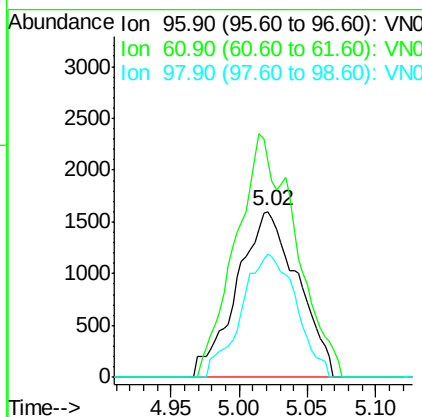
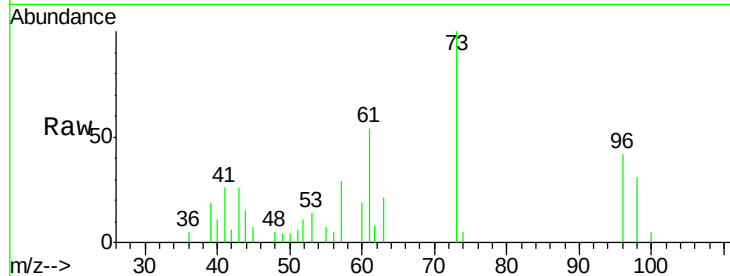
#21
trans-1,2-Dichloroethene
Concen: 1.331 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.7	121.9	182.9
98	74.0	49.3	73.9#

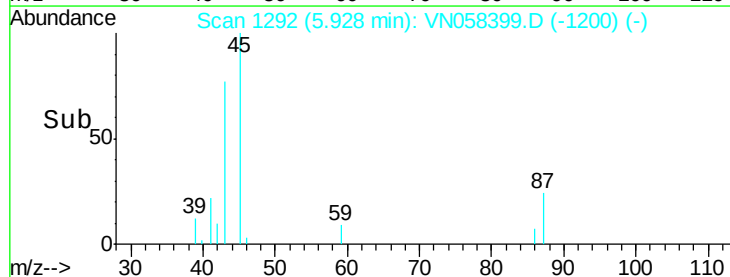
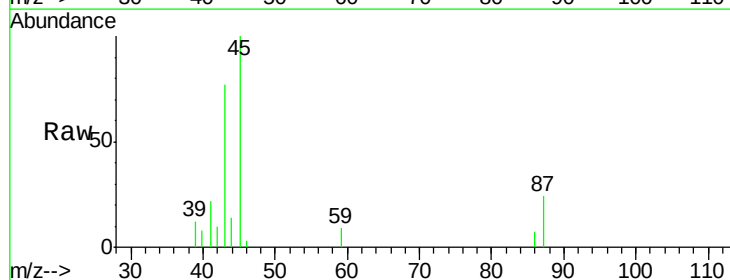
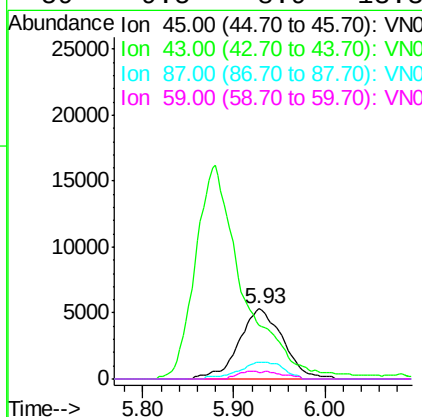
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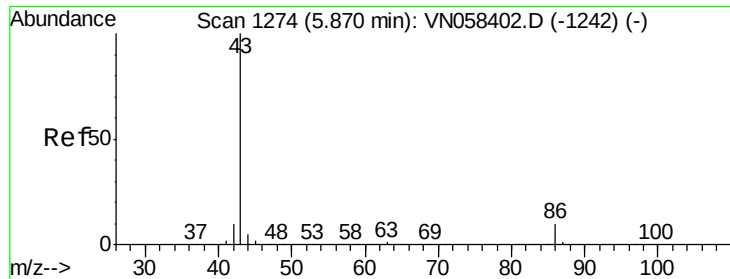
MMDadoda
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#22
Diisopropyl ether
Concen: 1.124 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.9	49.7	74.5
87	23.7	21.5	32.3
59	9.5	8.9	13.3





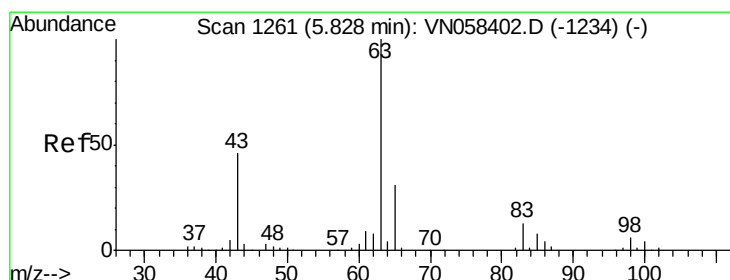
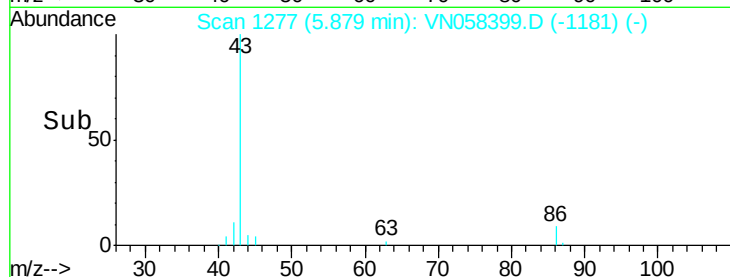
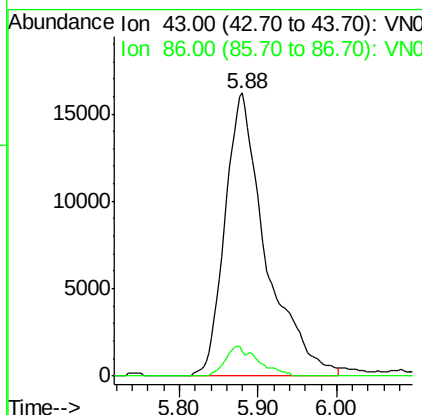
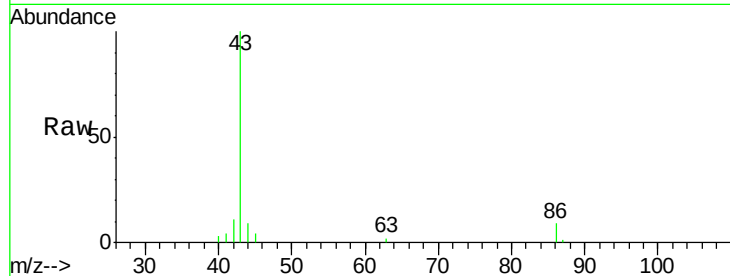
#23
 Vinyl Acetate
 Concen: 5.241 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.01 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	43.00	Resp	58502
Ion Ratio	100	Lower	Upper
43	100		
86	9.0	7.7	11.5

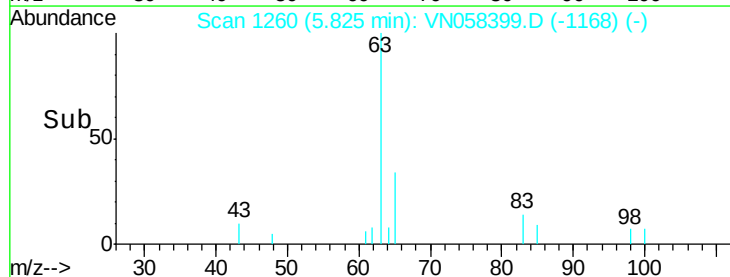
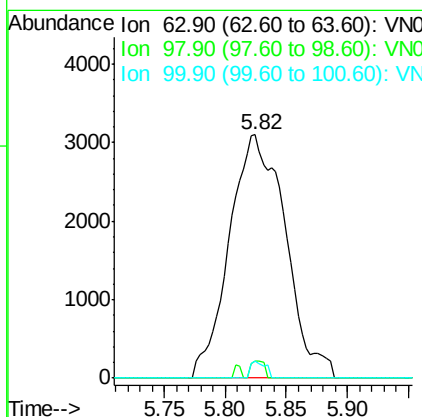
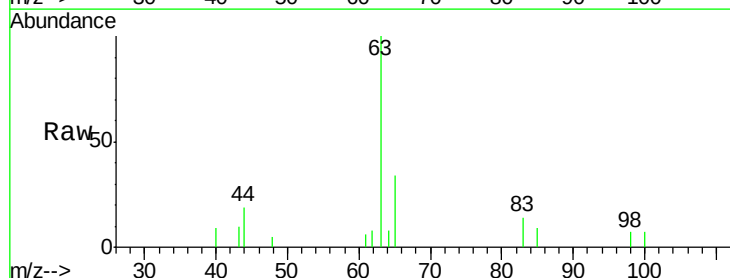
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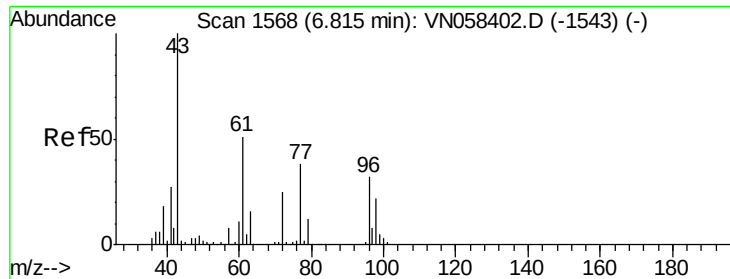
MMDadoda
 9/30/2019 10:18:24 AM



#24
 1,1-Dichloroethane
 Concen: 1.148 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. -0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion	63	Resp	9884
Ion Ratio	100	Lower	Upper
63	100		
98	7.0	3.0	9.0
100	7.3	2.0	5.8#





#25

2-Butanone

Concen: 5.157 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 15597

Ion Ratio Lower Upper

43 100

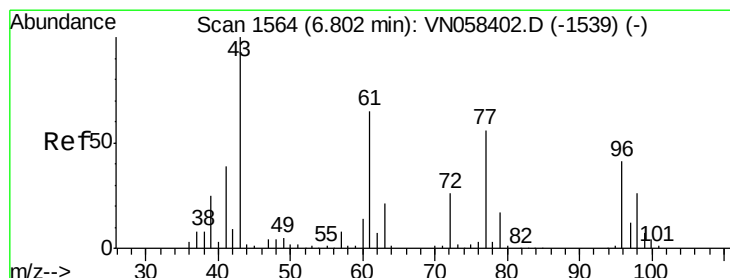
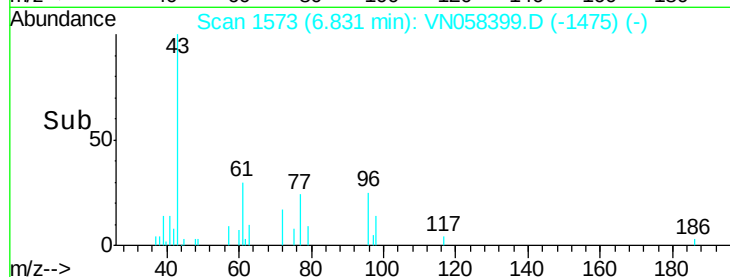
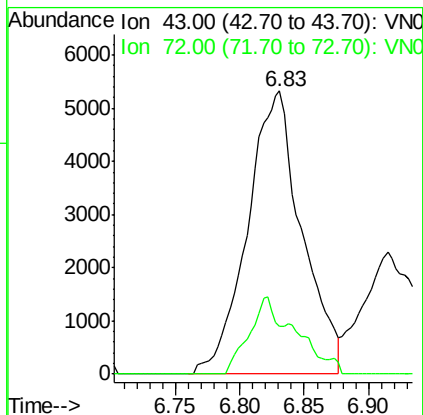
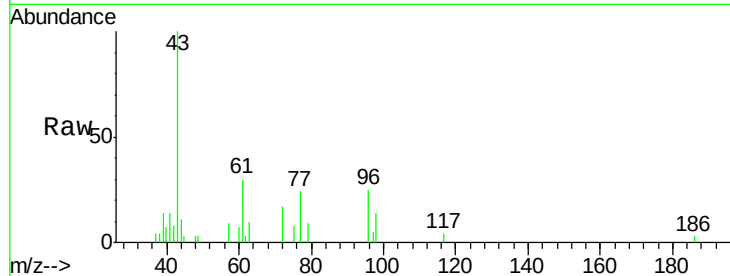
72 16.9 20.2 30.4#

Manual Integrations

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9/30/2019 10:18:24 AM



#26

2,2-Dichloropropane

Concen: 1.087 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058399.D

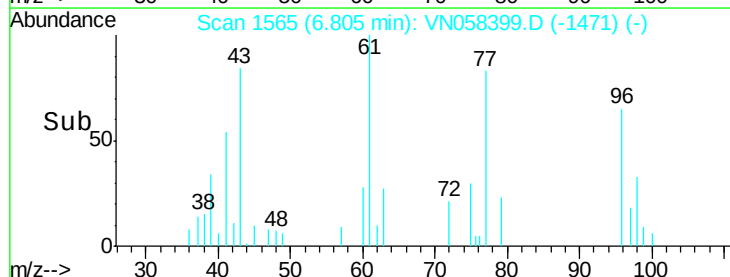
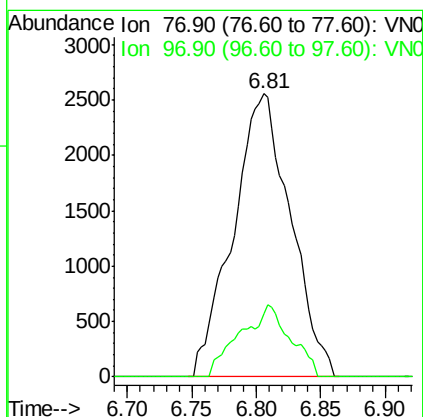
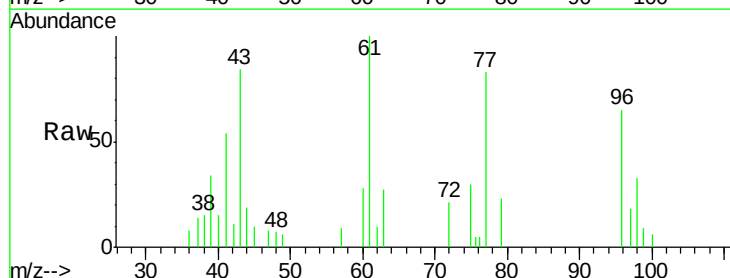
Acq: 27 Sep 2019 11:11

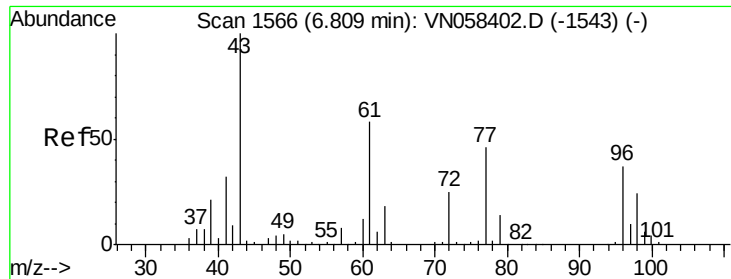
Tgt Ion: 77 Resp: 7923

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 1.209 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

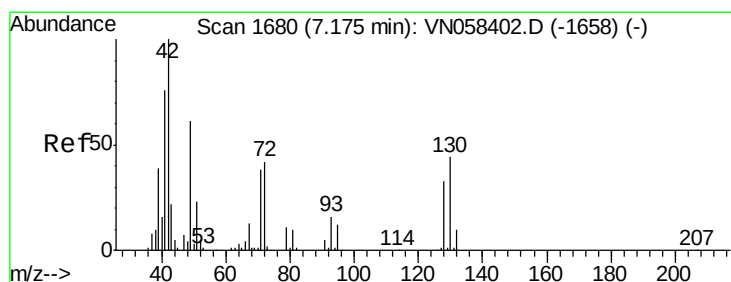
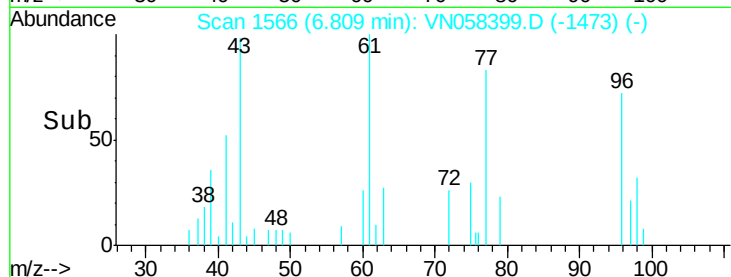
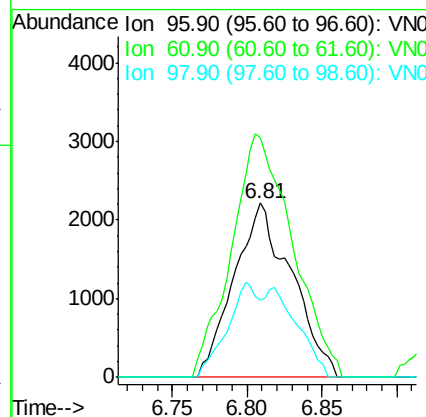
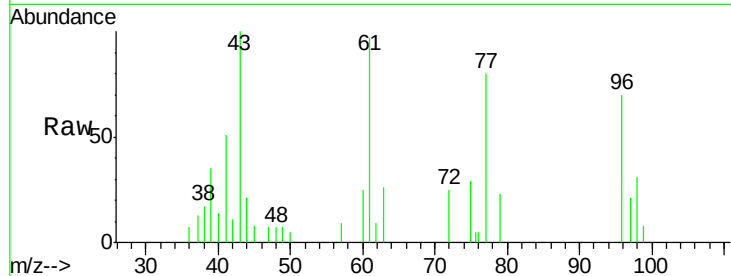
ClientSampleId :

VSTDIC001

Tot Ion:	96	Resp:	5923
Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	318.8
98	29.8	0.0	129.8

Manual Integrations
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#28

Bromochloromethane

Concen: 0.998 ug/l

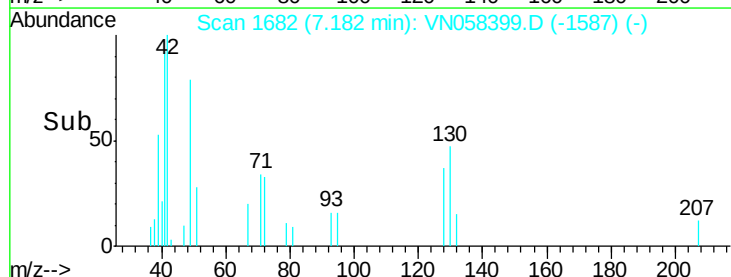
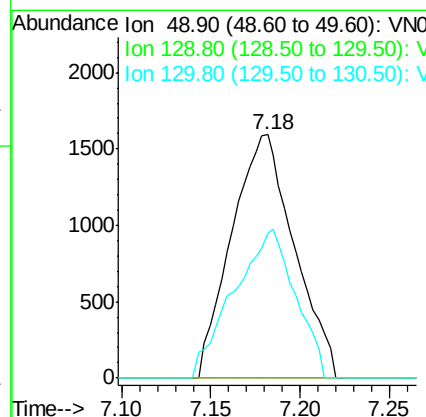
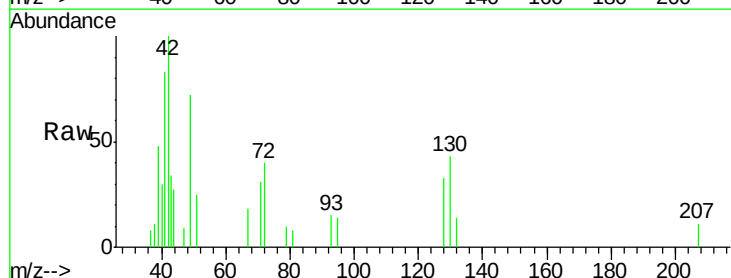
RT: 7.18 min Scan# 1682

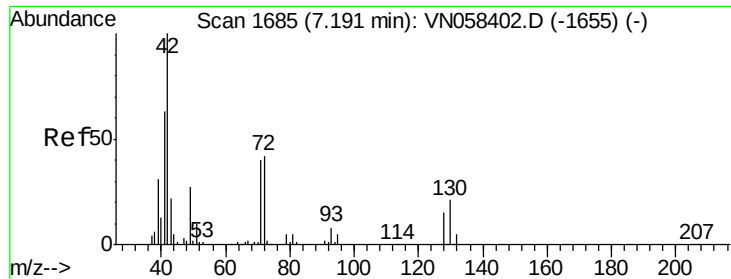
Delta R.T. 0.01 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Tgt Ion:	49	Resp:	3903
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	59.9	56.3	84.5





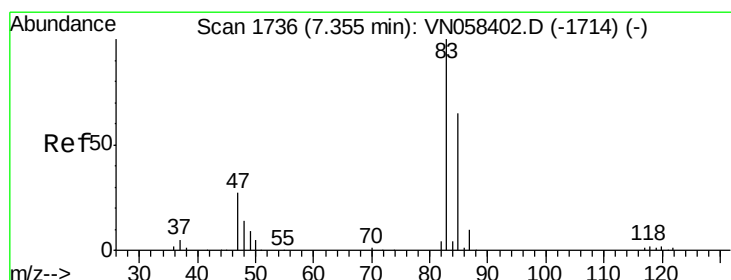
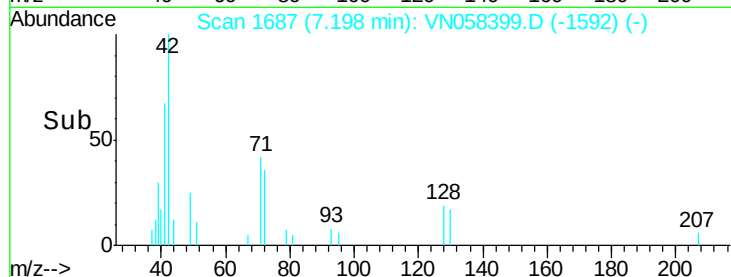
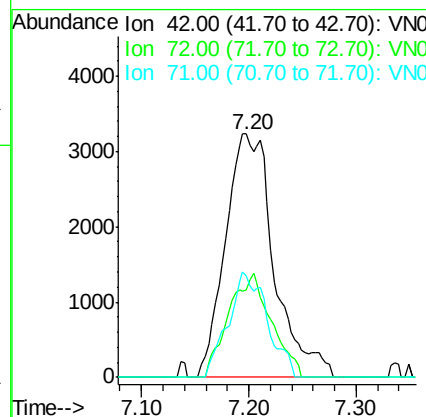
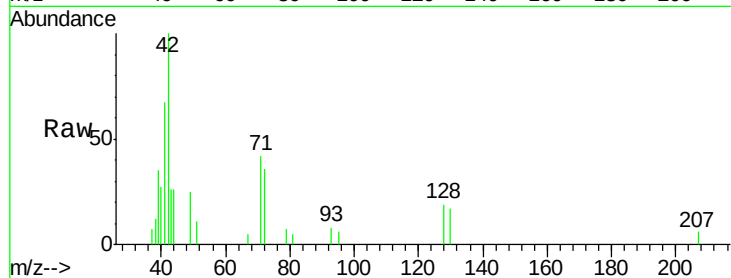
#29
Tetrahydrofuran
Concen: 5.415 ug/l m
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.5	33.7	50.5
71	34.8	31.8	47.6

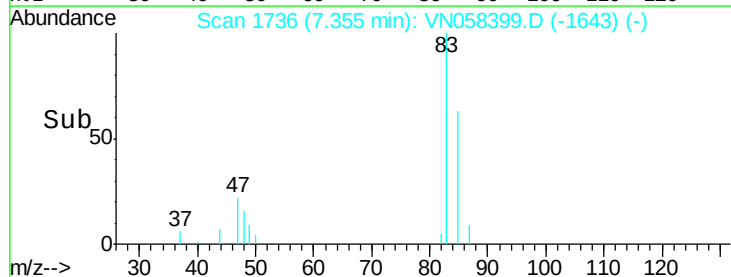
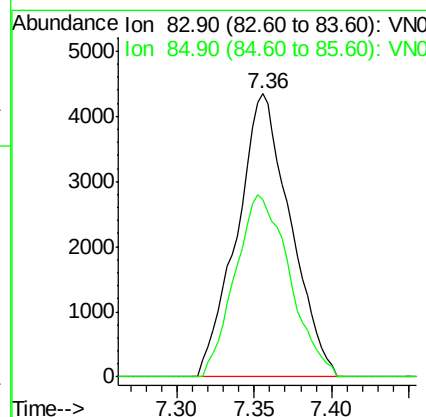
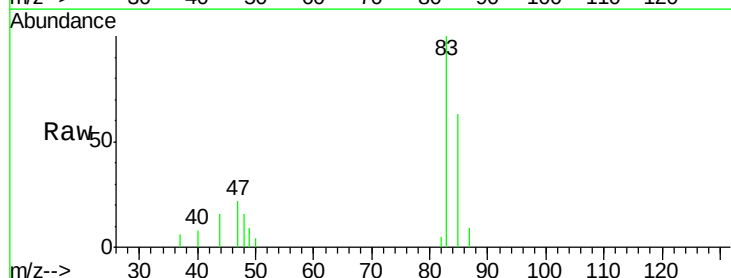
Manual Integrations
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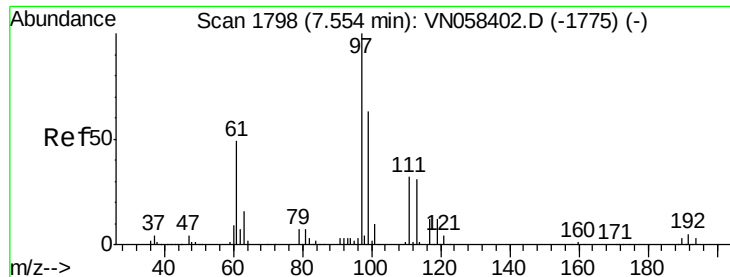
MMDadoda
9/30/2019 10:18:24 AM



#30
Chloroform
Concen: 1.142 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.0	78.0





#32

1,1,1-Trichloroethane

Concen: 1.091 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

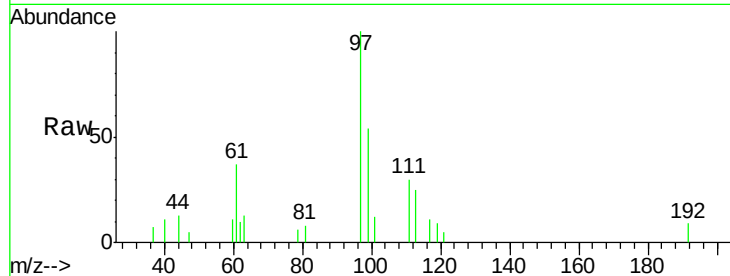
ClientSampleId :

VSTDIC001

Tot Ion:	97	Resp:	7705
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.1	76.7#
61	44.1	39.2	58.8

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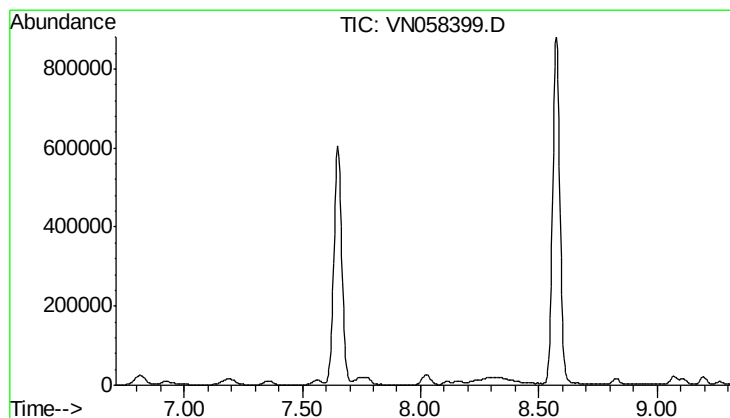
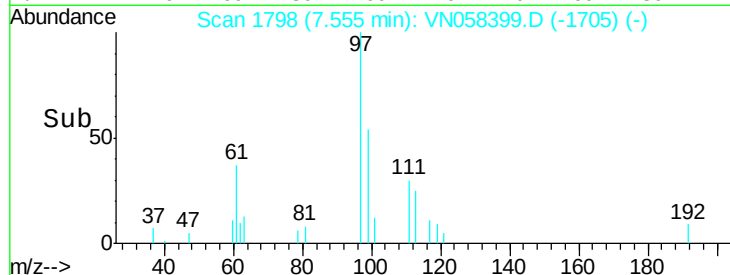
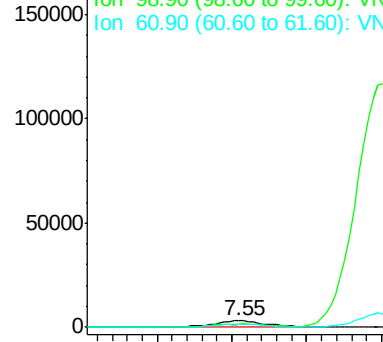


Abundance

Ion 96.90 (96.60 to 97.60): VN058399.D

Ion 98.90 (98.60 to 99.60): VN058399.D

Ion 60.90 (60.60 to 61.60): VN058399.D



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 8.01 min

Lab File: VN058399.D

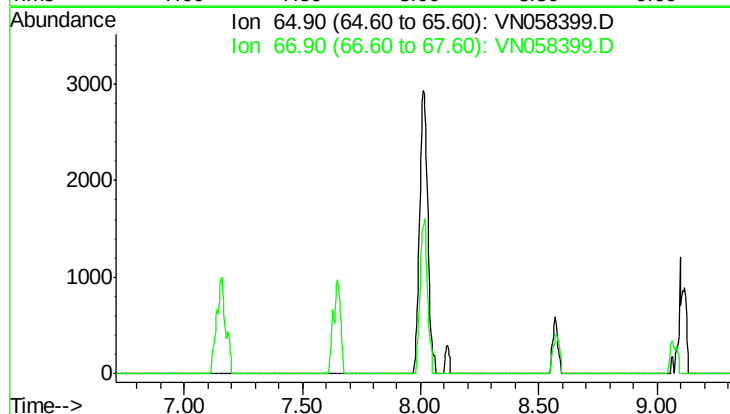
Acq: 27 Sep 2019 11:11

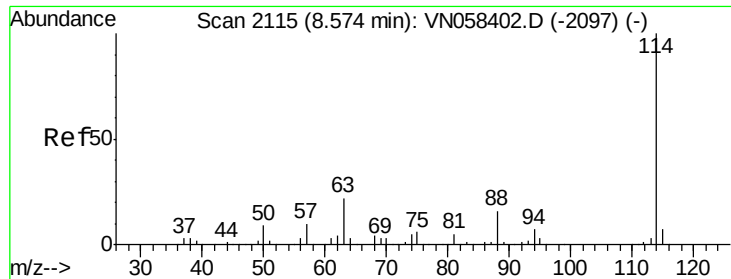
Tgt Ion: 65

Sig Exp Ratio

65 100

67 51.2





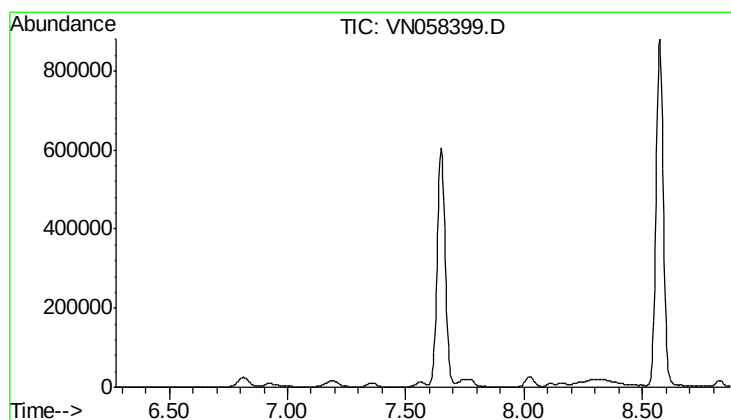
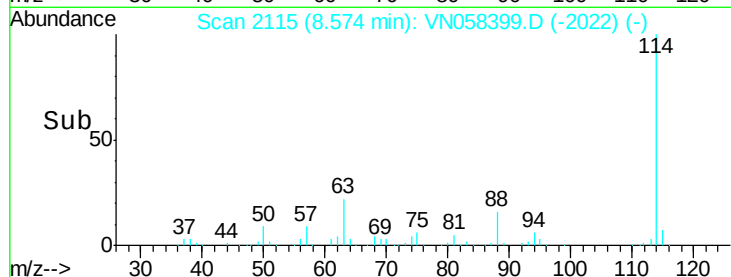
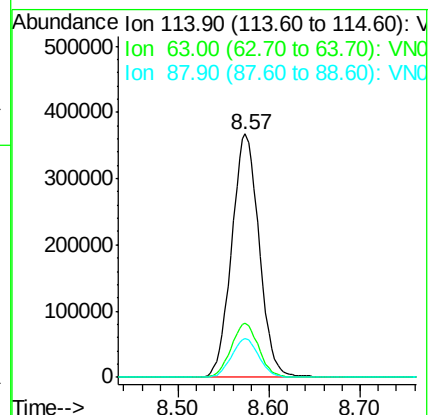
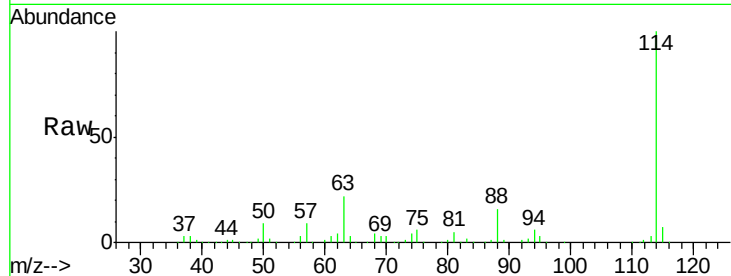
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	22.0	0.0	45.0
88	15.8	0.0	32.2

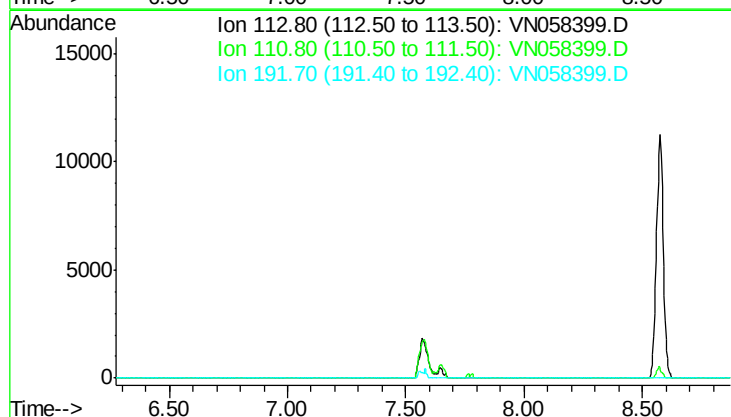
Manual Integrations
 APPROVED

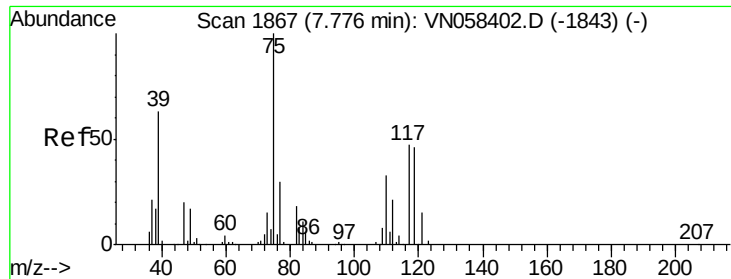
MMDadoda
 9/30/2019 10:18:24 AM



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 7.57 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion	Exp Ratio
113	100
111	104.3
192	18.6





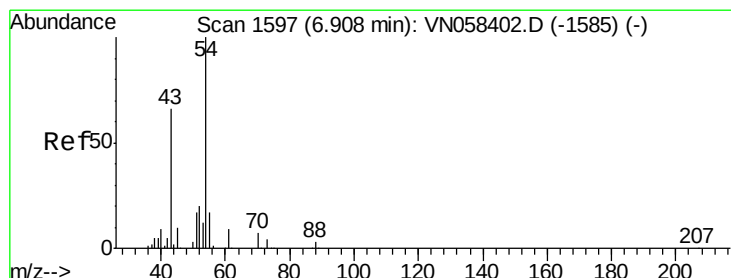
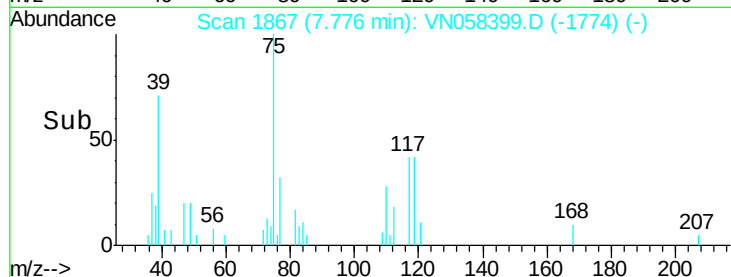
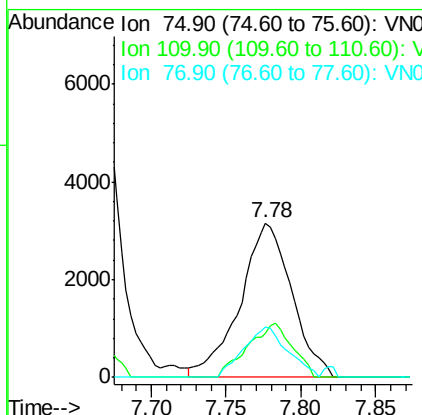
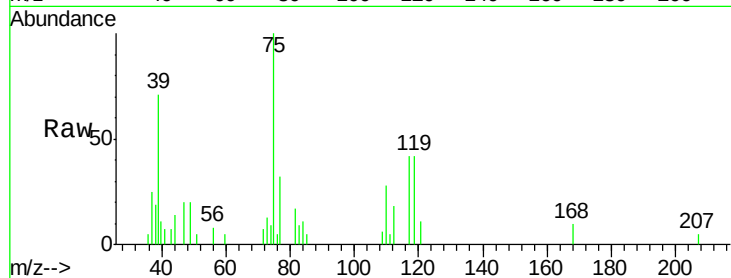
#36
 1,1-Dichloropropene
 Concen: 1.271 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	30.2	16.4	49.2
77	28.0	24.3	36.5

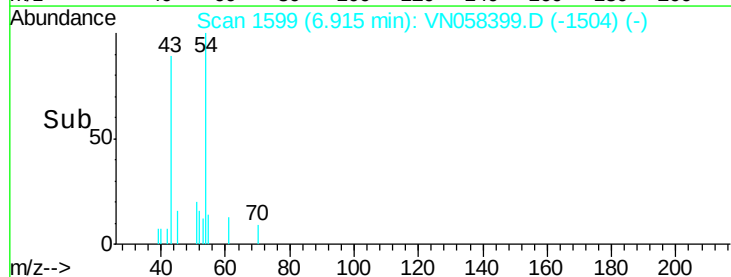
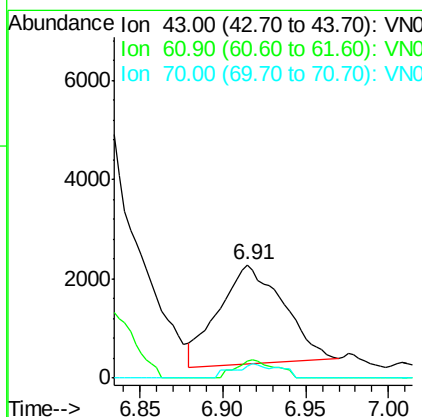
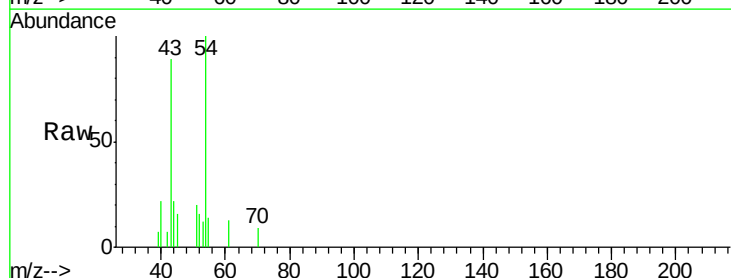
Manual Integrations
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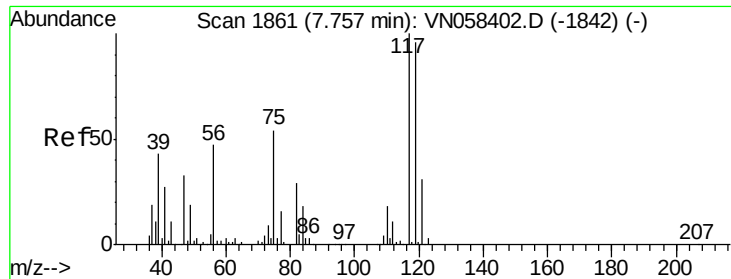
MMDadoda
 9/30/2019 10:18:24 AM



#37
 Ethyl Acetate
 Concen: 0.917 ug/l
 RT: 6.91 min Scan# 1599
 Delta R.T. 0.01 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
43	100		
61	11.3	10.5	15.7
70	7.1	7.8	11.6#





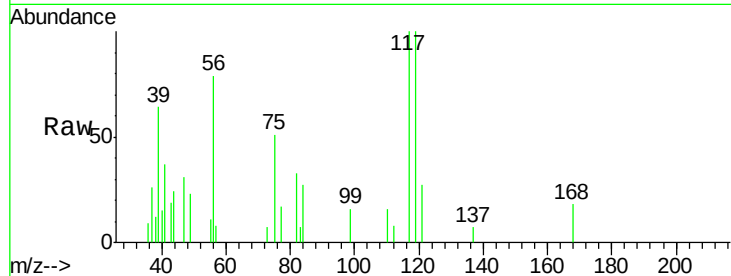
#38
Carbon Tetrachloride
Concen: 1.045 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

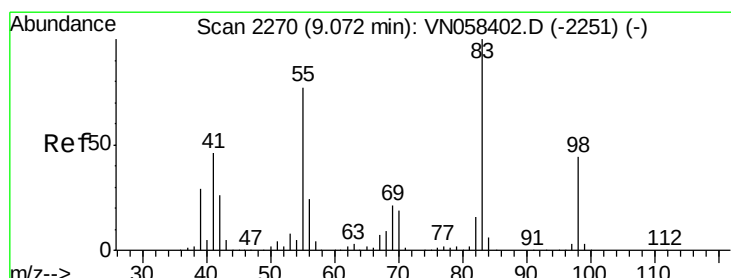
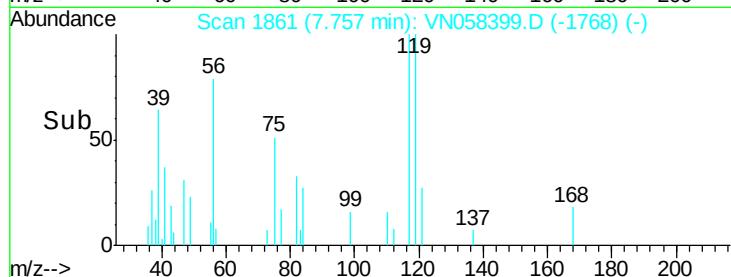
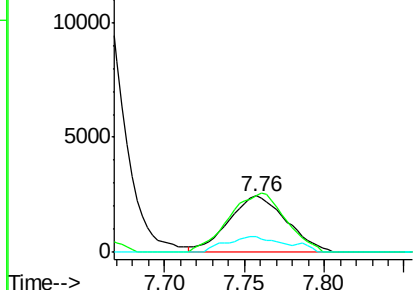
Tot Ion	Ratio	Lower	Upper
117	100		
119	100.4	76.6	115.0
121	27.3	24.7	37.1

Manual Integrations
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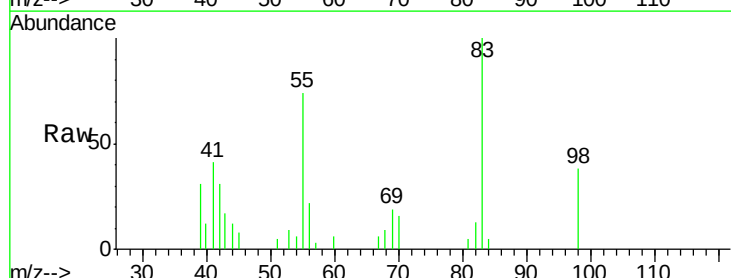


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

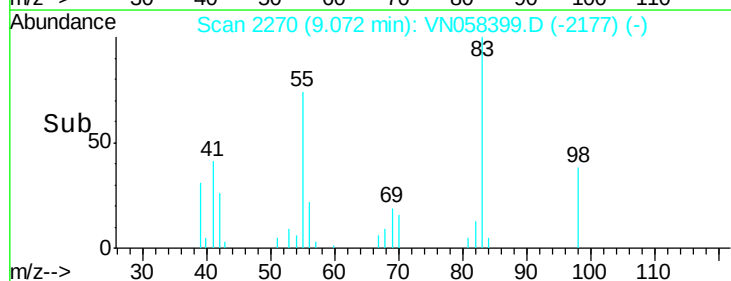
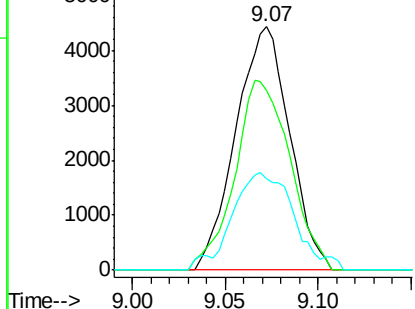


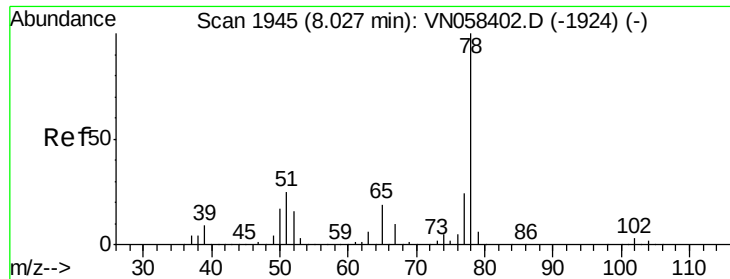
#39
Methylcyclohexane
Concen: 1.395 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
83	100		
55	73.5	61.8	92.6
98	37.6	35.4	53.0



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





#40

Benzene

Concen: 1.243 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 78 Resp: 22208

Ion Ratio Lower Upper

78 100

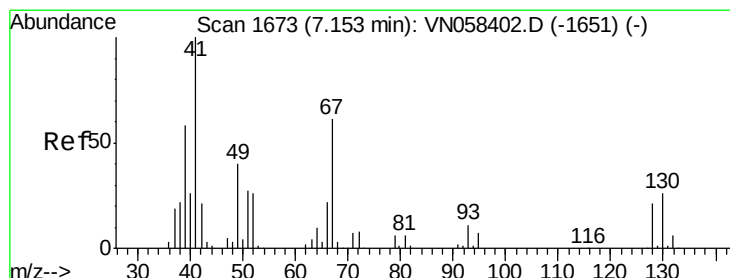
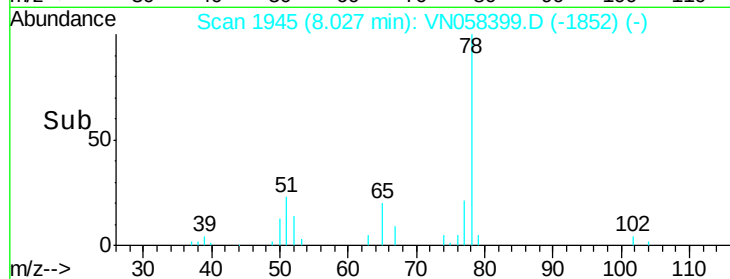
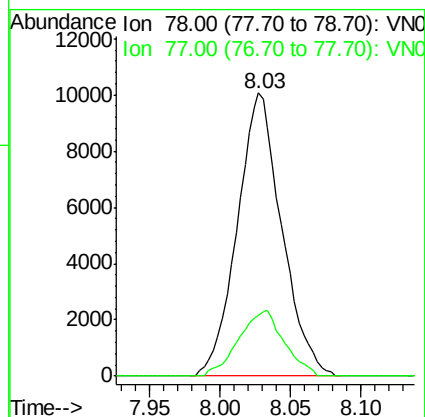
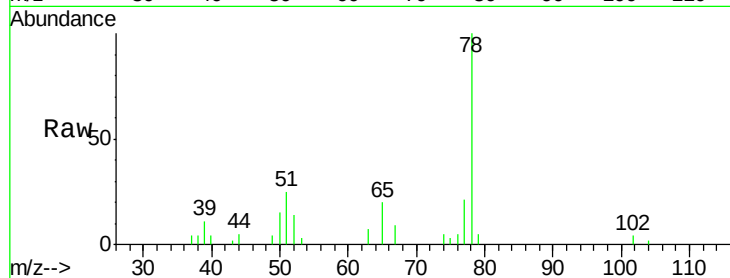
77 21.4 18.9 28.3

Manual Integrations

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#41

Methacrylonitrile

Concen: 0.988 ug/l

RT: 7.16 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Tgt Ion: 41 Resp: 2756

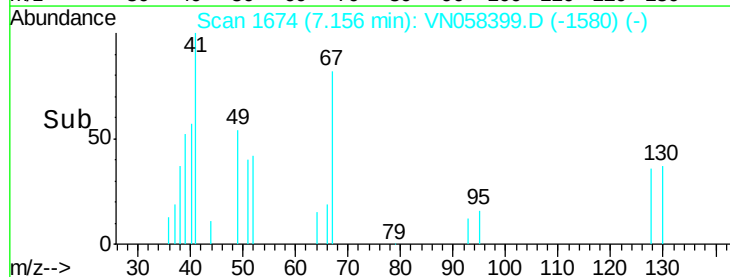
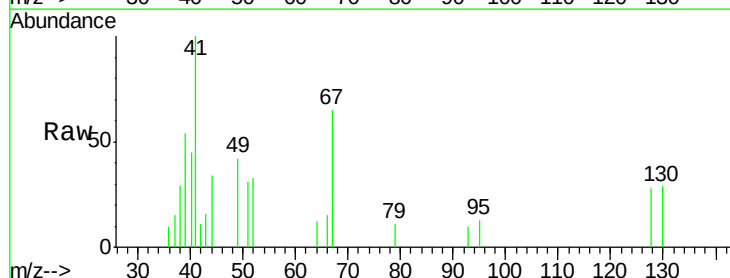
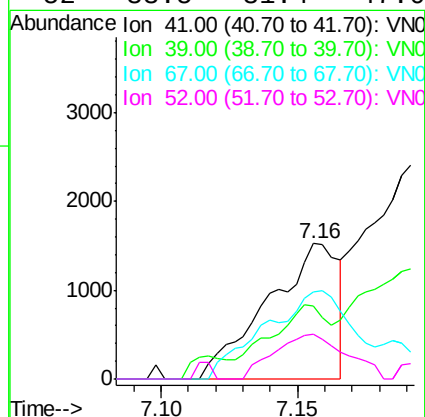
Ion Ratio Lower Upper

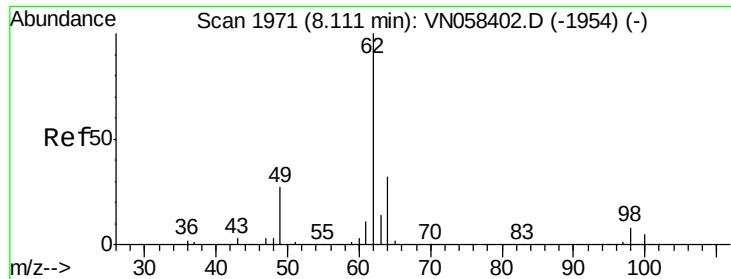
41 100

39 44.6 50.2 75.4#

67 79.9 70.2 105.4

52 33.5 31.4 47.0





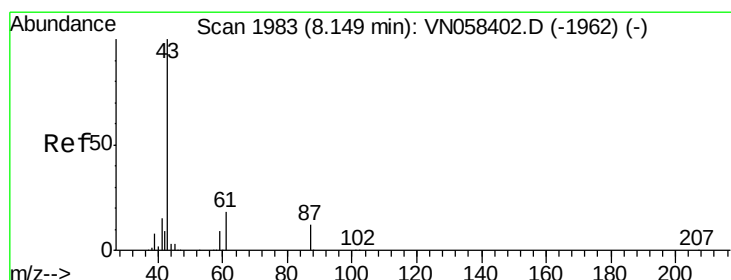
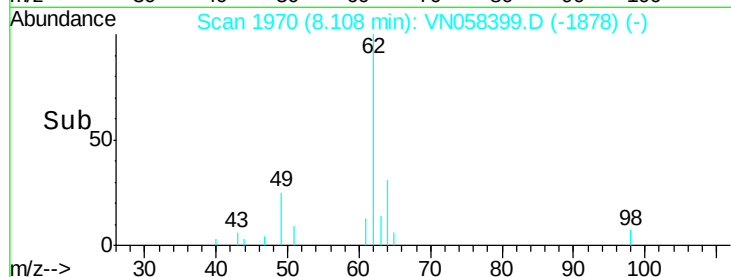
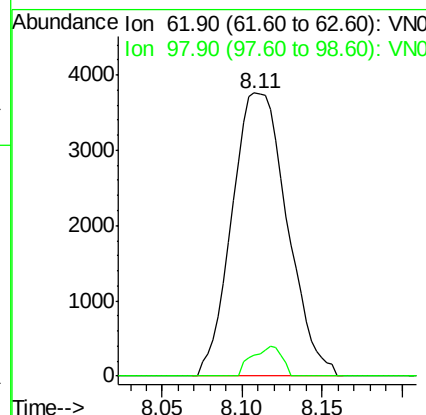
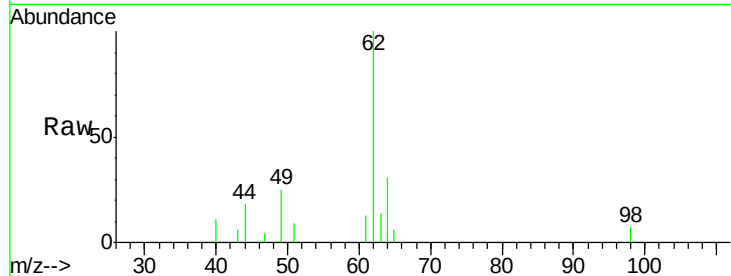
#42
 1,2-Dichloroethane
 Concen: 1.208 ug/l
 RT: 8.11 min Scan# 1970
 Delta R.T. -0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.7	0.0	15.6

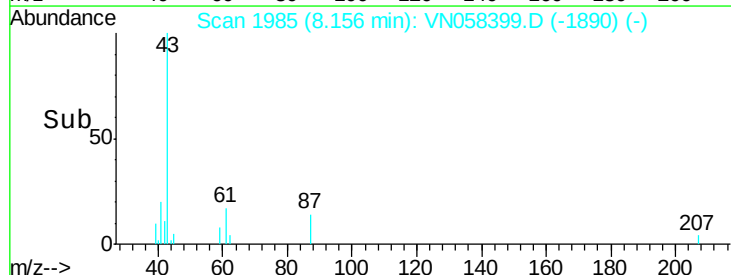
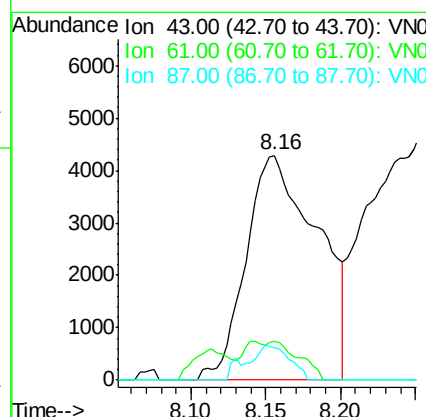
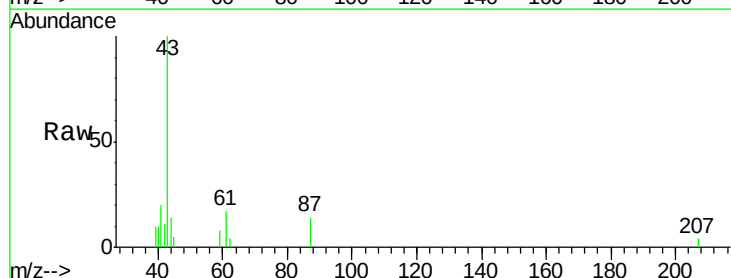
Manual Integrations
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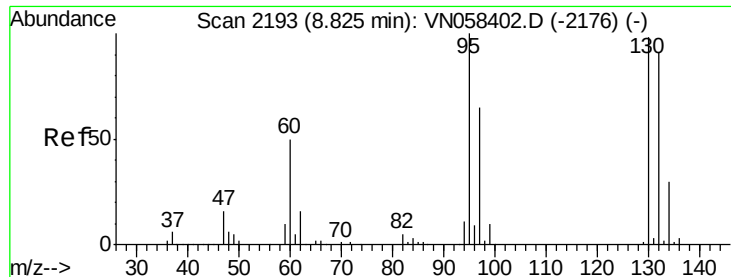
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#43
 Isopropyl Acetate
 Concen: 1.298 ug/l
 RT: 8.16 min Scan# 1985
 Delta R.T. 0.01 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
43	100		
61	2.4	14.8	22.2#
87	7.0	9.7	14.5#





#44

Trichloroethene

Concen: 1.250 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 5475

Ion Ratio Lower Upper

130 100

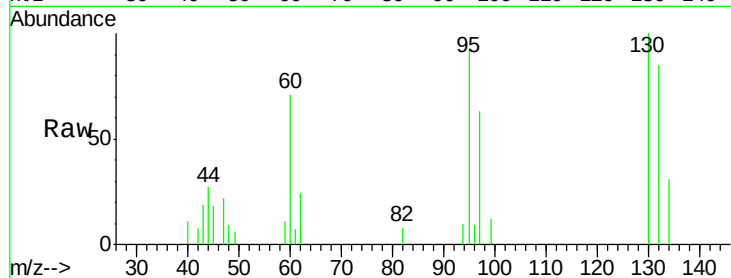
95 92.0 0.0 204.2

Manual Integrations

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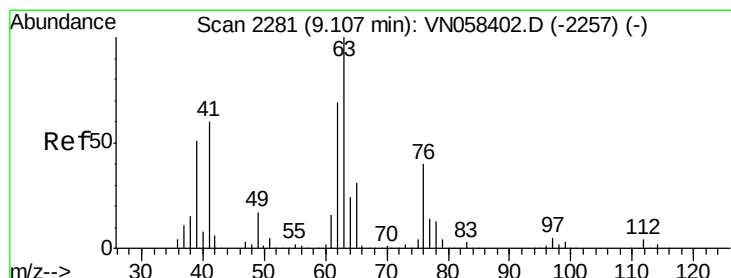
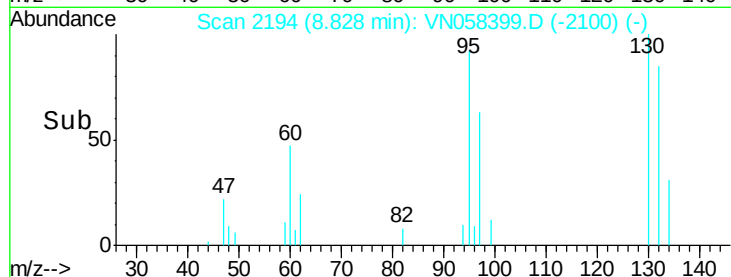
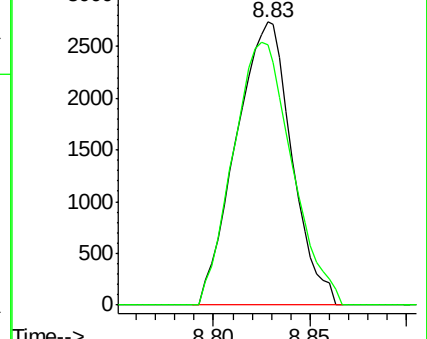
MMDadoda

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#45

1,2-Dichloropropane

Concen: 1.152 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. 0.00 min

Lab File: VN058399.D

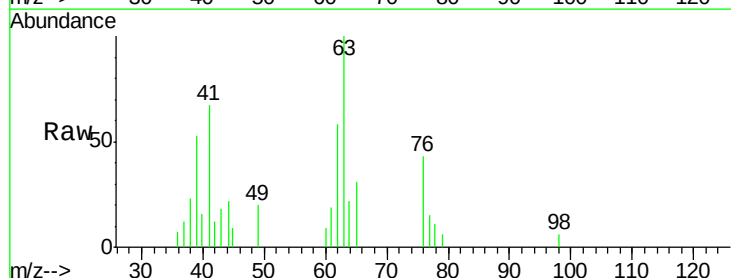
Acq: 27 Sep 2019 11:11

Tgt Ion: 63 Resp: 5986

Ion Ratio Lower Upper

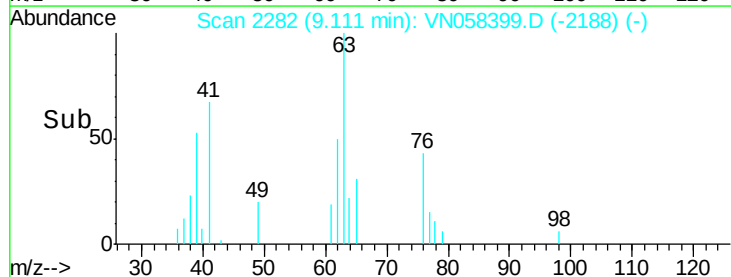
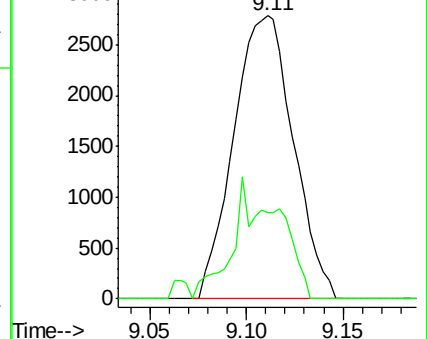
63 100

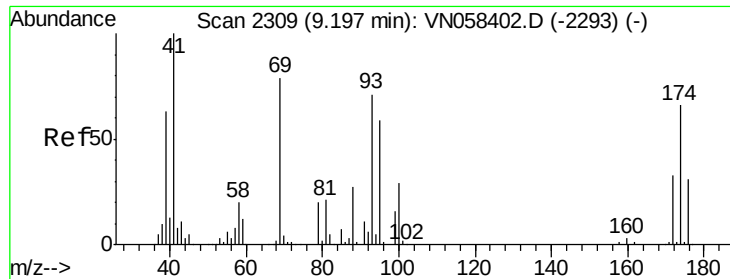
65 30.7 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





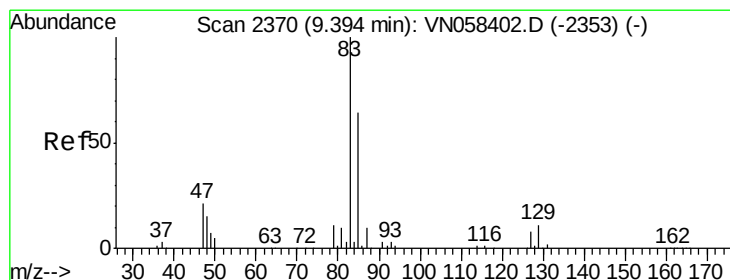
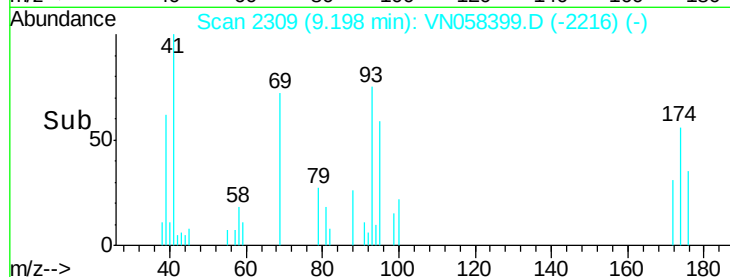
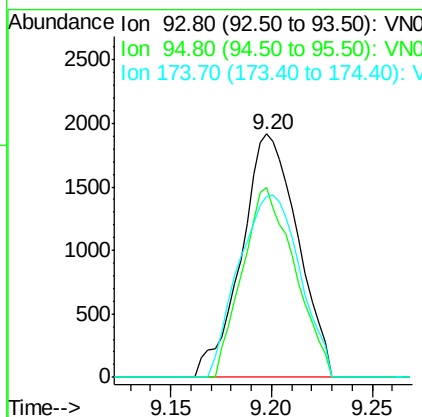
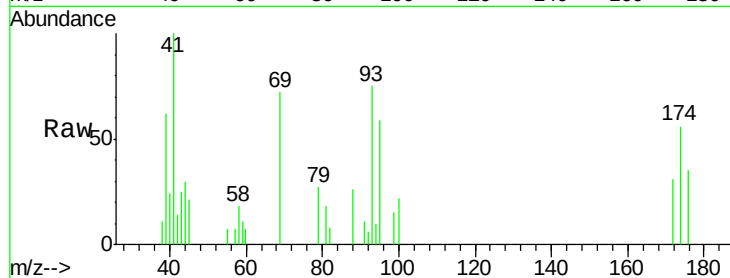
#46
Dibromomethane
Concen: 1.169 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 93 Resp: 3725
Ion Ratio Lower Upper
93 100
95 72.9 67.0 100.4
174 81.4 74.2 111.2

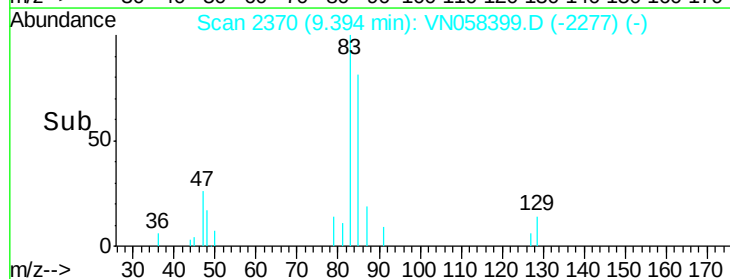
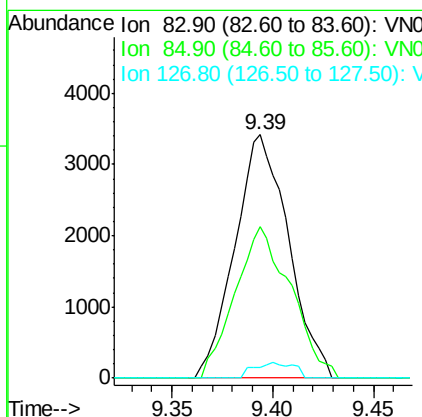
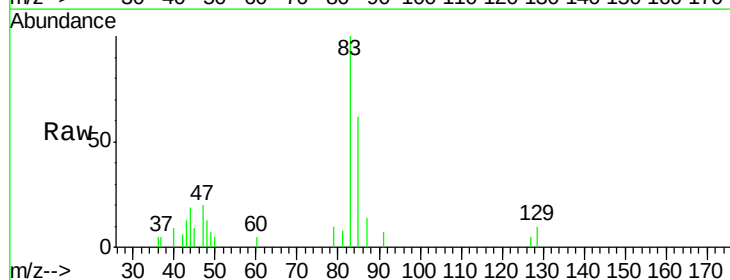
Manual Integrations
APPROVED

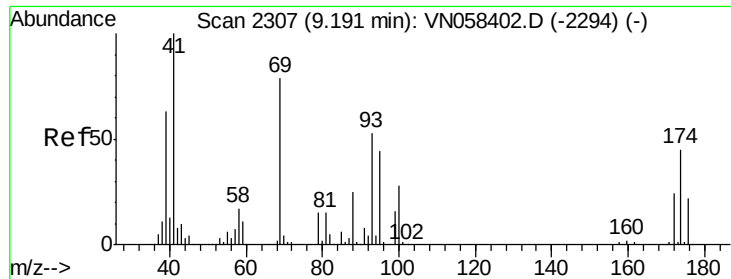
MMDadoda
9/30/2019 10:18:24 AM



#47
Bromodichloromethane
Concen: 0.967 ug/l
RT: 9.39 min Scan# 2370
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion: 83 Resp: 6345
Ion Ratio Lower Upper
83 100
85 62.0 51.2 76.8
127 4.6 6.3 9.5#





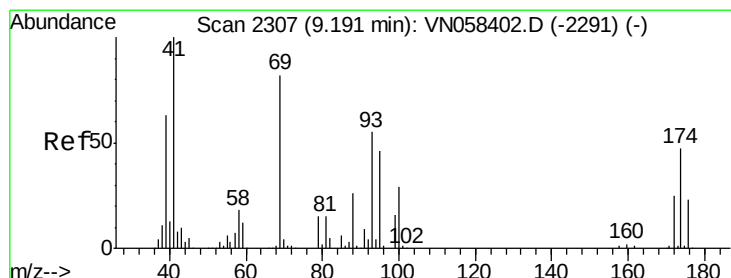
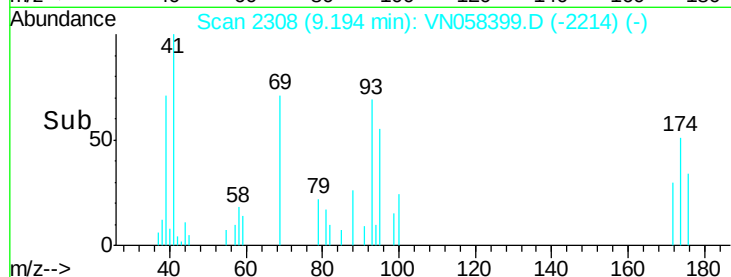
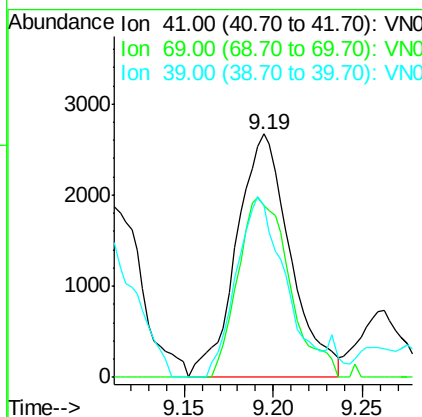
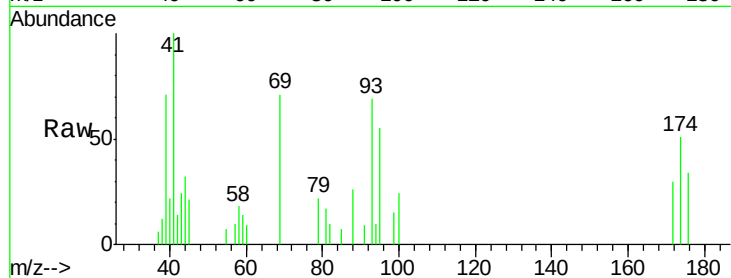
#48
Methvl methacrylate
Concen: 1.127 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
69	71.1	64.7	97.1
39	67.4	52.9	79.3

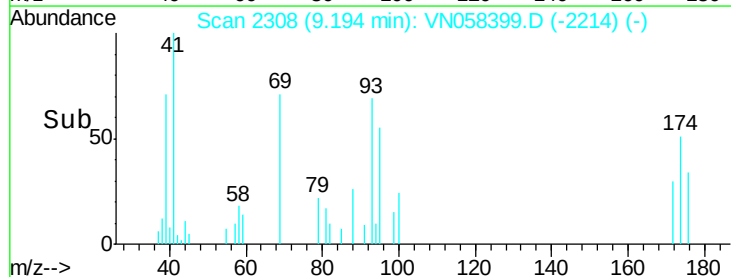
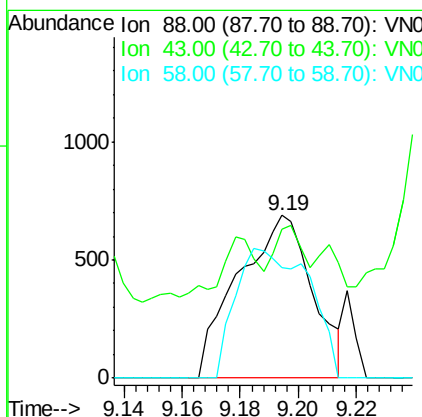
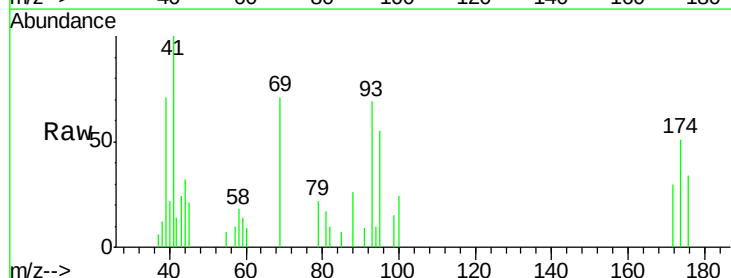
Manual Integrations
APPROVED

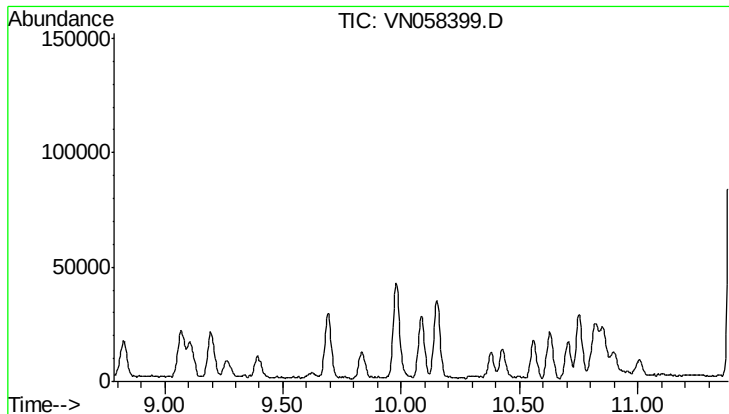
MMDadoda
9/30/2019 10:18:24 AM



#49
1,4-Dioxane
Concen: 15.550 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
88	100		
43	21.6	31.1	46.7#
58	78.3	58.1	87.1





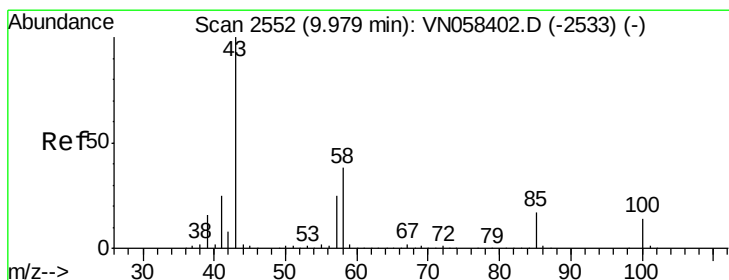
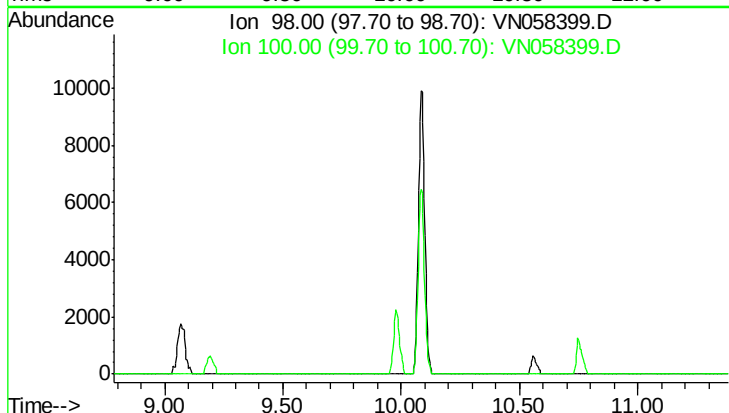
#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 10.08 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 98
Sig Exp Ratio
98 100
100 63.8

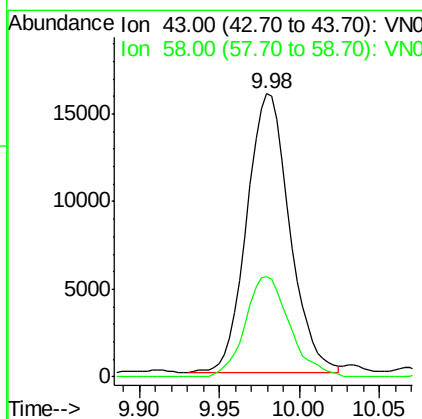
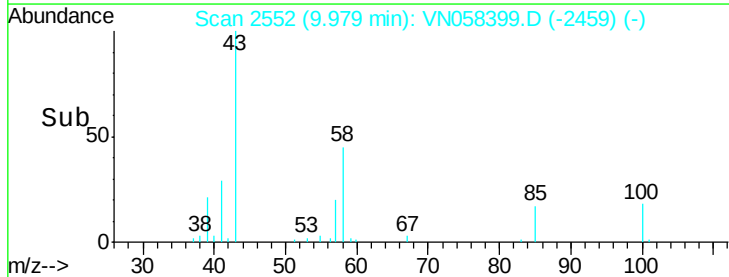
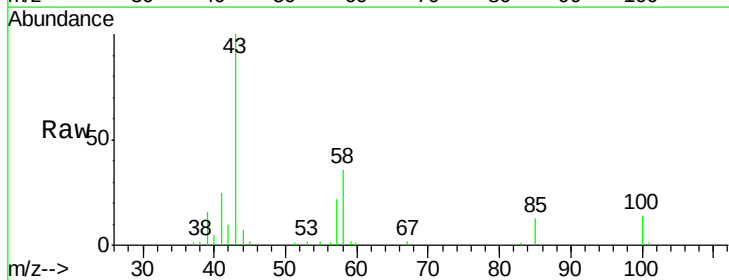
Manual Integrations
APPROVED

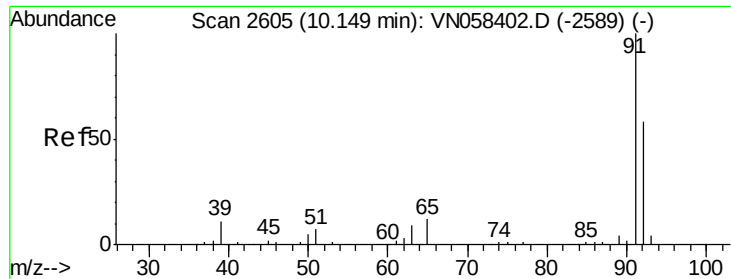
MMDadoda
9/30/2019 10:18:24 AM



#51
4-Methyl-2-Pentanone
Concen: 5.080 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion: 43 Resp: 29268
Ion Ratio Lower Upper
43 100
58 37.0 30.2 45.2





#52

Toluene

Concen: 1.351 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 92 Resp: 15011

Ion Ratio Lower Upper

92 100

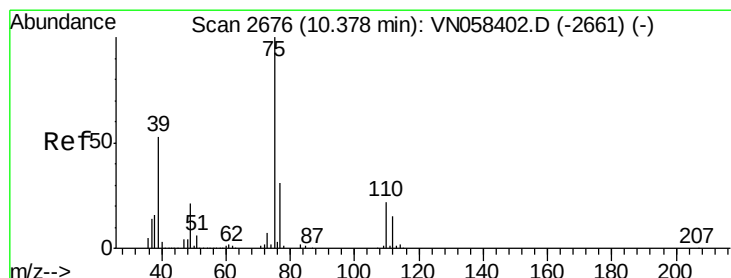
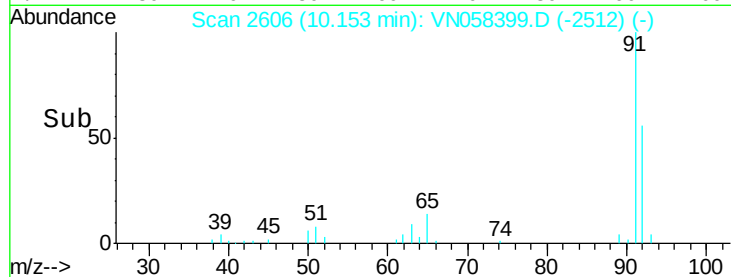
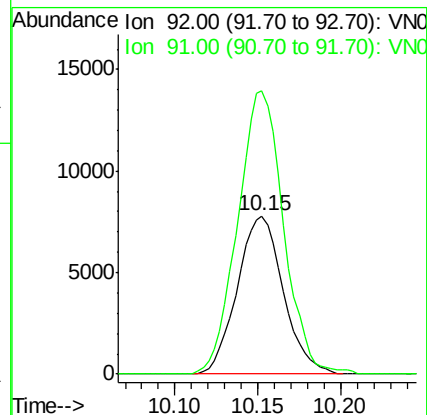
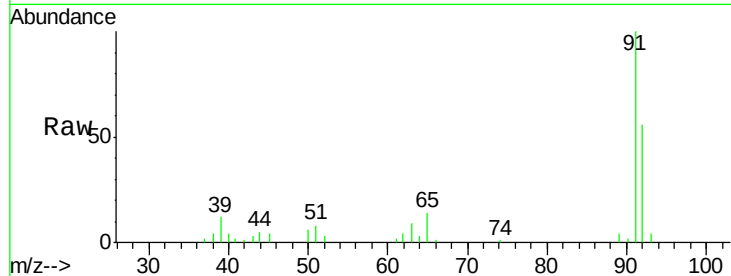
91 178.3 140.2 210.4

Manual Integrations

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MMDadoda

9/30/2019 10:18:24 AM



#53

t-1,3-Dichloropropene

Concen: 0.940 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.01 min

Lab File: VN058399.D

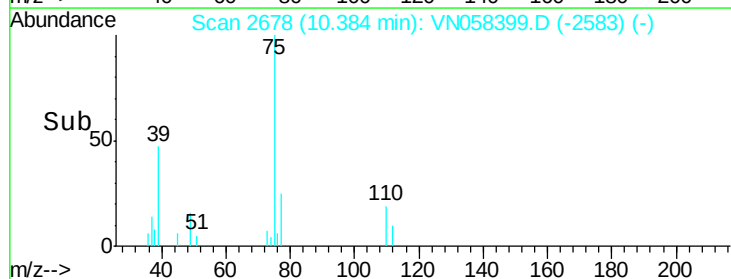
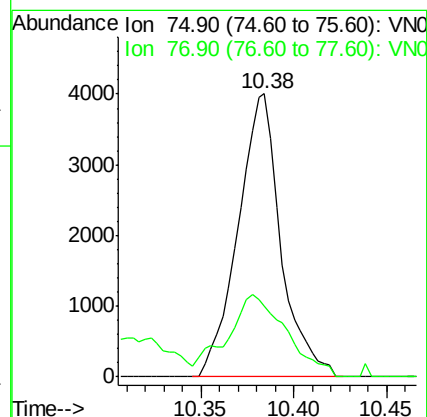
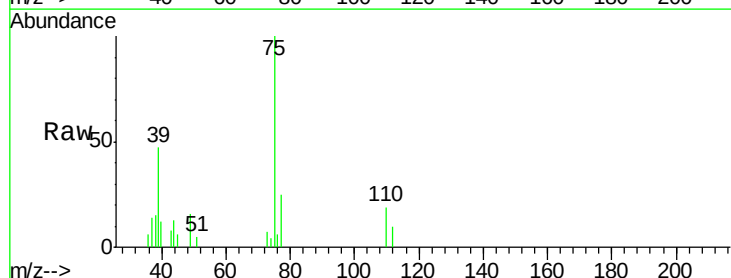
Acq: 27 Sep 2019 11:11

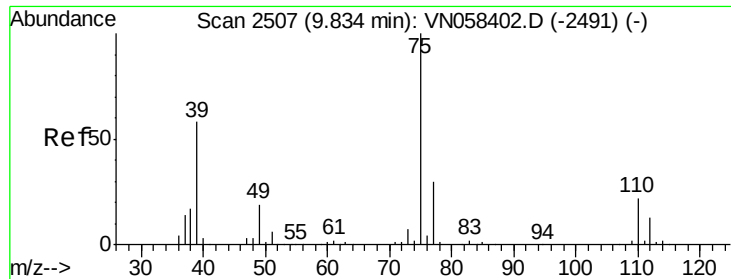
Tgt Ion: 75 Resp: 6407

Ion Ratio Lower Upper

75 100

77 24.9 25.2 37.8#





#54

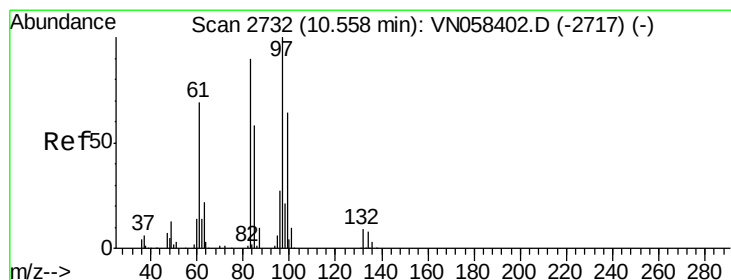
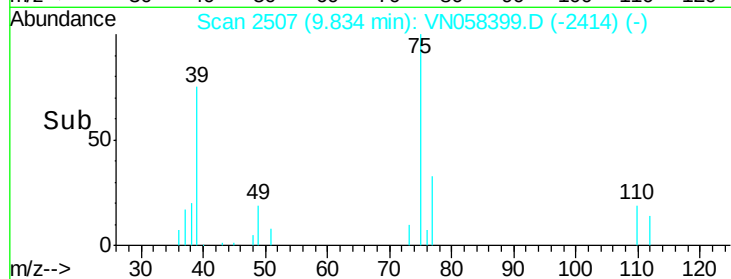
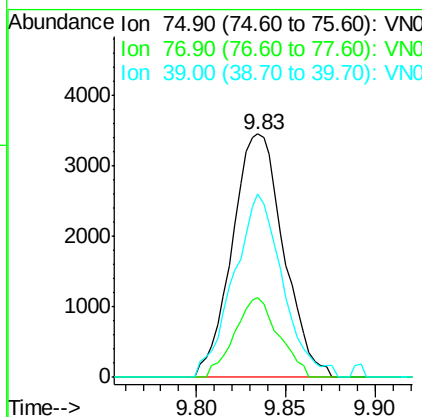
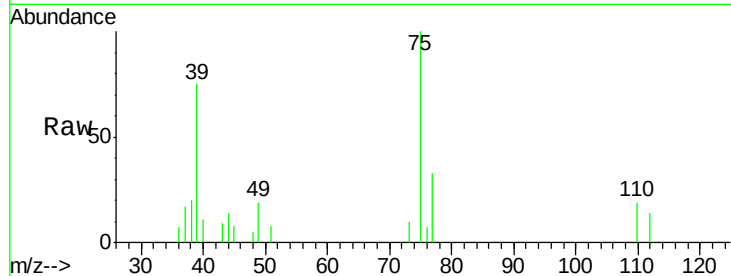
cis-1,3-Dichloropropene
 Concen: 0.923 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.7	24.2	36.4
39	75.2	46.4	69.6

Manual Integrations
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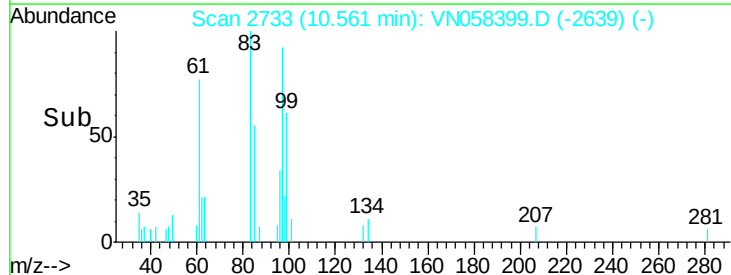
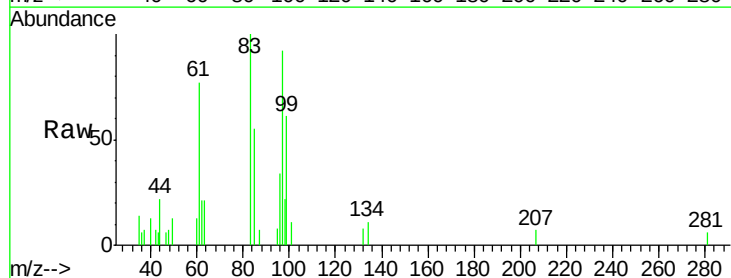
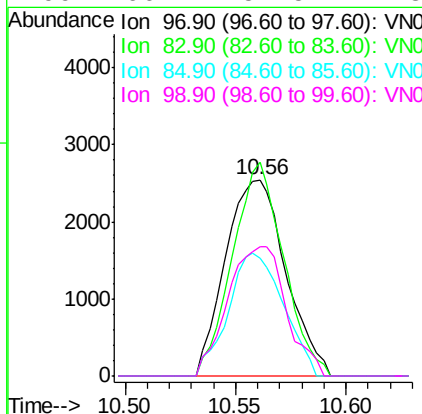
MMDadoda
 9/30/2019 10:18:24 AM

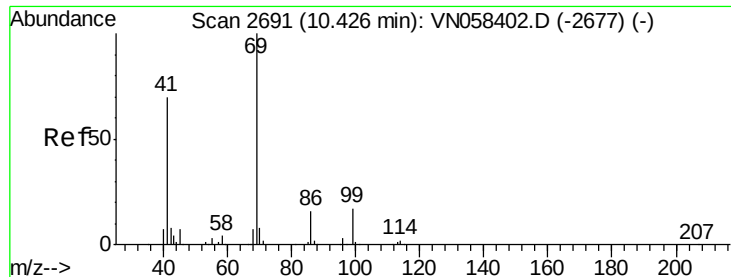


#55

1,1,2-Trichloroethane
 Concen: 1.011 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
97	100		
83	108.8	71.8	107.6
85	60.2	46.6	69.8
99	66.2	51.5	77.3





#56

Ethyl methacrylate

Concen: 0.950 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

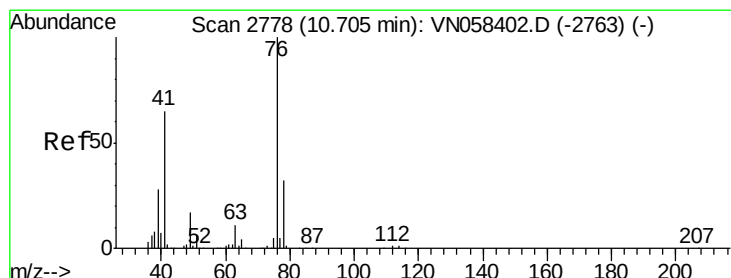
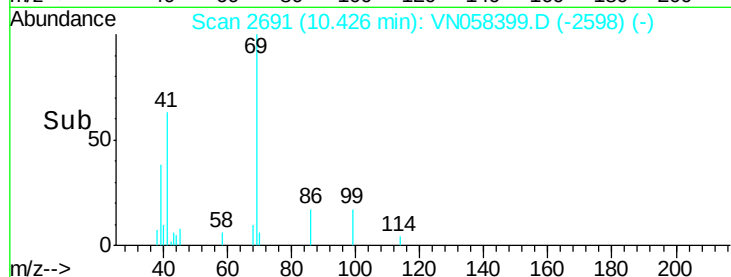
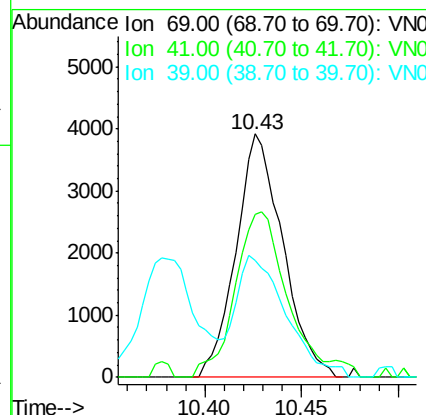
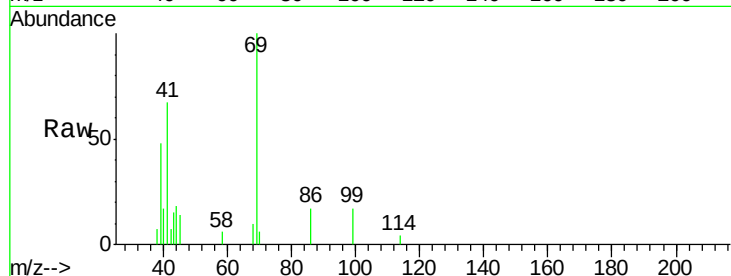
ClientSampleId :

VSTDIC001

Tot Ion:	69	Resp:	6581
Ion	Ratio	Lower	Upper
69	100		
41	77.3	56.3	84.5
39	54.9	35.8	53.6

Manual Integrations
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MMDadoda
9/30/2019 10:18:24 AM



#57

1,3-Dichloropropane

Concen: 1.017 ug/l

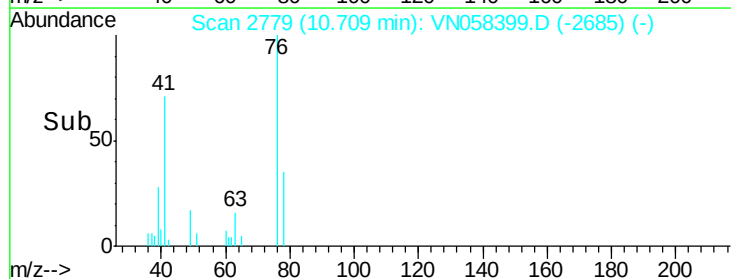
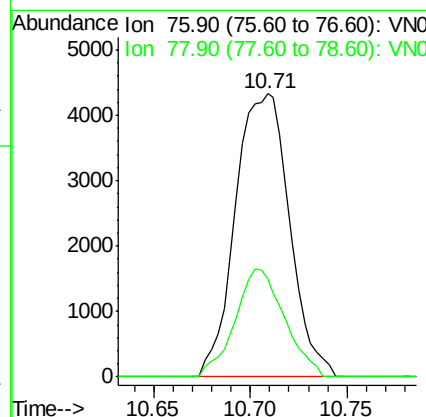
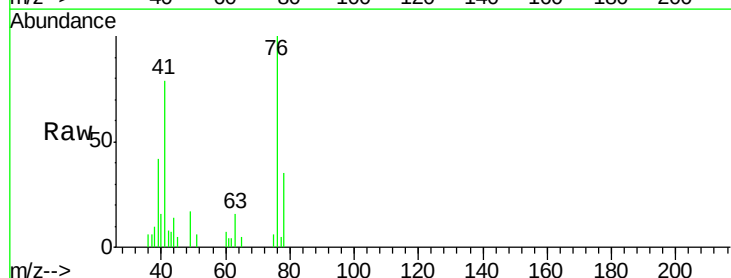
RT: 10.71 min Scan# 2779

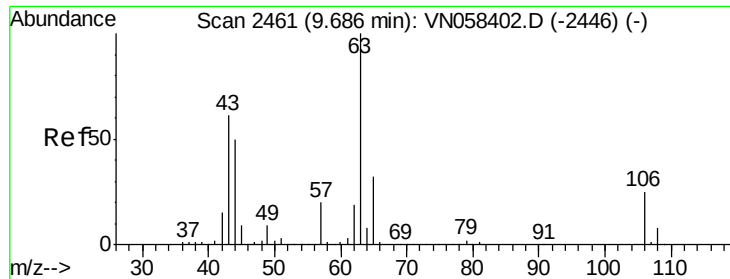
Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Tgt Ion:	76	Resp:	8402
Ion	Ratio	Lower	Upper
76	100		
78	34.9	25.7	38.5





#58

2-Chloroethyl Vinyl ether

Concen: 3.893 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 63 Resp: 12341

Ion Ratio Lower Upper

63 100

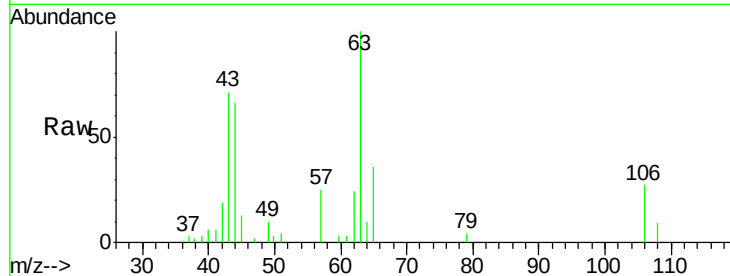
106 26.7 20.3 30.5

Manual Integrations

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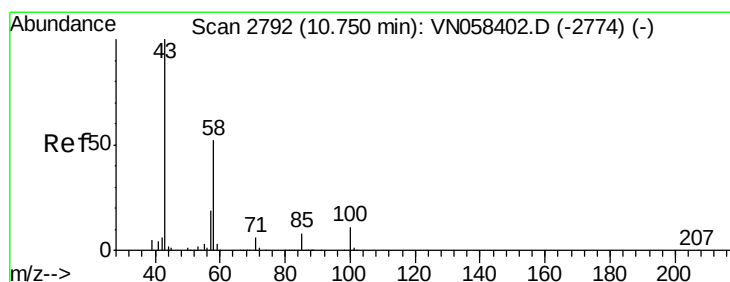
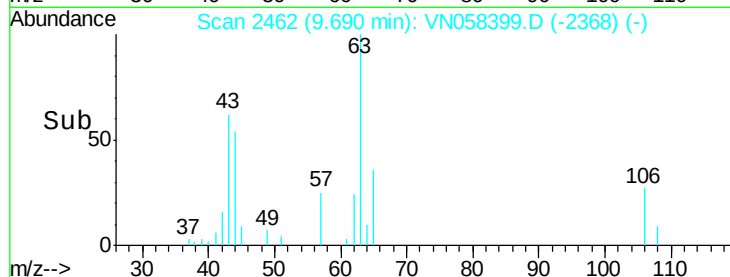
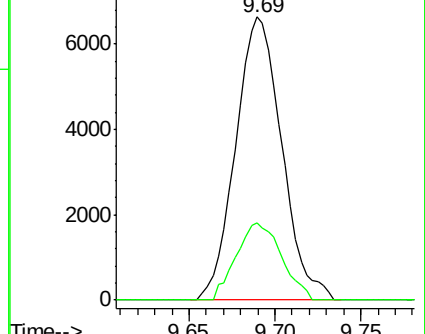
MMDadoda

9/30/2019 10:18:24 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): VN0



#59

2-Hexanone

Concen: 4.658 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058399.D

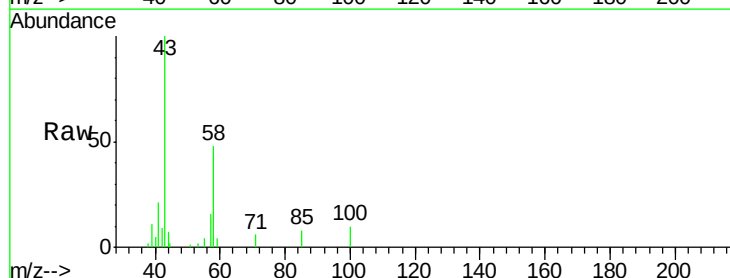
Acq: 27 Sep 2019 11:11

Tgt Ion: 43 Resp: 19884

Ion Ratio Lower Upper

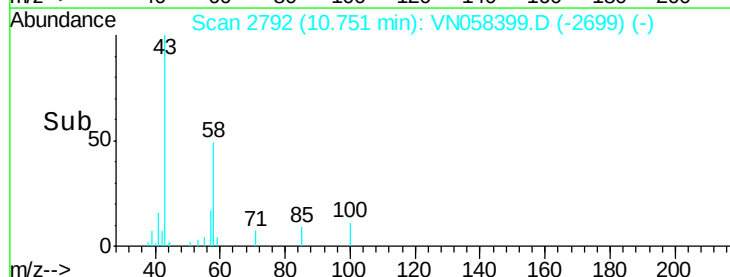
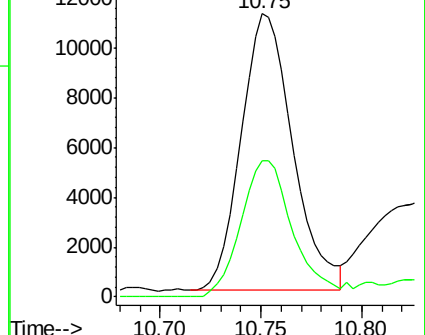
43 100

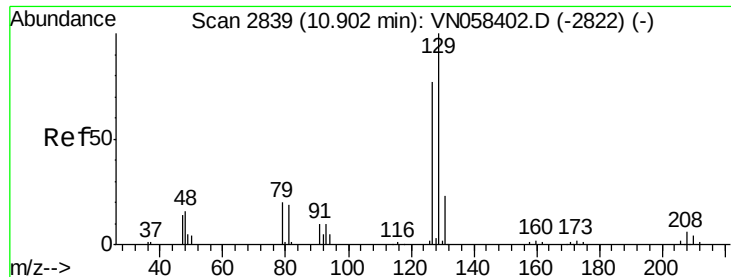
58 49.2 25.8 77.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 0.797 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:129 Resp: 3655

Ion Ratio Lower Upper

129 100

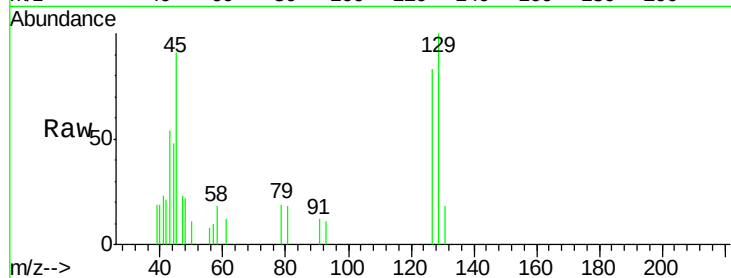
127 79.8 38.3 114.8

Manual Integrations

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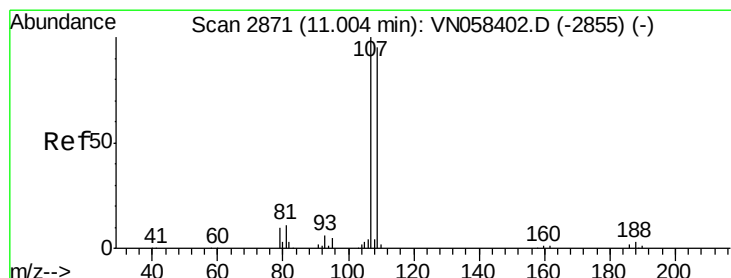
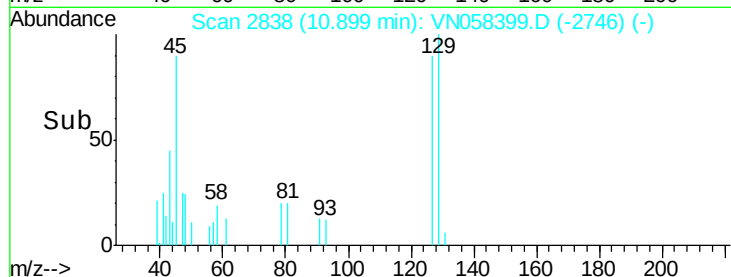
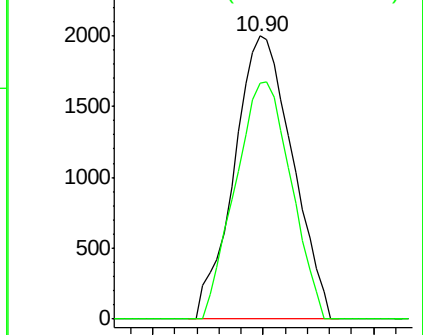
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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 1.056 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058399.D

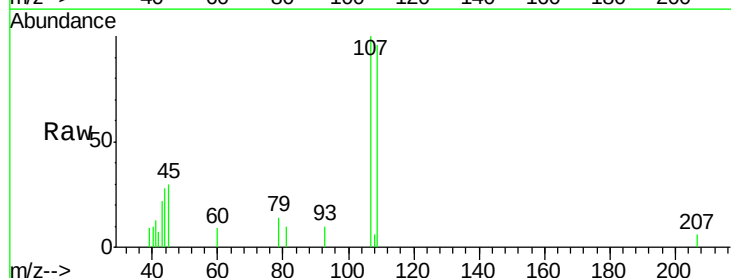
Acq: 27 Sep 2019 11:11

Tgt Ion:107 Resp: 4761

Ion Ratio Lower Upper

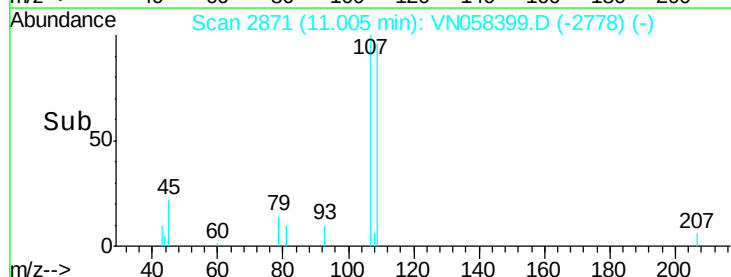
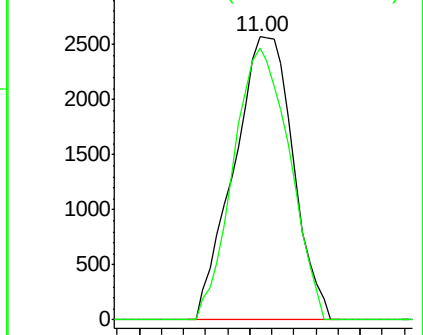
107 100

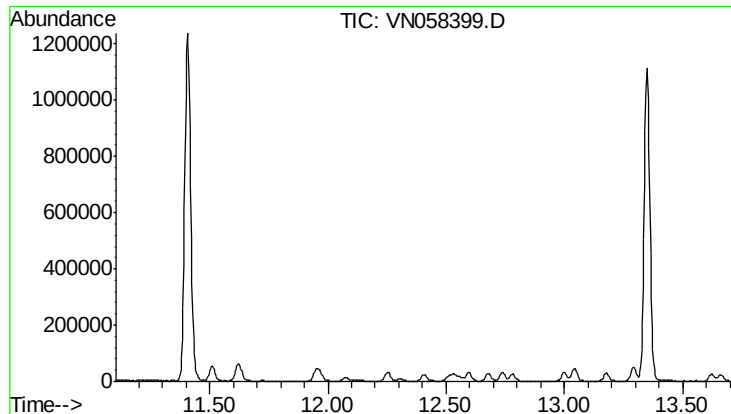
109 91.7 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





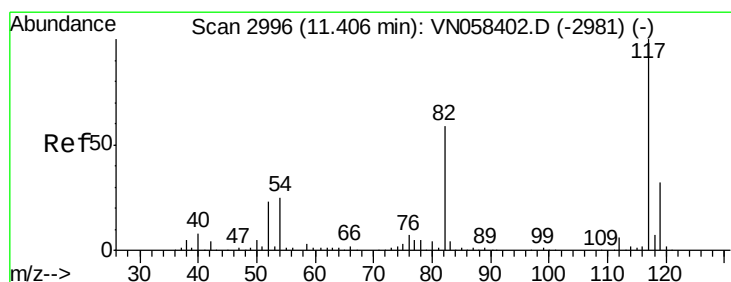
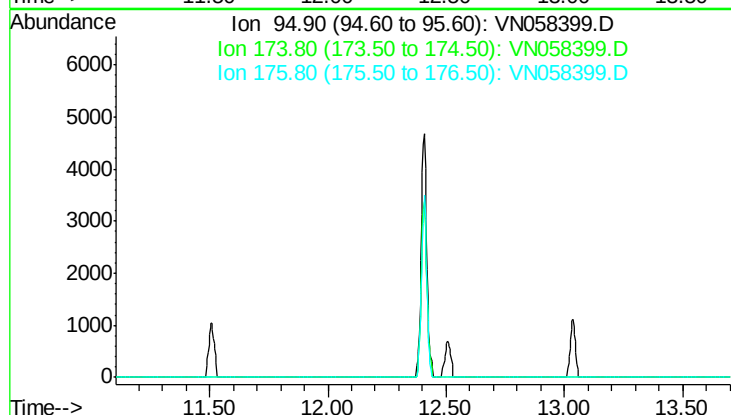
#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 12.40 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	95
Sig	Exp Ratio
95	100
174	75.3
176	73.1

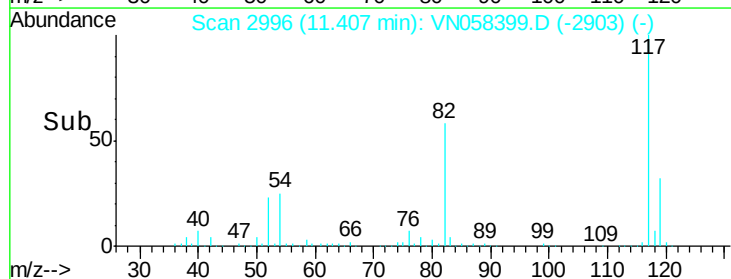
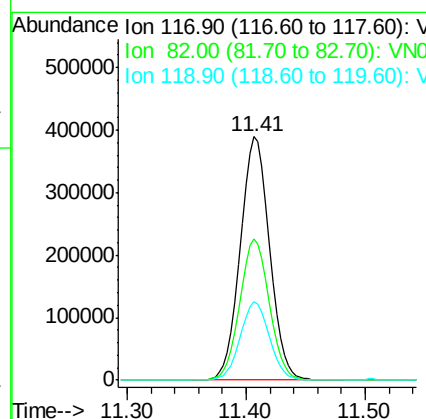
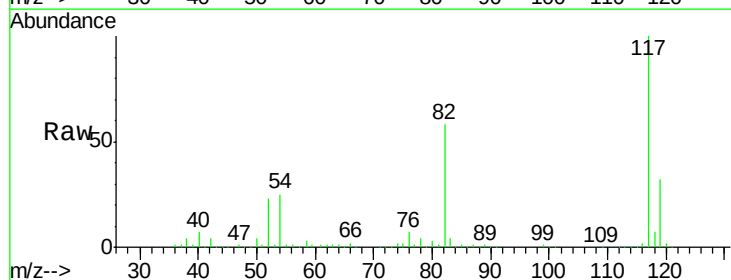
Manual Integrations
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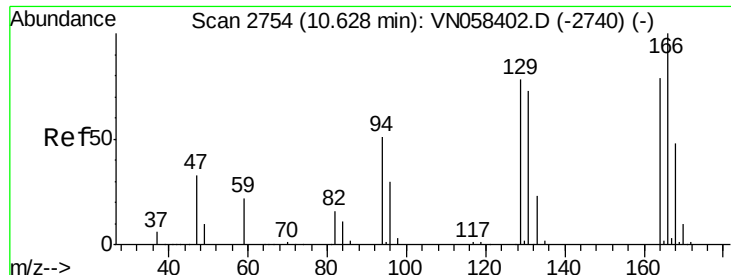
MMDadoda
 9/30/2019 10:18:24 AM



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.41 min Scan# 2996
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion	117	Resp	664390
Ion	Ratio	Lower	Upper
117	100		
82	57.9	47.4	71.0
119	32.0	25.5	38.3





#64

Tetrachloroethene

Concen: 1.297 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. -0.01 min

Lab File: VN058399.D

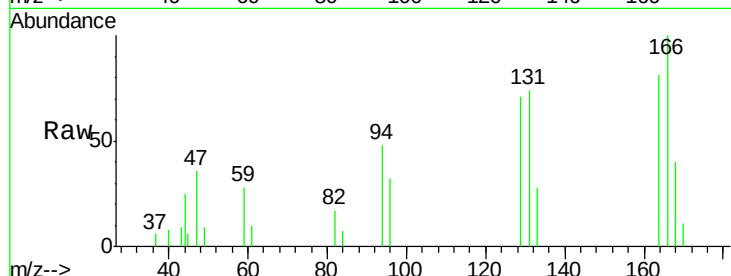
Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001



Tot Ion:164 Resp: 4460

Ion Ratio Lower Upper

164 100

166 123.1 101.1 151.7

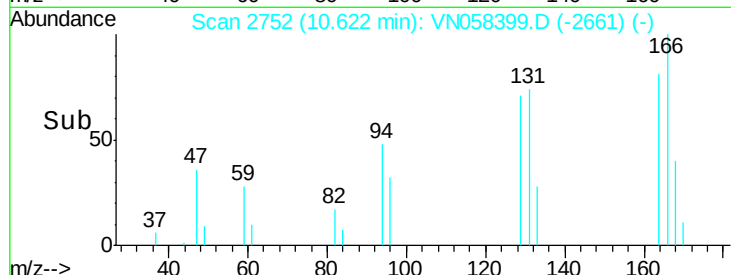
129 87.0 79.2 118.8

131 91.0 74.1 111.1

Manual Integrations
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MMDadoda

9/30/2019 10:18:24 AM

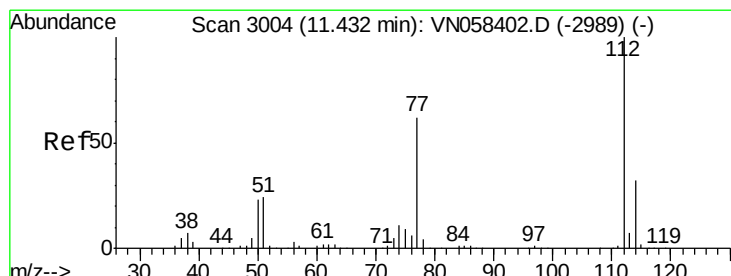
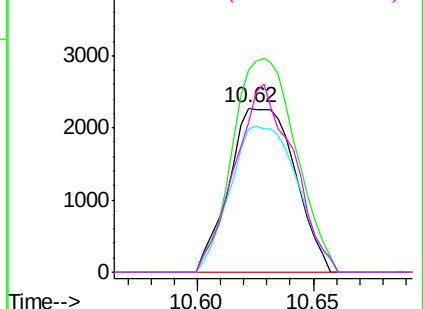


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.151 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN058399.D

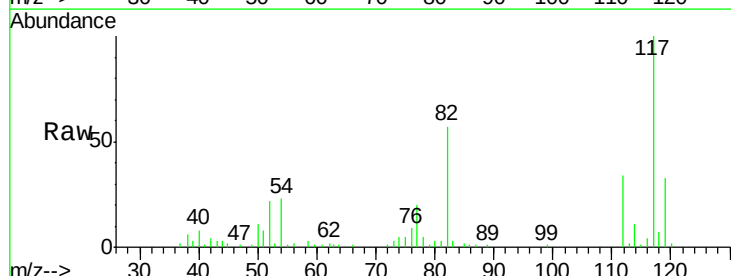
Acq: 27 Sep 2019 11:11

Tgt Ion:112 Resp: 13864

Ion Ratio Lower Upper

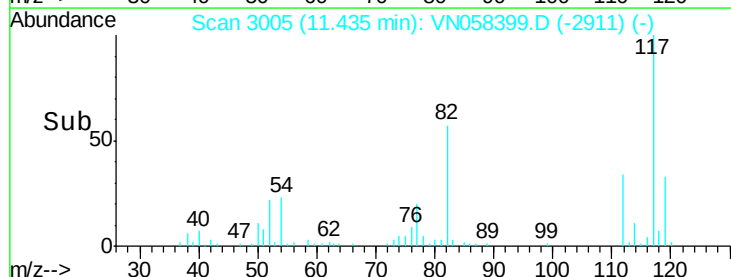
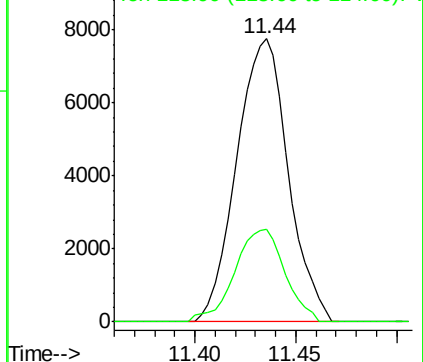
112 100

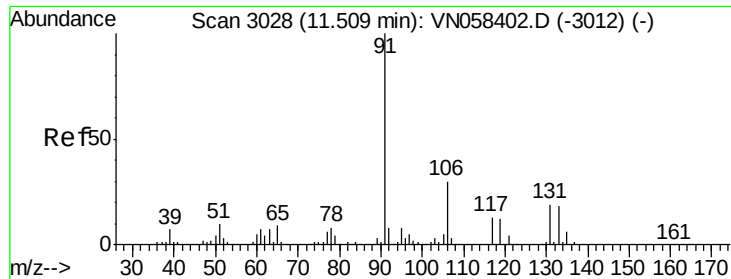
114 32.8 25.4 38.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





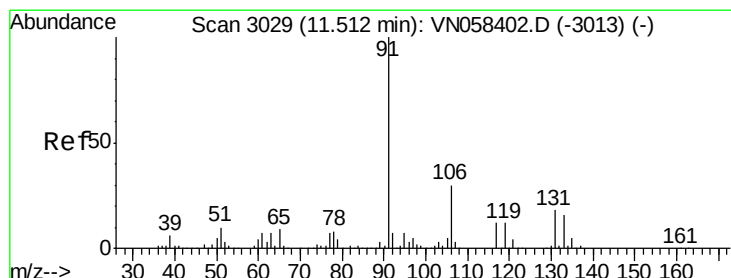
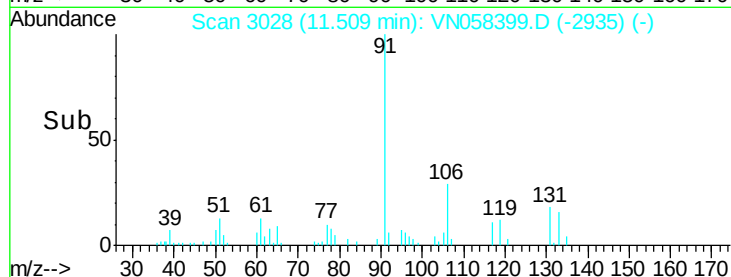
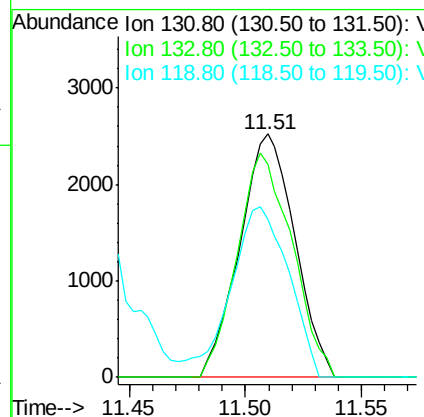
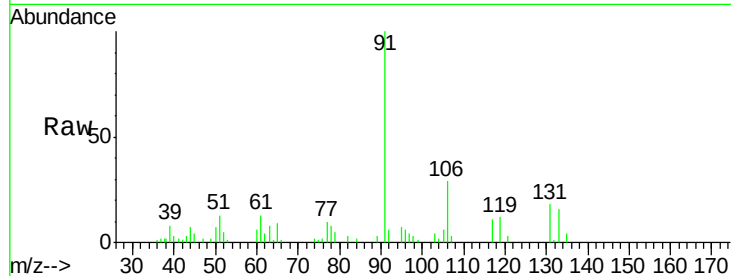
#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.968 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
131	100		
133	91.7	47.8	143.3
119	0.0	33.0	99.0#

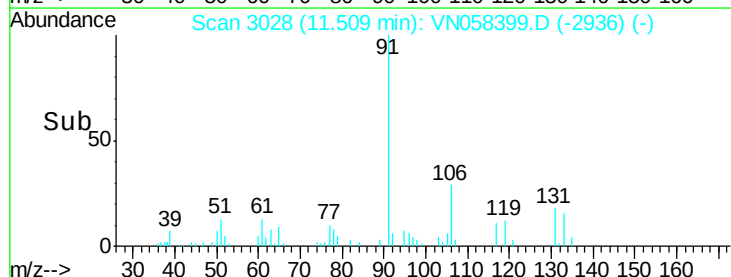
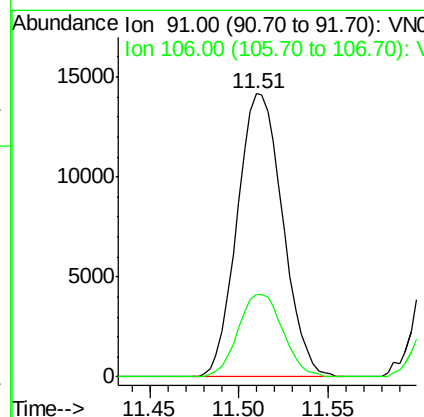
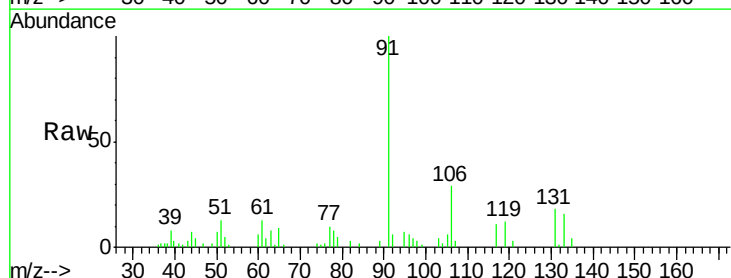
Manual Integrations
 APPROVED

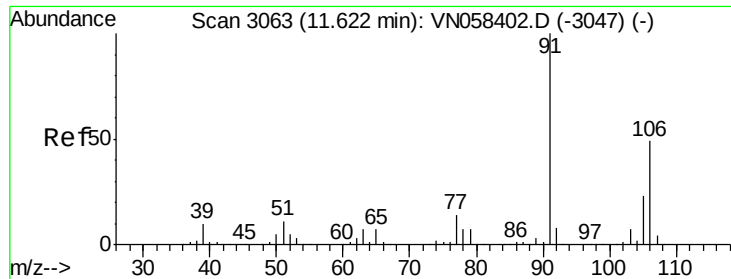
MMDadoda
 9/30/2019 10:18:24 AM



#67
 Ethyl Benzene
 Concen: 1.210 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.9	24.3	36.5





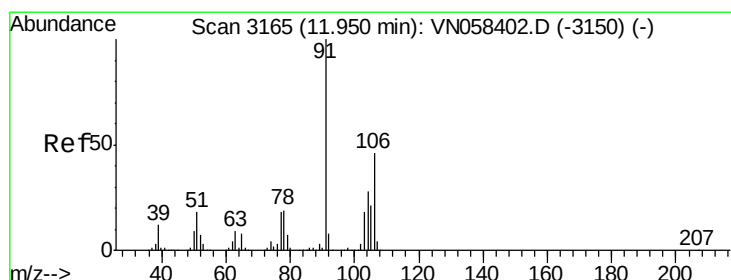
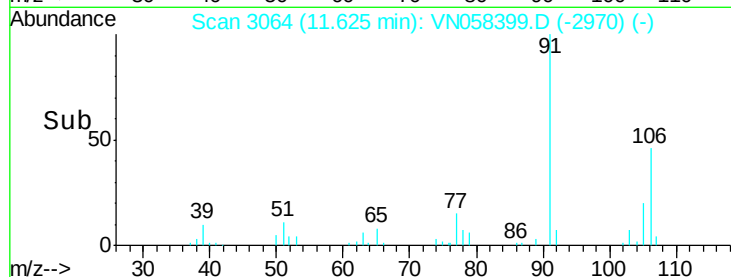
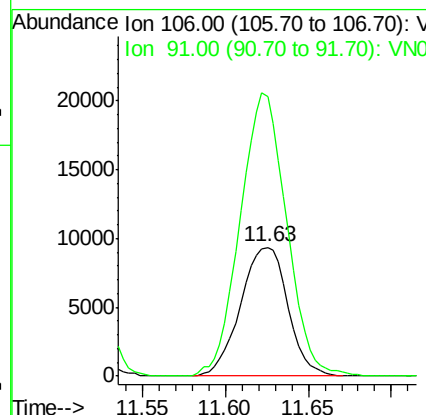
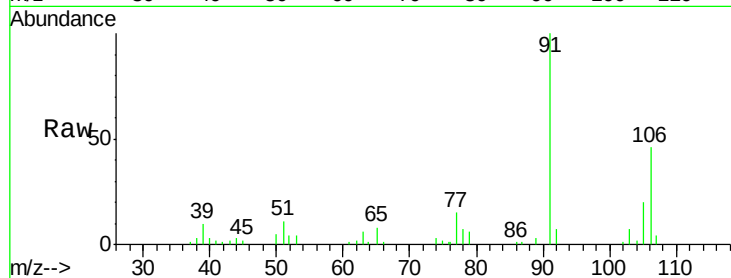
#68
m/p-Xylenes
Concen: 2.373 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 18620
Ion Ratio Lower Upper
106 100
91 215.4 165.0 247.4

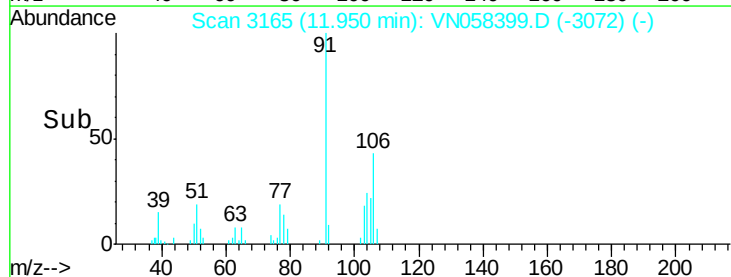
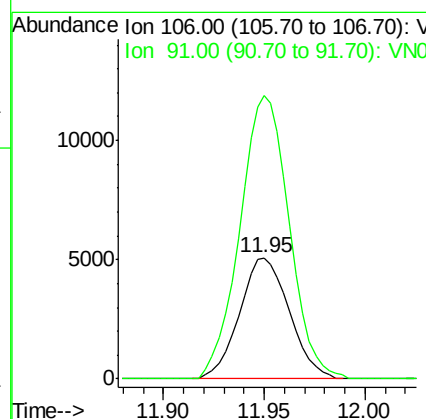
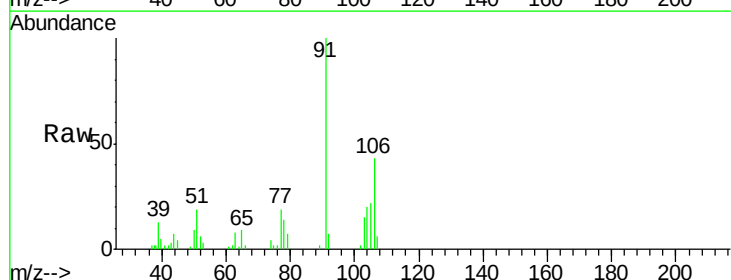
Manual Integrations
APPROVED

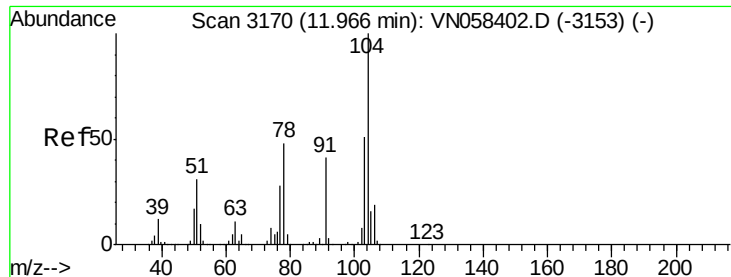
MMDadoda
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#69
o-Xylene
Concen: 1.141 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion:106 Resp: 8755
Ion Ratio Lower Upper
106 100
91 231.4 109.1 327.4





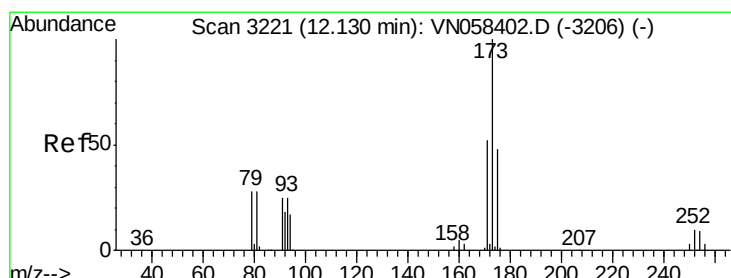
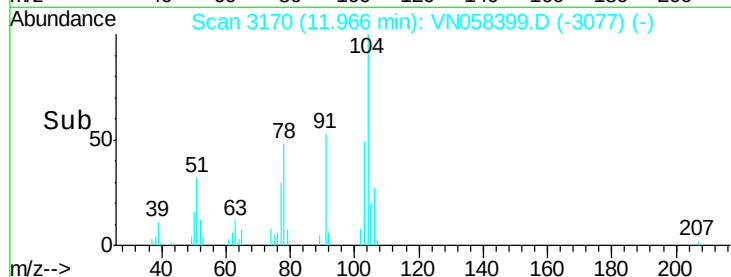
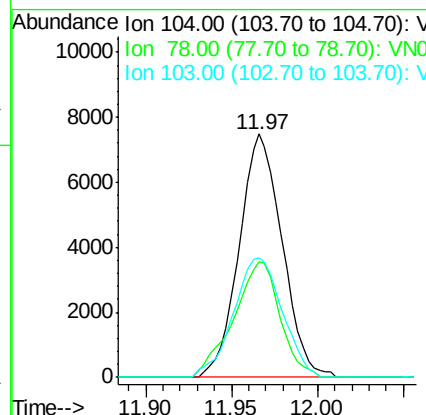
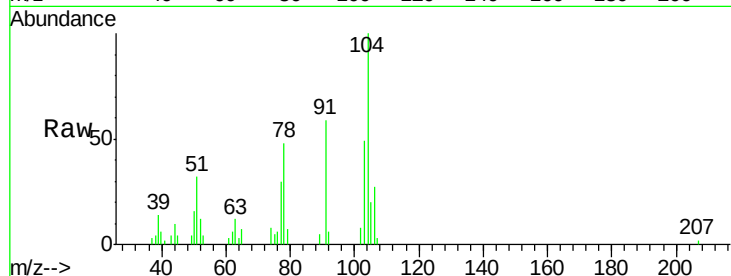
#70
Stvrene
Concen: 0.990 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.3	42.8	64.2
103	55.7	43.7	65.5

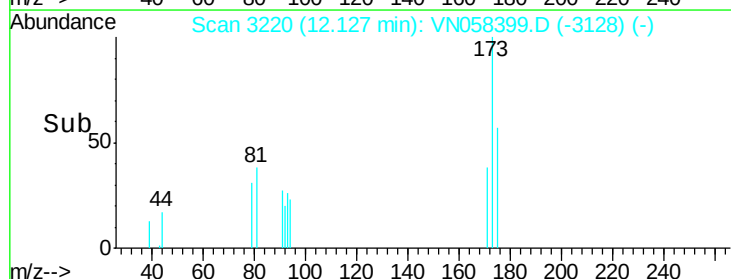
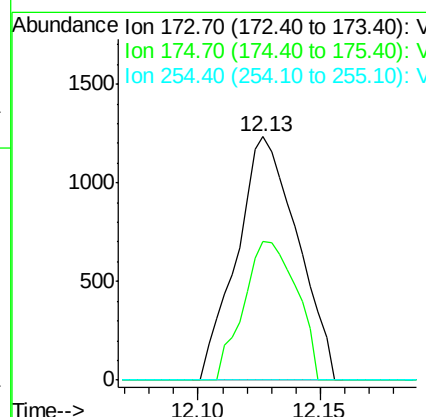
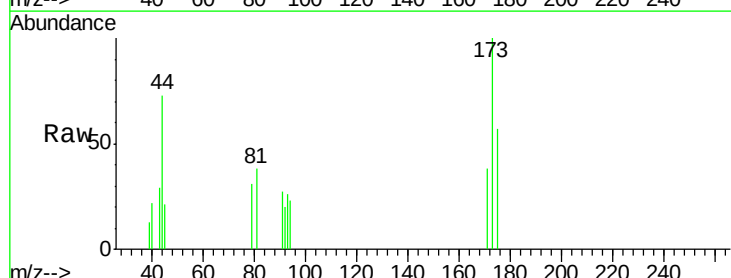
Manual Integrations
APPROVED

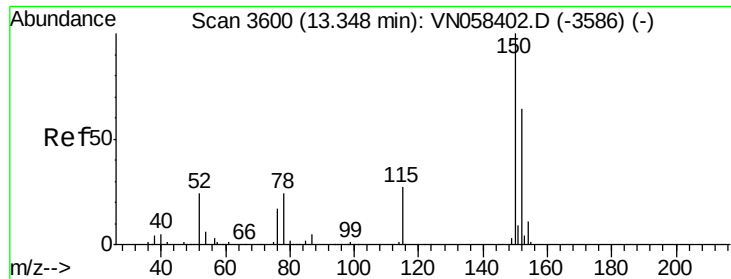
MMDadoda
9/30/2019 10:18:24 AM



#71
Bromoform
Concen: 0.784 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.3	73.0
254	0.0	0.1	0.1#





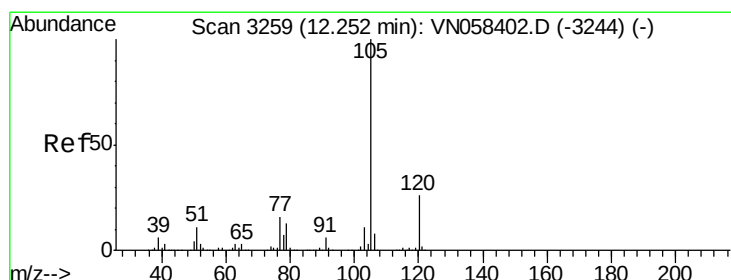
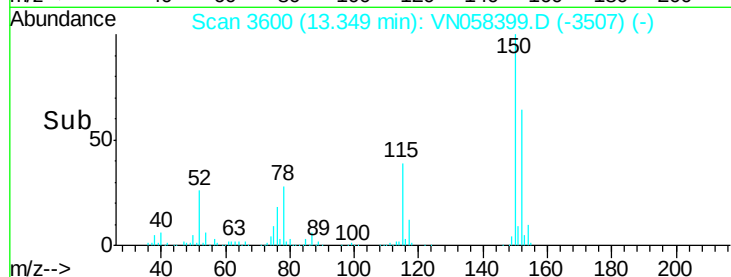
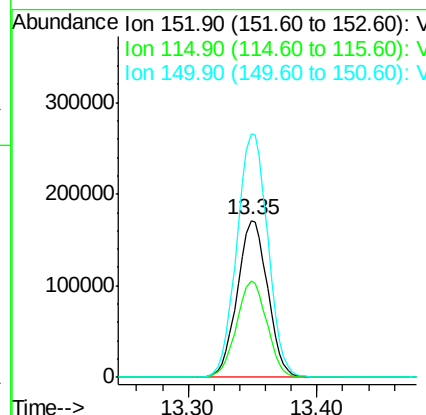
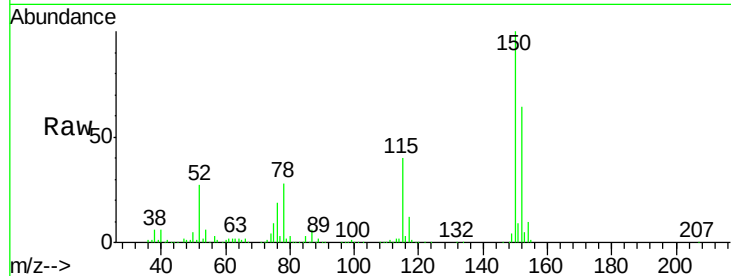
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
152	100	281267		
115	61.0	30.0	90.0	
150	157.8	0.0	348.2	

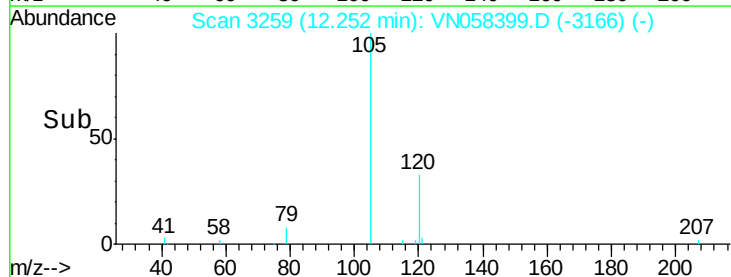
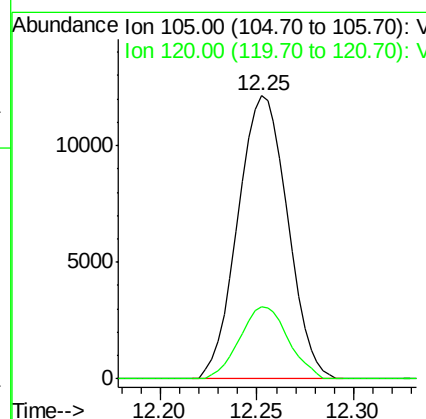
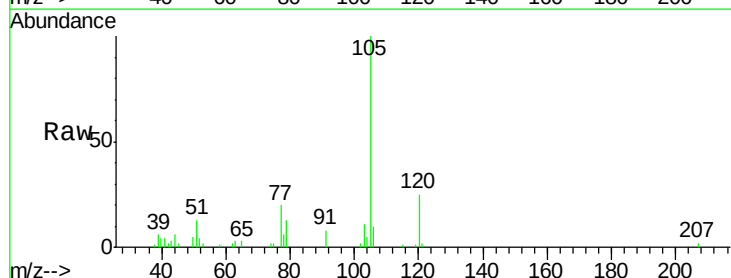
Manual Integrations
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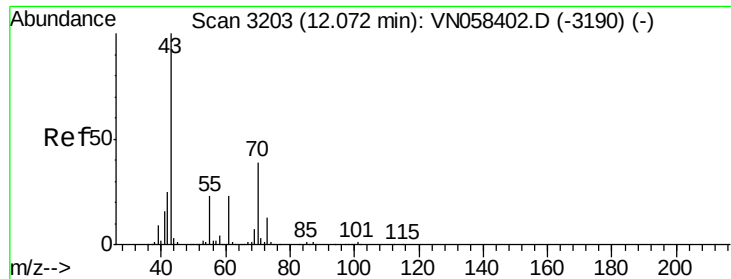
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#73
 Isopropylbenzene
 Concen: 1.190 ug/l
 RT: 12.25 min Scan# 3259
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	21668		
120	25.0	12.8	38.4	





#74

N-amvl acetate

Concen: 0.998 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

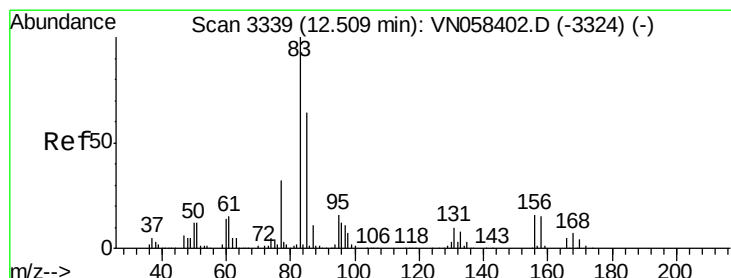
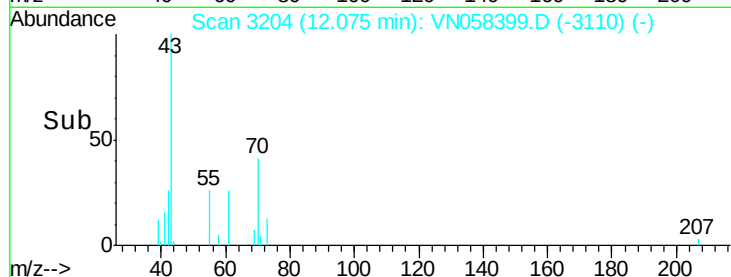
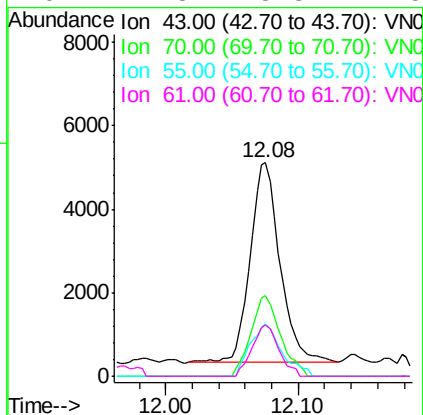
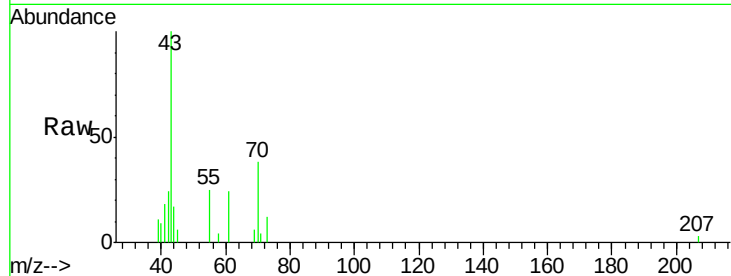
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	7510
Ion	Ratio	Lower	Upper
43	100		
70	39.5	31.4	47.2
55	27.5	18.2	27.4#
61	22.8	18.3	27.5

Manual Integrations
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#75

1,1,2,2-Tetrachloroethane

Concen: 1.111 ug/l

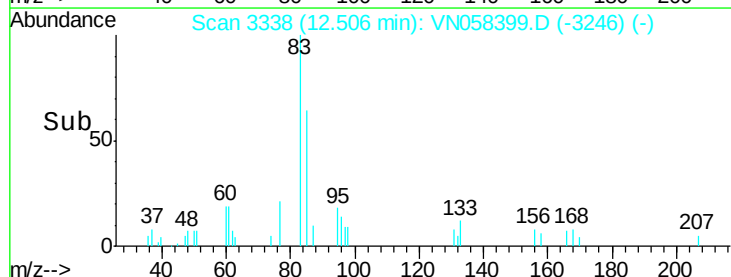
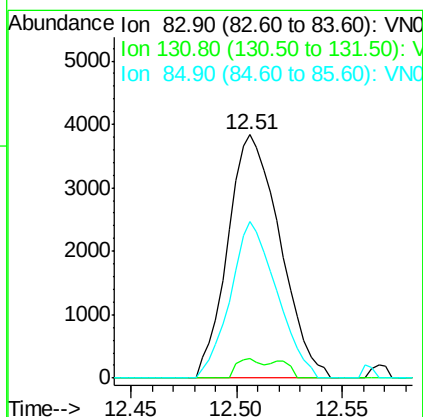
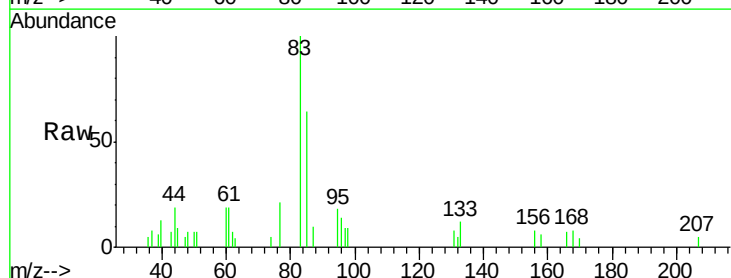
RT: 12.51 min Scan# 3338

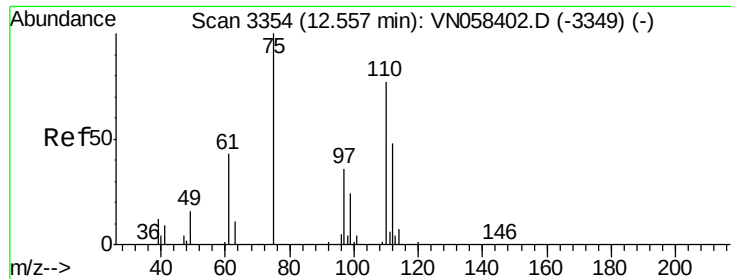
Delta R.T. -0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Tgt Ion:	83	Resp:	6597
Ion	Ratio	Lower	Upper
83	100		
131	3.8	4.9	14.7#
85	57.1	32.0	96.0





#76

1,2,3-Trichloropropane

Concen: 0.999 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 75 Resp: 5102

Ion Ratio Lower Upper

75 100

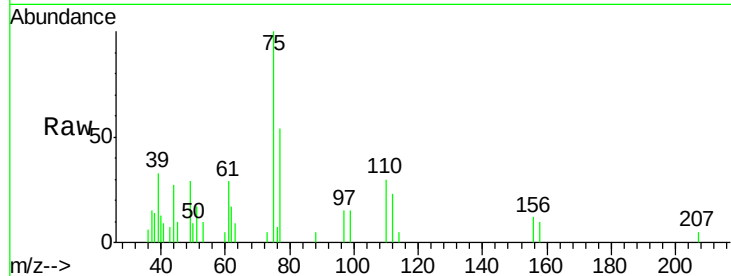
77 0.0 0.0 0.0

Manual Integrations

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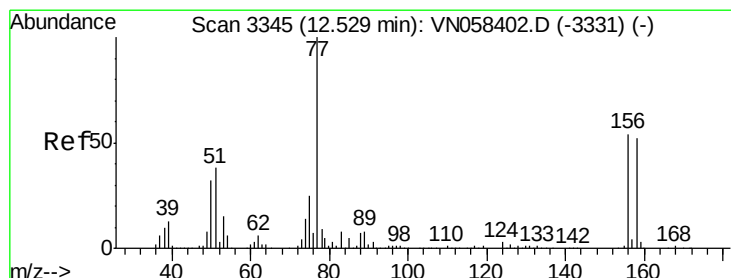
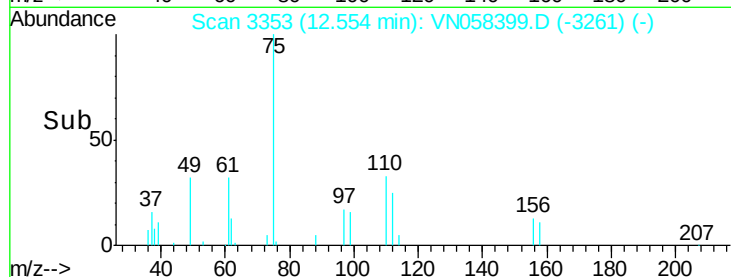
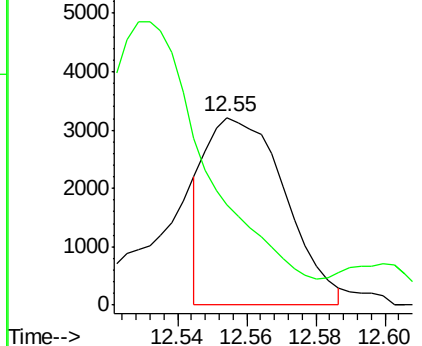
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#77

Bromobenzene

Concen: 1.162 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

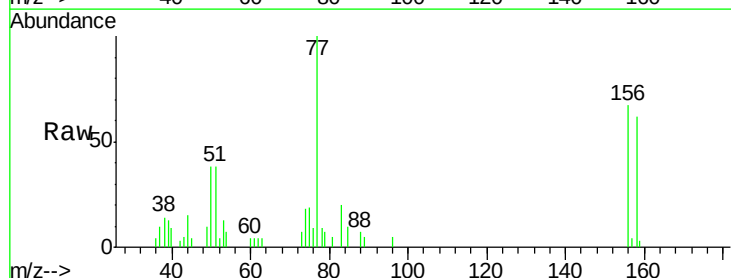
Tgt Ion: 156 Resp: 5274

Ion Ratio Lower Upper

156 100

77 211.9 110.0 330.0

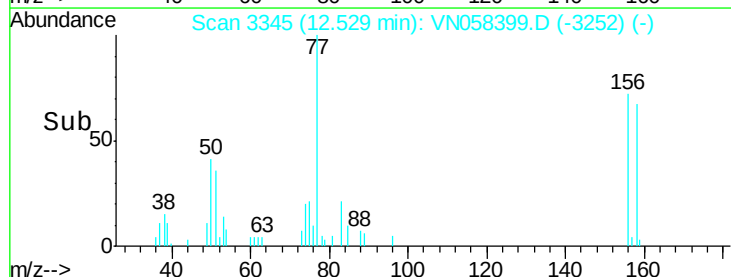
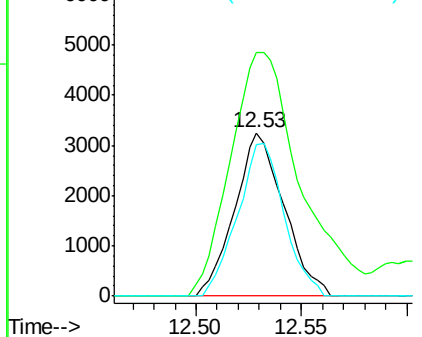
158 88.7 47.9 143.8

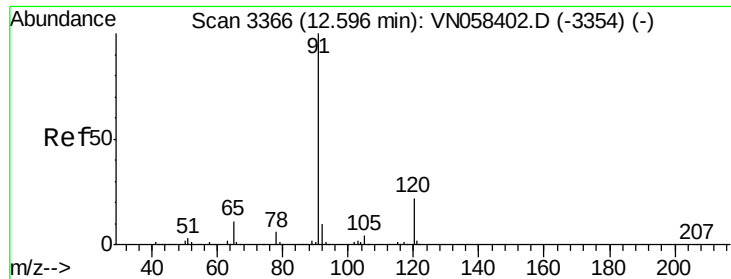


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#78

n-propylbenzene

Concen: 1.142 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 23646

Ion Ratio Lower Upper

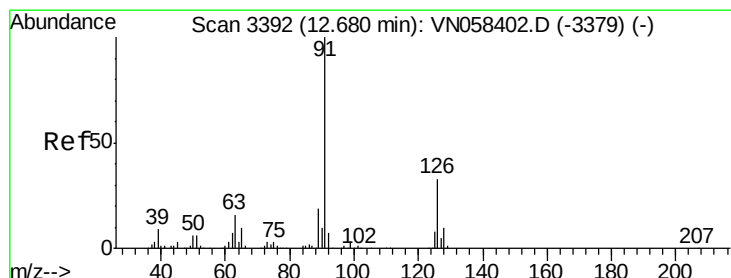
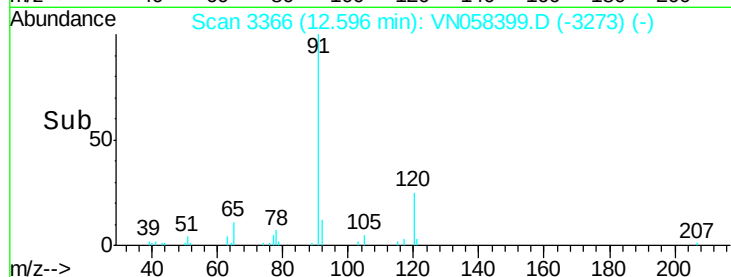
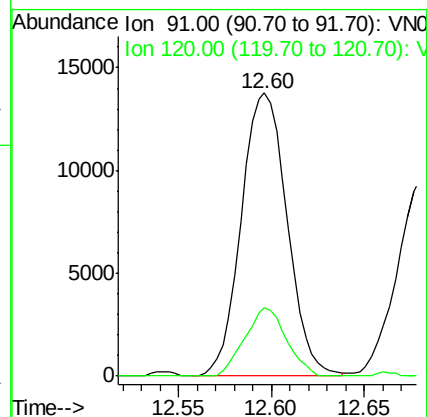
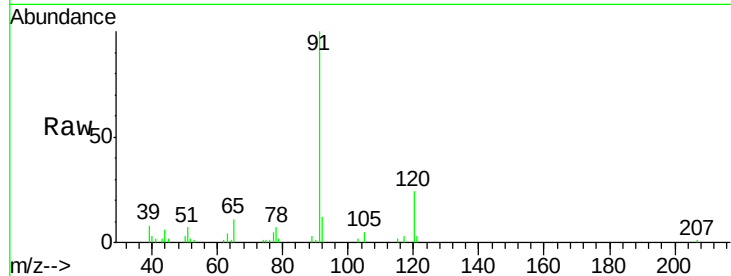
91 100

120 21.8 10.9 32.9

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#79

2-Chlorotoluene

Concen: 1.202 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058399.D

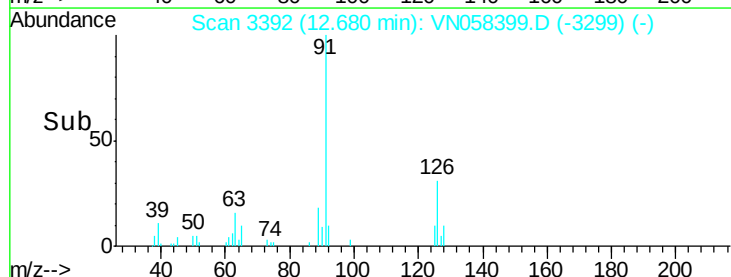
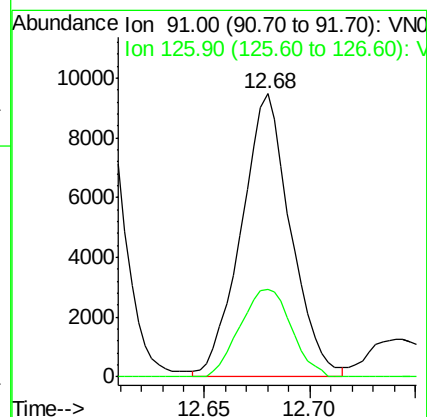
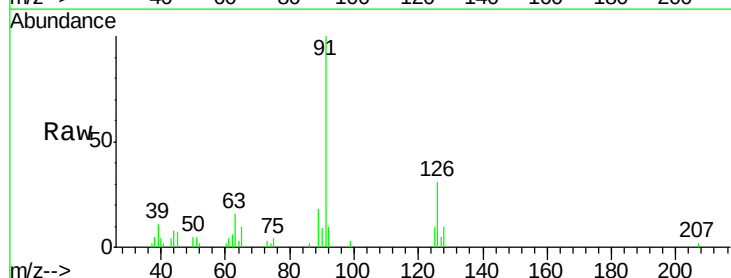
Acq: 27 Sep 2019 11:11

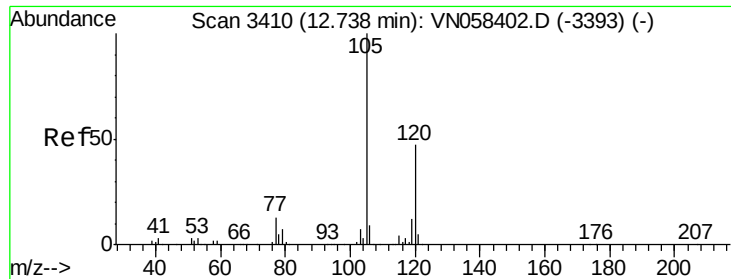
Tgt Ion: 91 Resp: 15467

Ion Ratio Lower Upper

91 100

126 32.2 16.2 48.6





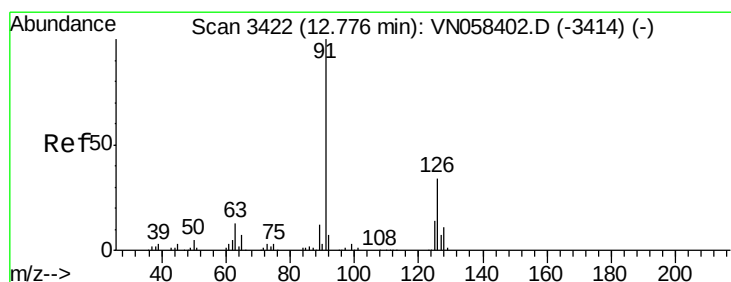
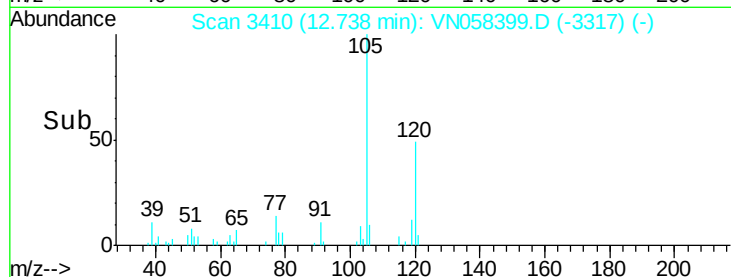
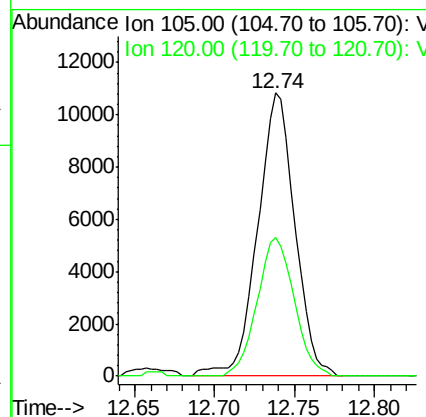
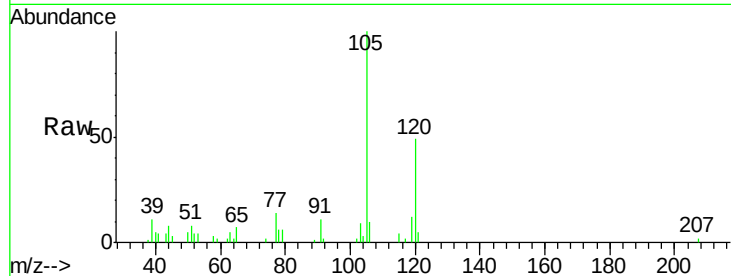
#80
 1,3,5-Trimethylbenzene
 Concen: 1.127 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 17290
 Ion Ratio Lower Upper
 105 100
 120 48.7 23.5 70.6

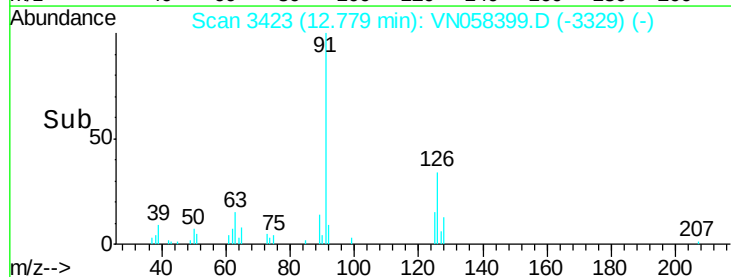
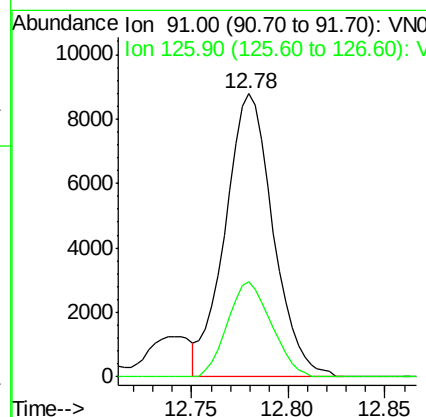
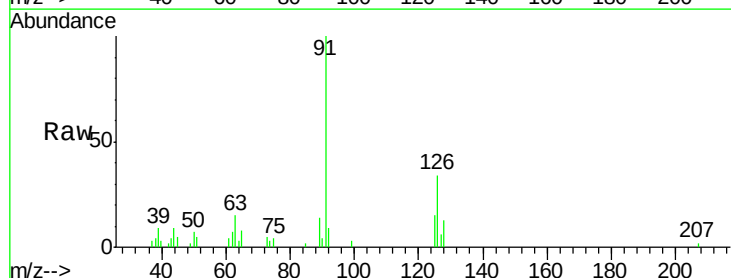
Manual Integrations
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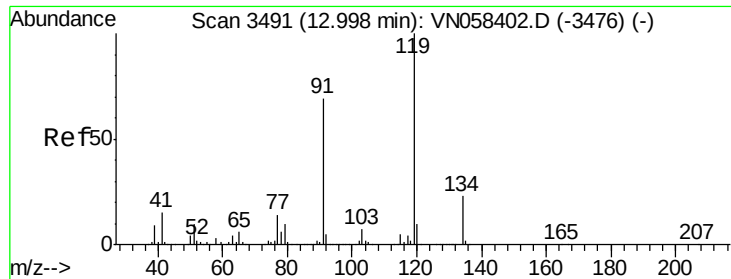
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#82
 4-Chlorotoluene
 Concen: 1.125 ug/l
 RT: 12.78 min Scan# 3423
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion: 91 Resp: 15130
 Ion Ratio Lower Upper
 91 100
 126 30.8 15.9 47.7





#83

tert-Butylbenzene

Concen: 1.071 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

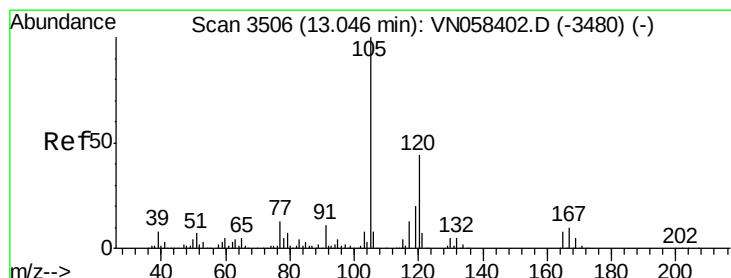
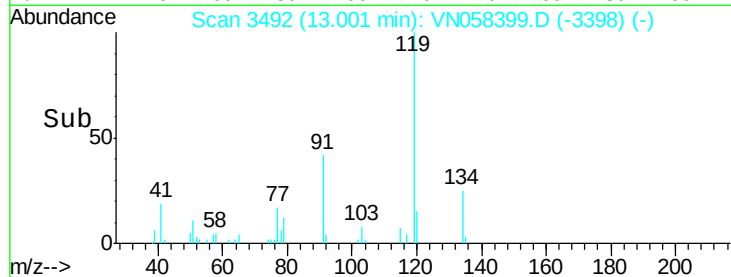
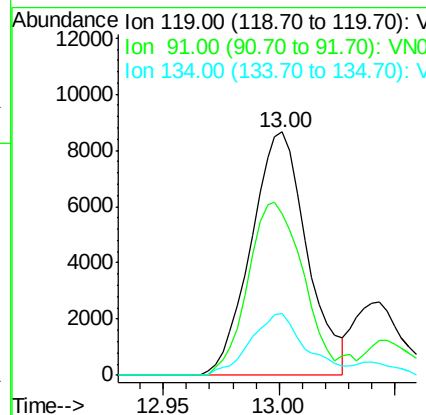
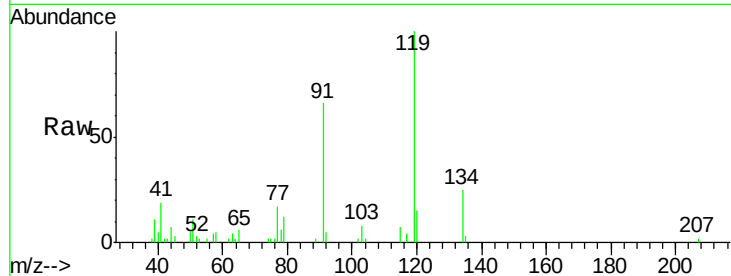
ClientSampleId :

VSTDIC001

Tot Ion:	119	Resp:	14511
Ion Ratio	Lower	Upper	
119	100		
91	69.7	34.2	102.6
134	24.7	11.6	34.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 1.161 ug/l

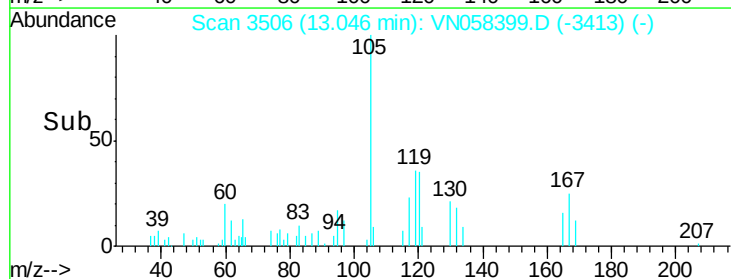
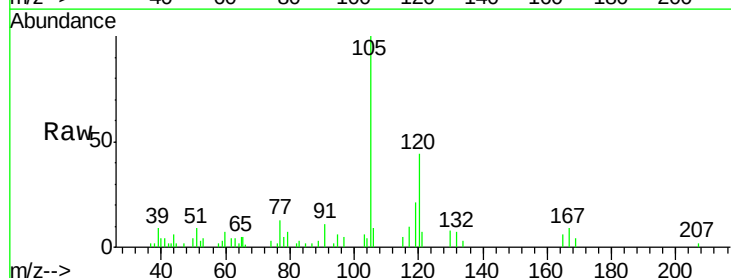
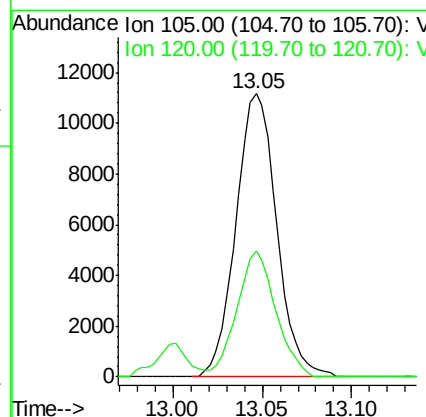
RT: 13.05 min Scan# 3506

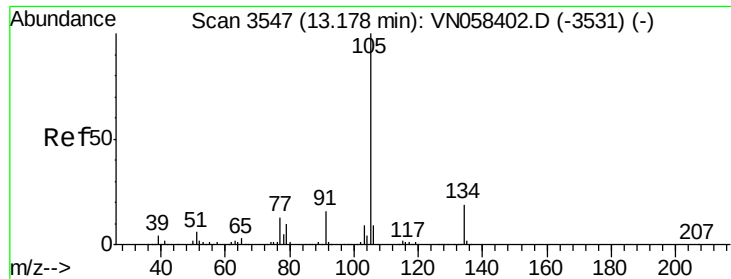
Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Tgt Ion:	105	Resp:	17729
Ion Ratio	Lower	Upper	
105	100		
120	42.2	21.7	65.1





#85

sec-Butylbenzene

Concen: 1.114 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:105 Resp: 19740

Ion Ratio Lower Upper

105 100

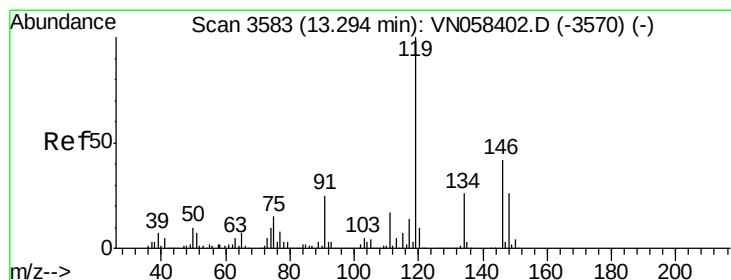
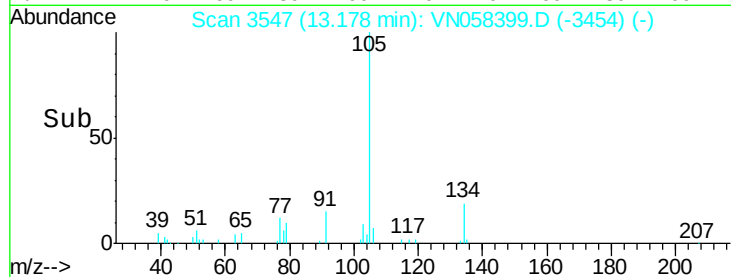
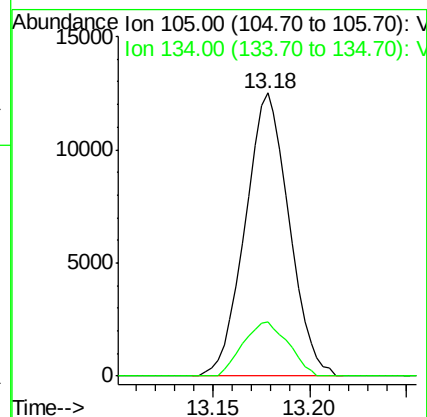
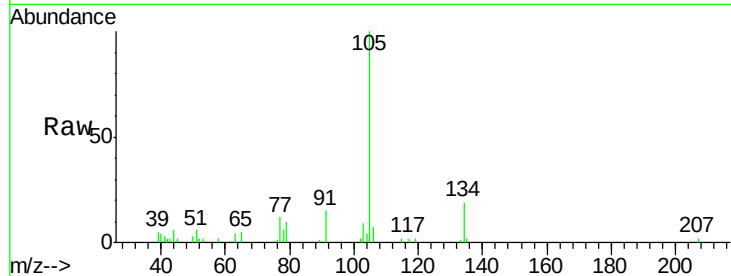
134 19.7 9.4 28.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 1.018 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

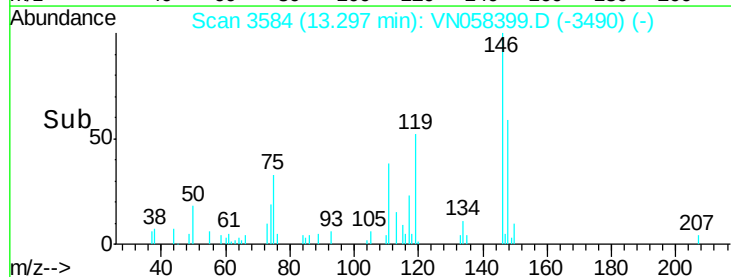
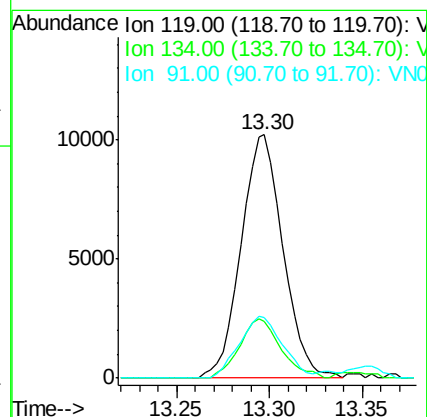
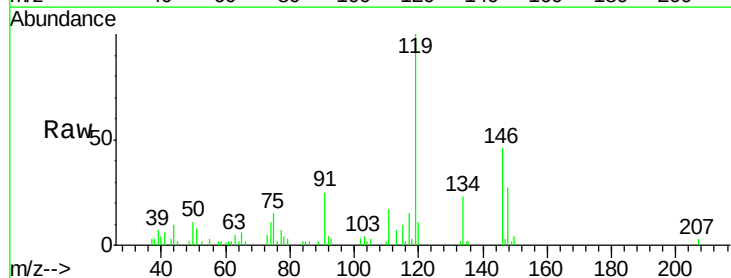
Tgt Ion:119 Resp: 16001

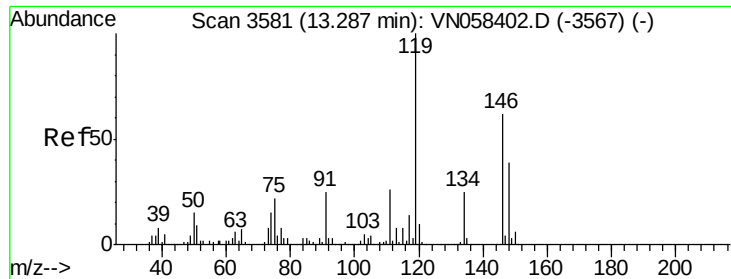
Ion Ratio Lower Upper

119 100

134 24.1 13.0 39.0

91 26.2 12.4 37.0





#87

1,3-Dichlorobenzene

Concen: 1.185 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

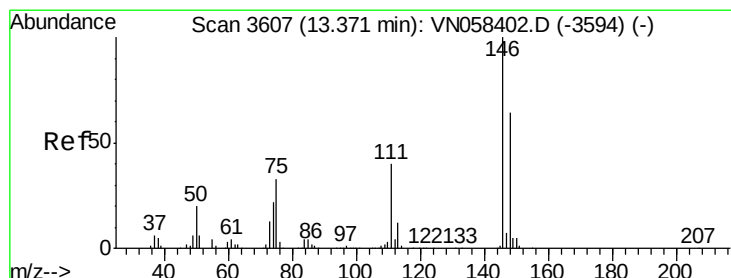
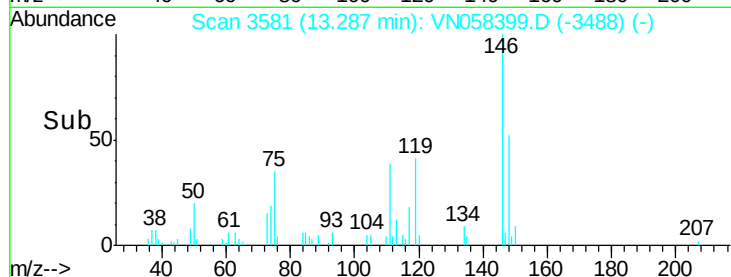
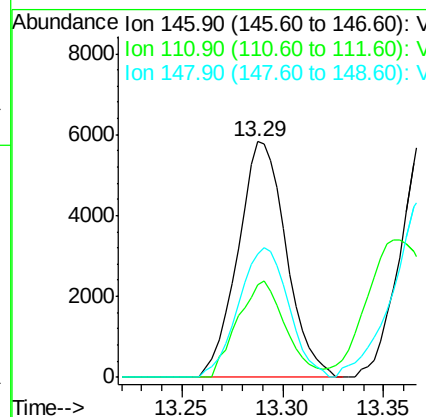
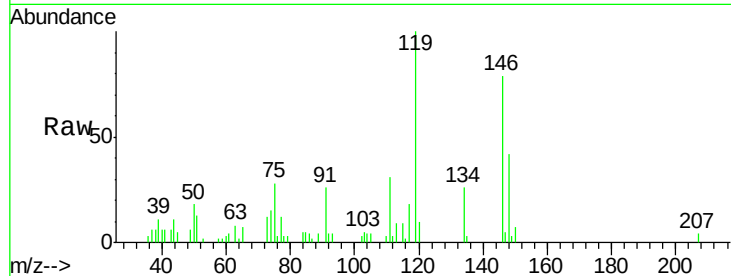
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	9753
Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.8	62.4
148	56.9	31.4	94.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 1.101 ug/l m

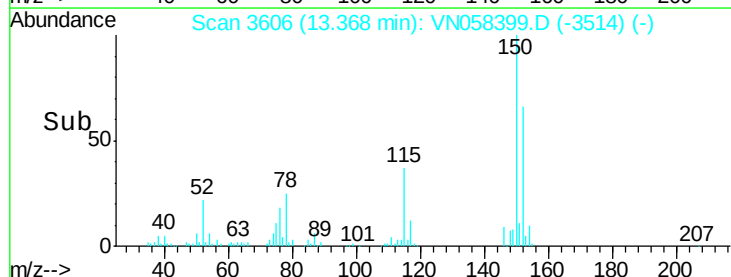
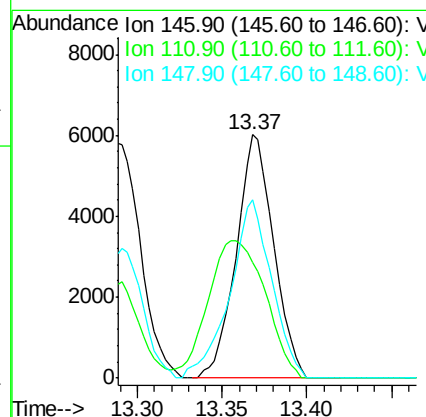
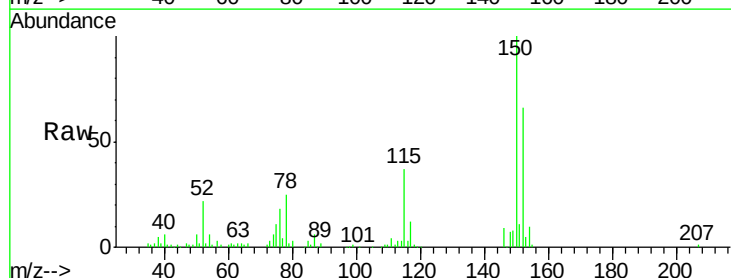
RT: 13.37 min Scan# 3606

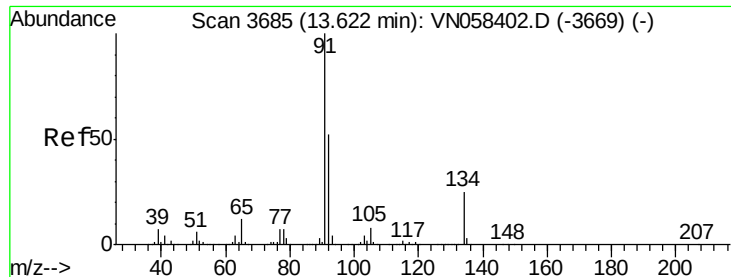
Delta R.T. -0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Tgt Ion:	146	Resp:	9223
Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.5	61.6
148	60.1	31.5	94.5





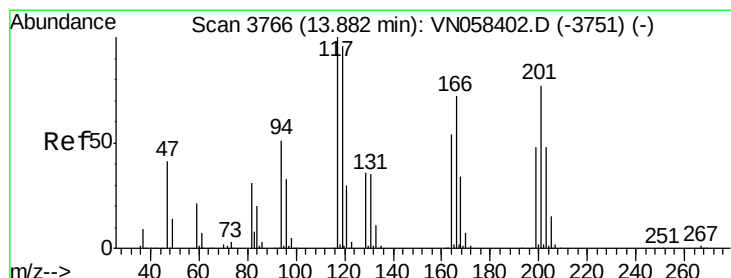
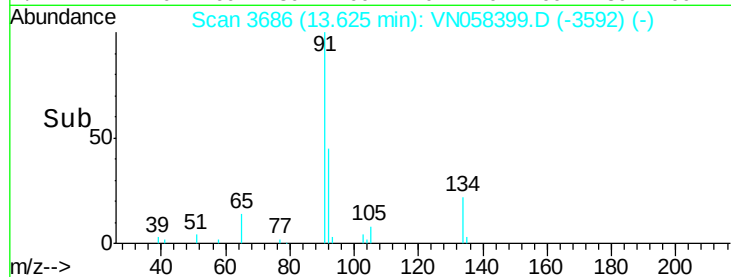
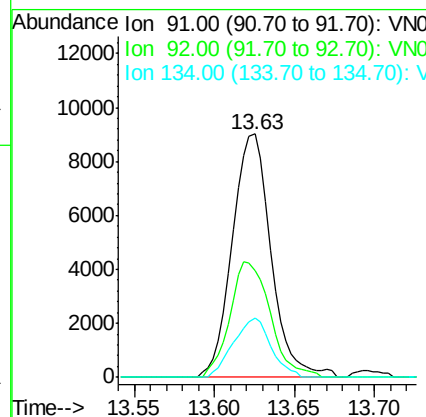
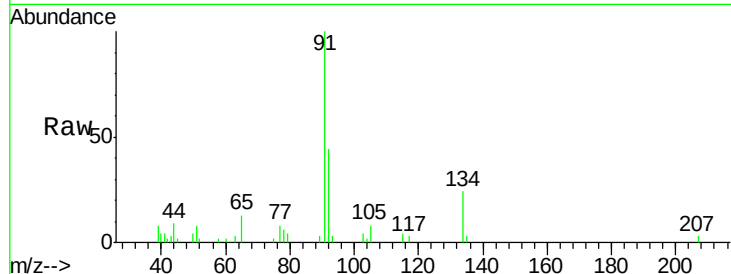
#89
n-Butylbenzene
Concen: 1.013 ug/l
RT: 13.63 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
92	49.3	25.7	77.1	
134	23.5	12.2	36.6	

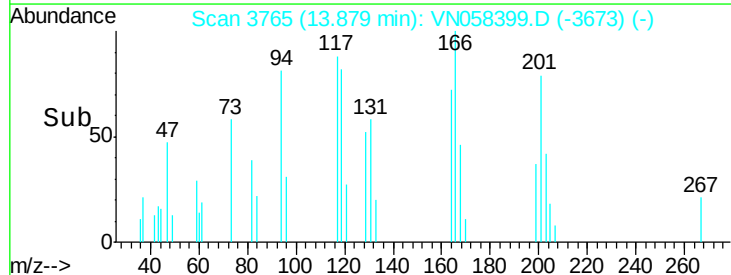
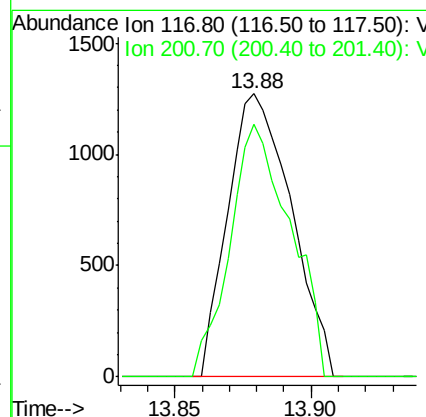
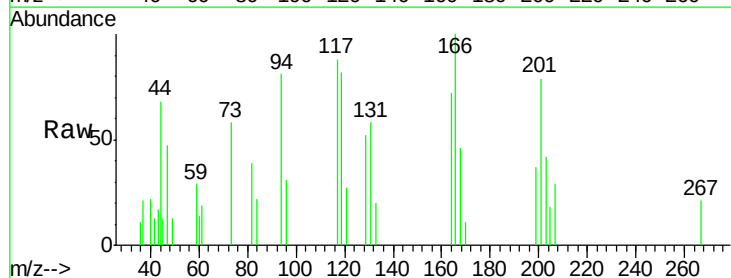
Manual Integrations
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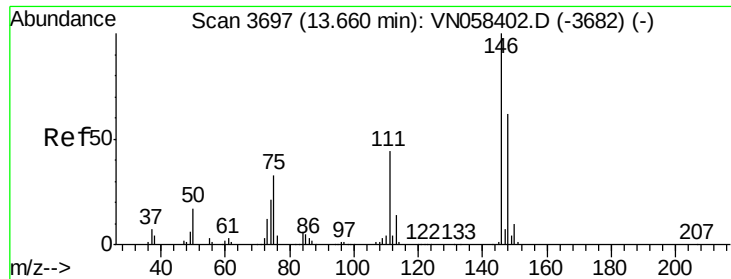
MMDadoda
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#90
Hexachloroethane
Concen: 0.847 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058399.D
Acq: 27 Sep 2019 11:11

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
201	85.0	38.6	116.0	





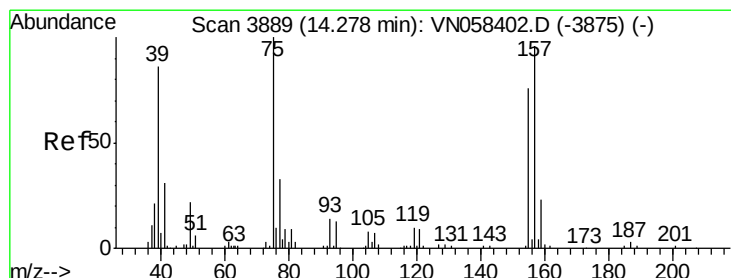
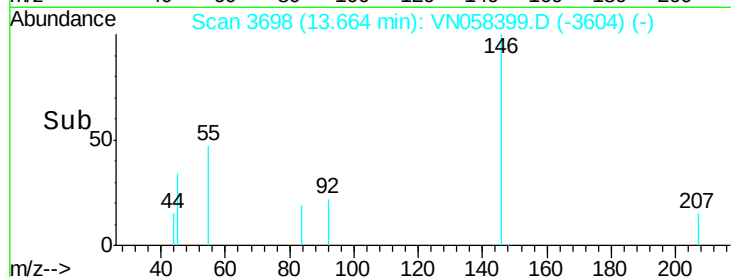
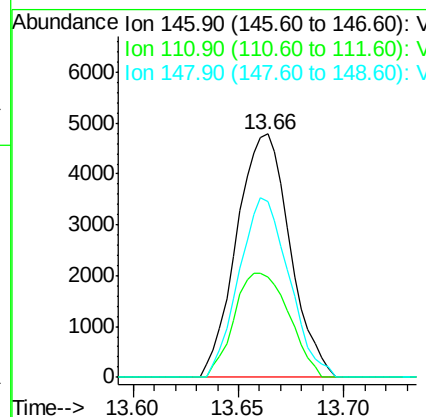
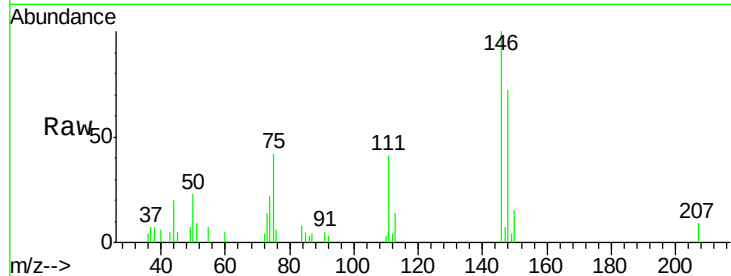
#91
 1,2-Dichlorobenzene
 Concen: 1.026 ug/l
 RT: 13.66 min Scan# 3698
 Delta R.T. 0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.8	65.3
148	69.3	31.5	94.5

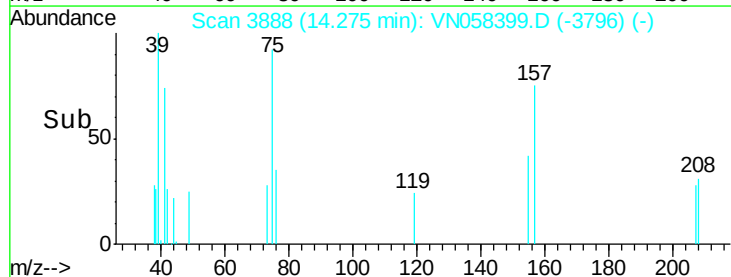
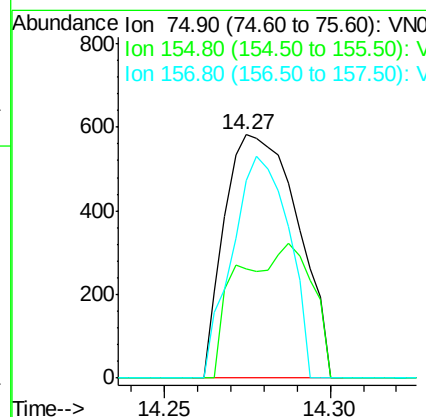
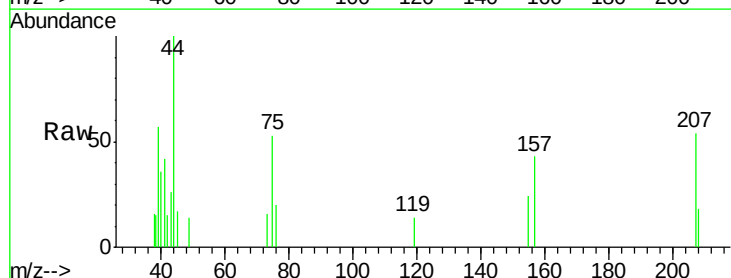
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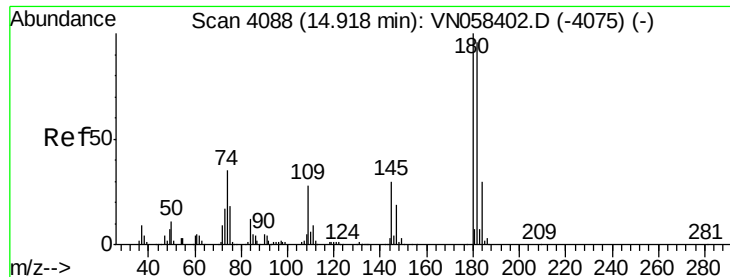
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.839 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. -0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion	Ratio	Lower	Upper
75	100		
155	21.6	39.2	117.6#
157	70.1	48.7	146.1





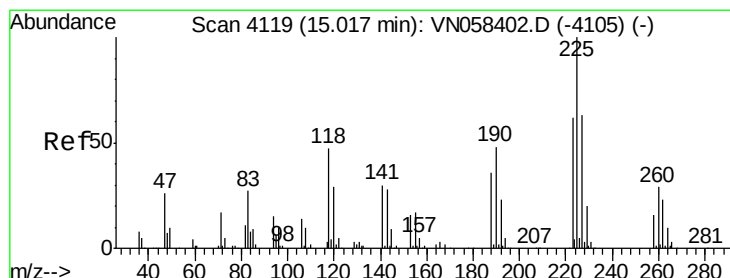
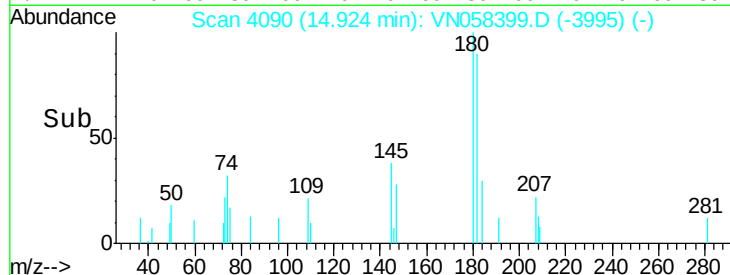
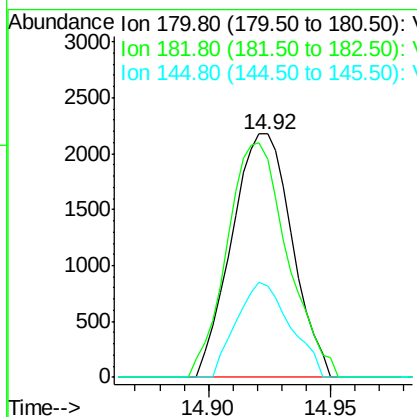
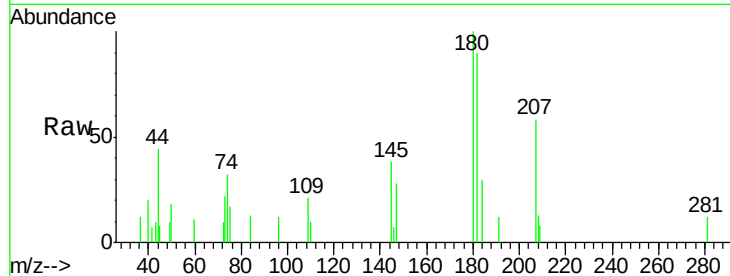
#93
 1,2,4-Trichlorobenzene
 Concen: 0.723 ug/l
 RT: 14.92 min Scan# 4090
 Delta R.T. 0.01 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
180	100	3722		
182	96.8		47.4	142.3
145	34.8		15.3	45.9

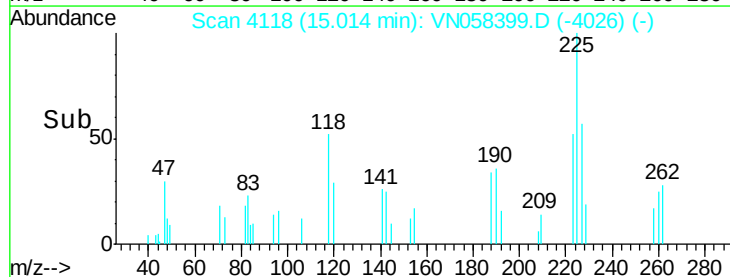
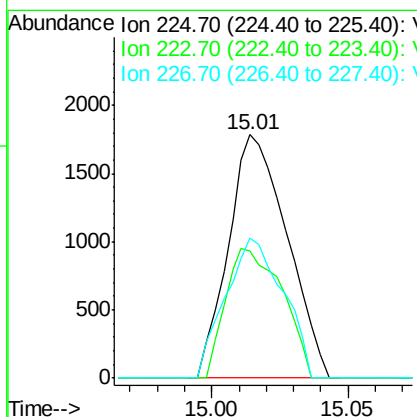
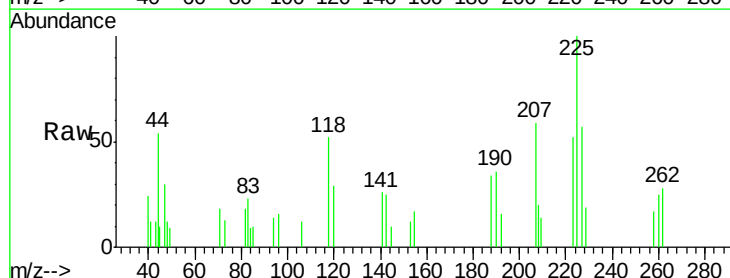
Manual Integrations
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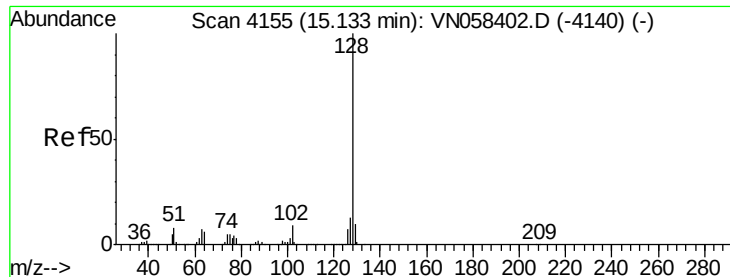
MMDadoda
 9/30/2019 10:18:24 AM



#94
 Hexachlorobutadiene
 Concen: 1.068 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058399.D
 Acq: 27 Sep 2019 11:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	2664		
223	51.7		31.1	93.5
227	56.5		31.4	94.2





#95

Naphthalene

Concen: 0.681 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Instrument :

MSVOA_N

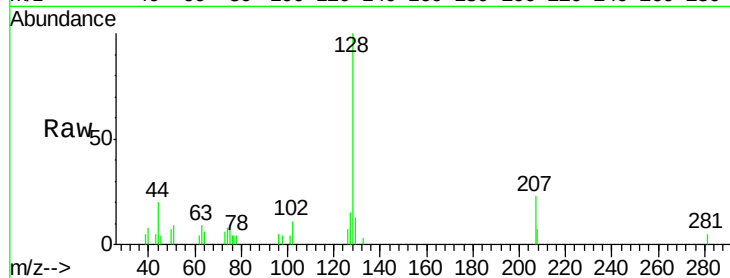
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	9071
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.4
129	12.4	8.3	12.5

Manual Integrations
APPROVED

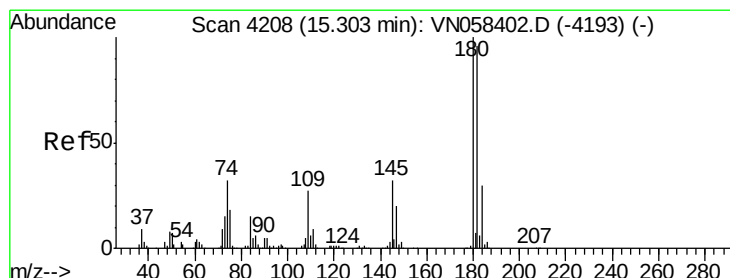
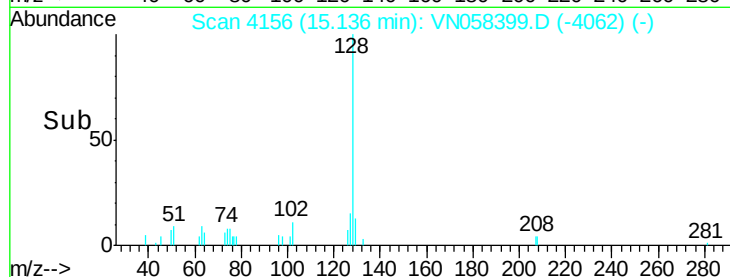
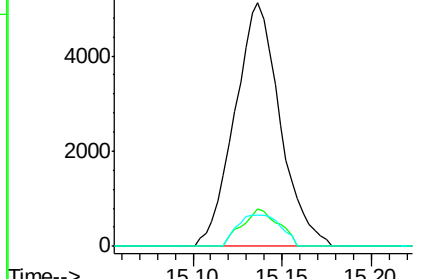
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.675 ug/l

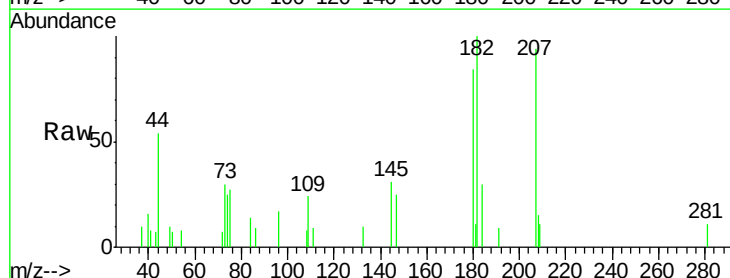
RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058399.D

Acq: 27 Sep 2019 11:11

Tgt Ion:	180	Resp:	3263
Ion	Ratio	Lower	Upper
180	100		
182	107.0	48.3	144.9
145	34.5	16.1	48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

