

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112019\
 Data File : VN059322.D
 Acq On : 20 Nov 2019 12:52
 Operator : JC/SP
 Sample : VSTDIC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

MMDadoda
 11/21/2019 11:07:58 AM

Quant Time: Nov 21 08:45:37 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 20 15:04:54 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	411806	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	658453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	589256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	283930	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	498615	98.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.00%	
35) Dibromofluoromethane	7.57	113	396969	100.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	201.94%	
50) Toluene-d8	10.08	98	1588239	102.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.12%	
62) 4-Bromofluorobenzene	12.40	95	571941	102.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	204.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	531907	128.198	ug/l	100
3) Chloromethane	2.04	50	630400	111.772	ug/l	100
4) Vinyl Chloride	2.17	62	679065	124.186	ug/l	100
5) Bromomethane	2.53	94	363162m	115.410	ug/l	
6) Chloroethane	2.68	64	345901	106.935	ug/l	100
7) Trichlorofluoromethane	3.00	101	684411	104.642	ug/l	100
8) Diethyl Ether	3.39	74	295959	111.365	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	428227	108.590	ug/l	99
10) Methyl Iodide	3.93	142	602645	123.460	ug/l	98
11) Tert butyl alcohol	4.76	59	520326	539.345	ug/l	99
12) 1,1-Dichloroethene	3.71	96	436484	113.623	ug/l	98
13) Acrolein	3.58	56	470989	946.905	ug/l	99
14) Allyl chloride	4.29	41	840127	106.467	ug/l	97
15) Acrylonitrile	4.95	53	1354808	564.292	ug/l	99
16) Acetone	3.79	43	1110173	421.731	ug/l	98
17) Carbon Disulfide	4.03	76	1373126	115.148	ug/l	100
18) Methyl Acetate	4.30	43	756928	121.142	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	1481687	112.030	ug/l	100
20) Methylene Chloride	4.52	84	483804	105.494	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	467683	113.420	ug/l	95
22) Diisopropyl ether	5.92	45	1601535	107.451	ug/l	97
23) Vinyl Acetate	5.87	43	6290250	544.538	ug/l	96
24) 1,1-Dichloroethane	5.82	63	891903	107.139	ug/l	99
25) 2-Butanone	6.81	43	1822985	525.450	ug/l	98
26) 2,2-Dichloropropane	6.80	77	745622	102.431	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	527675	110.302	ug/l	98
28) Bromochloromethane	7.17	49	353000	140.943	ug/l	97
29) Tetrahydrofuran	7.19	42	1244368	564.483	ug/l	97
30) Chloroform	7.35	83	848786	106.288	ug/l	100
31) Cyclohexane	7.63	56	842698	106.929	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	730671	108.828	ug/l	98
36) 1,1-Dichloropropene	7.77	75	679979	110.483	ug/l	100
37) Ethyl Acetate	6.91	43	740259	108.117	ug/l	98
38) Carbon Tetrachloride	7.75	117	650209	106.143	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	833517	116.691	ug/l	98
40) Benzene	8.02	78	1991778	107.468	ug/l	100
41) Methacrylonitrile	7.16	41	340869m	114.489	ug/l	
42) 1,2-Dichloroethane	8.10	62	661414	104.052	ug/l	99
43) Isopropyl Acetate	8.15	43	1179701	108.075	ug/l	99
44) Trichloroethene	8.82	130	500276	109.808	ug/l	99
45) 1,2-Dichloropropane	9.10	63	538914	107.053	ug/l	100
46) Dibromomethane	9.19	93	332200	105.898	ug/l	99
47) Bromodichloromethane	9.39	83	672399	107.343	ug/l	97
48) Methyl methacrylate	9.19	41	545072	111.638	ug/l	97
49) 1,4-Dioxane	9.19	88	164052	1890.670	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	3390357	548.930	ug/l	95
52) Toluene	10.15	92	1217556	109.605	ug/l	97
53) t-1,3-Dichloropropene	10.37	75	793646	109.665	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	864770	111.086	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	472014	104.992	ug/l	100
56) Ethyl methacrylate	10.42	69	795622	119.225	ug/l	97
57) 1,3-Dichloropropane	10.70	76	827615	106.960	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	1405716	561.839	ug/l	99
59) 2-Hexanone	10.75	43	2595922	547.594	ug/l	95
60) Dibromochloromethane	10.90	129	521356	109.683	ug/l	99
61) 1,2-Dibromoethane	11.00	107	502851	110.490	ug/l	100
64) Tetrachloroethene	10.63	164	431794	107.764	ug/l	99
65) Chlorobenzene	11.43	112	1261175	109.792	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	468354	108.692	ug/l	99
67) Ethyl Benzene	11.51	91	2271451	111.453	ug/l	96
68) m/p-Xylenes	11.62	106	1734520	227.203	ug/l	93
69) o-Xylene	11.95	106	826325	112.003	ug/l	96
70) Styrene	11.96	104	1386358	119.481	ug/l	99
71) Bromoform	12.13	173	384937	114.848	ug/l #	100
73) Isopropylbenzene	12.25	105	2183805	105.737	ug/l	98
74) N-amyl acetate	12.07	43	981950	112.203	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	721406	102.569	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	607155m	93.927	ug/l	
77) Bromobenzene	12.53	156	530584	102.253	ug/l	100
78) n-propylbenzene	12.59	91	2545703	107.651	ug/l	98
79) 2-Chlorotoluene	12.68	91	1514020	103.205	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1855358	106.017	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	275957	112.757	ug/l	96
82) 4-Chlorotoluene	12.77	91	1561471	106.124	ug/l	98
83) tert-Butylbenzene	12.99	119	1584265	104.827	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	1845838	109.017	ug/l	100
85) sec-Butylbenzene	13.17	105	2129244	108.330	ug/l	99
86) p-Isopropyltoluene	13.29	119	1938908	111.721	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	954248	107.393	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	948373	106.675	ug/l	99
89) n-Butylbenzene	13.62	91	1773891	116.782	ug/l	99
90) Hexachloroethane	13.88	117	358471	102.864	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	922135	105.497	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	157108	98.971	ug/l	97

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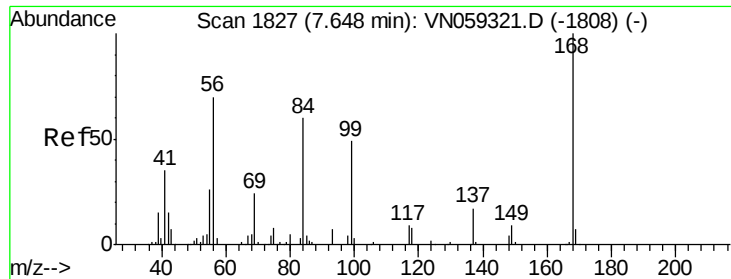
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	612304	130.767	ug/l	99
94) Hexachlorobutadiene	15.01	225	319355	105.962	ug/l	100
95) Naphthalene	15.13	128	1739655	135.271	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	601815	122.856	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 411806

Ion Ratio Lower Upper

168 100

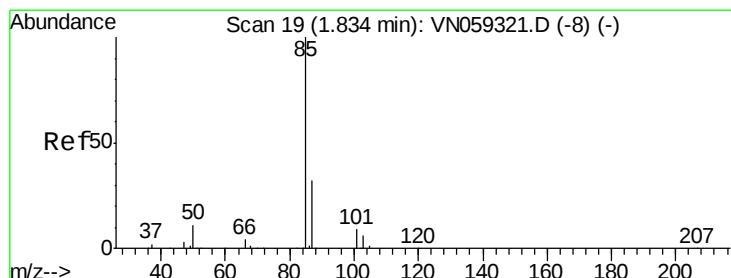
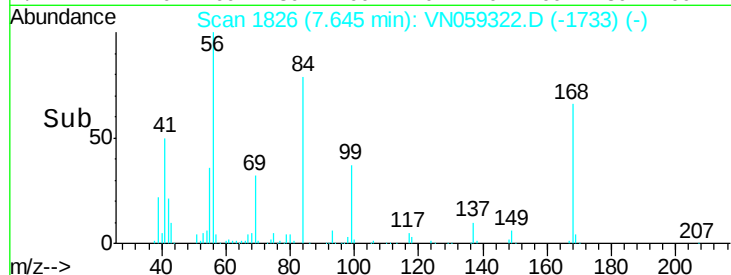
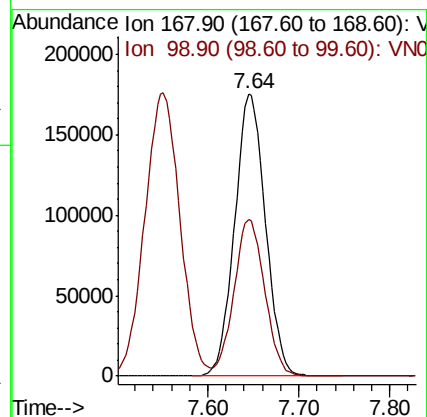
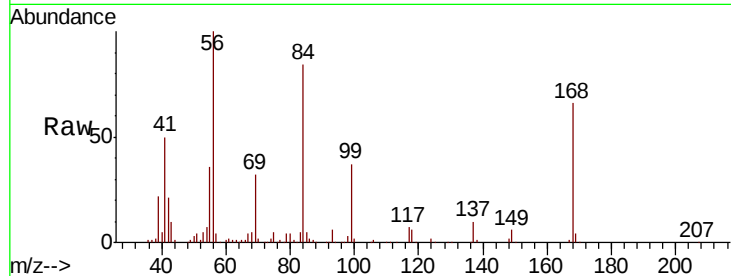
99 55.6 45.7 68.5

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#2

Dichlorodifluoromethane

Concen: 128.198 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059322.D

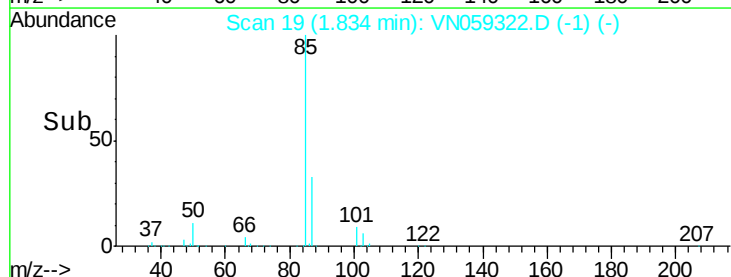
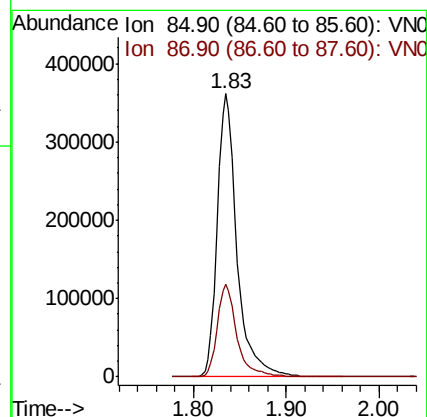
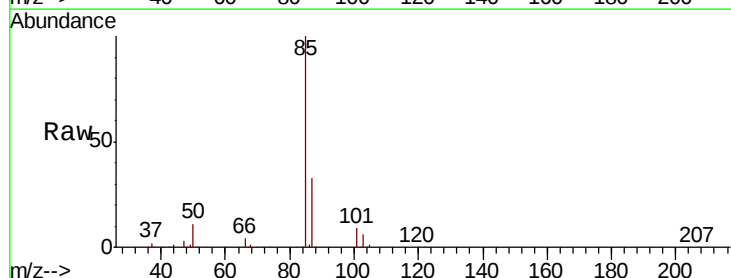
Acq: 20 Nov 2019 12:52

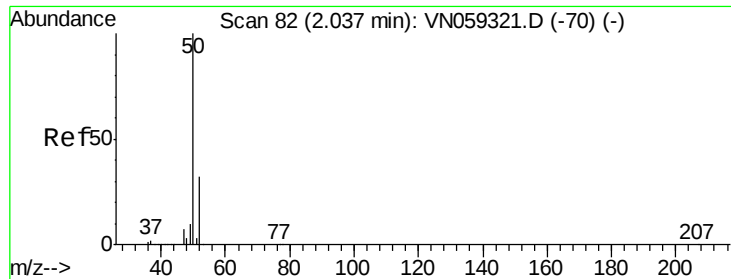
Tgt Ion: 85 Resp: 531907

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.9





#3

Chloromethane

Concen: 111.772 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 630400

Ion Ratio Lower Upper

50 100

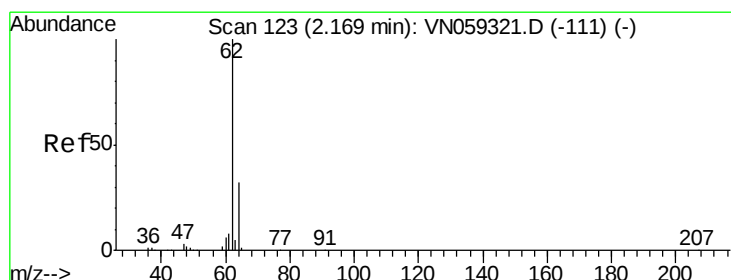
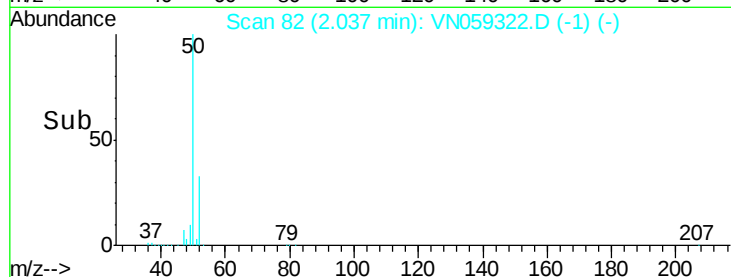
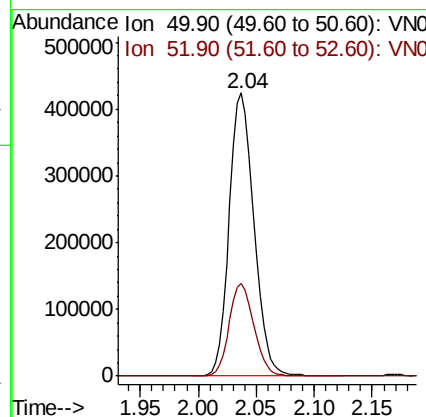
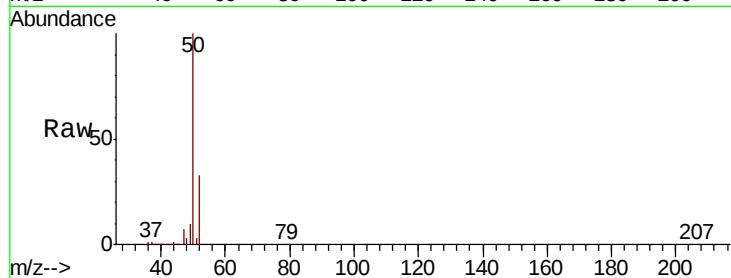
52 32.7 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 124.186 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059322.D

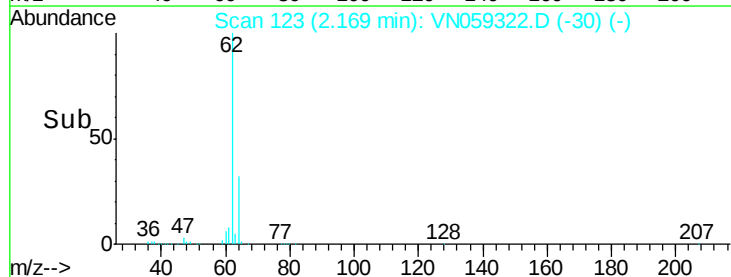
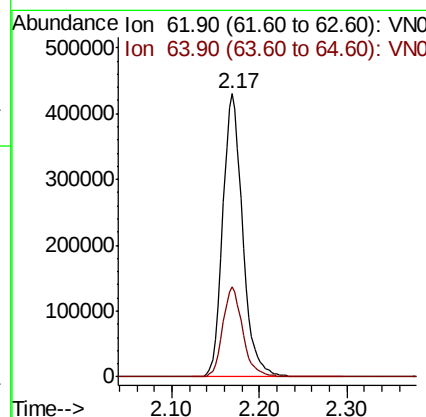
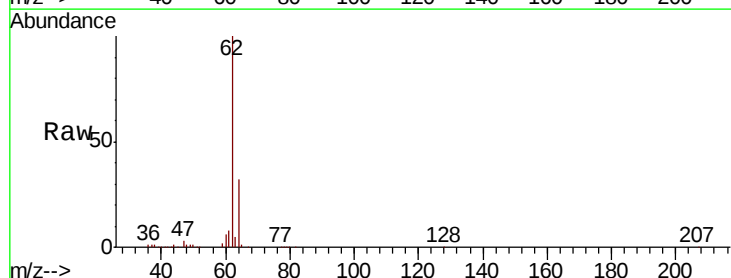
Acq: 20 Nov 2019 12:52

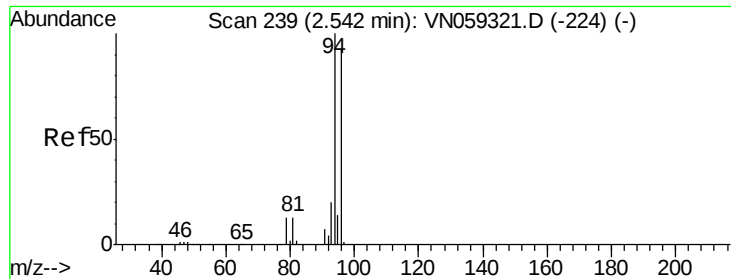
Tgt Ion: 62 Resp: 679065

Ion Ratio Lower Upper

62 100

64 31.8 25.4 38.2





#5

Bromomethane

Concen: 115.410 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

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ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 363162

Ion Ratio Lower Upper

94 100

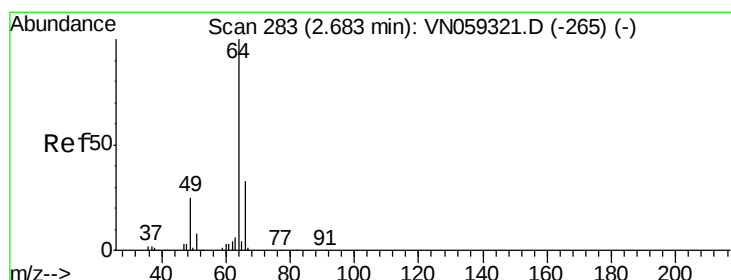
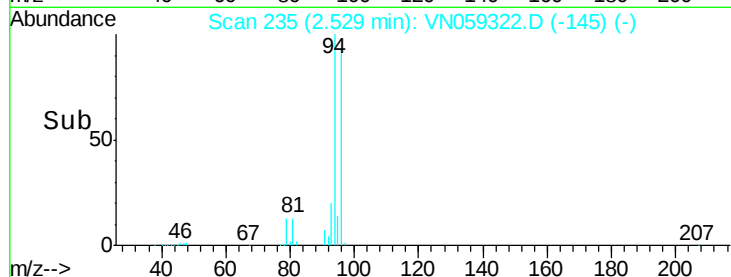
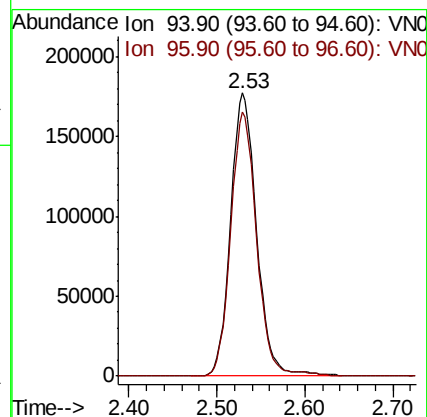
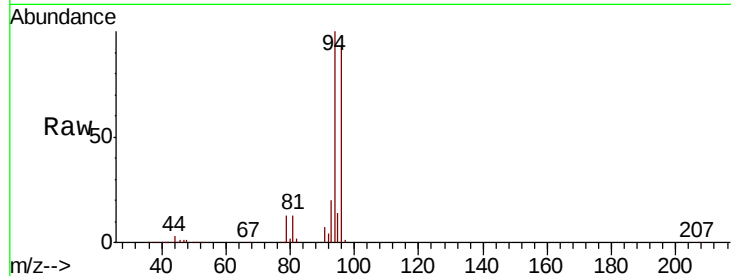
96 93.4 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 106.935 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059322.D

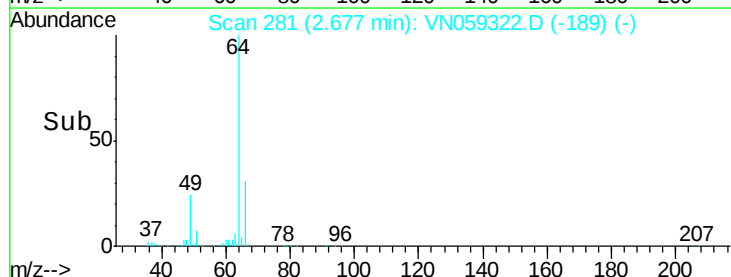
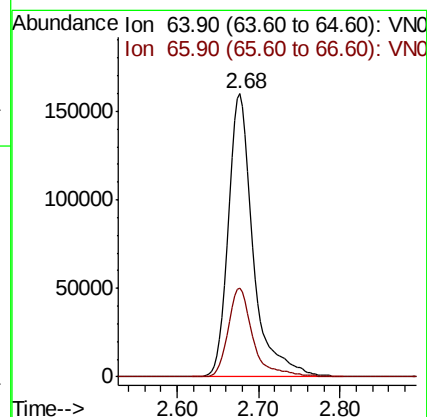
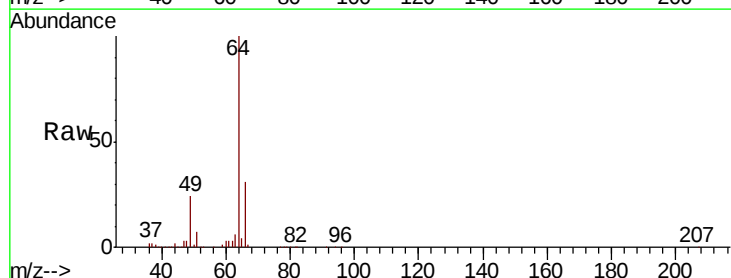
Acq: 20 Nov 2019 12:52

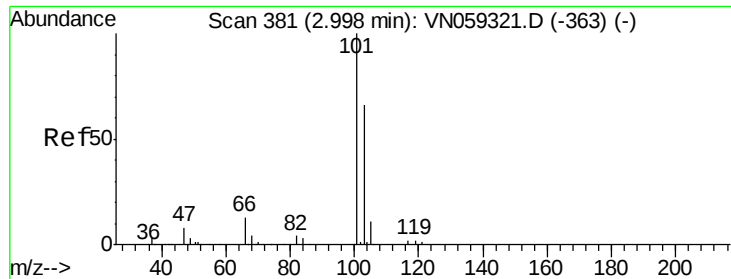
Tgt Ion: 64 Resp: 345901

Ion Ratio Lower Upper

64 100

66 31.3 25.2 37.8





#7

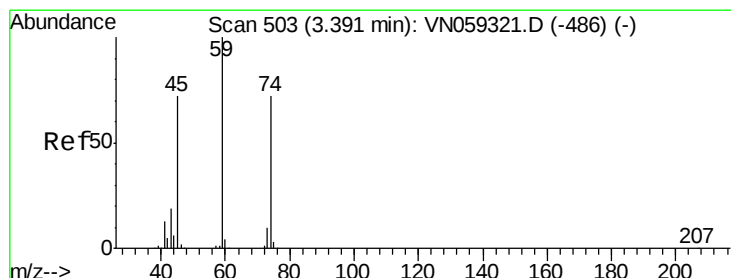
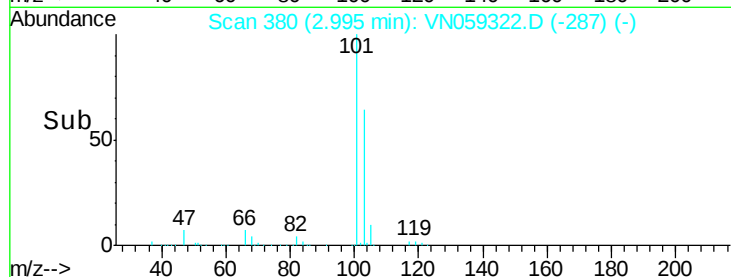
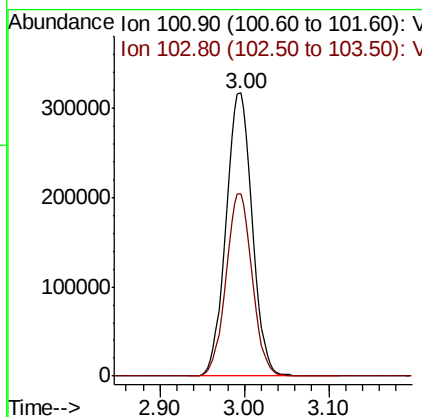
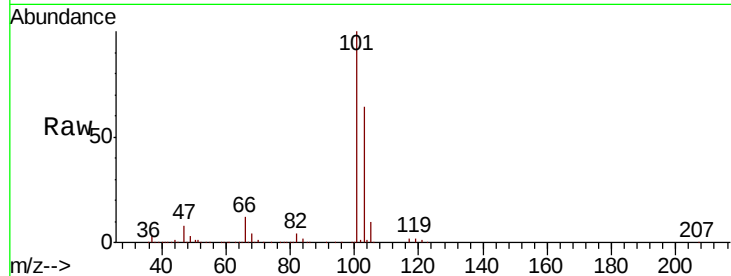
Trichlorofluoromethane
Concen: 104.642 ug/l
RT: 3.00 min Scan# 380
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.2	76.8

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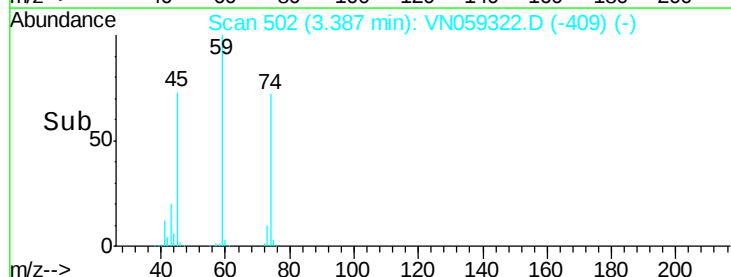
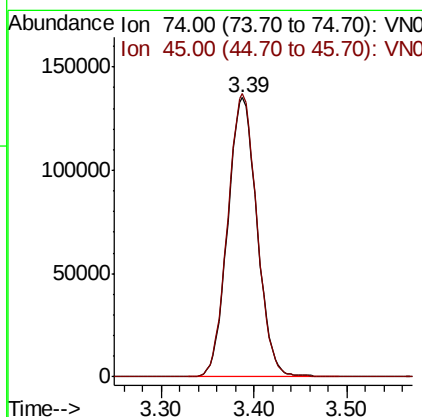
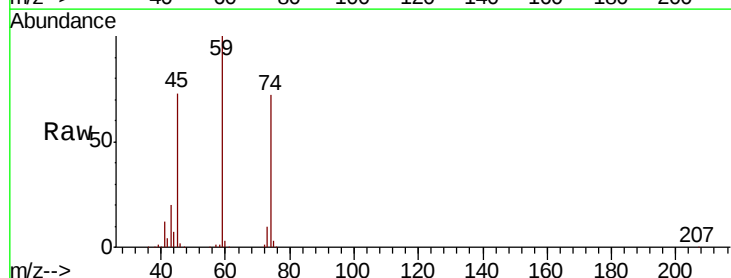
MMDadoda
11/21/2019 11:07:58 AM

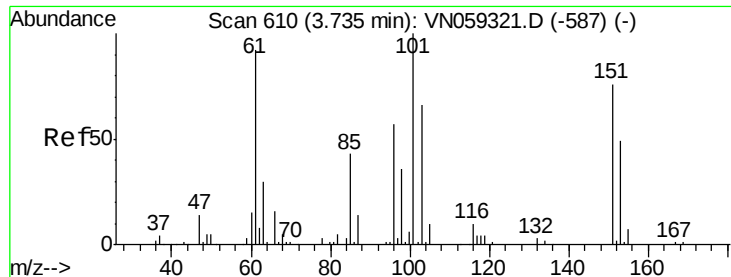


#8

Diethyl Ether
Concen: 111.365 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	51.6	154.9





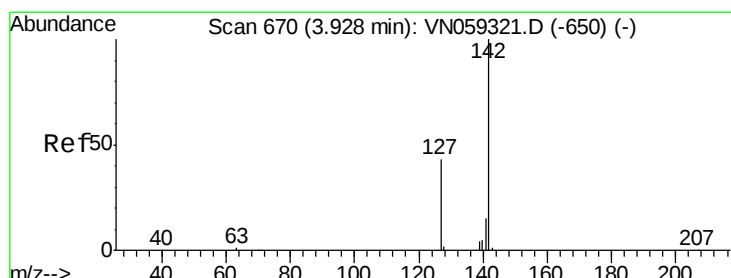
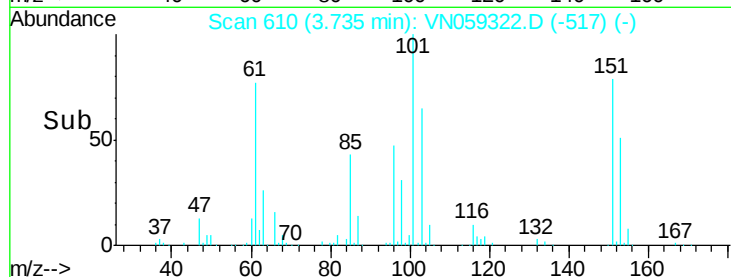
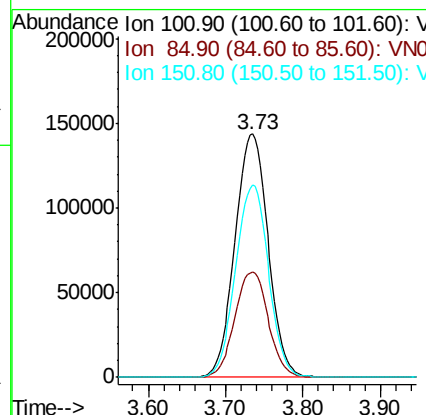
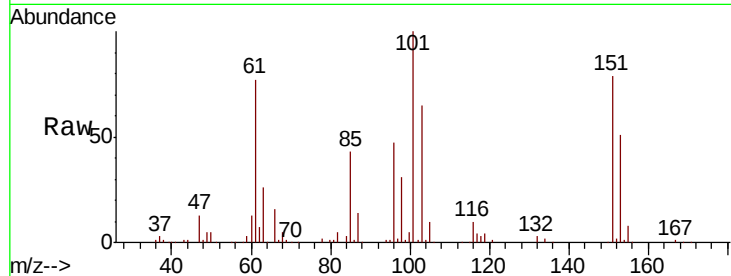
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 108.590 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN059322.D
 Acq: 20 Nov 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
101	100	428227		
85	43.6	35.5	53.3	
151	78.5	62.2	93.2	

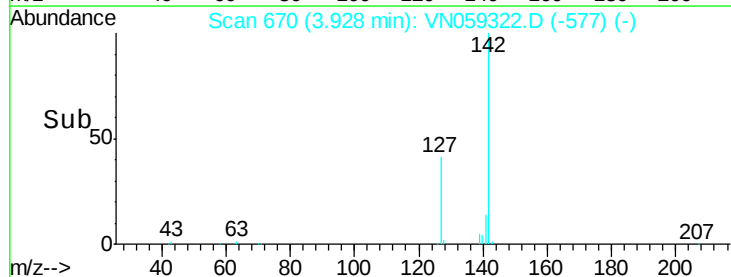
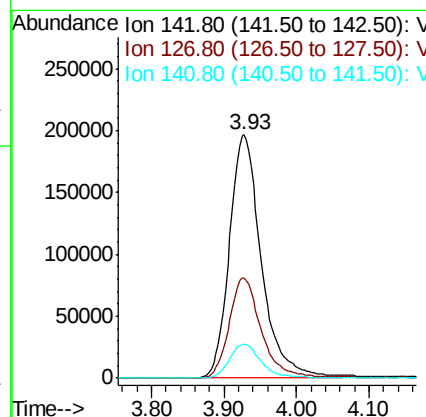
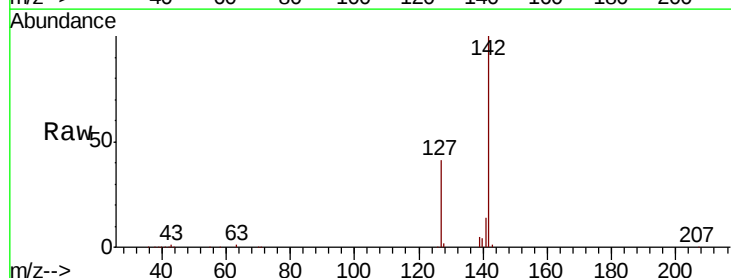
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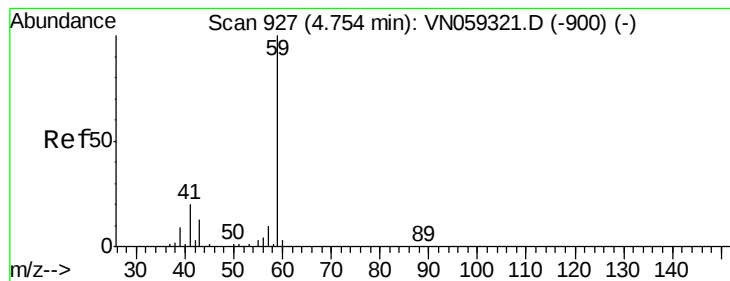
MMDadoda
 11/21/2019 11:07:58 AM



#10
 Methyl Iodide
 Concen: 123.460 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN059322.D
 Acq: 20 Nov 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	602645		
127	41.4	34.2	51.2	
141	14.0	11.4	17.0	





#11

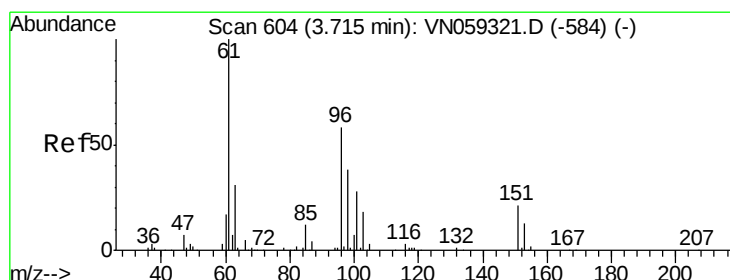
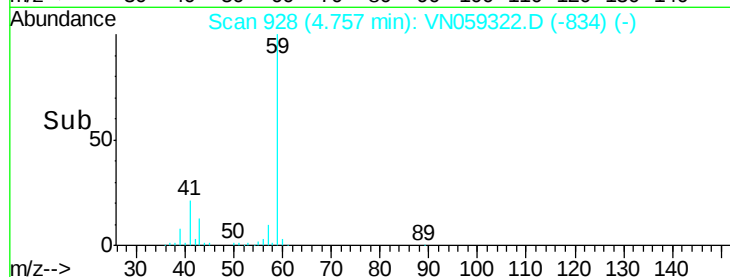
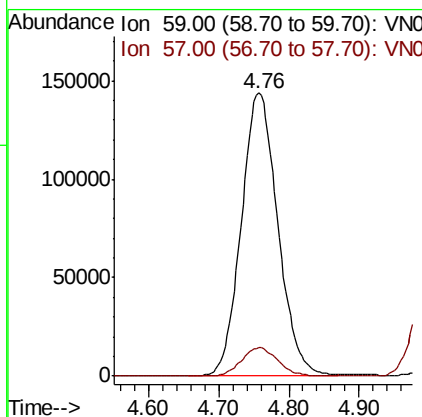
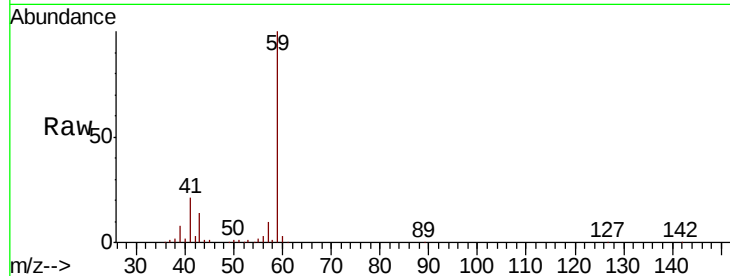
Tert butyl alcohol
Concen: 539.345 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5

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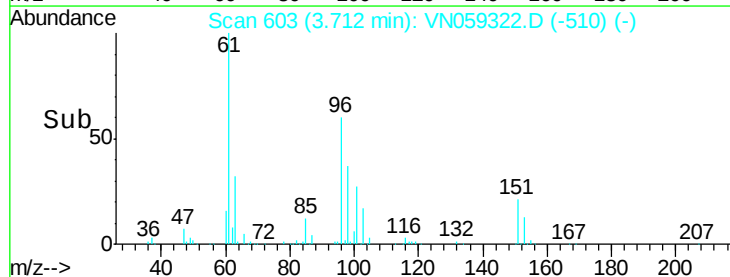
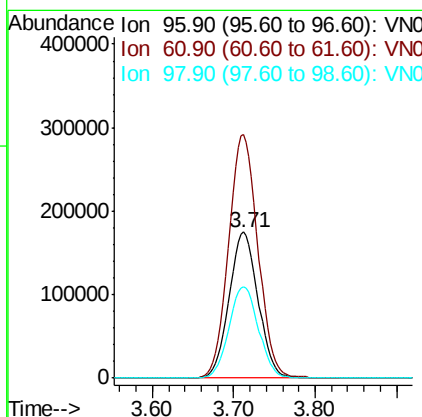
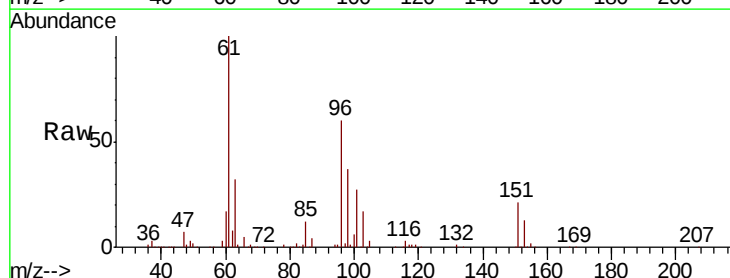
MMDadoda
11/21/2019 11:07:58 AM

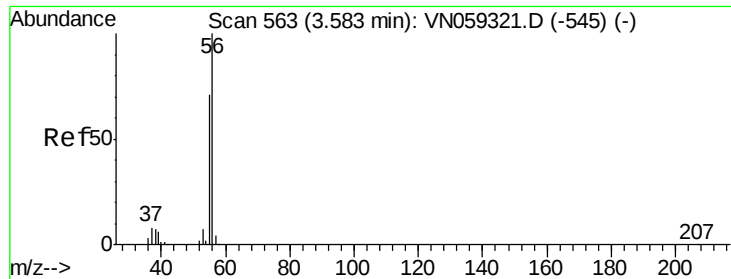


#12

1,1-Dichloroethene
Concen: 113.623 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.9	136.5	204.7
98	62.4	50.2	75.4





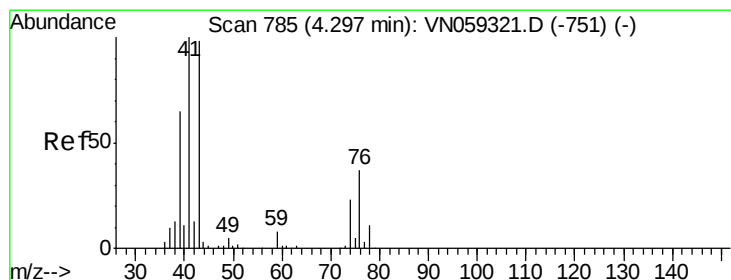
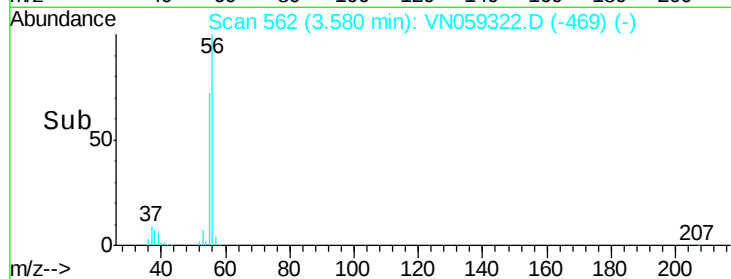
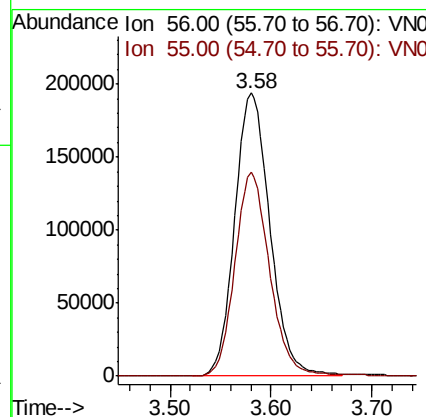
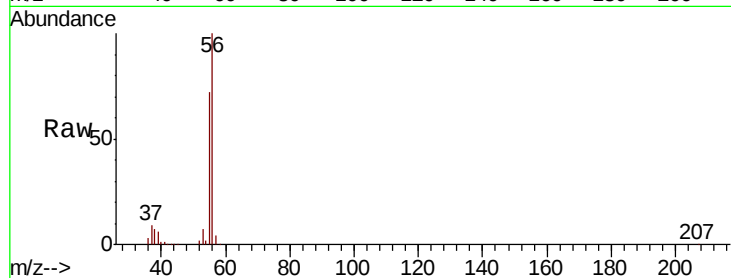
#13
Acrolein
Concen: 946.905 ug/l
RT: 3.58 min Scan# 562
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	71.2	56.4	84.6

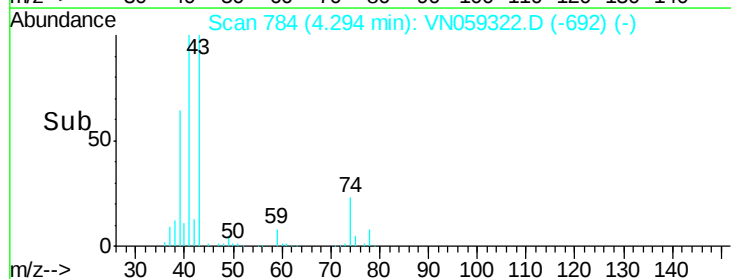
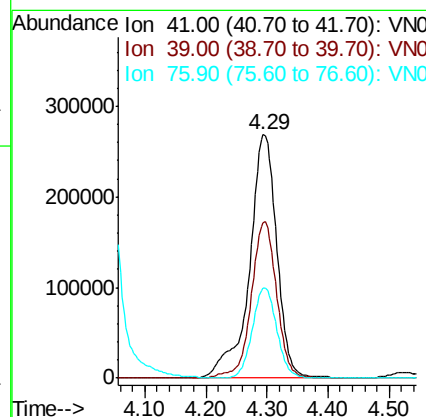
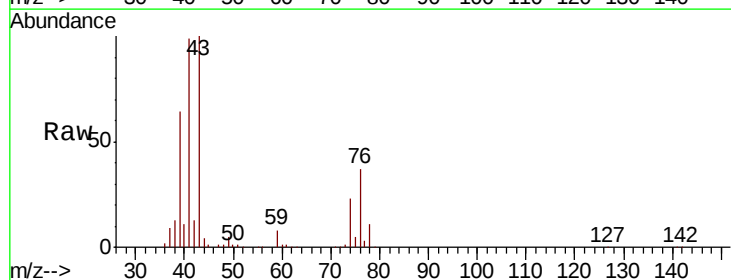
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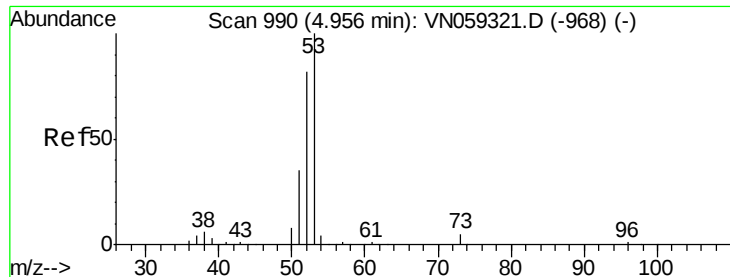
MMDadoda
11/21/2019 11:07:58 AM



#14
Allyl chloride
Concen: 106.467 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	59.4	49.1	73.7
76	76	32.5	24.9	37.3





#15

Acrylonitrile

Concen: 564.292 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 53 Resp: 1354808

Ion Ratio Lower Upper

53 100

52 81.9 65.0 97.6

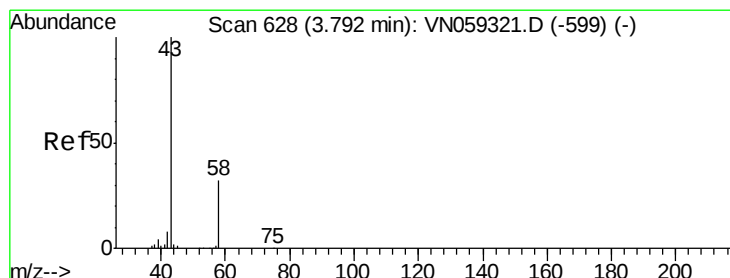
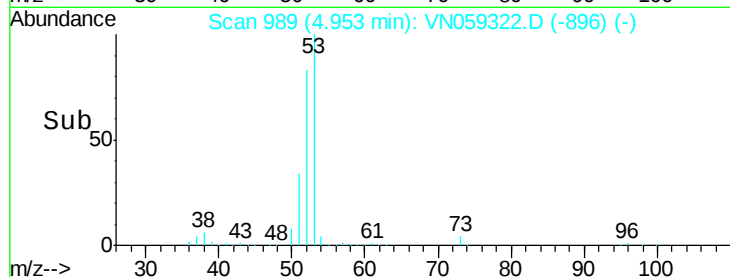
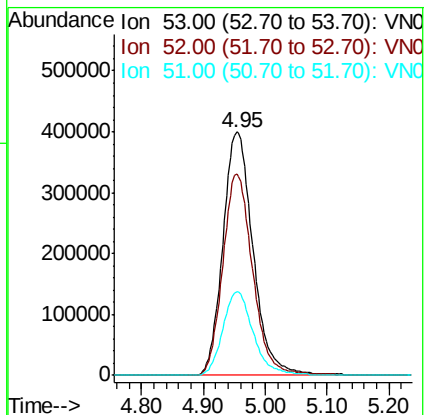
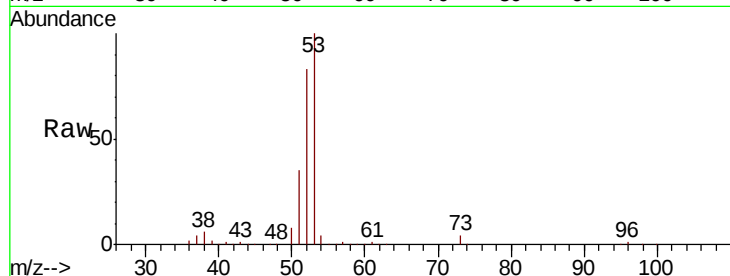
51 34.9 28.0 42.0

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#16

Acetone

Concen: 421.731 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059322.D

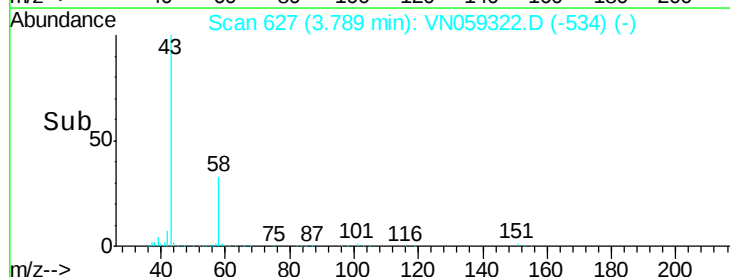
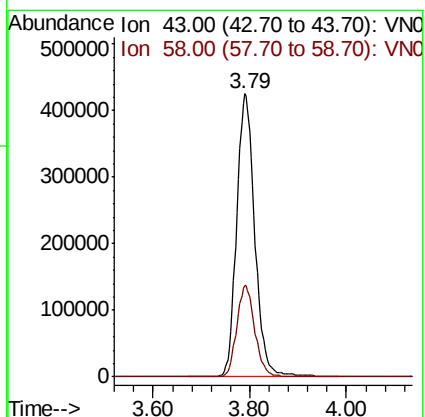
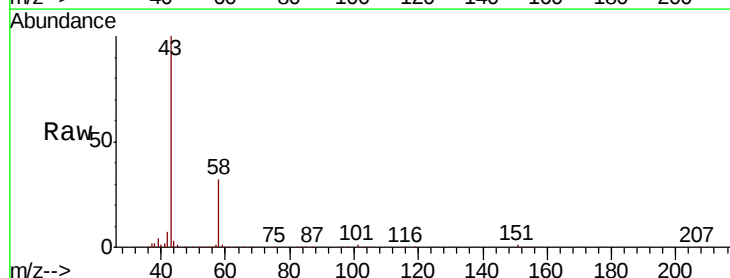
Acq: 20 Nov 2019 12:52

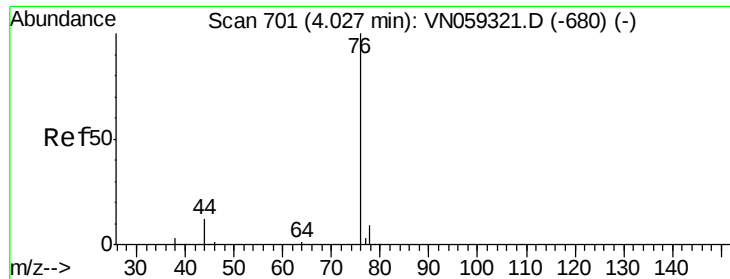
Tgt Ion: 43 Resp: 1110173

Ion Ratio Lower Upper

43 100

58 32.4 24.9 37.3





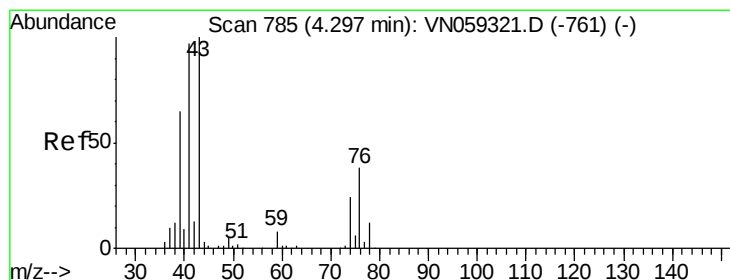
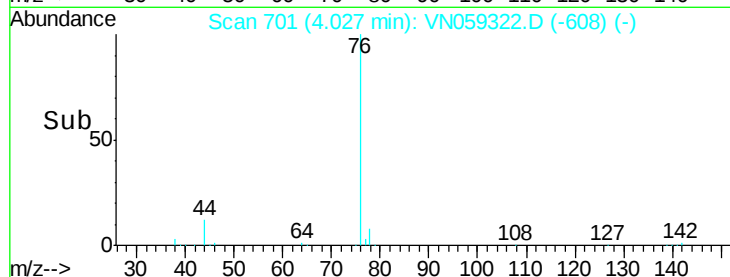
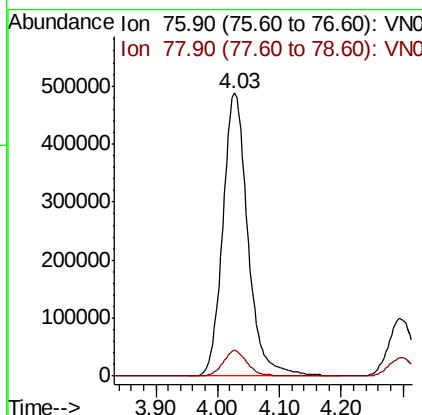
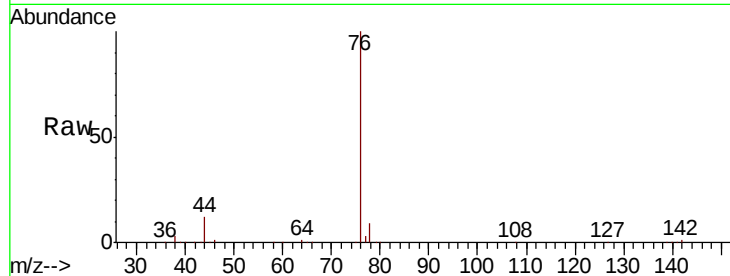
#17
Carbon Disulfide
Concen: 115.148 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 76 Resp: 1373126
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0

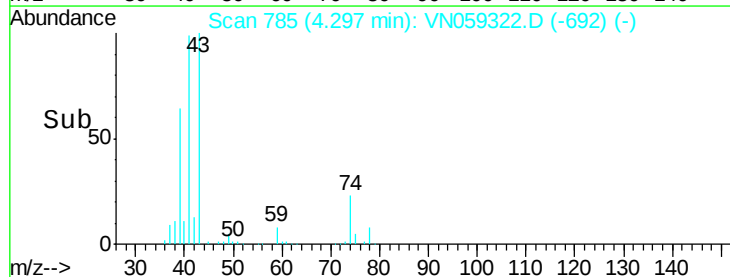
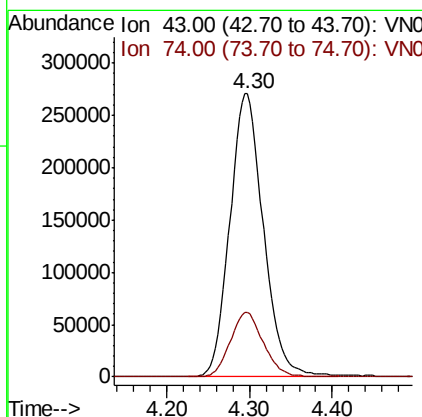
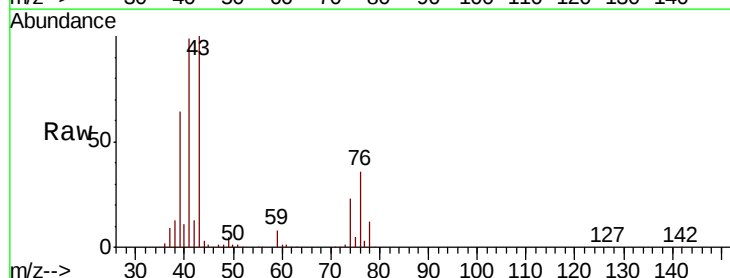
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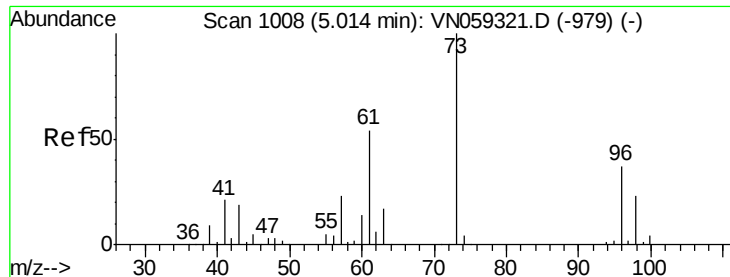
MMDadoda
11/21/2019 11:07:58 AM



#18
Methyl Acetate
Concen: 121.142 ug/l
RT: 4.30 min Scan# 785
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Tgt Ion: 43 Resp: 756928
Ion Ratio Lower Upper
43 100
74 22.7 17.8 26.8





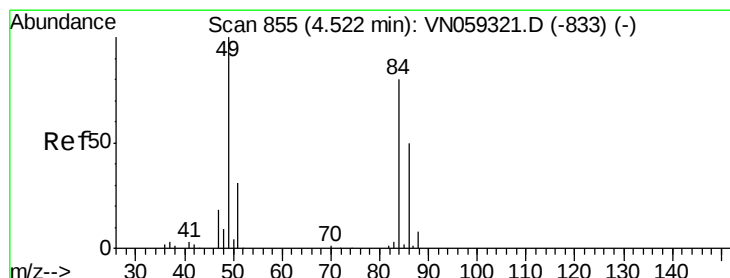
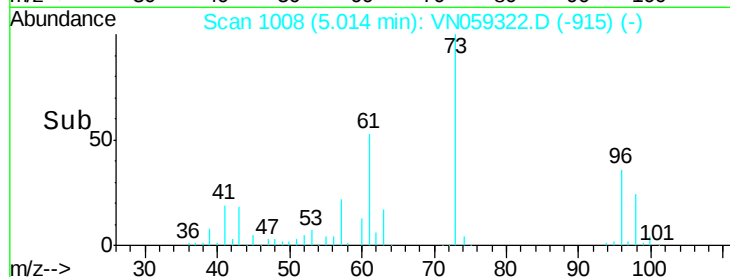
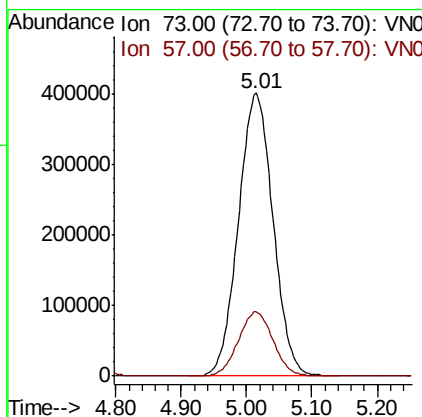
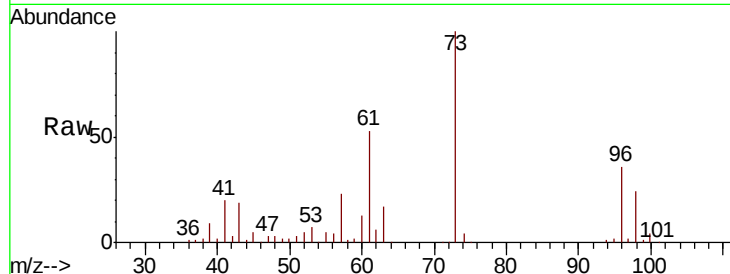
#19
Methvl tert-butvl Ether
Concen: 112.030 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1481687
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6

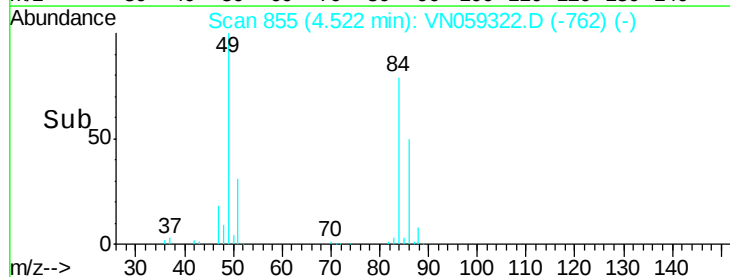
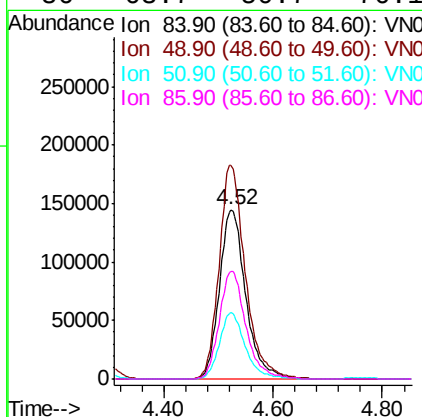
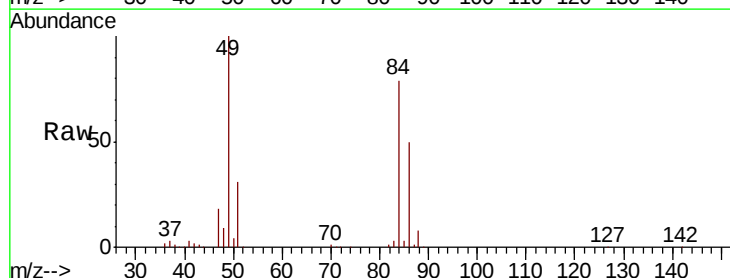
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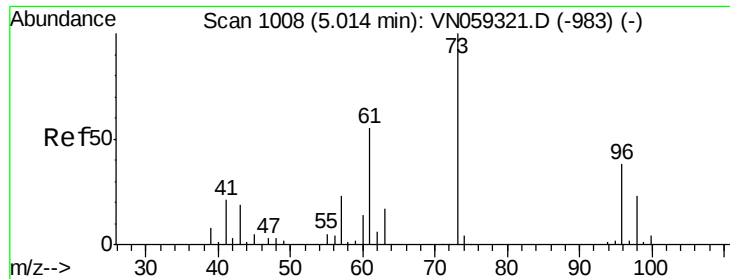
MMDadoda
11/21/2019 11:07:58 AM



#20
Methylene Chloride
Concen: 105.494 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Tgt Ion: 84 Resp: 483804
Ion Ratio Lower Upper
84 100
49 126.4 102.0 153.0
51 39.2 32.2 48.2
86 63.7 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 113.420 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 467683

Ion Ratio Lower Upper

96 100

61 146.0 122.6 183.8

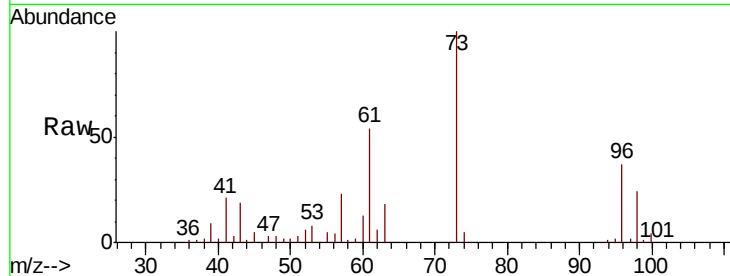
98 64.5 50.3 75.5

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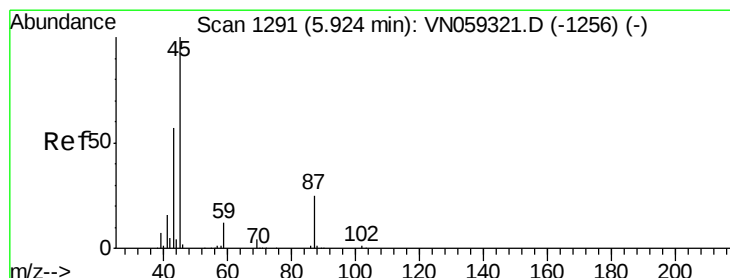
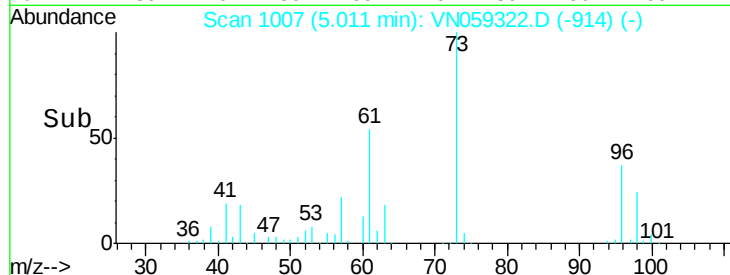
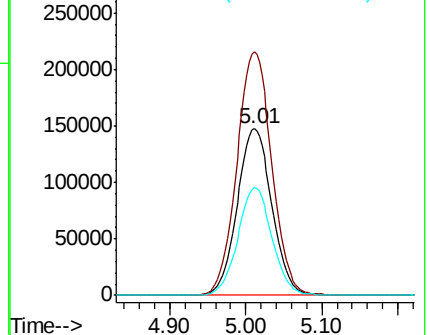


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 107.451 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Tgt Ion: 45 Resp: 1601535

Ion Ratio Lower Upper

45 100

43 56.1 46.7 70.1

87 26.5 20.5 30.7

59 11.5 9.6 14.4

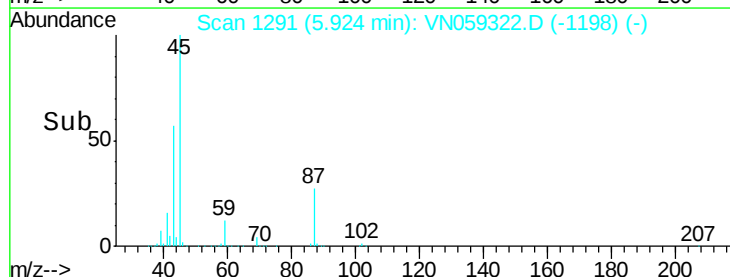
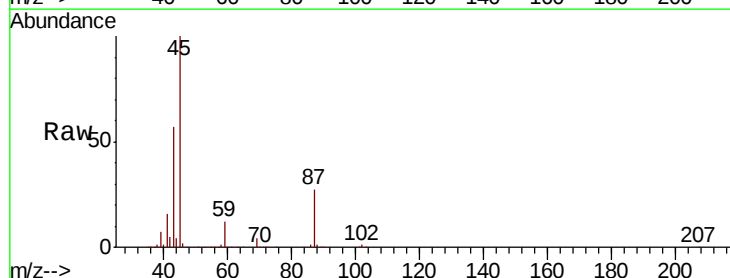
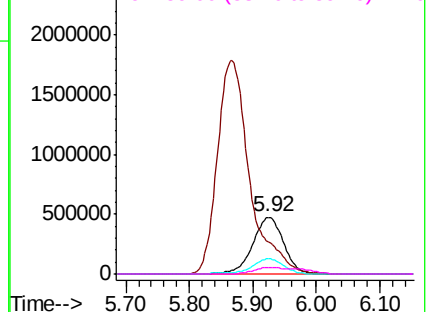
Abundance

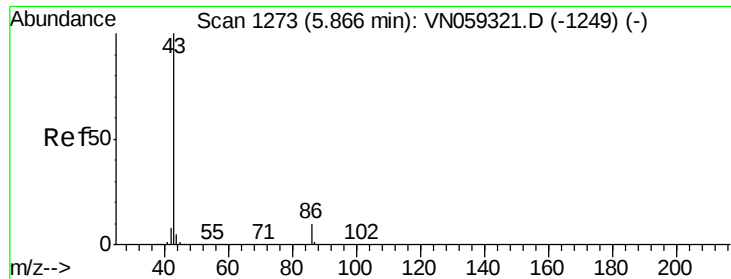
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 544.538 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 43 Resp: 6290250

Ion Ratio Lower Upper

43 100

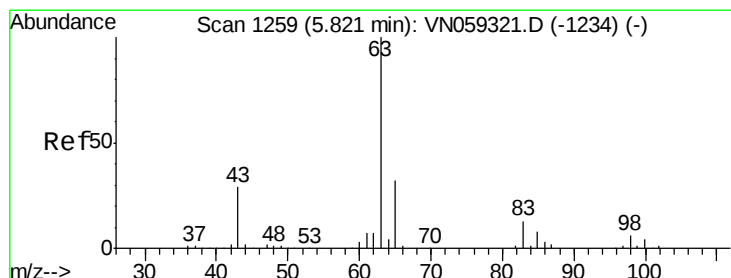
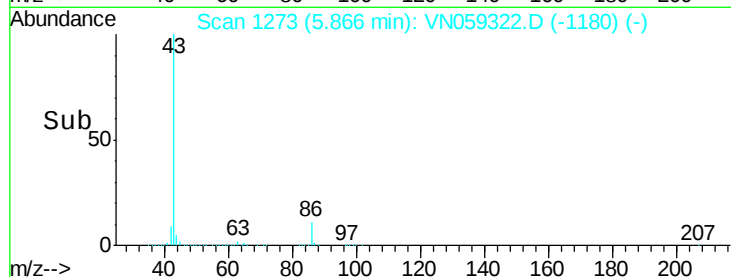
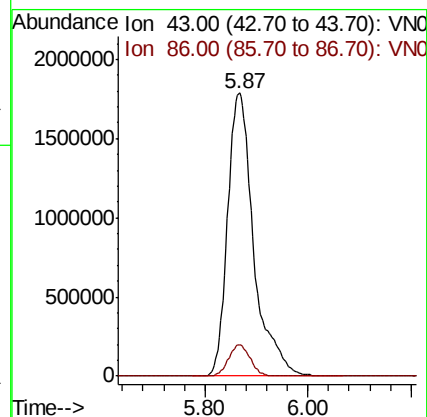
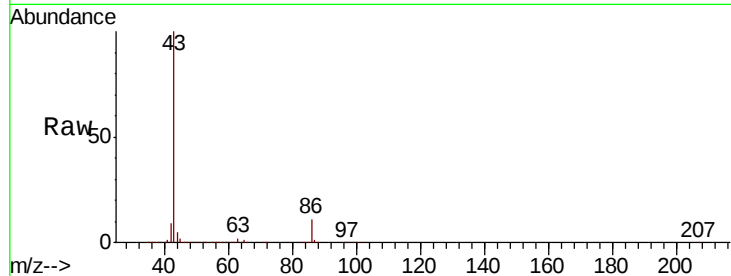
86 11.0 7.7 11.5

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#24

1,1-Dichloroethane

Concen: 107.139 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

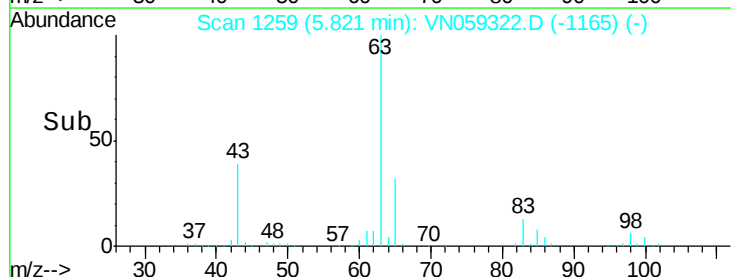
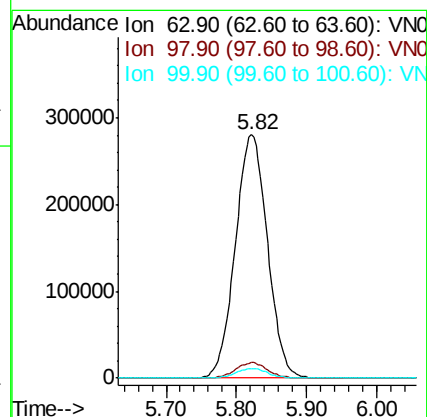
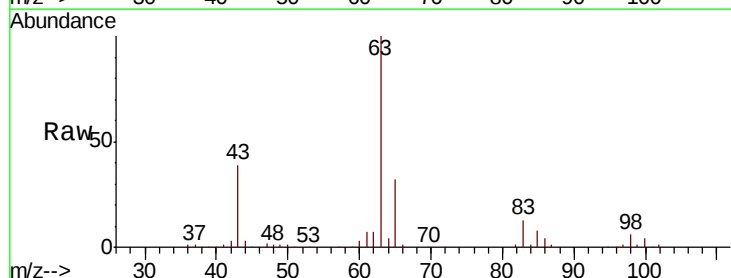
Tgt Ion: 63 Resp: 891903

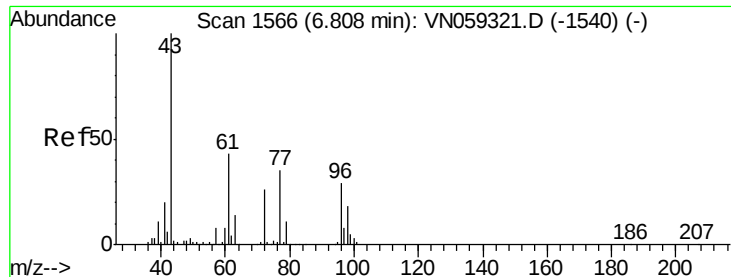
Ion Ratio Lower Upper

63 100

98 6.3 2.8 8.4

100 3.9 1.9 5.7





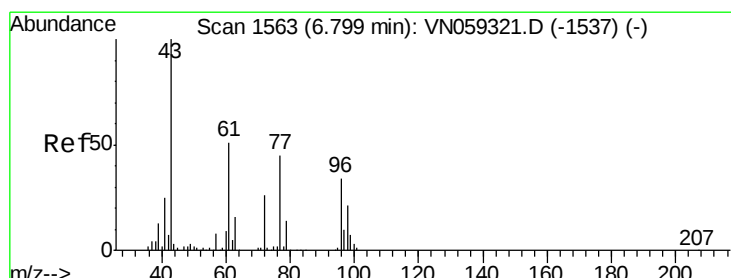
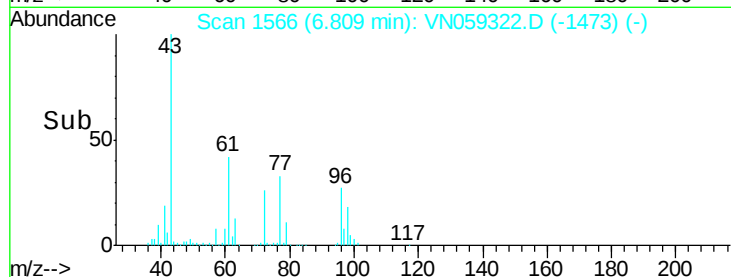
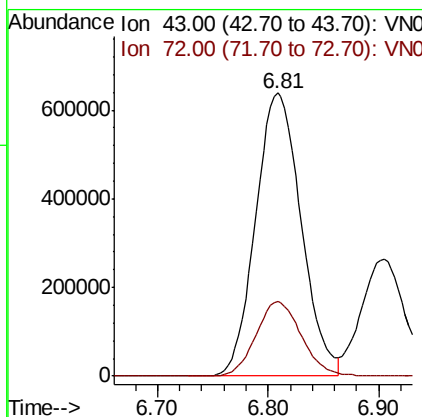
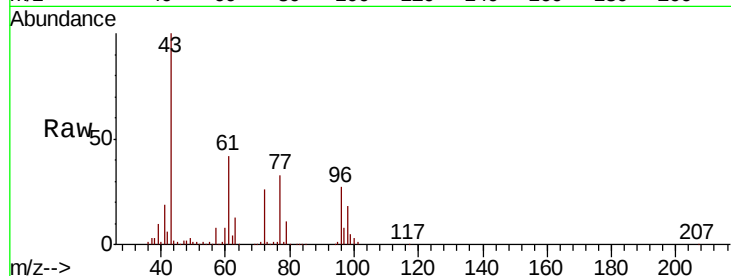
#25
2-Butanone
Concen: 525.450 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1822985
Ion Ratio Lower Upper
43 100
72 26.4 20.3 30.5

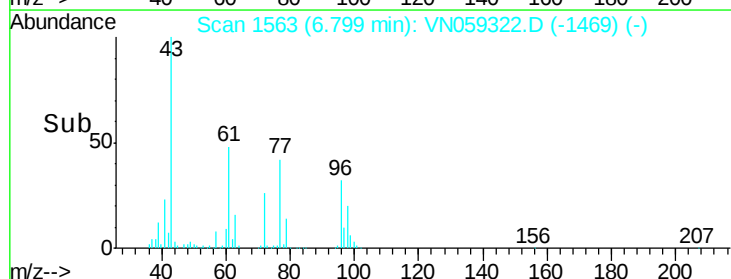
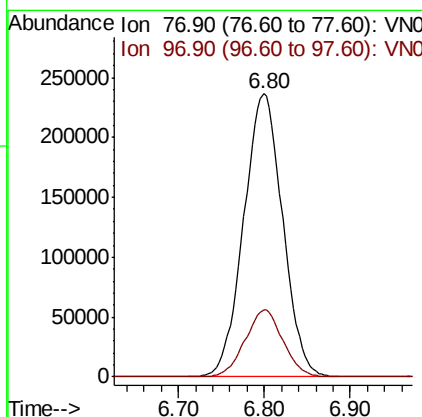
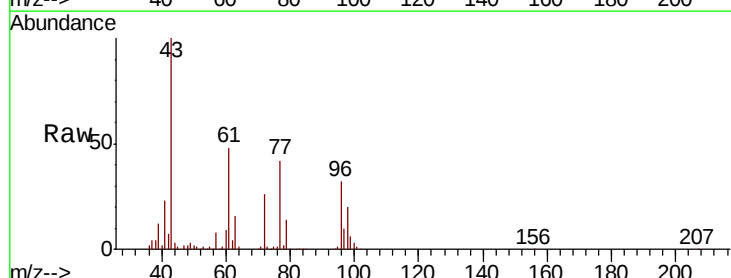
Manual Integrations
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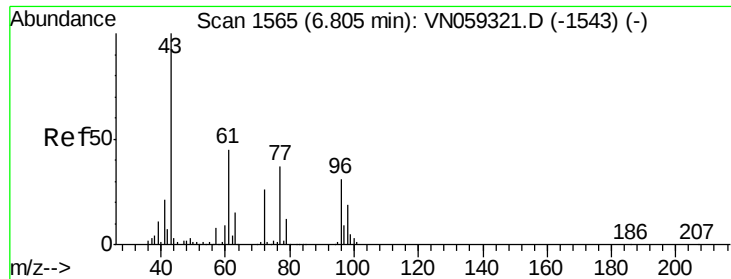
MMDadoda
11/21/2019 11:07:58 AM



#26
2,2-Dichloropropane
Concen: 102.431 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Tgt Ion: 77 Resp: 745622
Ion Ratio Lower Upper
77 100
97 23.1 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 110.302 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

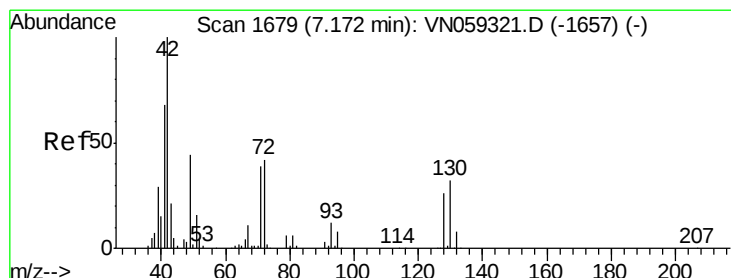
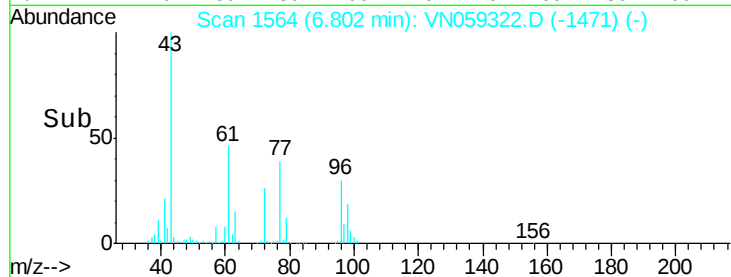
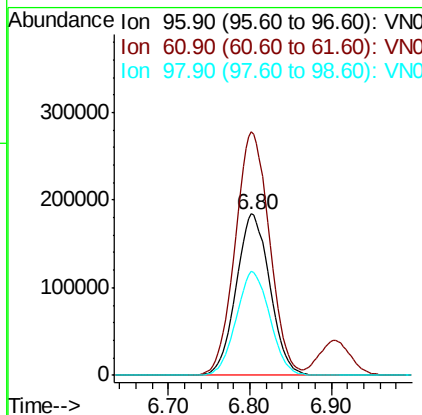
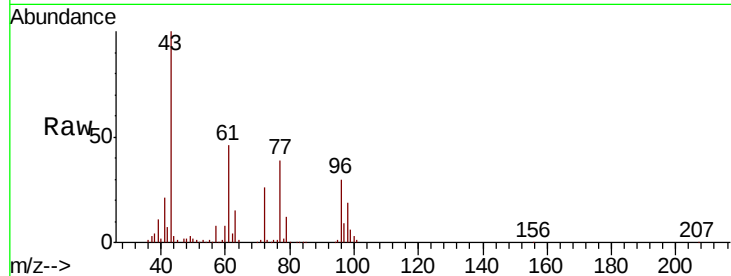
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	527675
Ion Ratio	Lower	Upper	
96	100		
61	153.1	0.0	311.6
98	64.2	0.0	129.8

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#28

Bromochloromethane

Concen: 140.943 ug/l

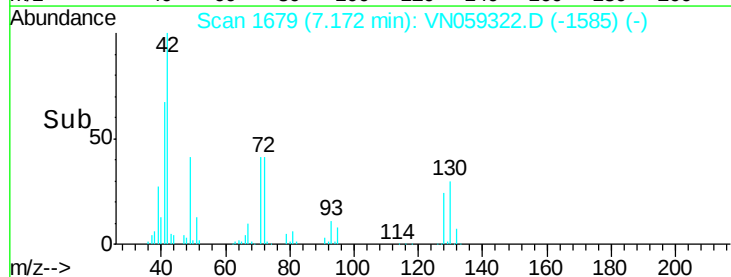
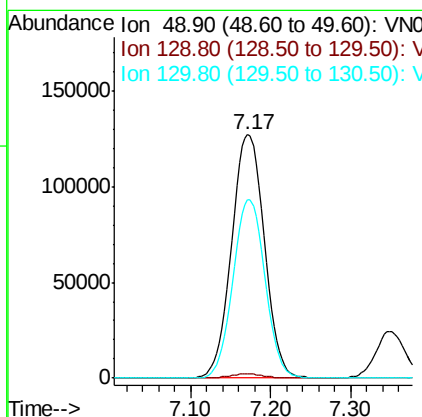
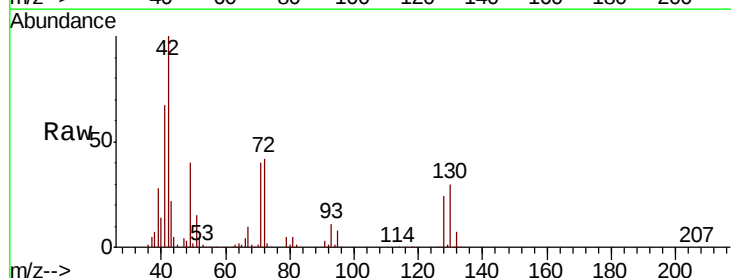
RT: 7.17 min Scan# 1679

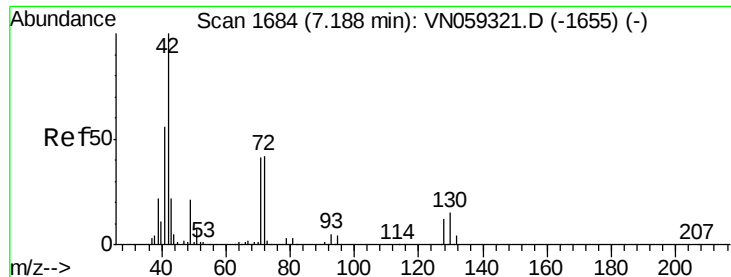
Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Tgt Ion:	49	Resp:	353000
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.8
130	71.7	55.6	83.4





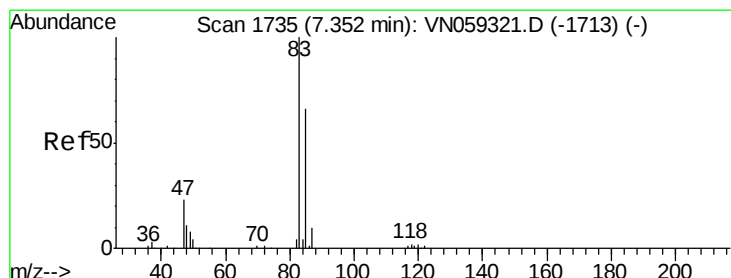
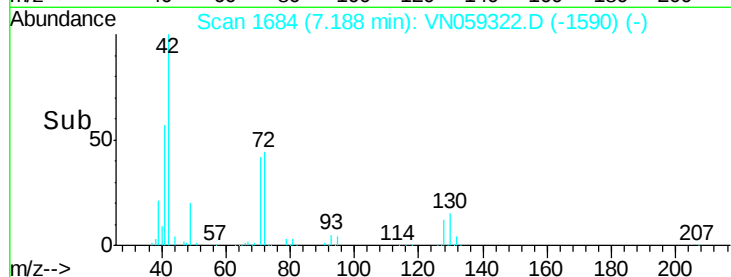
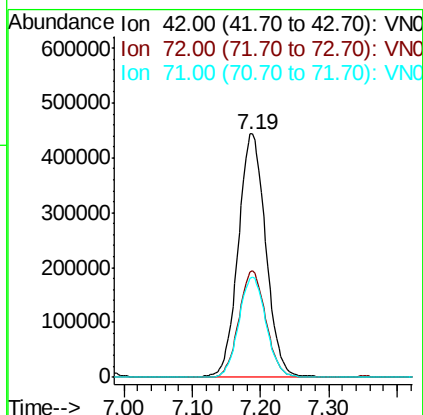
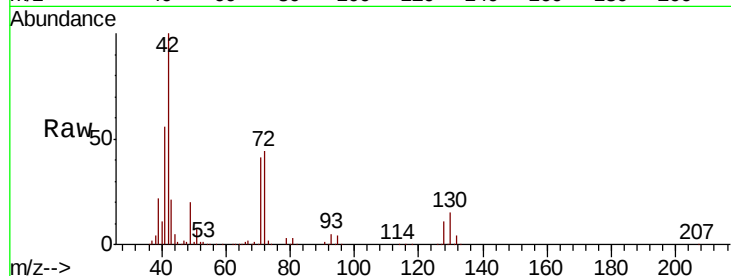
#29
Tetrahydrofuran
Concen: 564.483 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.9	33.1	49.7
71	40.7	30.9	46.3

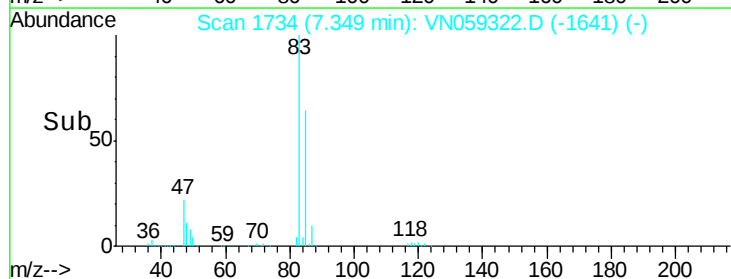
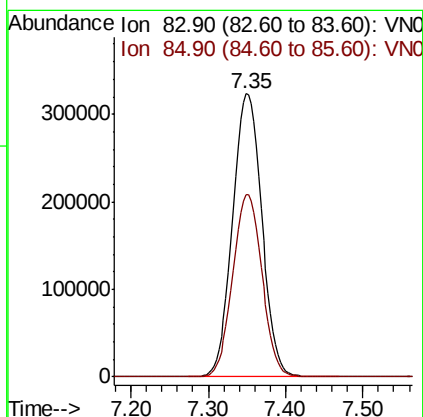
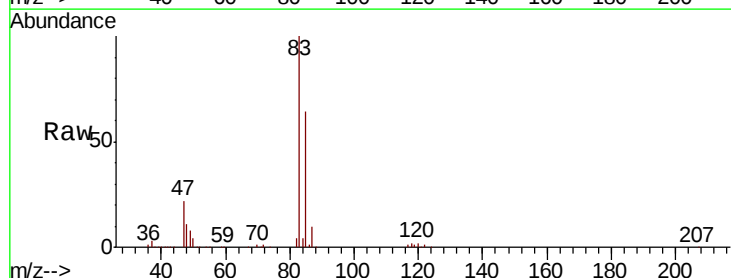
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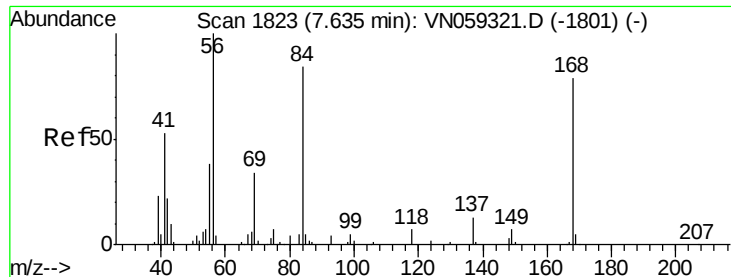
MMDadoda
11/21/2019 11:07:58 AM



#30
Chloroform
Concen: 106.288 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.8	77.8





#31

Cyclohexane

Concen: 106.929 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 842698

Ion Ratio Lower Upper

56 100

69 31.0 25.8 38.8

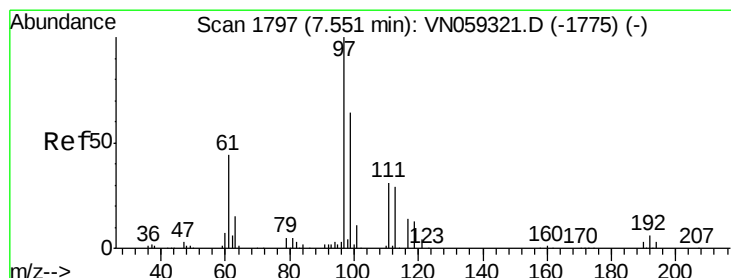
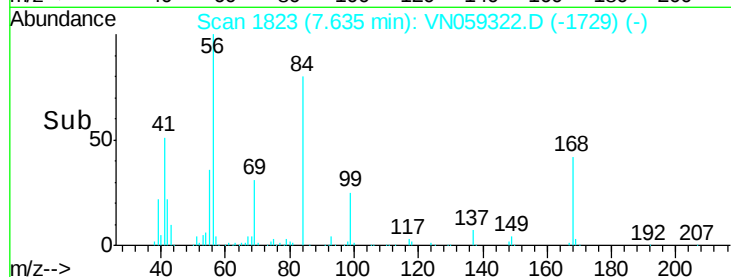
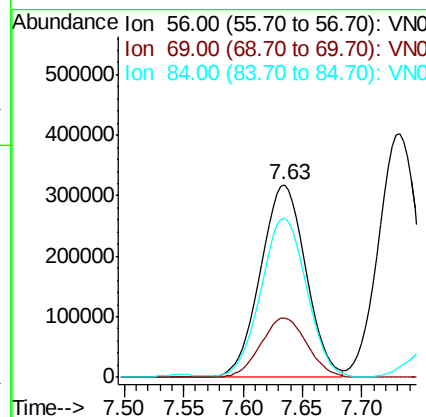
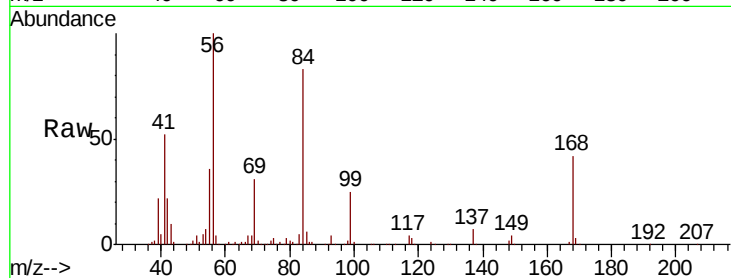
84 81.5 65.0 97.4

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#32

1,1,1-Trichloroethane

Concen: 108.828 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

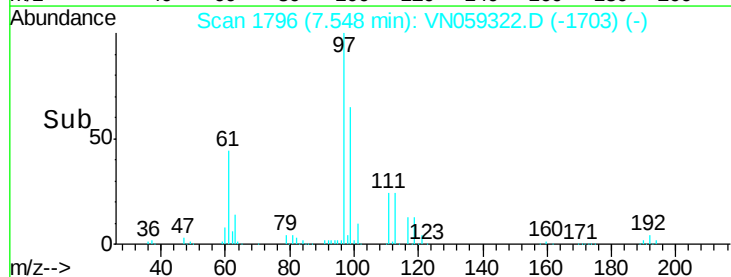
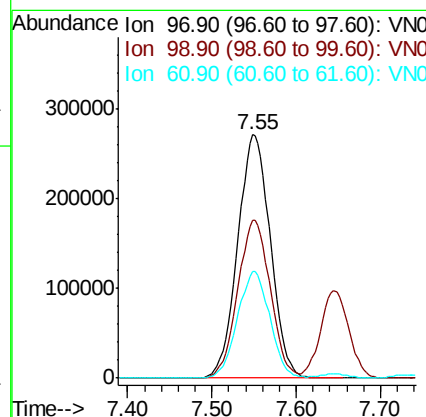
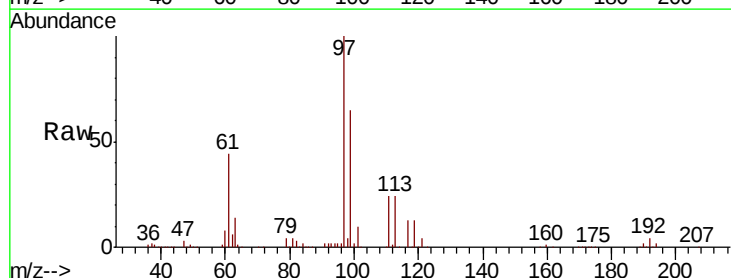
Tgt Ion: 97 Resp: 730671

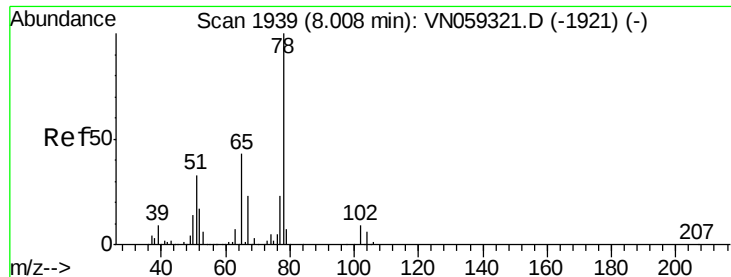
Ion Ratio Lower Upper

97 100

99 64.8 51.0 76.6

61 43.6 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 98.498 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 498615

Ion Ratio Lower Upper

65 100

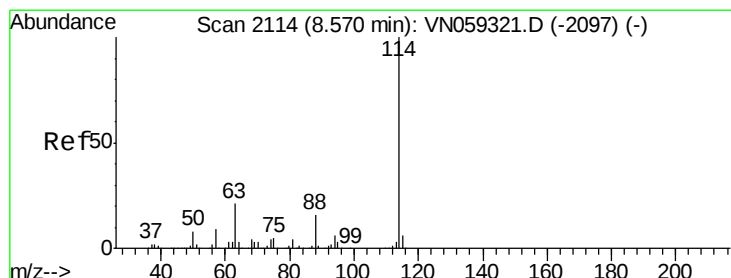
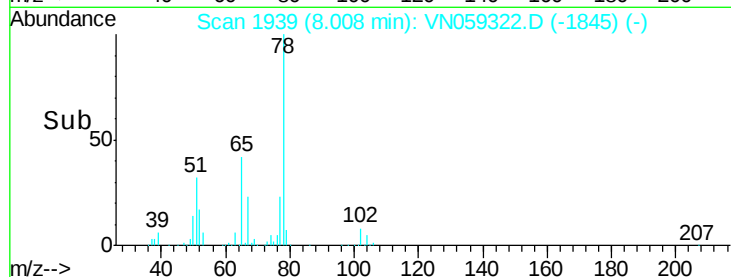
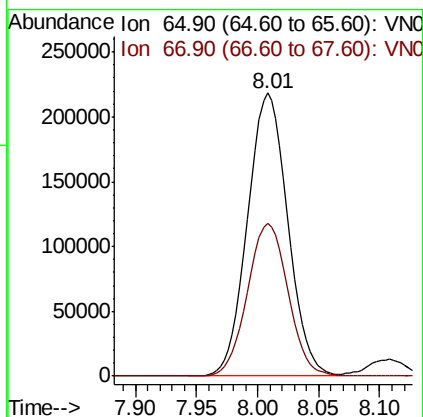
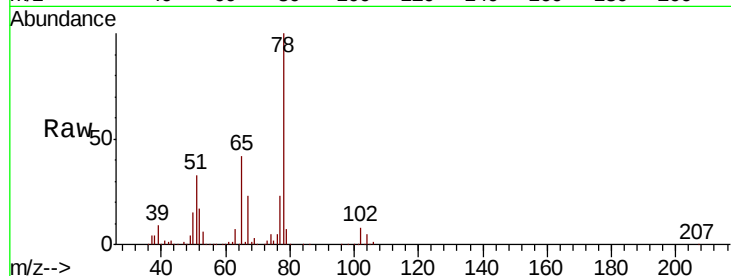
67 54.5 0.0 107.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

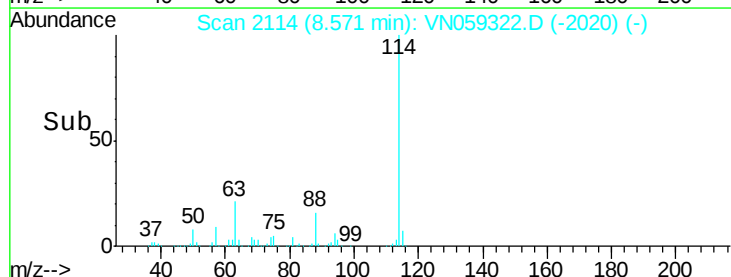
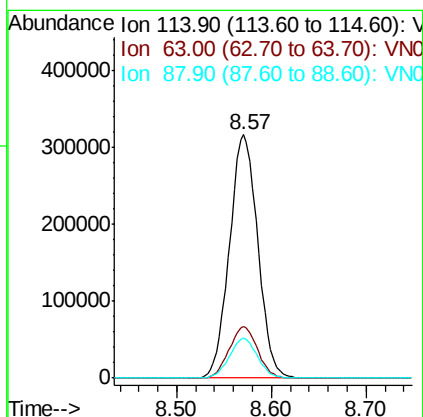
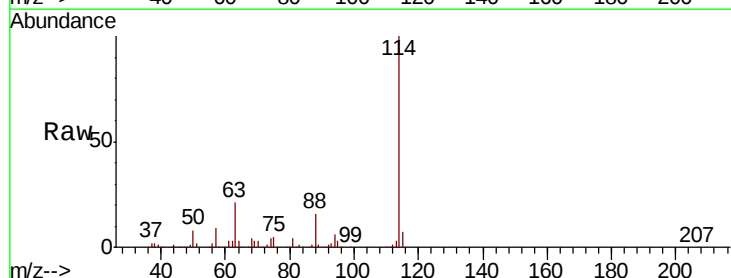
Tgt Ion: 114 Resp: 658453

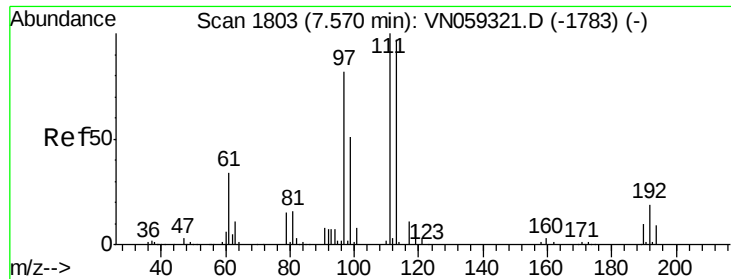
Ion Ratio Lower Upper

114 100

63 21.2 0.0 43.4

88 16.3 0.0 32.2





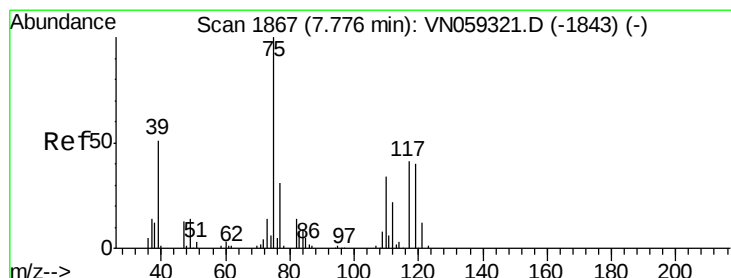
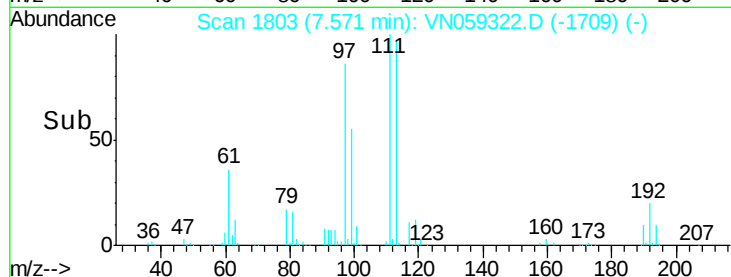
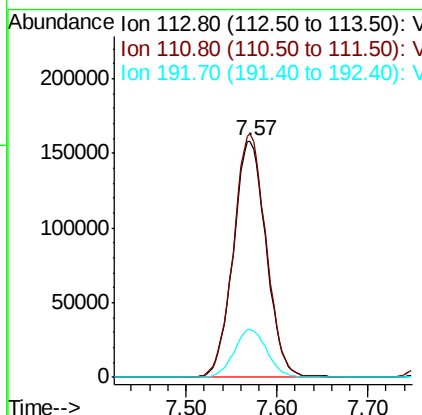
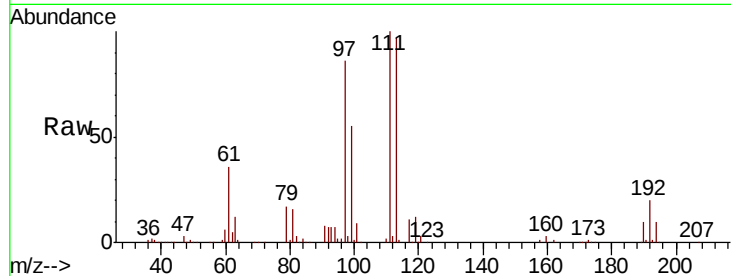
#35
 Dibromofluoromethane
 Concen: 100.969 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059322.D
 Acq: 20 Nov 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	396969		
111	102.7	82.8	124.2	
192	20.2	16.1	24.1	

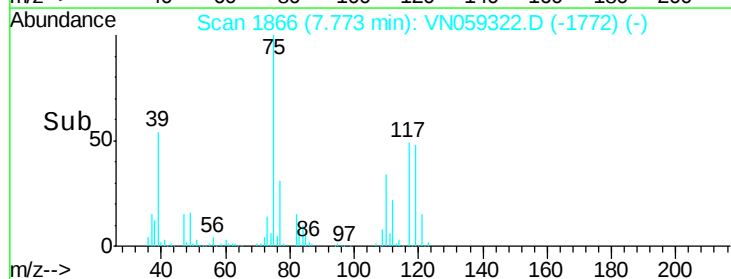
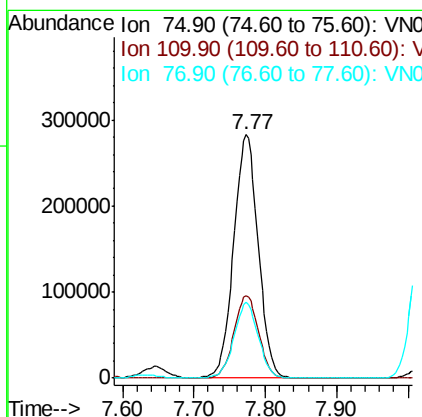
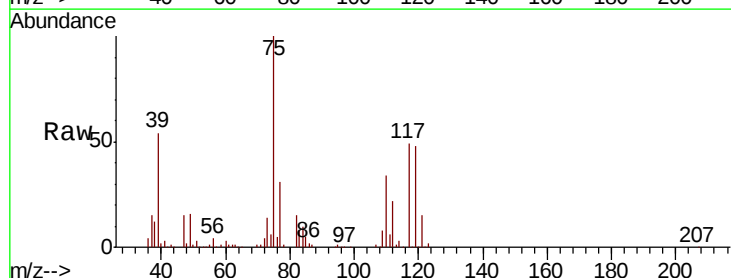
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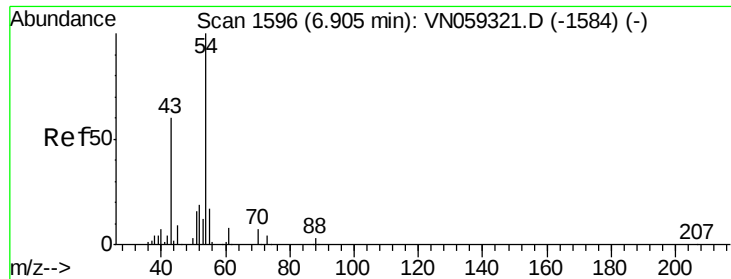
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 110.483 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059322.D
 Acq: 20 Nov 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	679979		
110	33.9	17.1	51.2	
77	30.9	24.8	37.2	





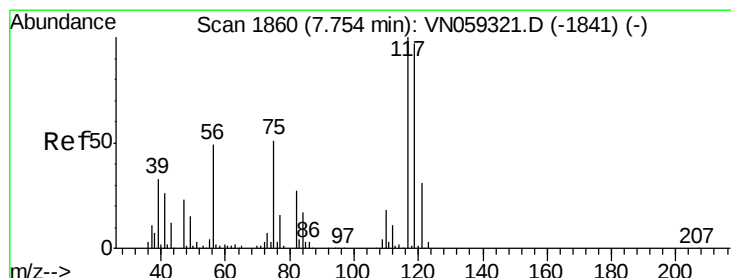
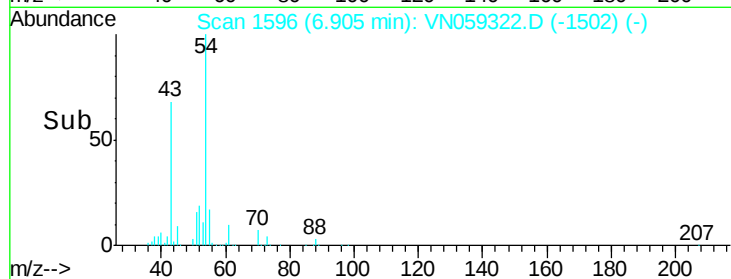
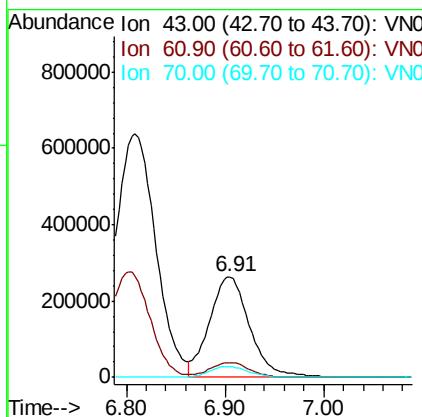
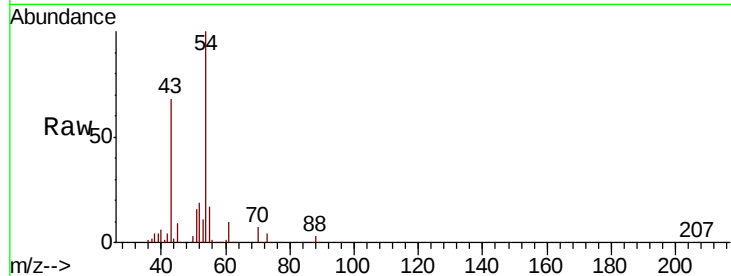
#37
Ethyl Acetate
Concen: 108.117 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.2	16.8
70	10.6	7.8	11.8

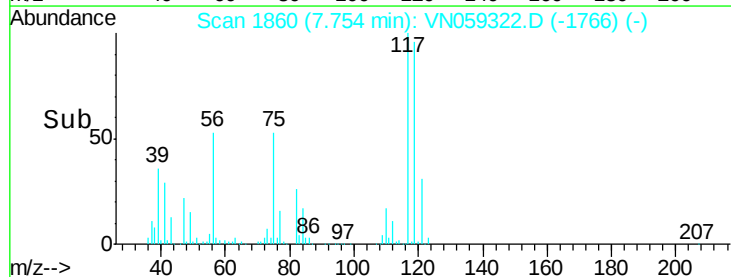
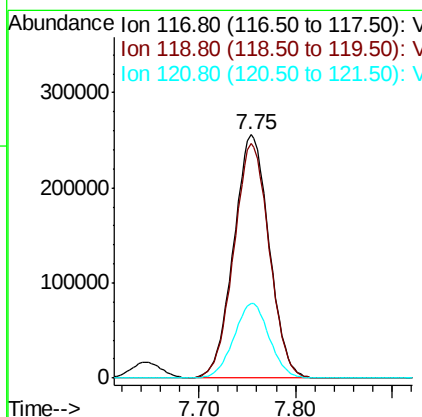
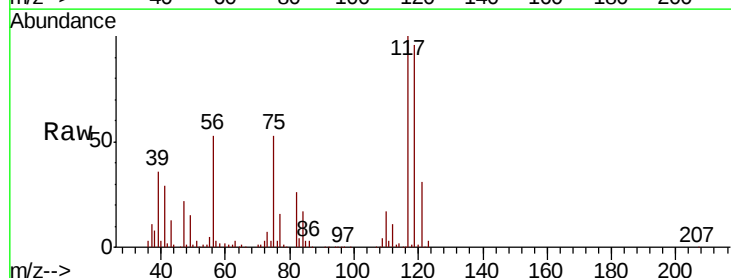
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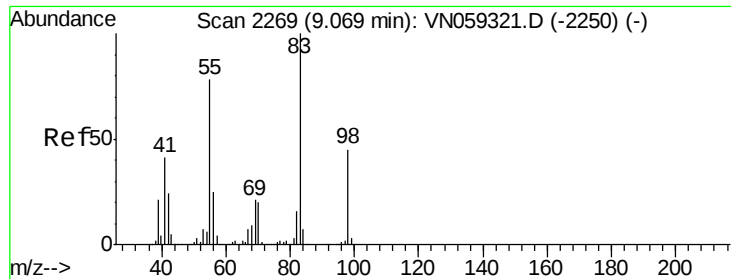
MMDadoda
11/21/2019 11:07:58 AM



#38
Carbon Tetrachloride
Concen: 106.143 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.6	113.4
121	30.7	24.6	36.8





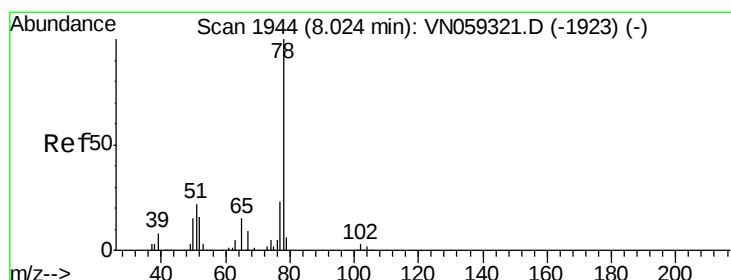
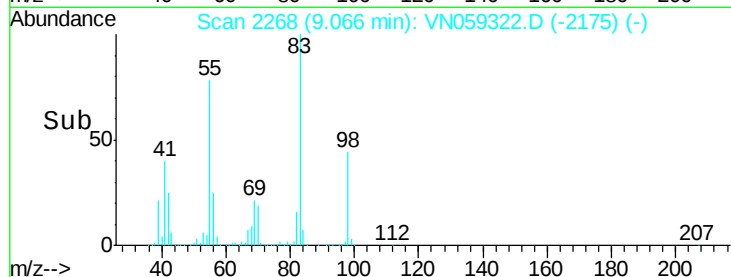
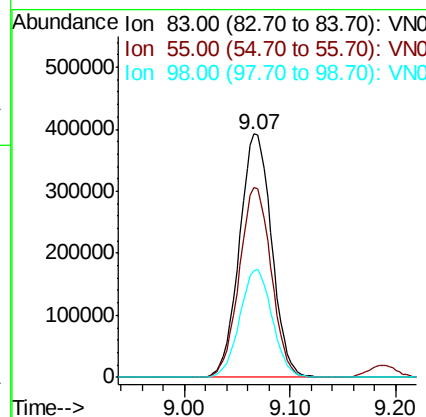
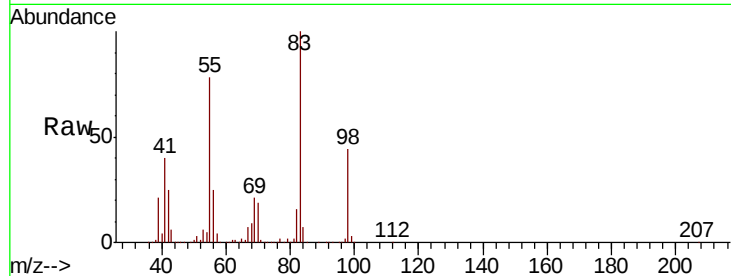
#39
Methvlcvclohexane
Concen: 116.691 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.1	63.9	95.9
98	44.1	35.6	53.4

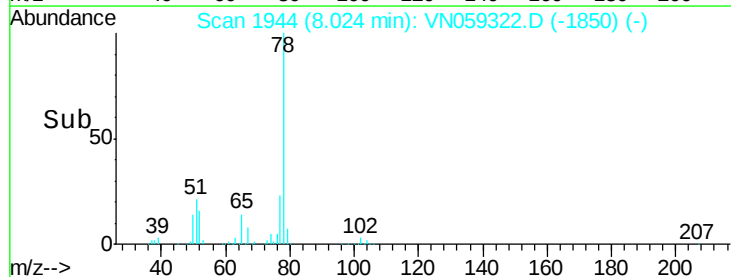
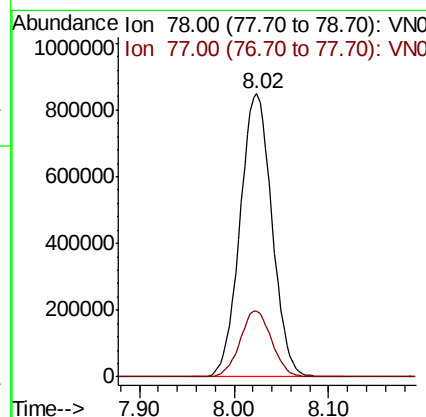
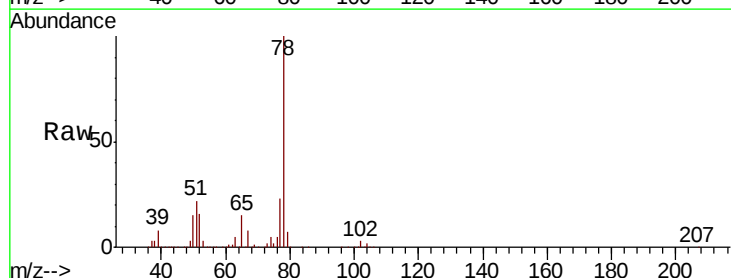
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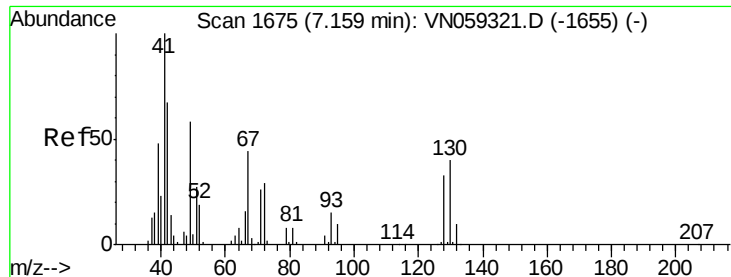
MMDadoda
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#40
Benzene
Concen: 107.468 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	18.8	28.2





#41

Methacrylonitrile

Concen: 114.489 ug/l m

RT: 7.16 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 340869

Ion Ratio Lower Upper

41 100

39 0.0 0.0 0.0

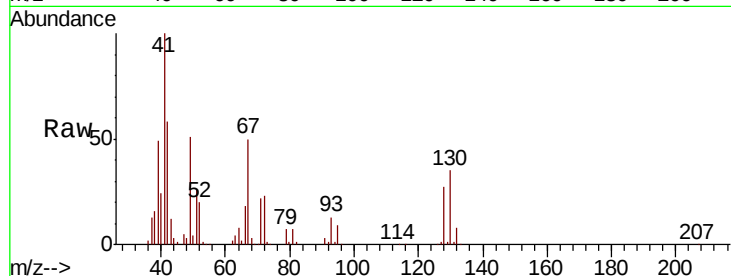
67 0.0 0.0 0.0

52 0.0 0.0 0.0

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Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

300000

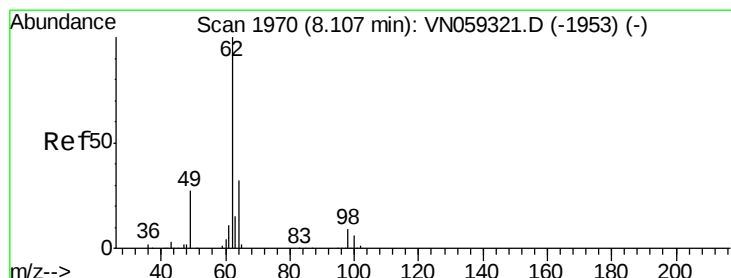
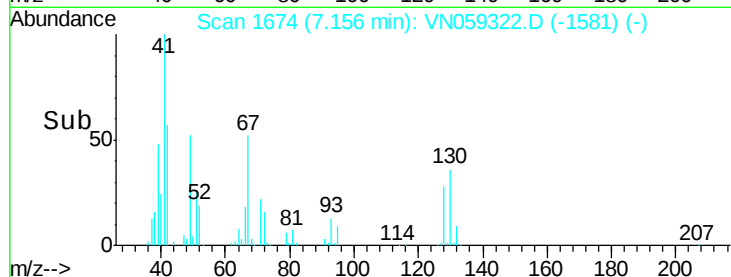
200000

100000

0

7.10 7.15

Time-->



#42

1,2-Dichloroethane

Concen: 104.052 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN059322.D

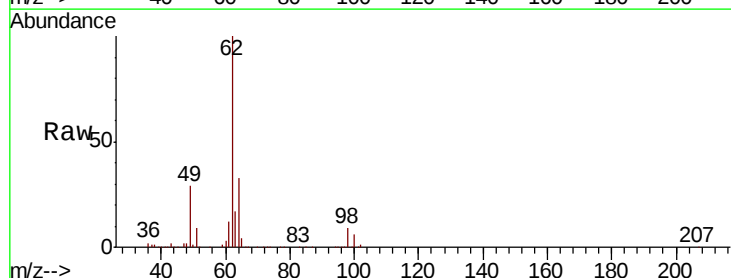
Acq: 20 Nov 2019 12:52

Tgt Ion: 62 Resp: 661414

Ion Ratio Lower Upper

62 100

98 9.3 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

300000

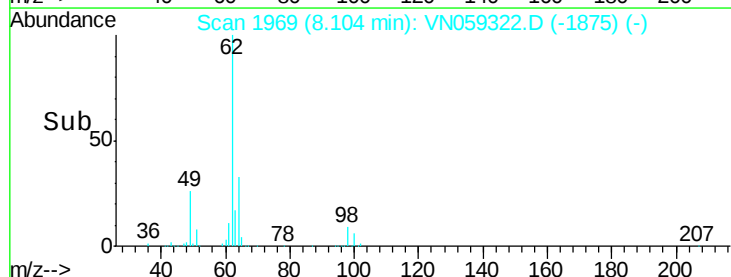
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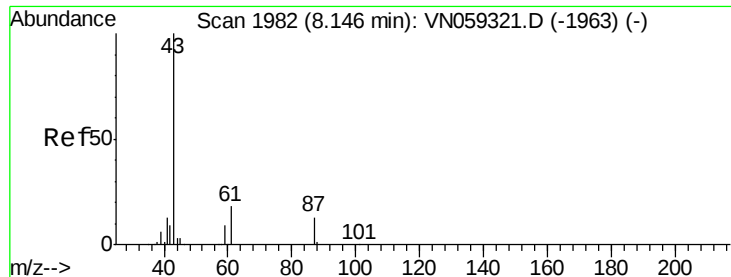
100000

0

8.00 8.10 8.20

Time-->





#43

Isopropyl Acetate

Concen: 108.075 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1179701

Ion Ratio Lower Upper

43 100

61 26.8 21.0 31.6

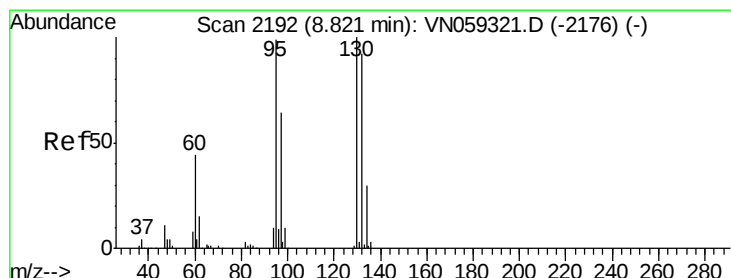
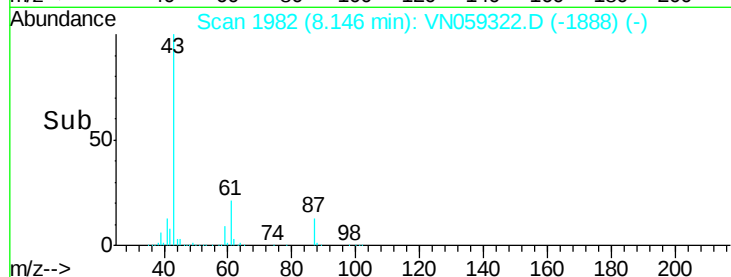
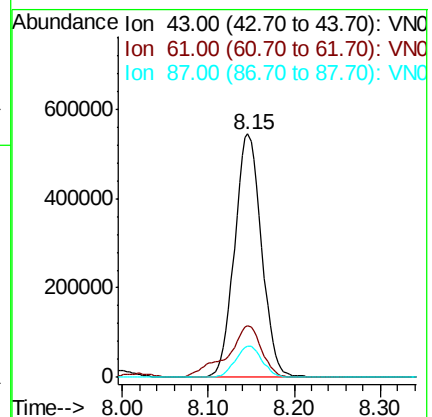
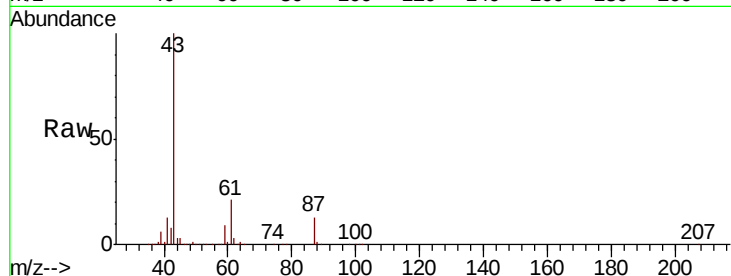
87 12.9 9.8 14.6

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#44

Trichloroethene

Concen: 109.808 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059322.D

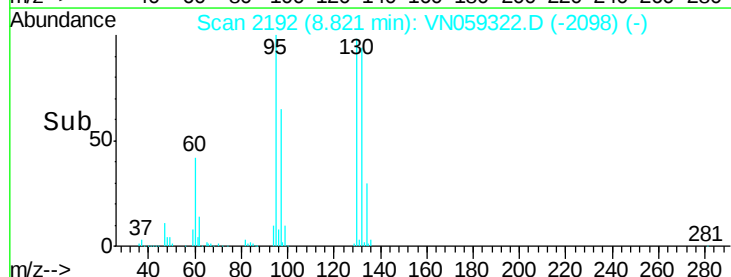
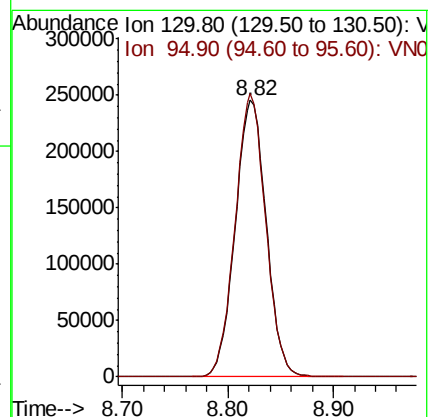
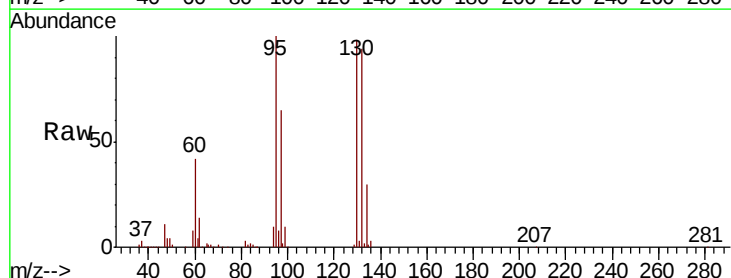
Acq: 20 Nov 2019 12:52

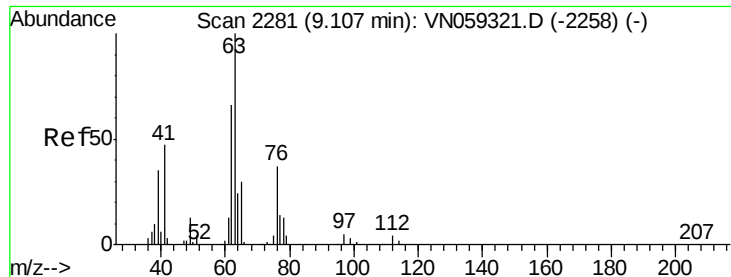
Tgt Ion: 130 Resp: 500276

Ion Ratio Lower Upper

130 100

95 102.2 0.0 206.4





#45

1,2-Dichloropropane

Concen: 107.053 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 538914

Ion Ratio Lower Upper

63 100

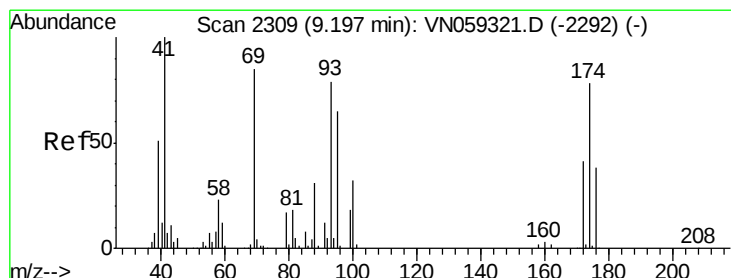
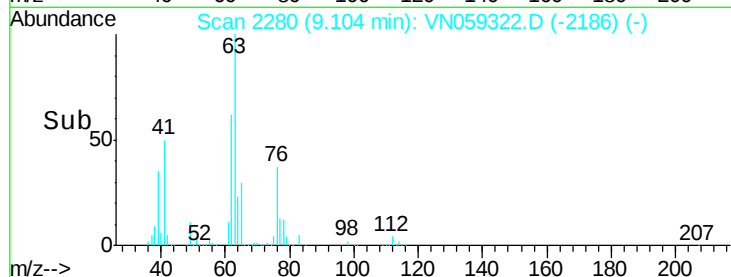
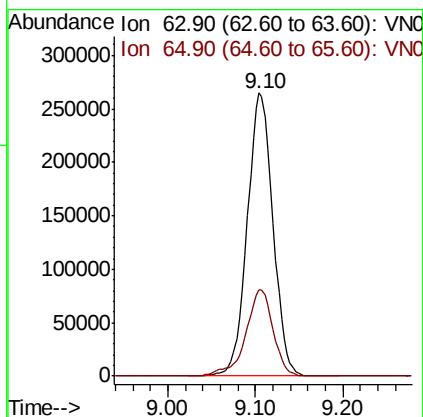
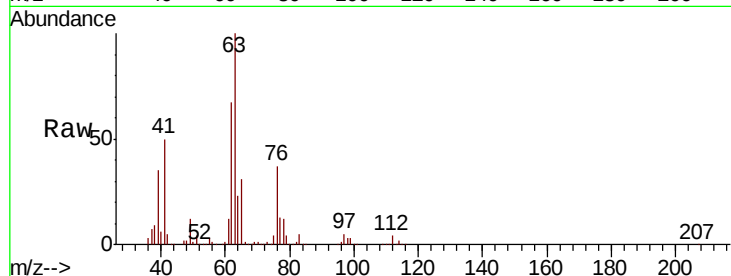
65 30.7 24.6 37.0

Manual Integrations

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#46

Dibromomethane

Concen: 105.898 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

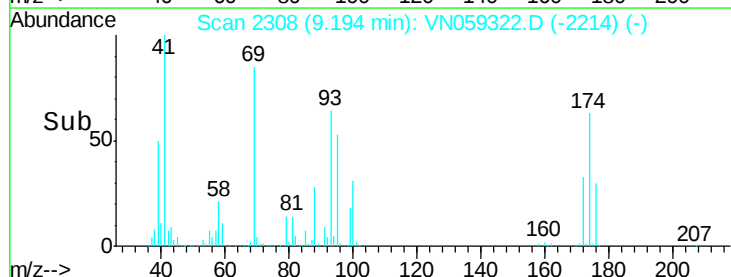
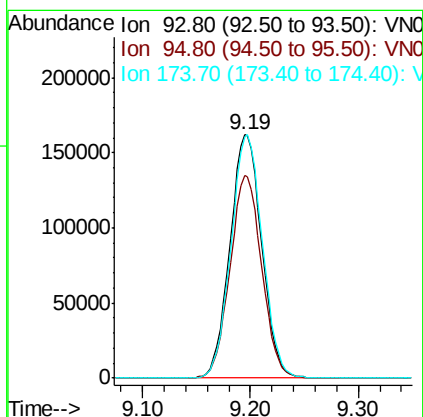
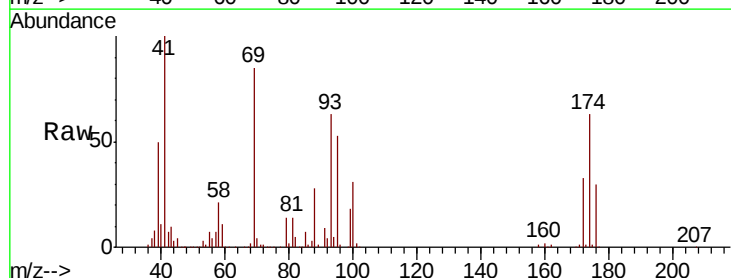
Tgt Ion: 93 Resp: 332200

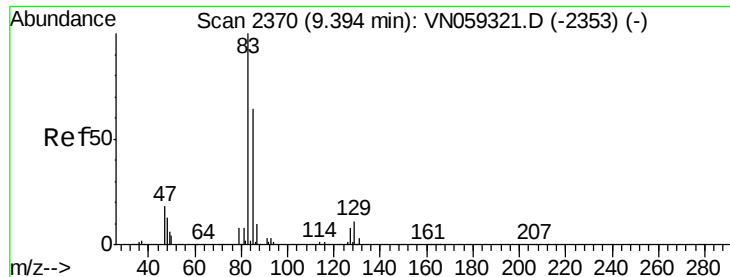
Ion Ratio Lower Upper

93 100

95 83.1 66.6 100.0

174 99.3 78.2 117.2





#47

Bromodichloromethane

Concen: 107.343 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

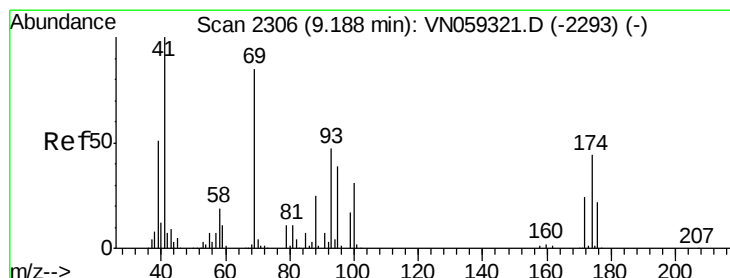
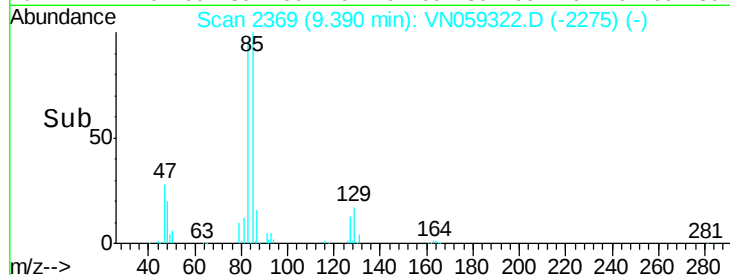
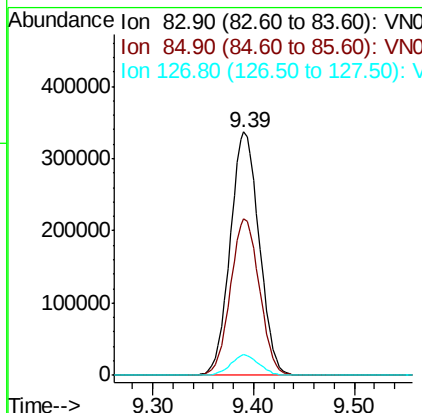
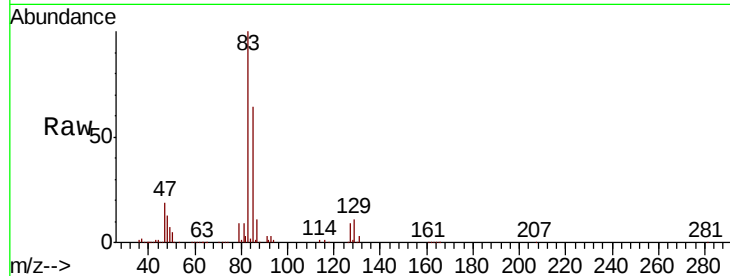
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	672399
Ion	Ratio	Lower	Upper
83	100		
85	64.2	49.7	74.5
127	8.5	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 111.638 ug/l

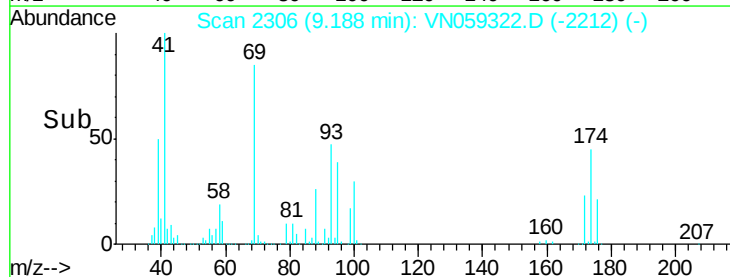
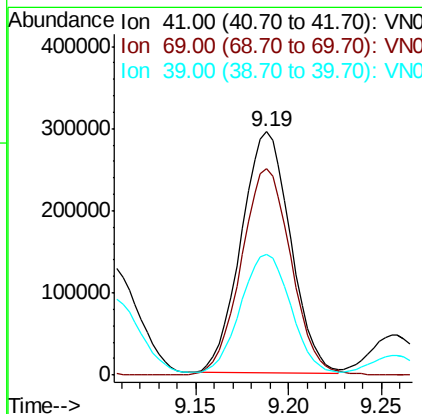
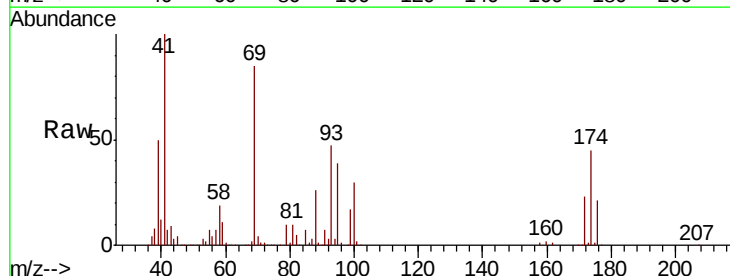
RT: 9.19 min Scan# 2306

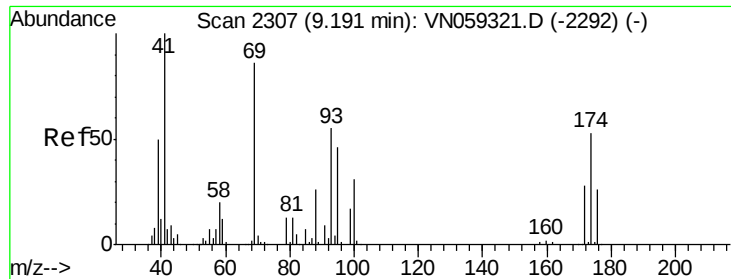
Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Tgt Ion:	41	Resp:	545072
Ion	Ratio	Lower	Upper
41	100		
69	86.9	67.3	100.9
39	51.9	43.3	64.9





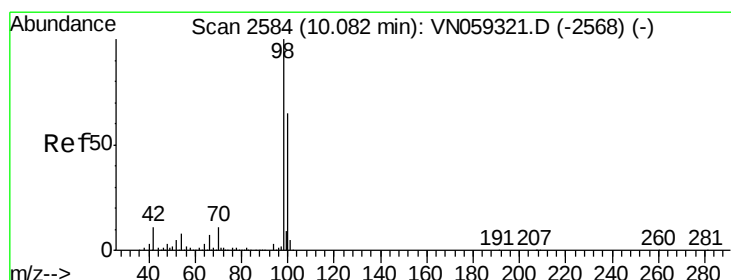
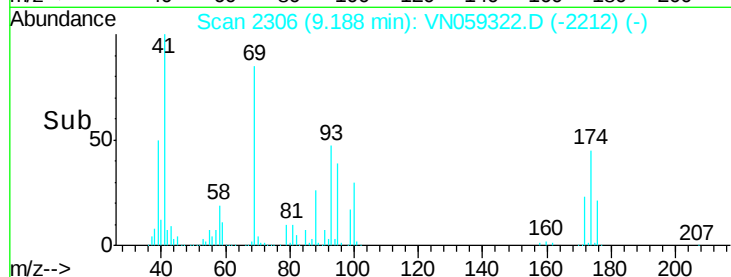
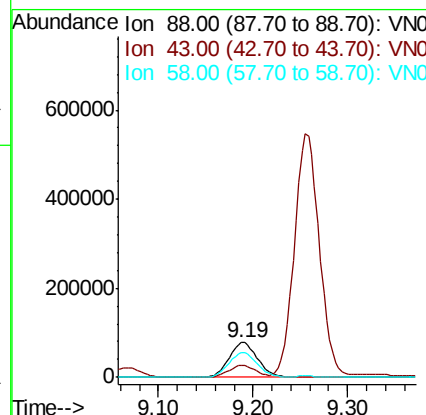
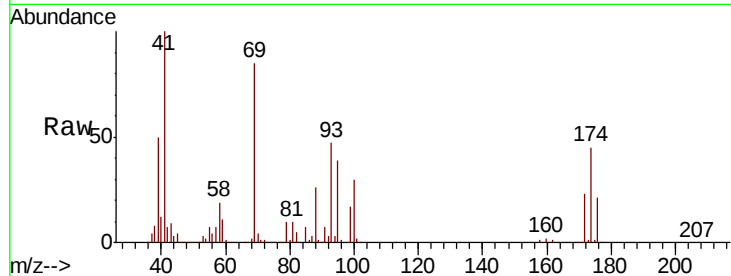
#49
1,4-Dioxane
Concen: 1890.670 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
88	100	164052		
43	32.0	26.3	39.5	
58	71.9	60.6	90.8	

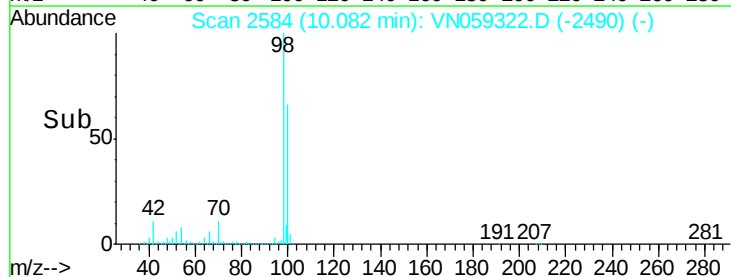
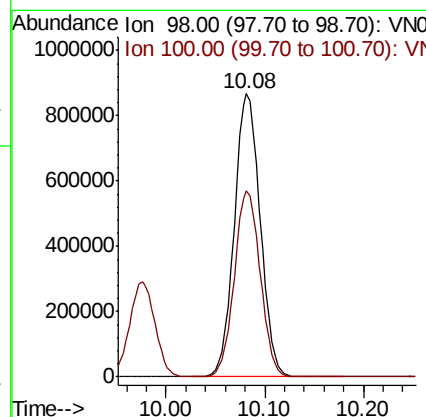
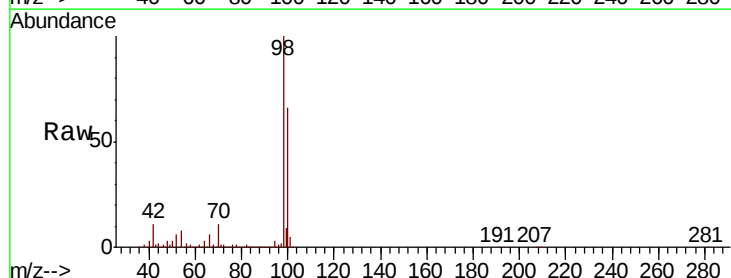
Manual Integrations
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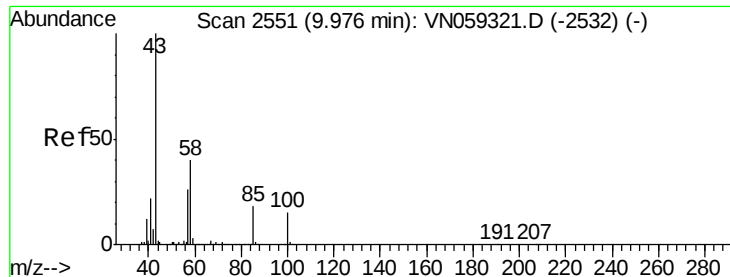
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#50
Toluene-d8
Concen: 102.558 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	1588239		
100	65.7	52.2	78.2	





#51

4-Methyl-2-Pentanone

Concen: 548.930 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 3390357

Ion Ratio Lower Upper

43 100

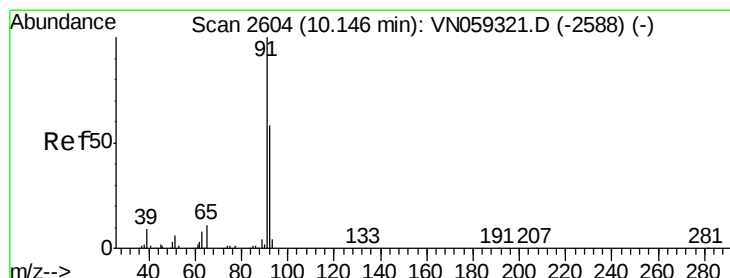
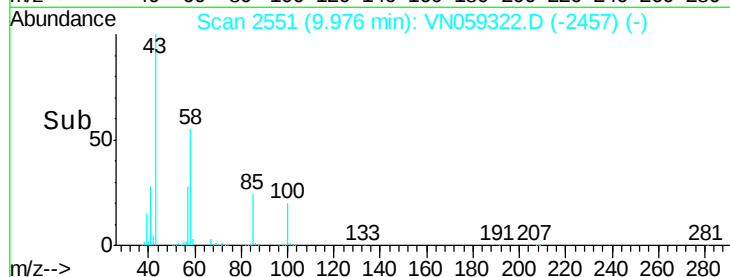
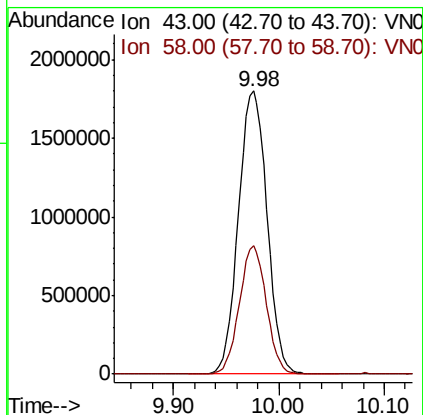
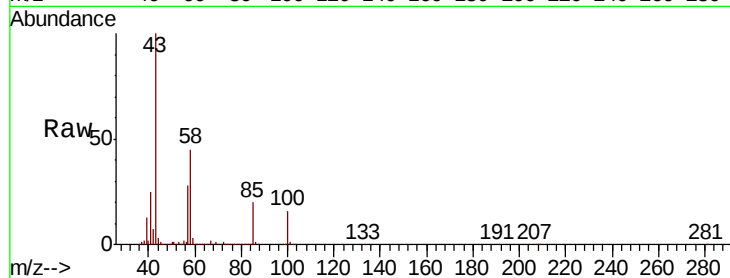
58 42.7 31.5 47.3

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#52

Toluene

Concen: 109.605 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059322.D

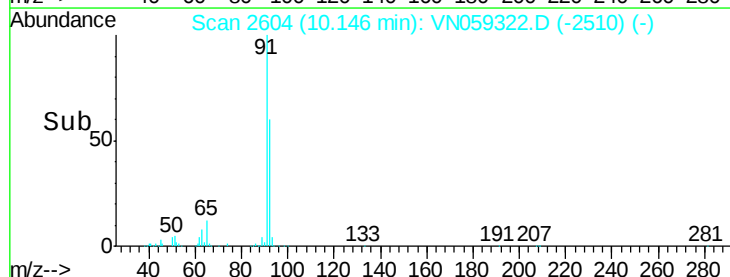
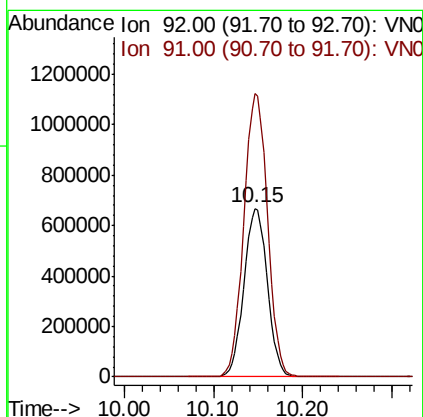
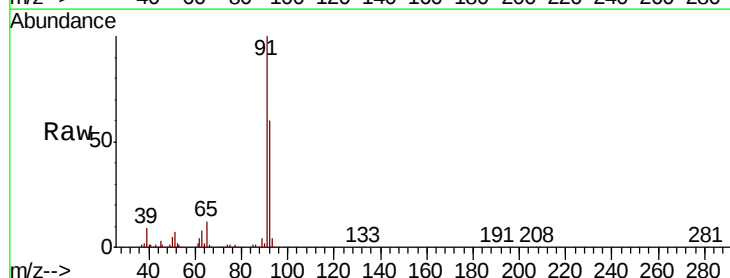
Acq: 20 Nov 2019 12:52

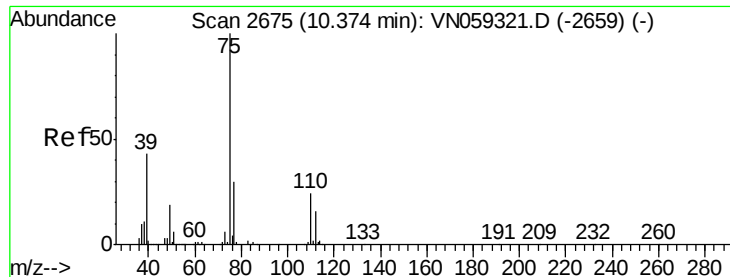
Tgt Ion: 92 Resp: 1217556

Ion Ratio Lower Upper

92 100

91 170.5 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 109.665 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 75 Resp: 793646

Ion Ratio Lower Upper

75 100

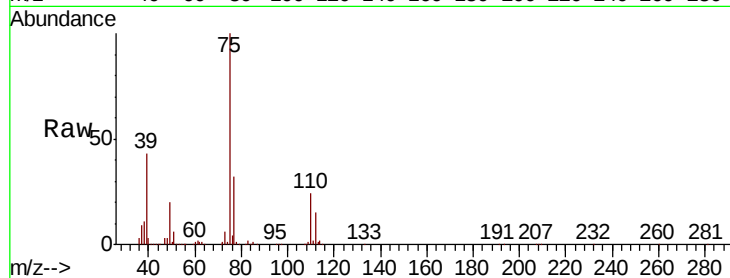
77 31.9 25.3 37.9

Manual Integrations

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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

400000

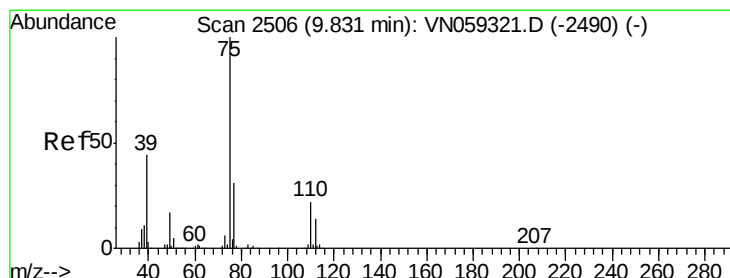
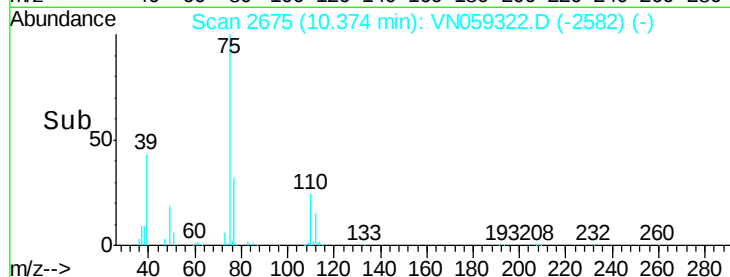
300000

200000

100000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 111.086 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

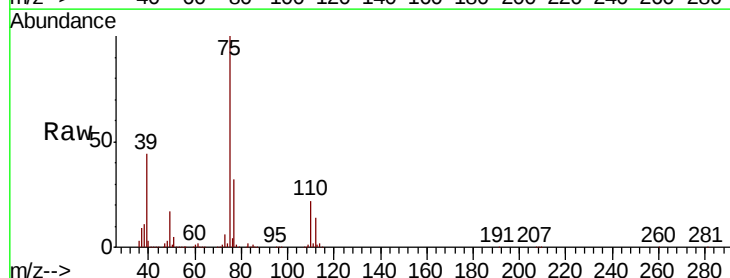
Tgt Ion: 75 Resp: 864770

Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 44.2 37.3 55.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

600000

500000

400000

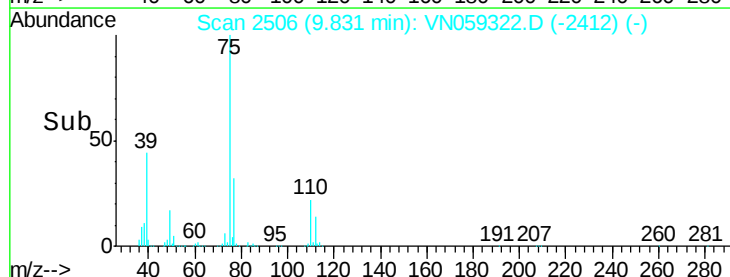
300000

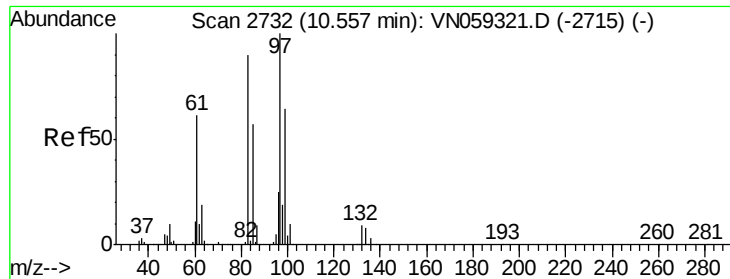
200000

100000

0

Time-->





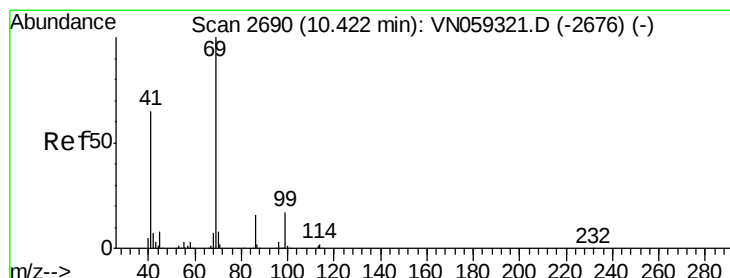
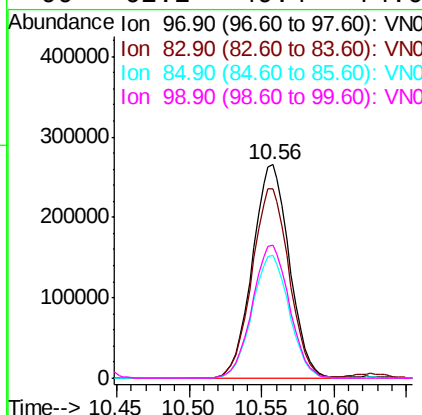
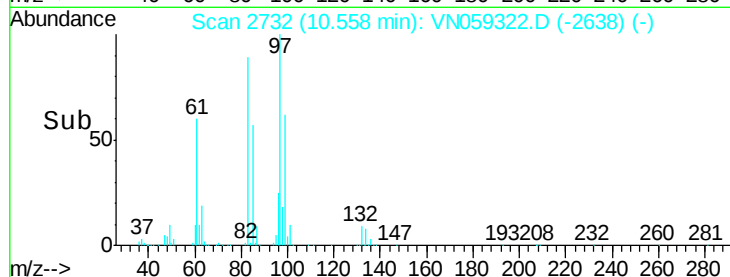
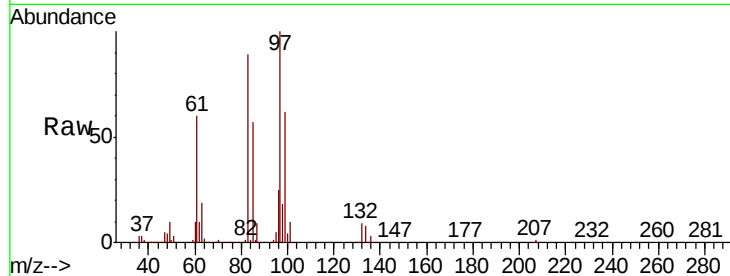
#55
 1,1,2-Trichloroethane
 Concen: 104.992 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059322.D
 Acq: 20 Nov 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	472014
Ion	Ratio	Lower	Upper
97	100		
83	88.9	71.0	106.4
85	57.3	45.8	68.8
99	62.2	49.4	74.0

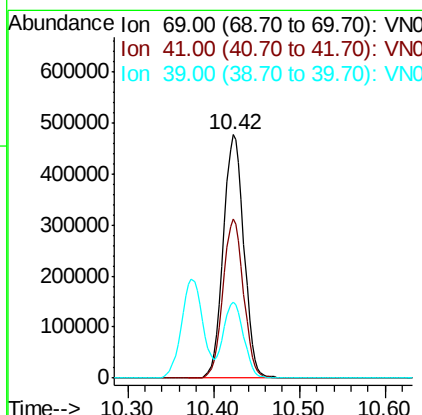
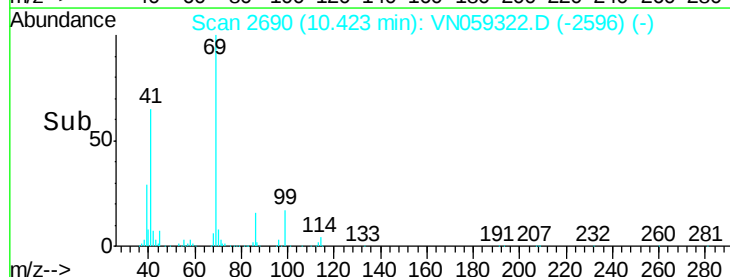
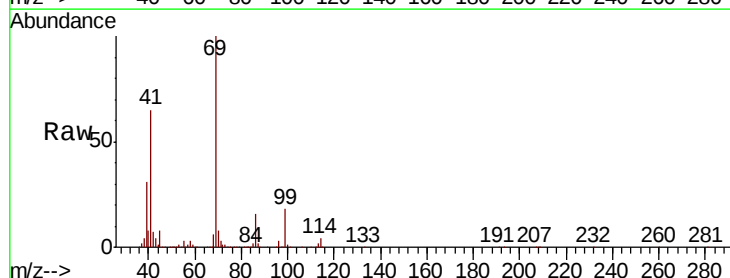
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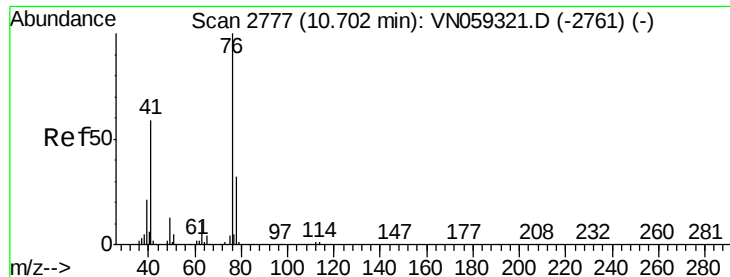
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 11/21/2019 11:07:58 AM



#56
 Ethyl methacrylate
 Concen: 119.225 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059322.D
 Acq: 20 Nov 2019 12:52

Tgt Ion:	69	Resp:	795622
Ion	Ratio	Lower	Upper
69	100		
41	64.6	53.6	80.4
39	31.0	26.2	39.4





#57

1,3-Dichloropropane

Concen: 106.960 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 827615

Ion Ratio Lower Upper

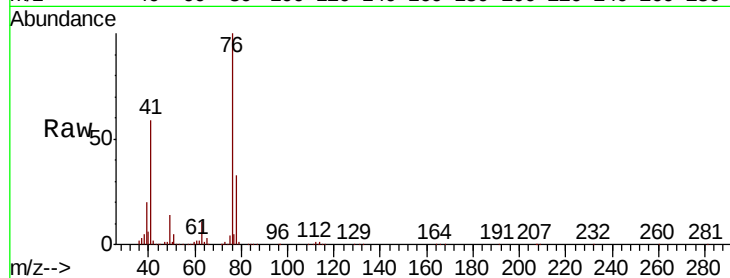
76 100

78 32.6 25.8 38.8

Manual Integrations
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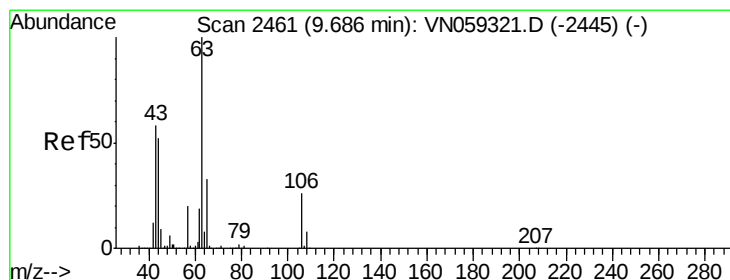
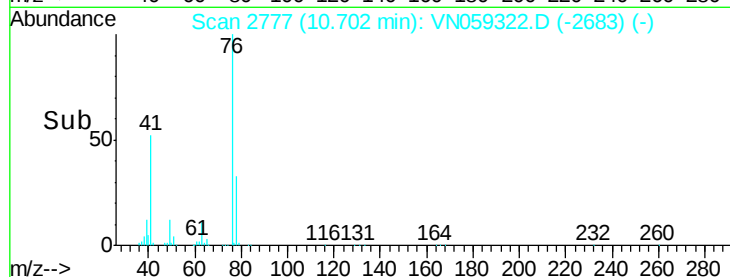
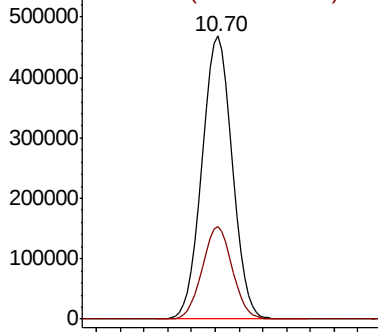
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 561.839 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059322.D

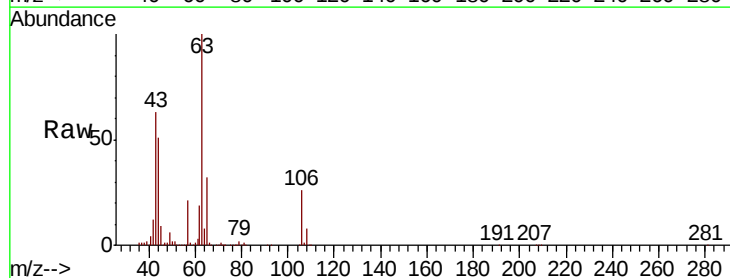
Acq: 20 Nov 2019 12:52

Tgt Ion: 63 Resp: 1405716

Ion Ratio Lower Upper

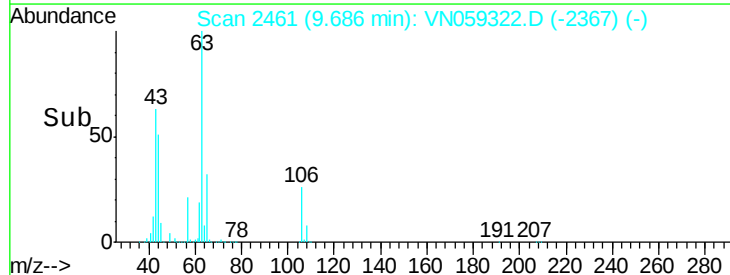
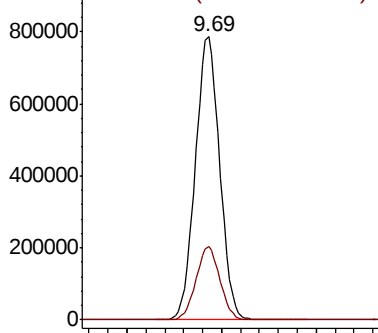
63 100

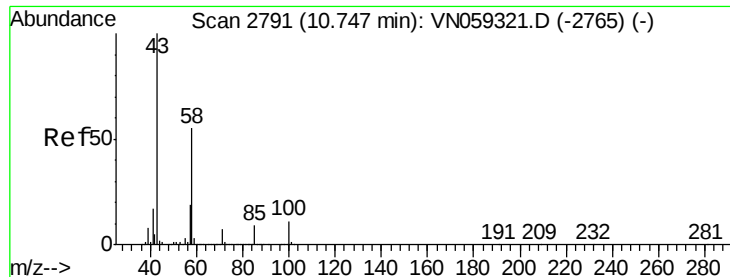
106 25.5 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





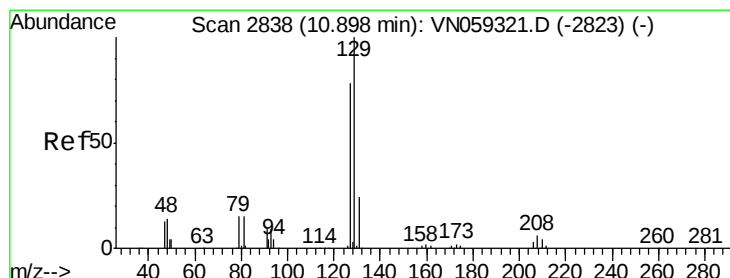
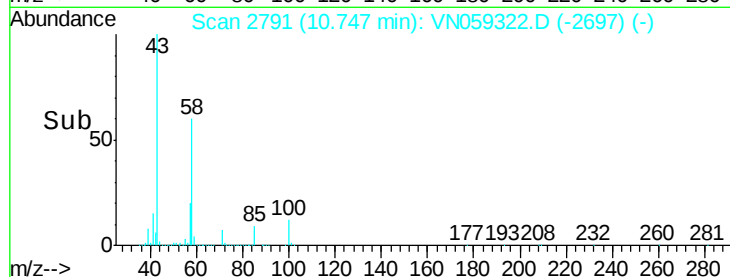
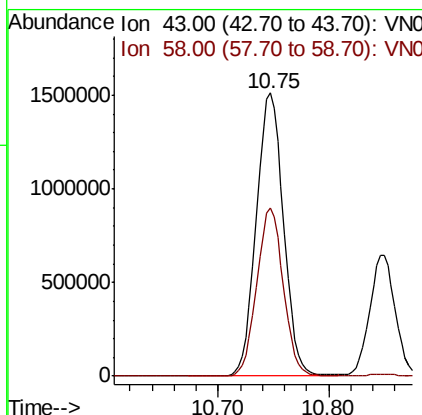
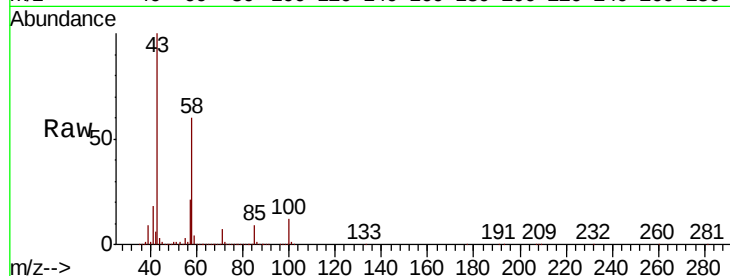
#59
2-Hexanone
Concen: 547.594 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2595922
Ion Ratio Lower Upper
43 100
58 58.0 27.3 81.8

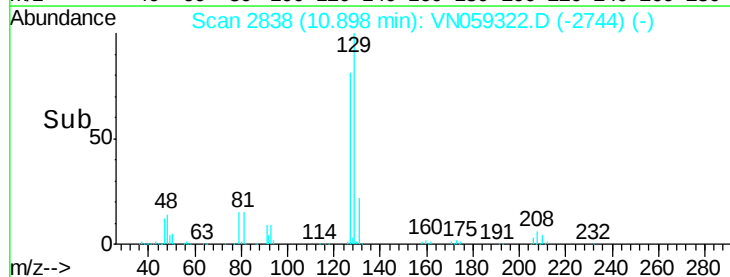
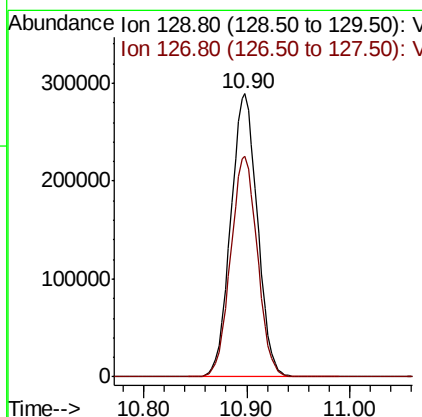
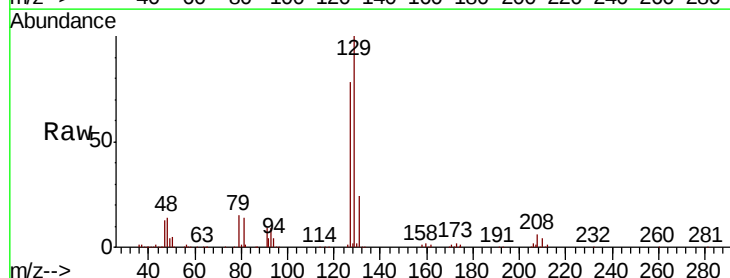
Manual Integrations
APPROVED

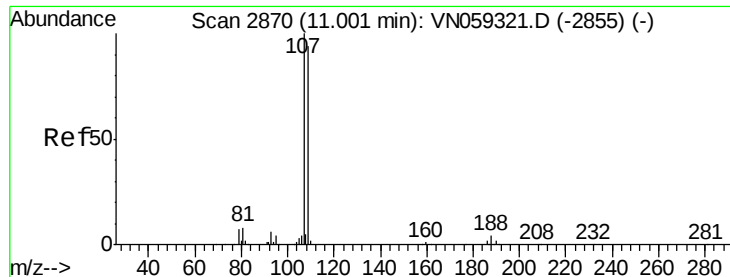
MMDadoda
11/21/2019 11:07:58 AM



#60
Dibromochloromethane
Concen: 109.683 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Tgt Ion:129 Resp: 521356
Ion Ratio Lower Upper
129 100
127 77.9 38.6 115.8





#61

1,2-Dibromoethane

Concen: 110.490 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 502851

Ion Ratio Lower Upper

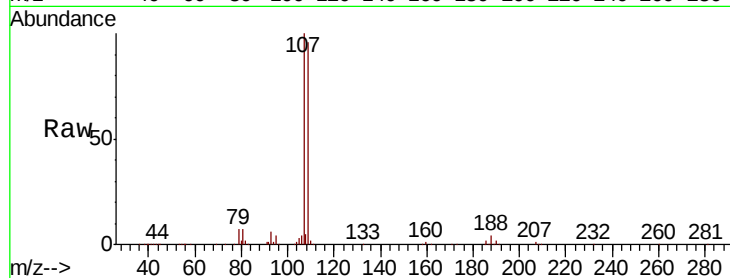
107 100

109 94.7 75.5 113.3

Manual Integrations
APPROVED

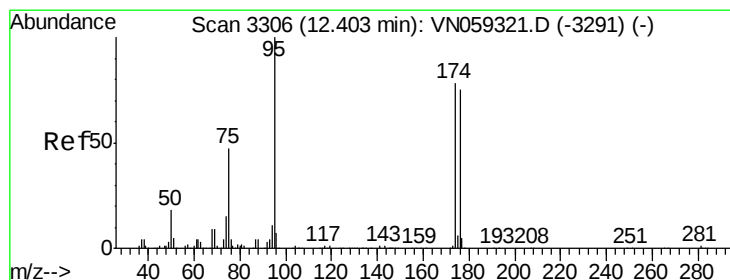
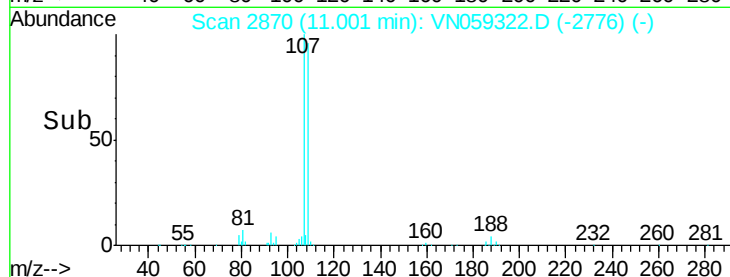
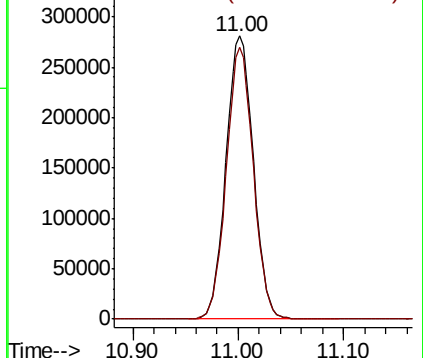
MMDadoda

11/21/2019 11:07:58 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 102.429 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

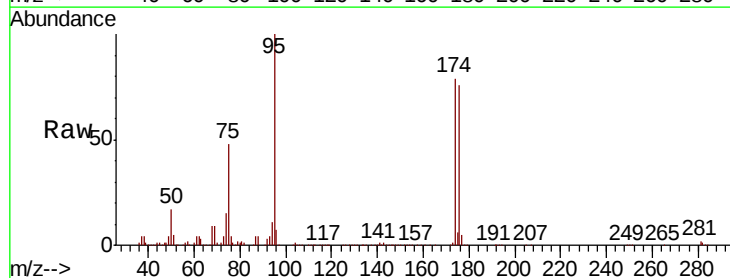
Tgt Ion: 95 Resp: 571941

Ion Ratio Lower Upper

95 100

174 77.7 0.0 158.2

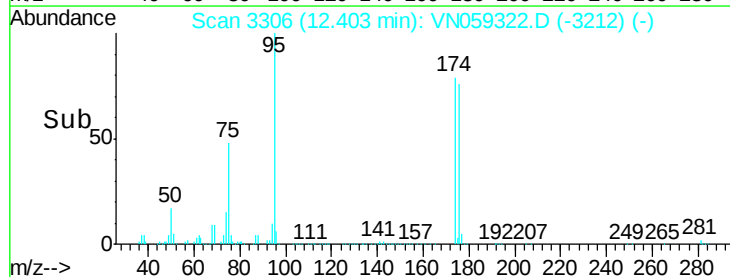
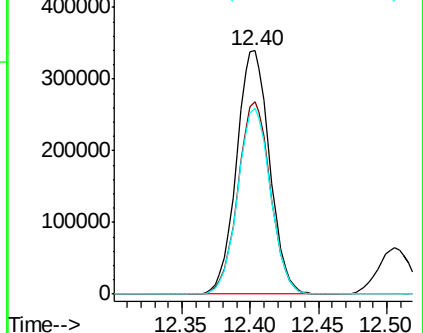
176 75.7 0.0 151.8

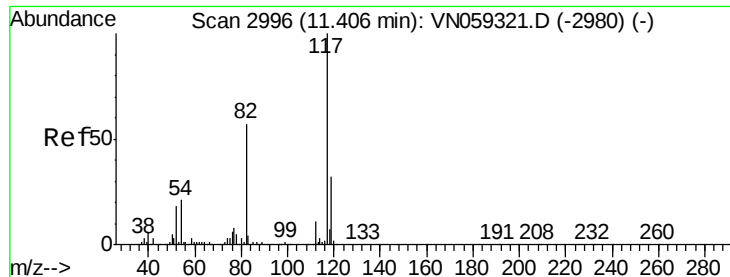


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





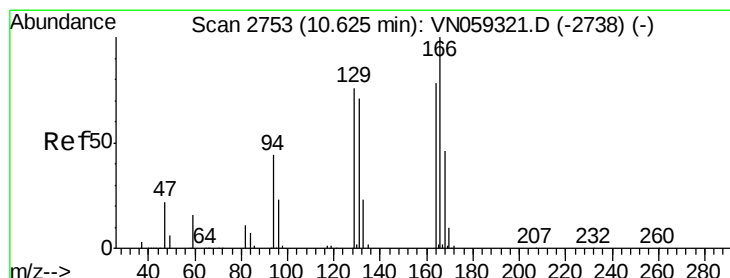
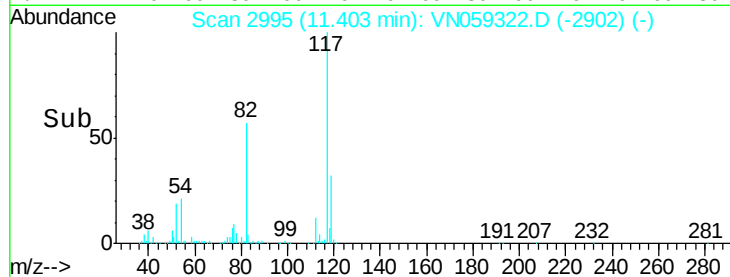
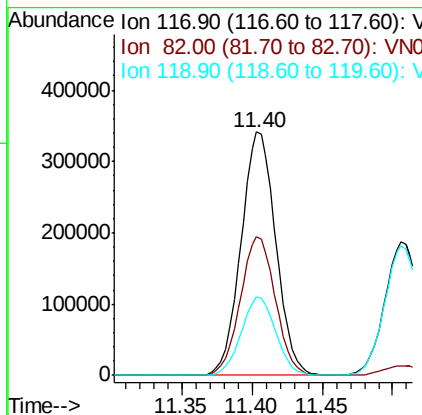
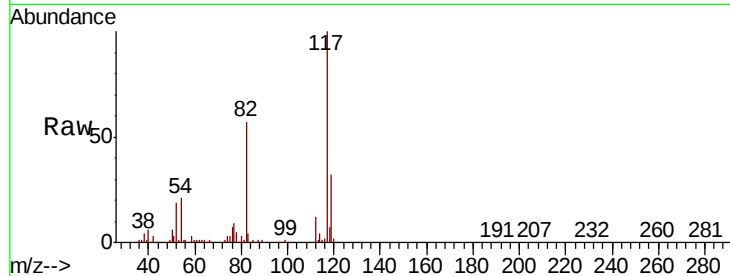
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	589256		
82	57.0		45.8	68.8
119	32.2		25.8	38.6

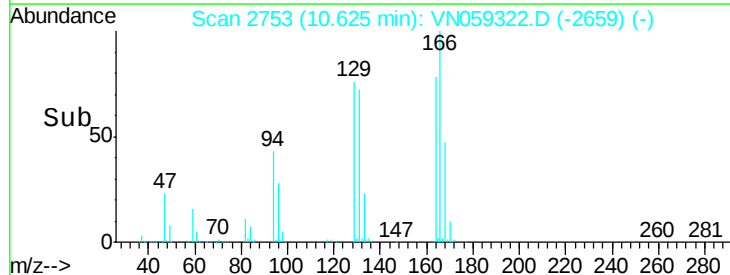
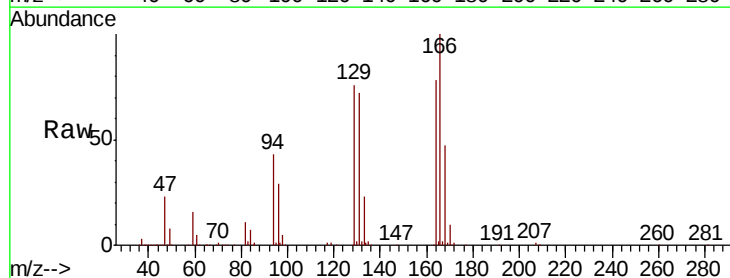
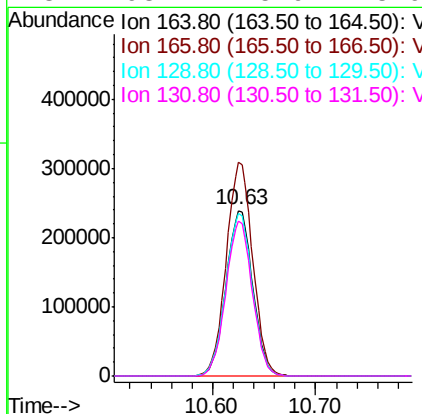
Manual Integrations
APPROVED

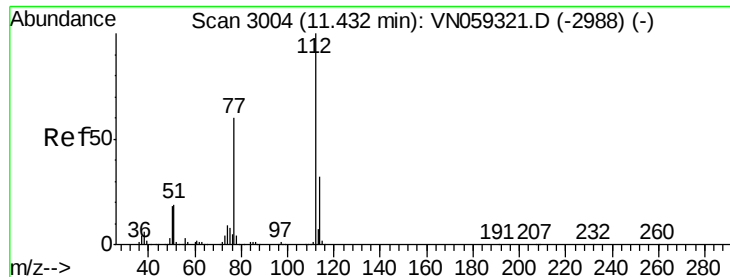
MMDadoda
11/21/2019 11:07:58 AM



#64
Tetrachloroethene
Concen: 107.764 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	431794		
166	128.9		101.5	152.3
129	98.4		78.3	117.5
131	93.4		75.9	113.9





#65

Chlorobenzene

Concen: 109.792 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 1261175

Ion Ratio Lower Upper

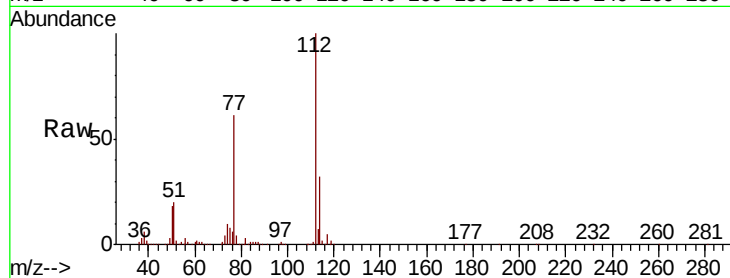
112 100

114 31.9 25.2 37.8

Manual Integrations
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11/21/2019 11:07:58 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

800000

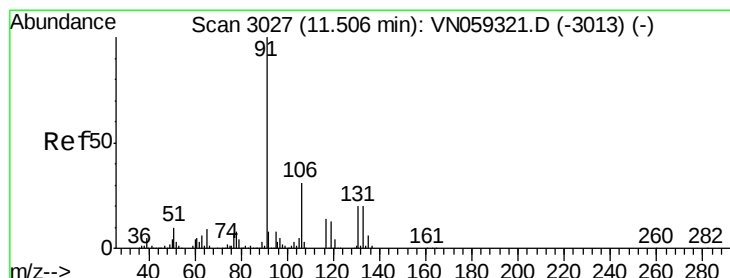
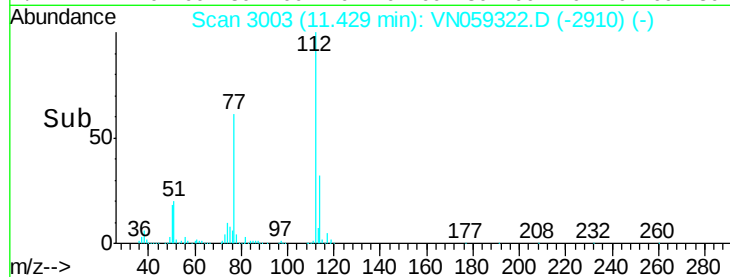
600000

400000

200000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 108.692 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

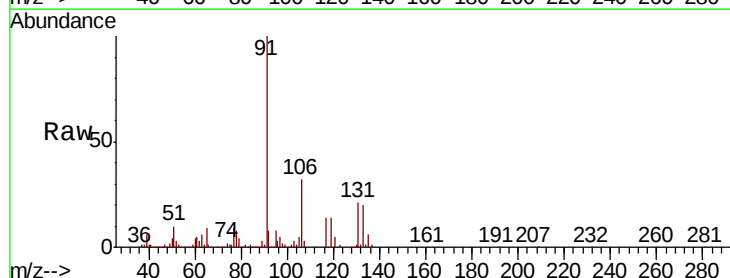
Tgt Ion:131 Resp: 468354

Ion Ratio Lower Upper

131 100

133 96.0 47.4 142.3

119 67.6 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

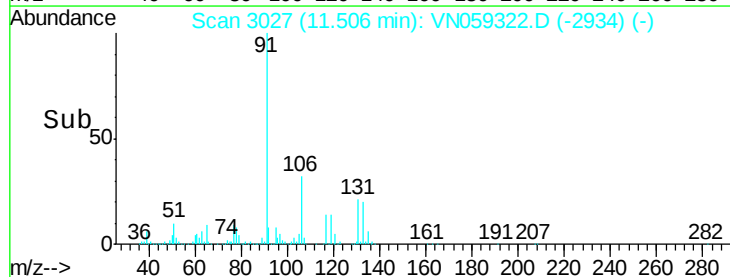
300000

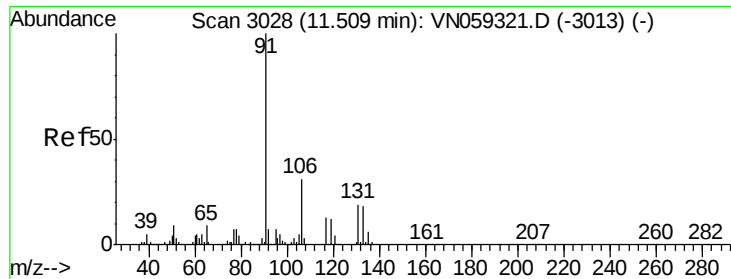
200000

100000

0

Time-->





#67

Ethyl Benzene

Concen: 111.453 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2271451

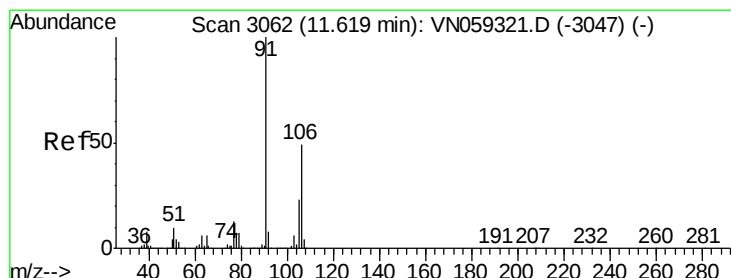
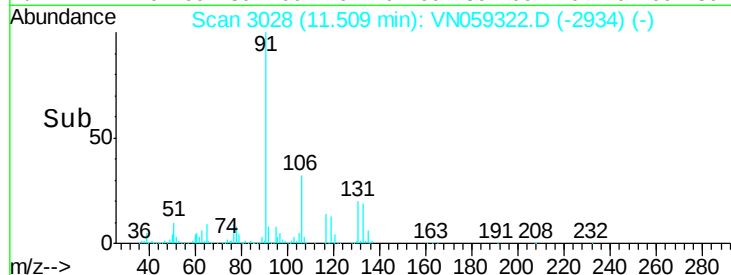
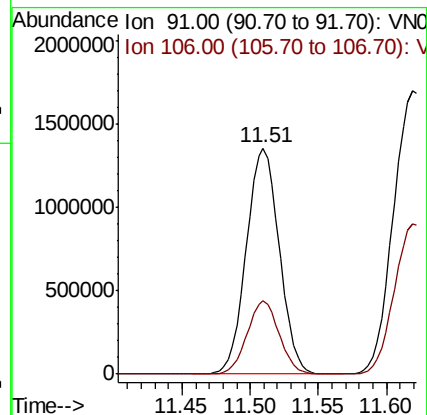
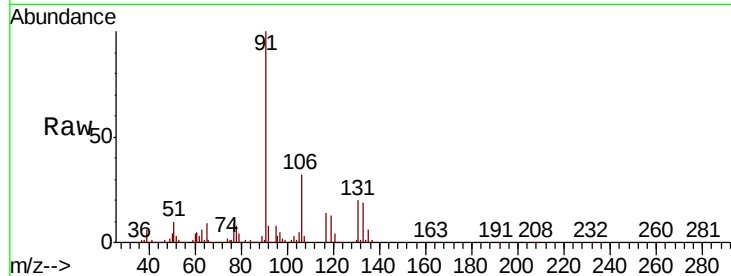
Ion Ratio Lower Upper

91 100

106 32.2 24.1 36.1

Manual Integrations
APPROVED

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11/21/2019 11:07:58 AM



#68

m/p-Xylenes

Concen: 227.203 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059322.D

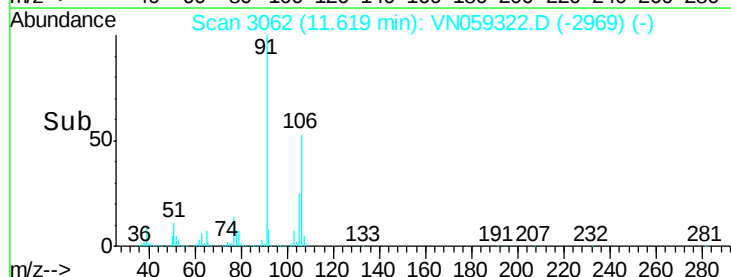
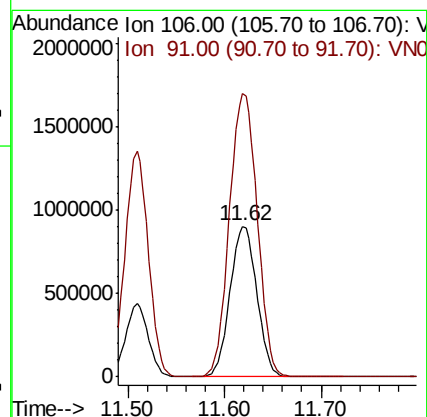
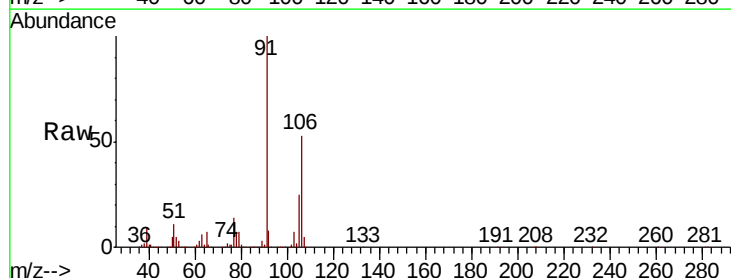
Acq: 20 Nov 2019 12:52

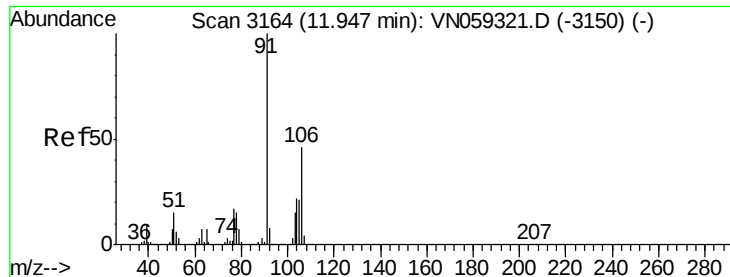
Tgt Ion: 106 Resp: 1734520

Ion Ratio Lower Upper

106 100

91 195.6 164.7 247.1





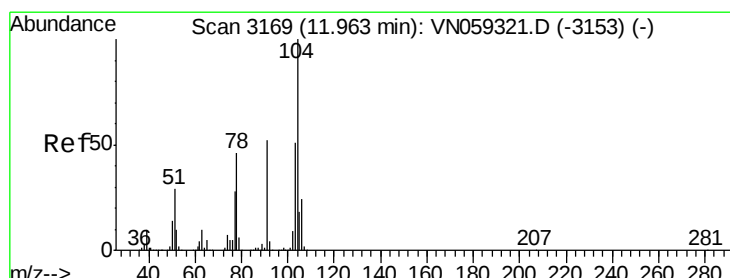
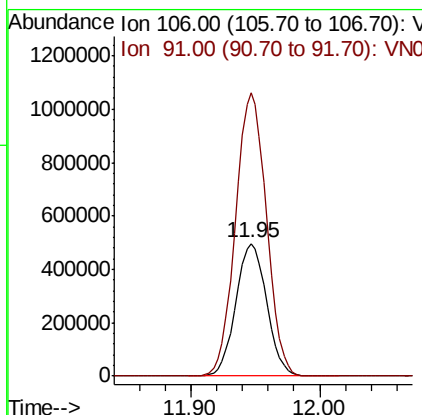
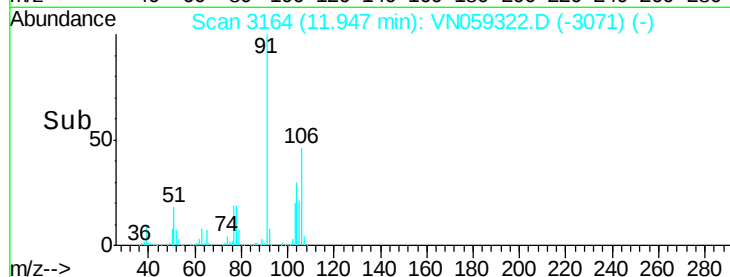
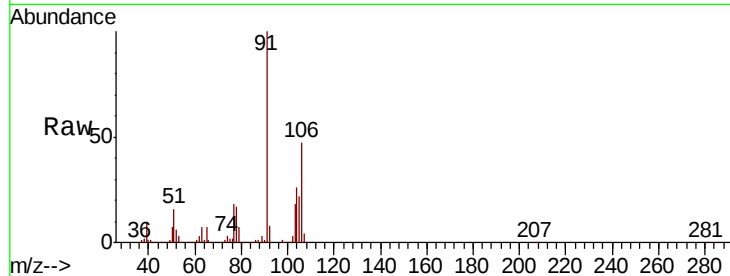
#69
o-Xylene
Concen: 112.003 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 826325
Ion Ratio Lower Upper
106 100
91 213.8 110.1 330.3

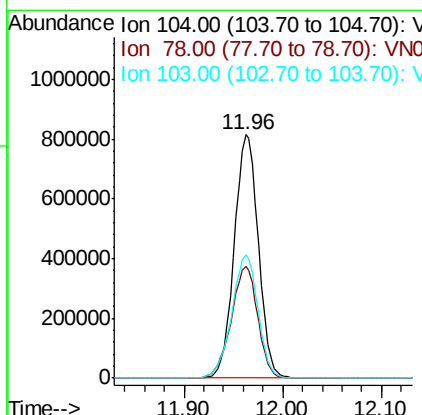
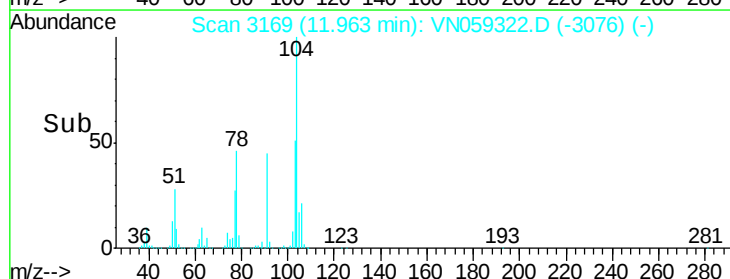
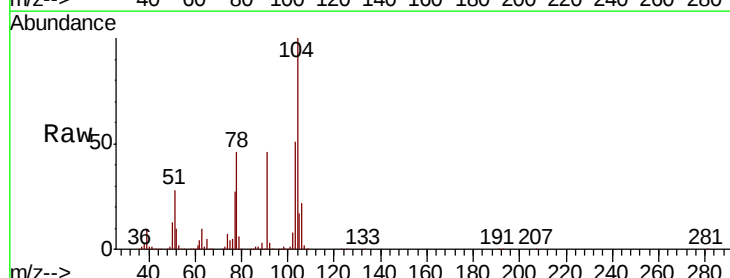
Manual Integrations
APPROVED

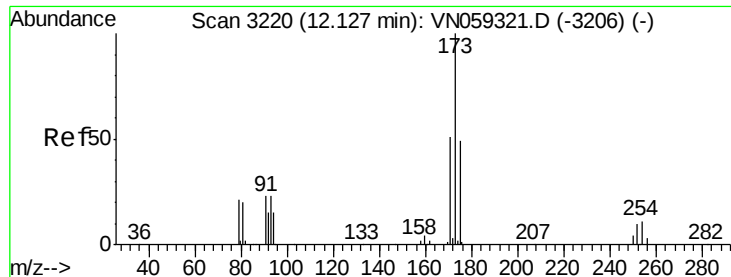
MMDadoda
11/21/2019 11:07:58 AM



#70
Styrene
Concen: 119.481 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Tgt Ion:104 Resp: 1386358
Ion Ratio Lower Upper
104 100
78 50.2 41.2 61.8
103 54.8 43.8 65.6





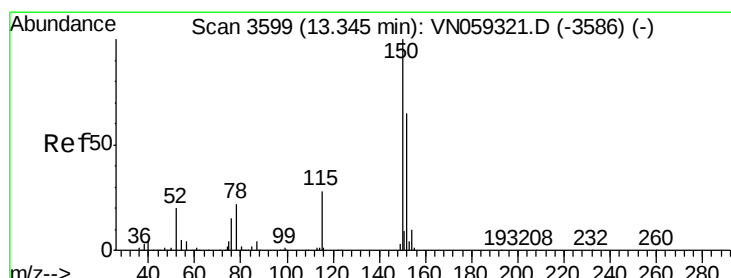
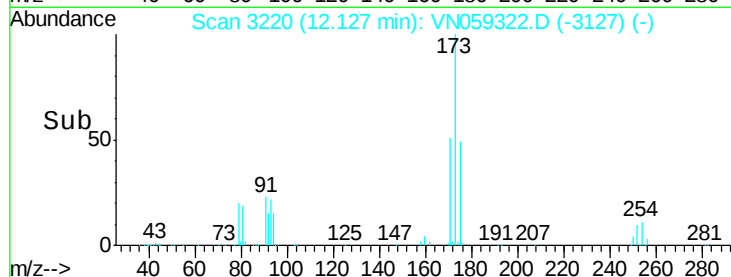
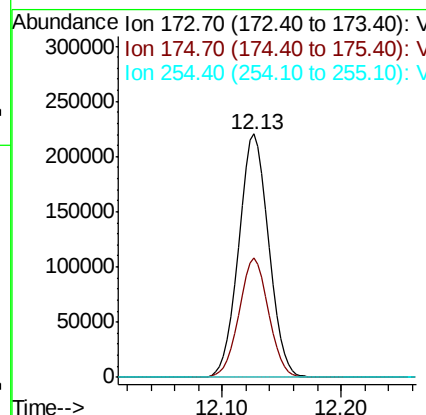
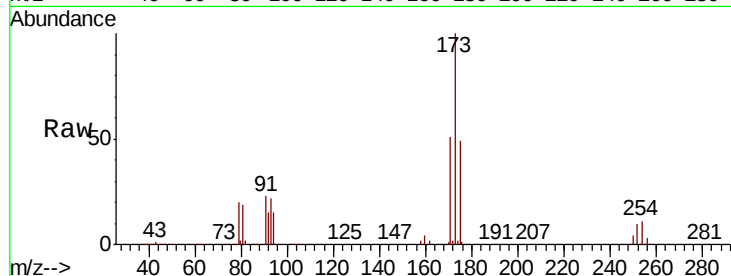
#71
Bromoform
Concen: 114.848 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	24.2	72.6
254	0.1	0.1	0.1

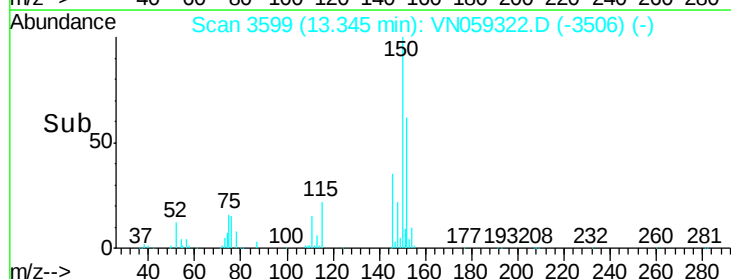
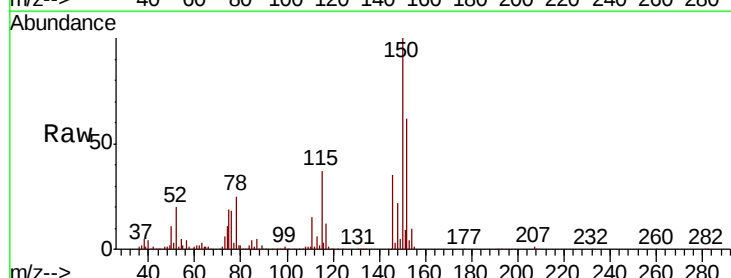
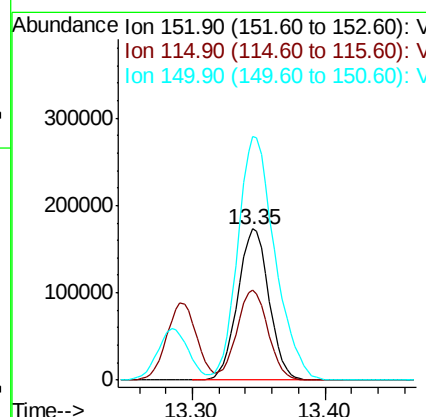
Manual Integrations
APPROVED

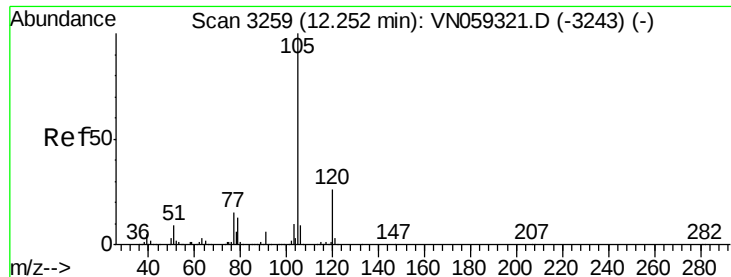
MMDadoda
11/21/2019 11:07:58 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.4	88.2
150	190.1	0.0	345.8





#73

Isopropylbenzene

Concen: 105.737 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2183805

Ion Ratio Lower Upper

105 100

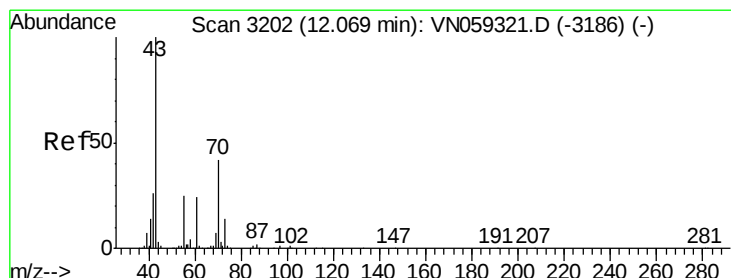
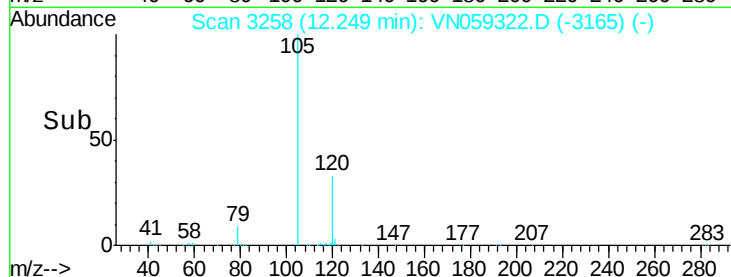
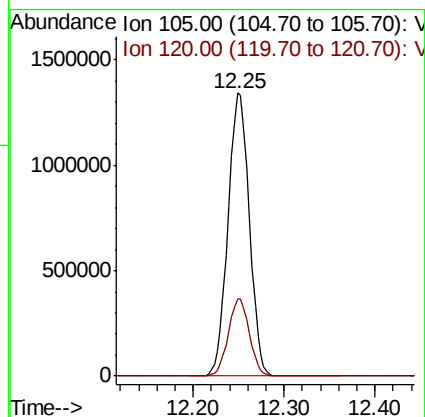
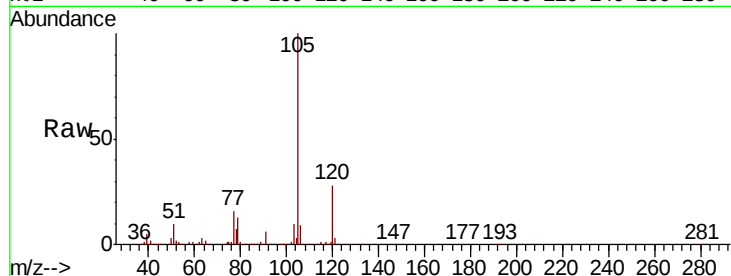
120 27.0 13.1 39.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 112.203 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Tgt Ion: 43 Resp: 981950

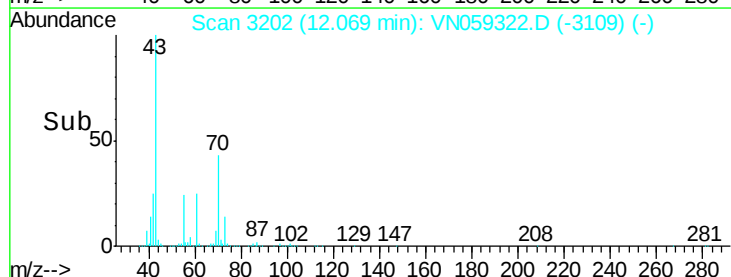
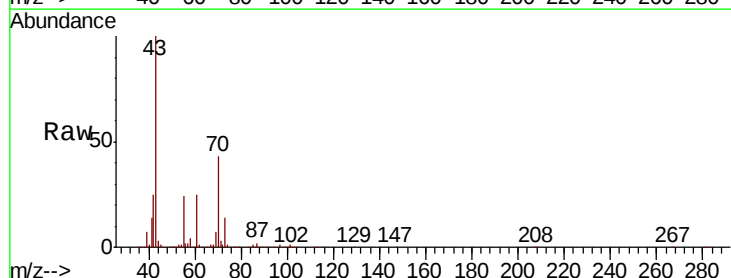
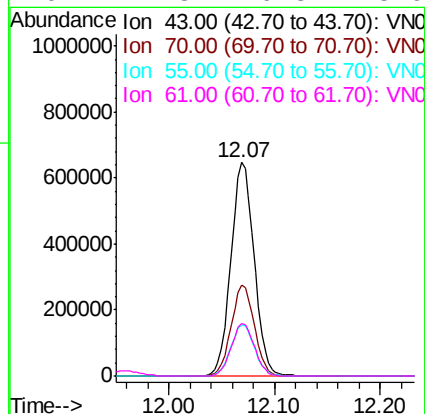
Ion Ratio Lower Upper

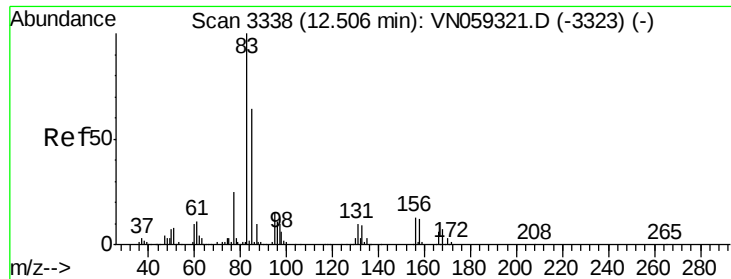
43 100

70 42.6 32.2 48.4

55 24.6 20.4 30.6

61 24.8 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 102.569 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

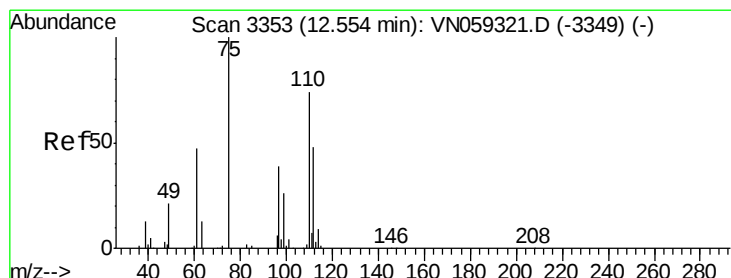
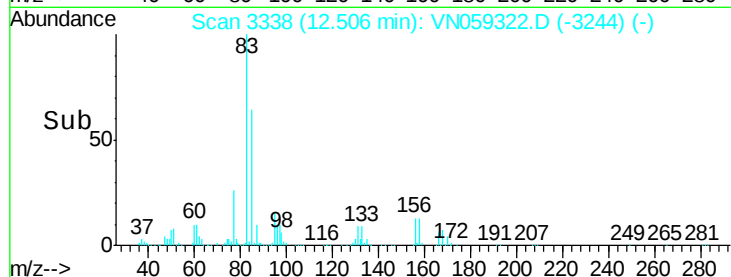
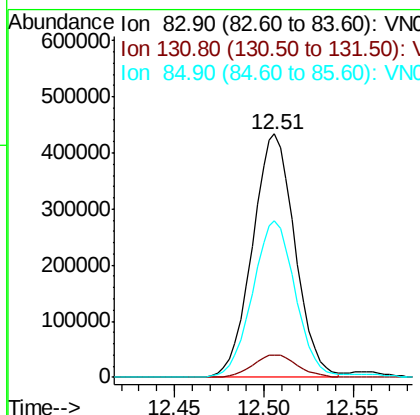
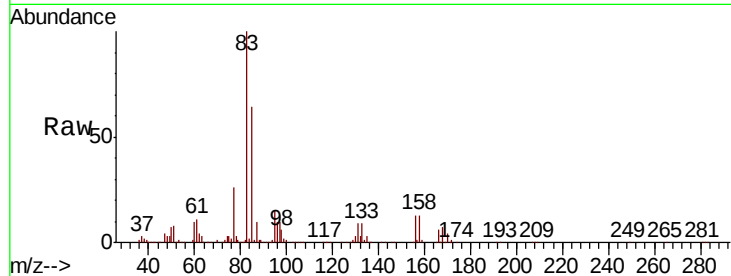
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	721406
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.6
85	64.6	32.4	97.2

Manual Integrations
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11/21/2019 11:07:58 AM



#76

1,2,3-Trichloropropane

Concen: 93.927 ug/l m

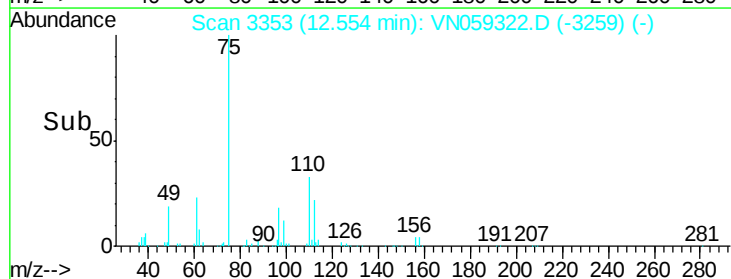
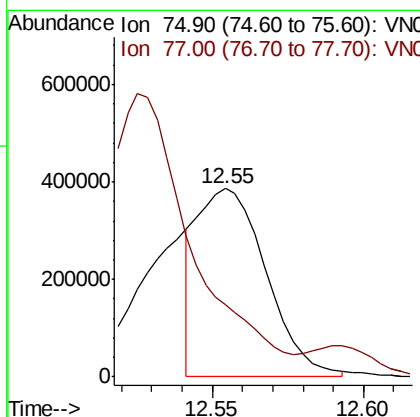
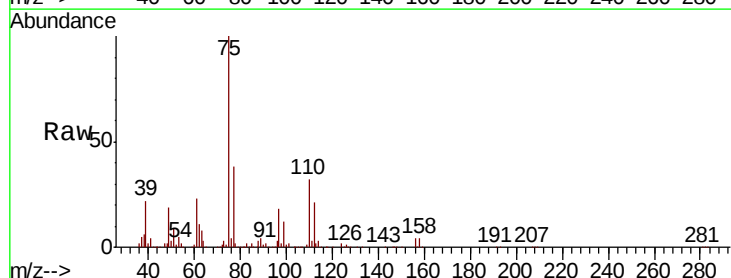
RT: 12.55 min Scan# 3353

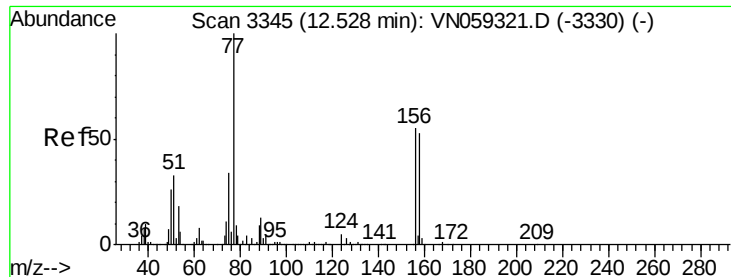
Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Tgt Ion:	75	Resp:	607155
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 102.253 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

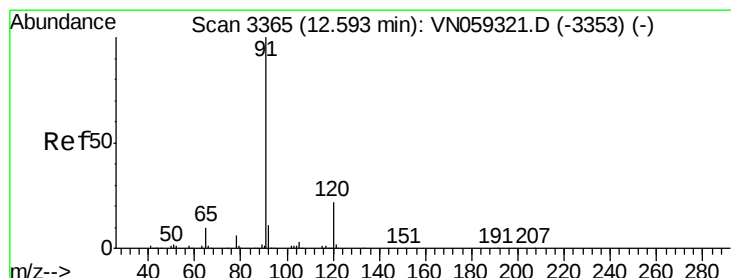
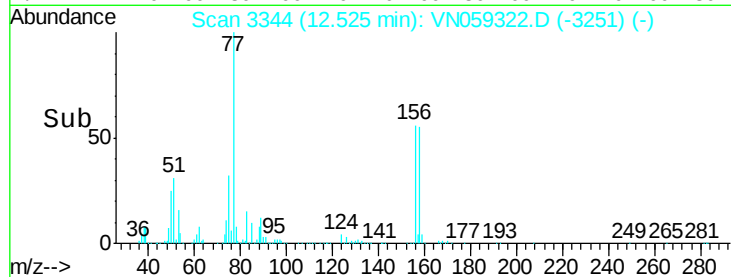
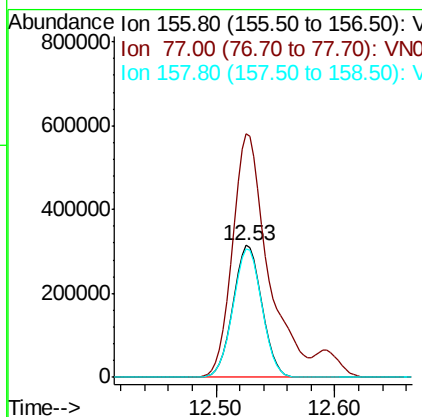
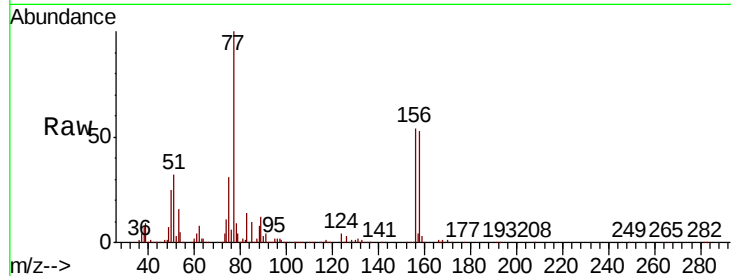
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	530584
Ion Ratio	Lower	Upper	
156	100		
77	224.6	112.8	338.3
158	97.2	48.4	145.3

Manual Integrations
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#78

n-propylbenzene

Concen: 107.651 ug/l

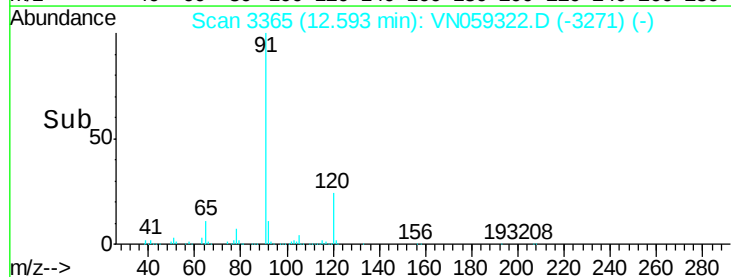
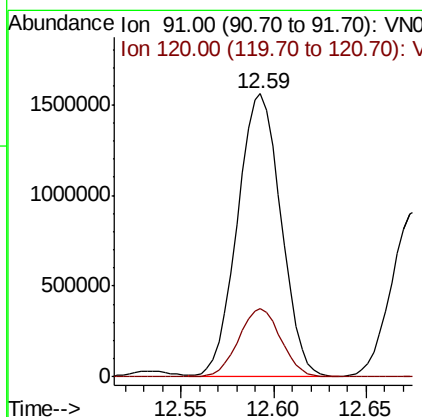
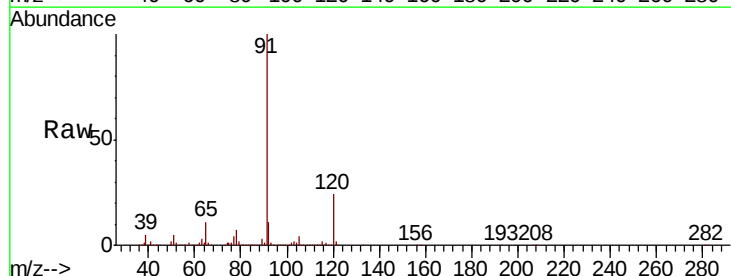
RT: 12.59 min Scan# 3365

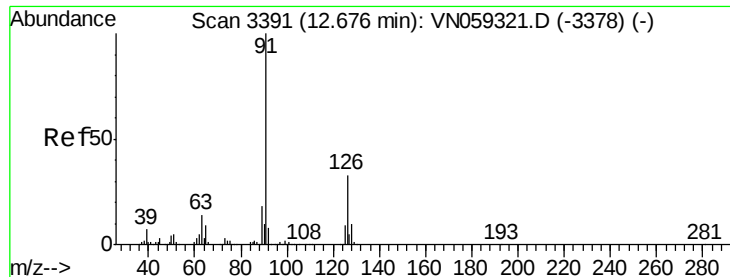
Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Tgt Ion:	91	Resp:	2545703
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.2	33.5





#79

2-Chlorotoluene

Concen: 103.205 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1514020

Ion Ratio Lower Upper

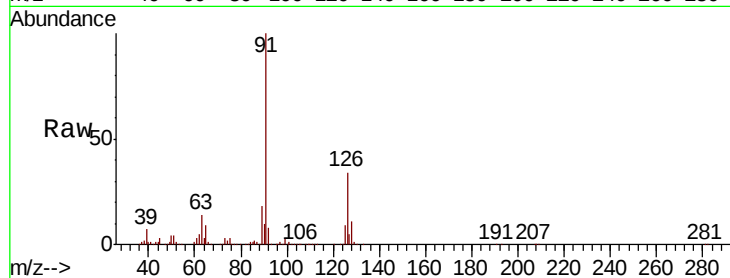
91 100

126 33.4 16.7 50.1

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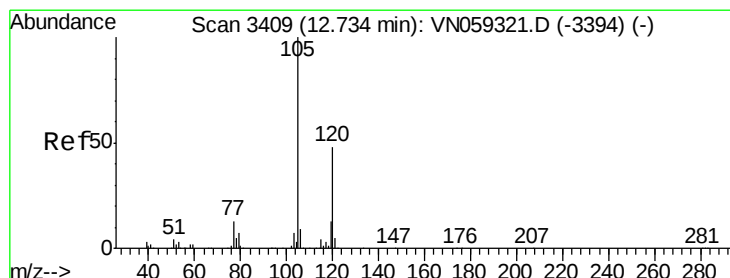
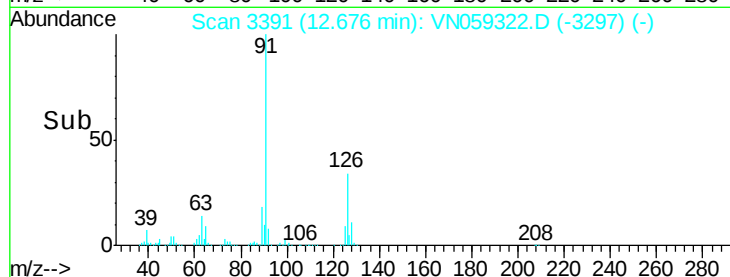
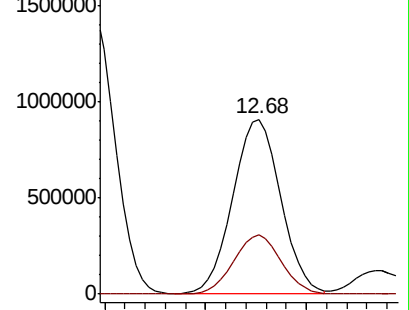
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Abundance Ion 91.00 (90.70 to 91.70): VN059322.D (-3297) (-)

Ion 125.90 (125.60 to 126.60): VN059322.D (-3297) (-)



#80

1,3,5-Trimethylbenzene

Concen: 106.017 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059322.D

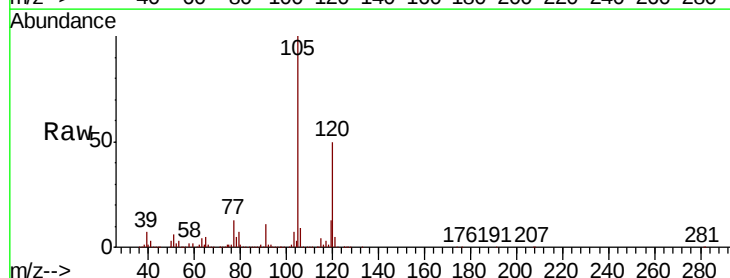
Acq: 20 Nov 2019 12:52

Tgt Ion: 105 Resp: 1855358

Ion Ratio Lower Upper

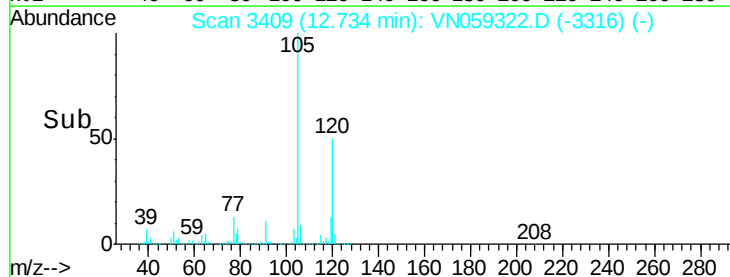
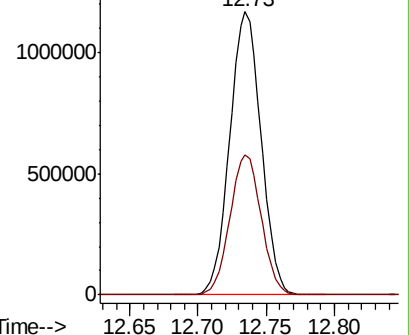
105 100

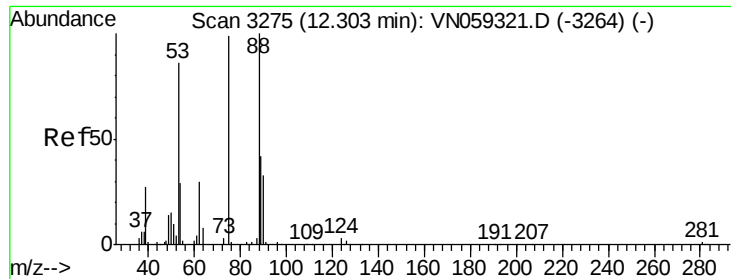
120 49.4 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059322.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN059322.D (-3316) (-)





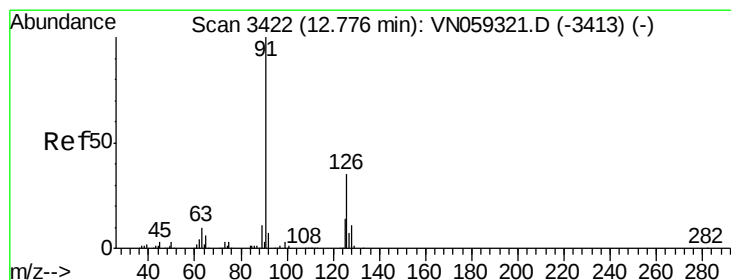
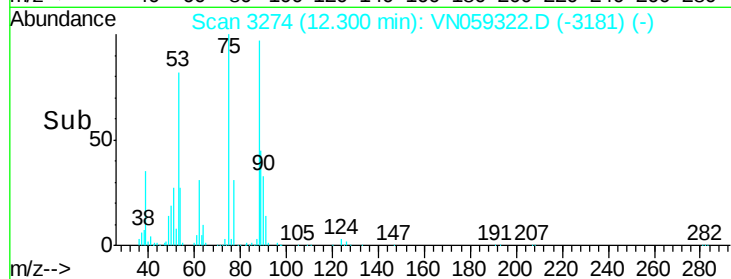
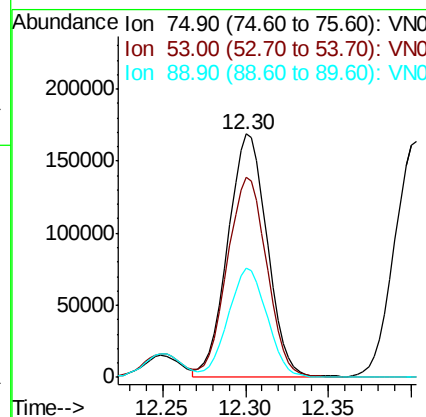
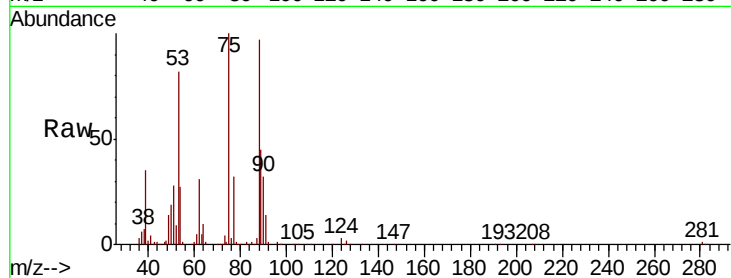
#81
trans-1,4-Dichloro-2-butene
Concen: 112.757 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.1	72.2	108.2
89	44.6	35.8	53.8

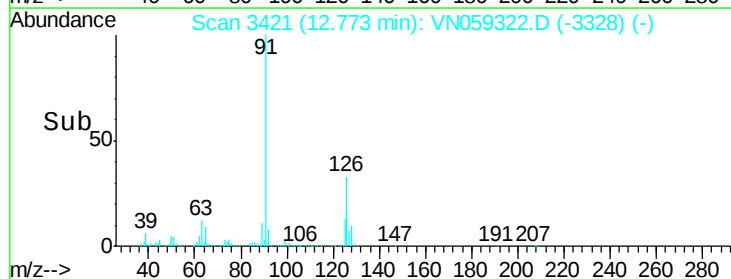
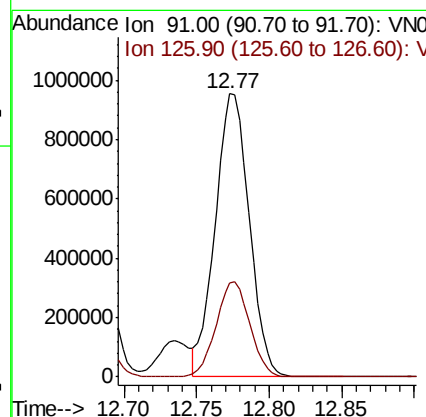
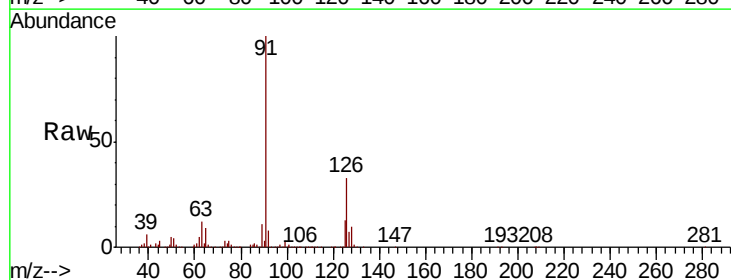
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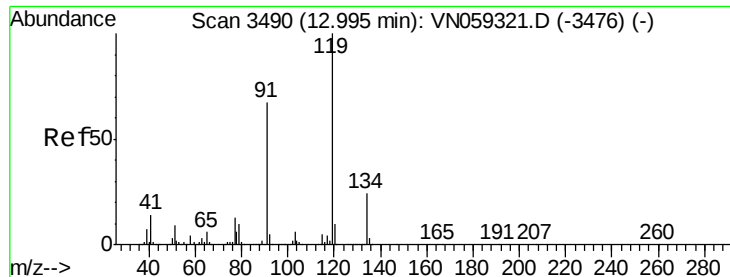
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#82
4-Chlorotoluene
Concen: 106.124 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	33.3	16.1	48.2





#83

tert-Butylbenzene

Concen: 104.827 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. -0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:119 Resp: 1584265

Ion Ratio Lower Upper

119 100

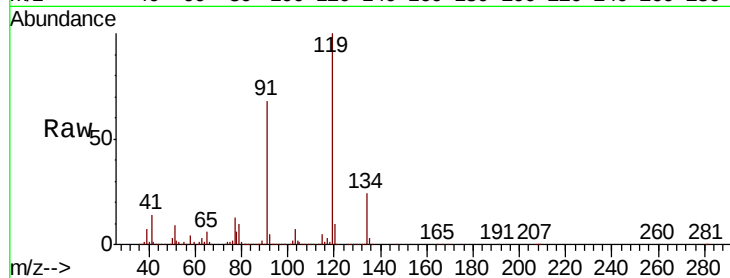
91 65.7 33.2 99.6

134 25.6 12.7 38.1

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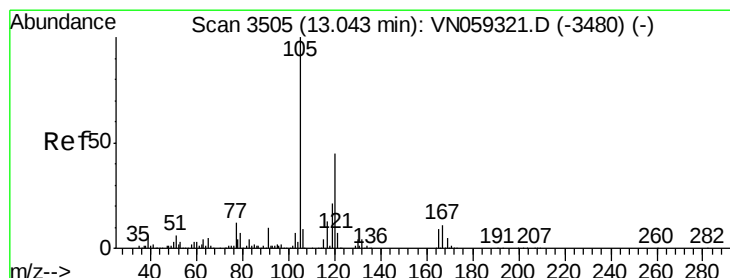
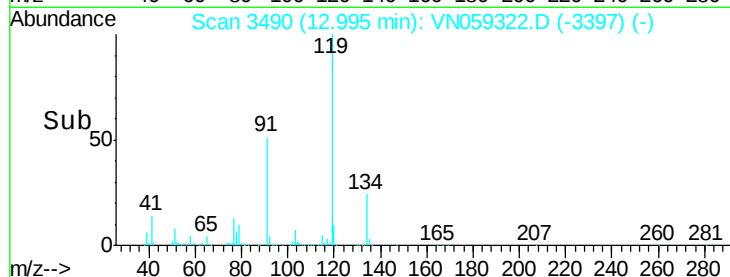
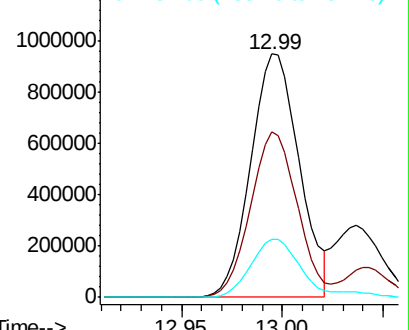
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Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 109.017 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059322.D

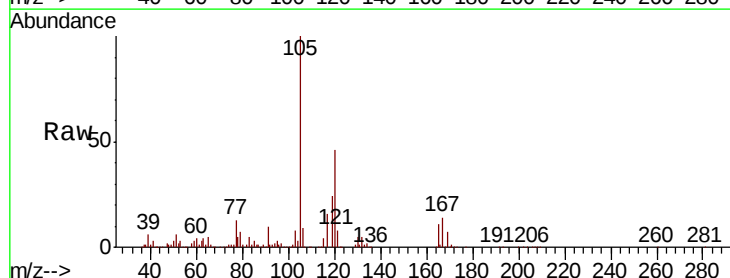
Acq: 20 Nov 2019 12:52

Tgt Ion:105 Resp: 1845838

Ion Ratio Lower Upper

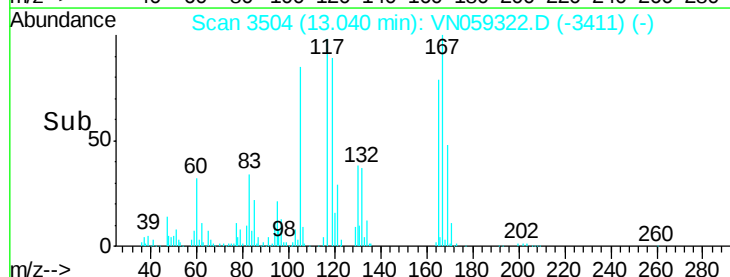
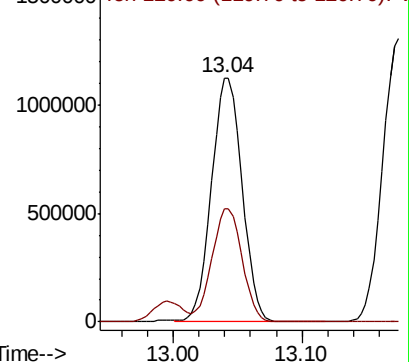
105 100

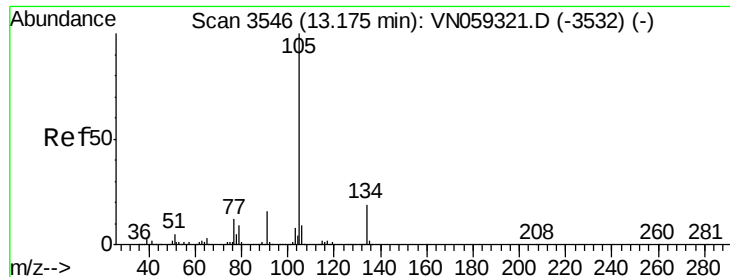
120 45.9 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 108.330 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 2129244

Ion Ratio Lower Upper

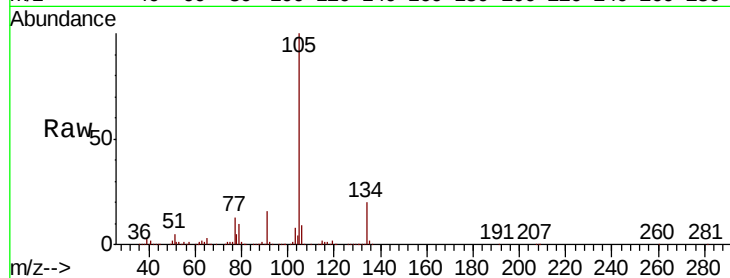
105 100

134 20.0 9.7 29.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

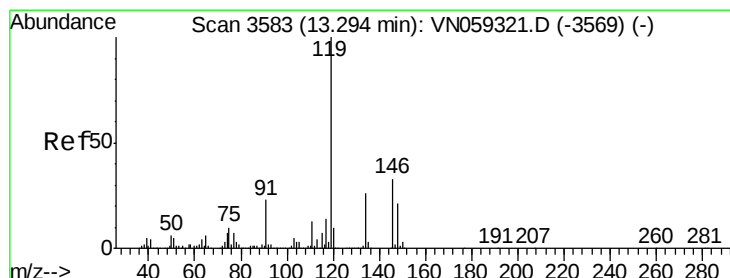
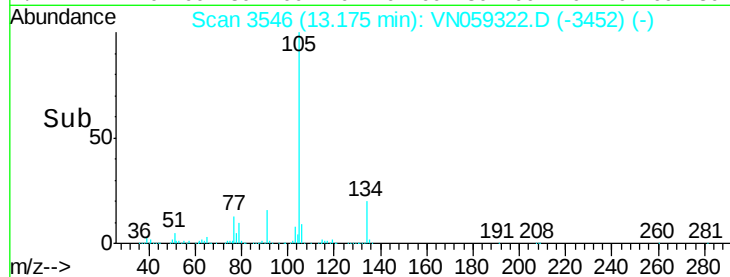
1500000

1000000

500000

0

Time-->



#86

p-Isopropyltoluene

Concen: 111.721 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

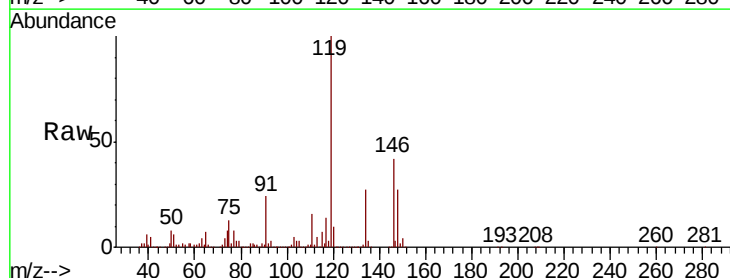
Tgt Ion:119 Resp: 1938908

Ion Ratio Lower Upper

119 100

134 26.5 13.0 38.9

91 23.6 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

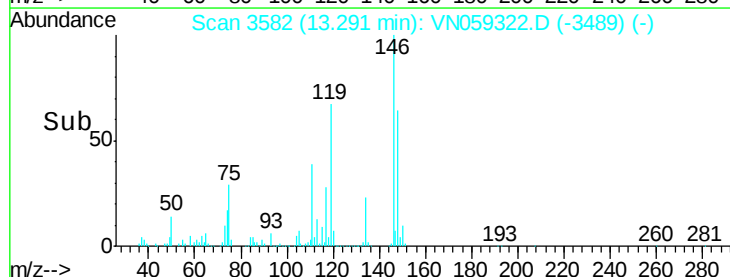
1500000

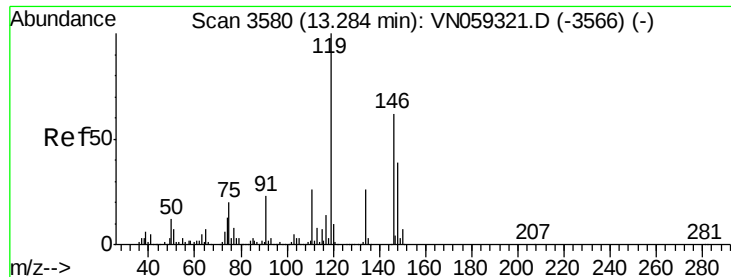
1000000

500000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 107.393 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Instrument :

MSVOA_N

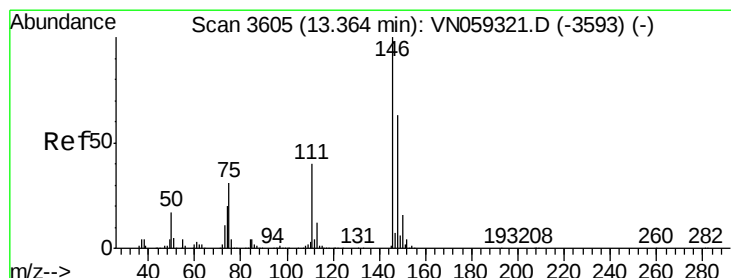
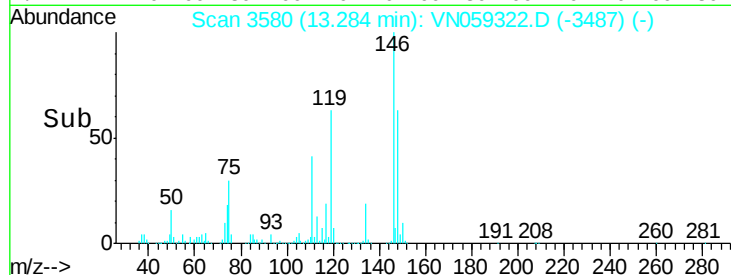
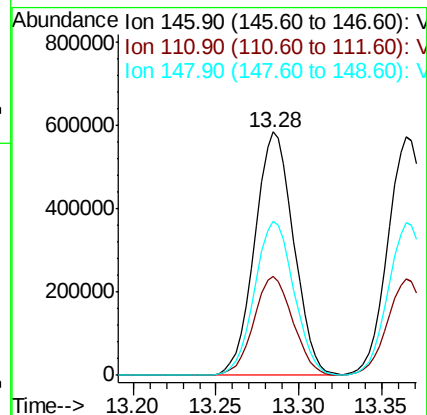
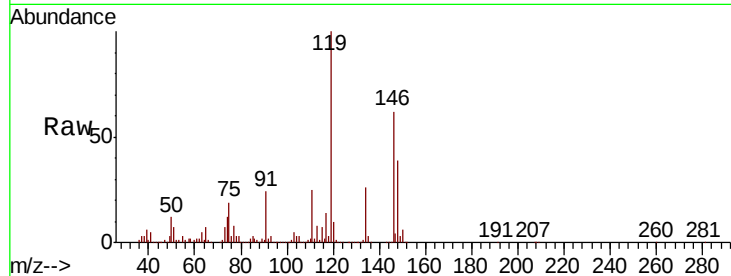
ClientSampleId :

VSTDIC100

Tot Ion:	146	Resp:	954248
Ion Ratio	Lower	Upper	
146	100		
111	40.5	20.4	61.3
148	63.7	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 106.675 ug/l

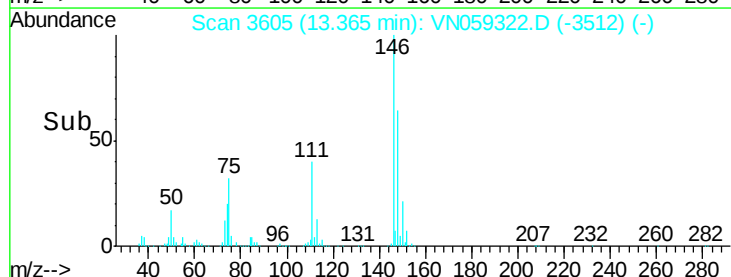
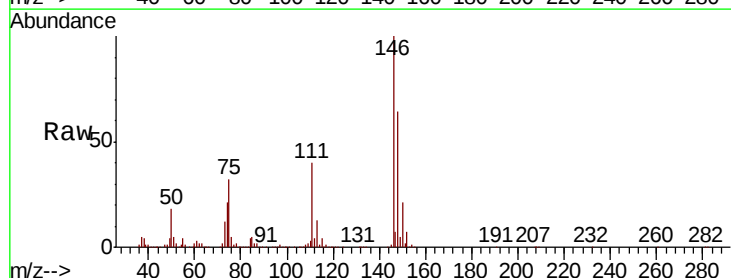
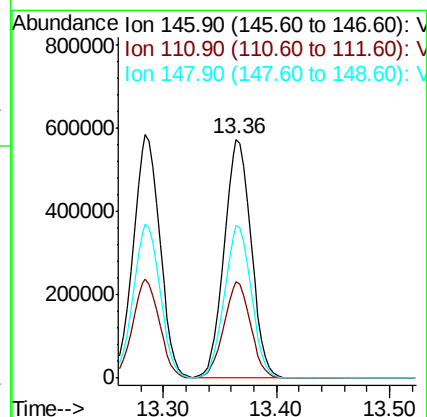
RT: 13.36 min Scan# 3605

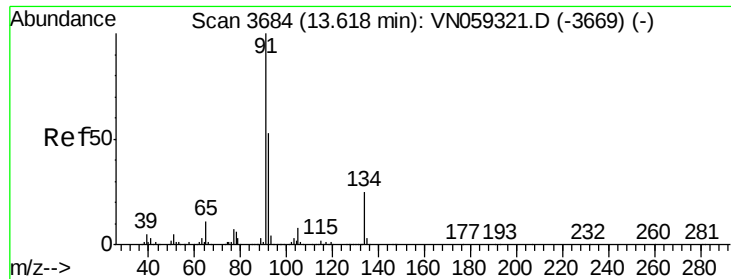
Delta R.T. -0.00 min

Lab File: VN059322.D

Acq: 20 Nov 2019 12:52

Tgt Ion:	146	Resp:	948373
Ion Ratio	Lower	Upper	
146	100		
111	39.6	20.3	60.9
148	63.6	31.9	95.7





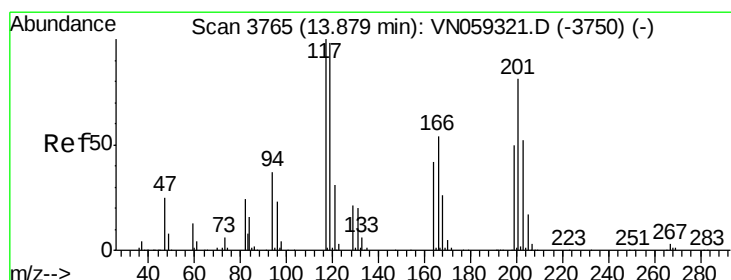
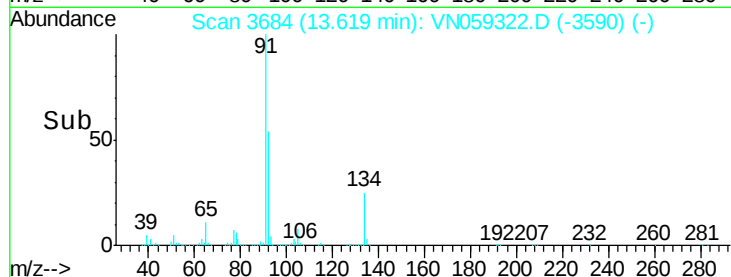
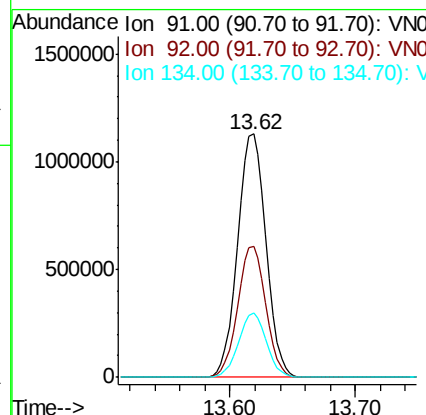
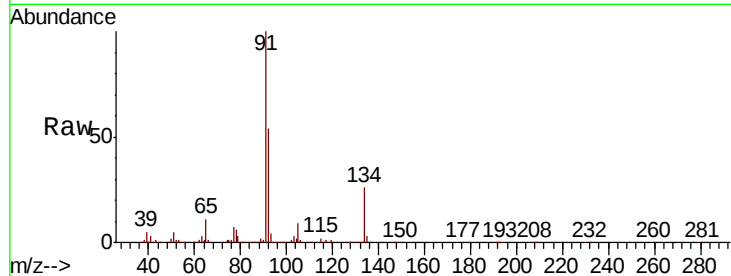
#89
n-Butylbenzene
Concen: 116.782 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.1	78.3
134	25.8	12.6	37.8

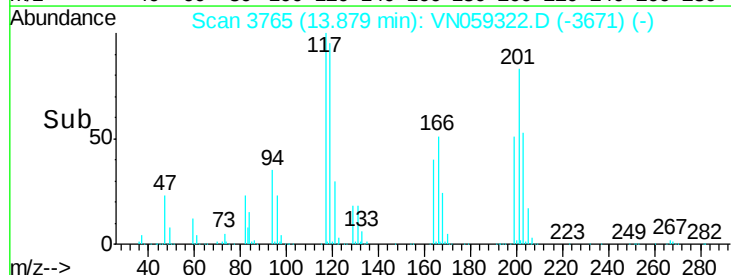
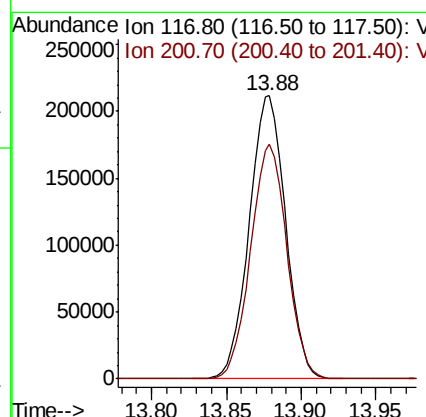
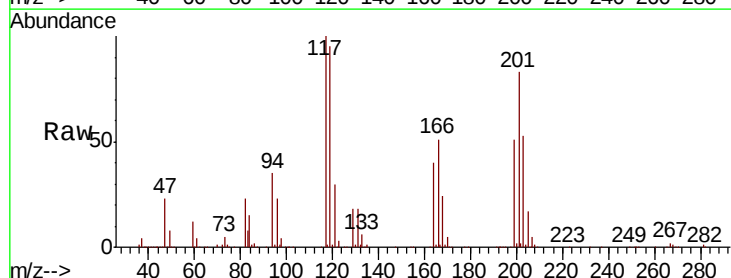
Manual Integrations
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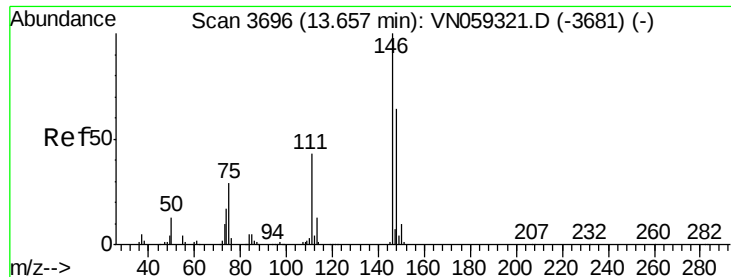
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#90
Hexachloroethane
Concen: 102.864 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.4	41.8	125.3





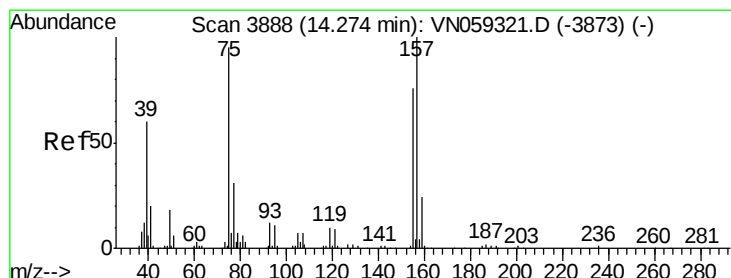
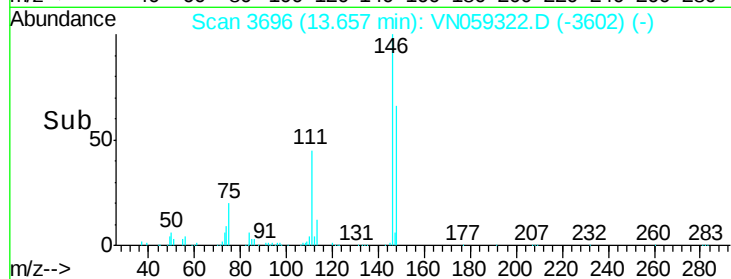
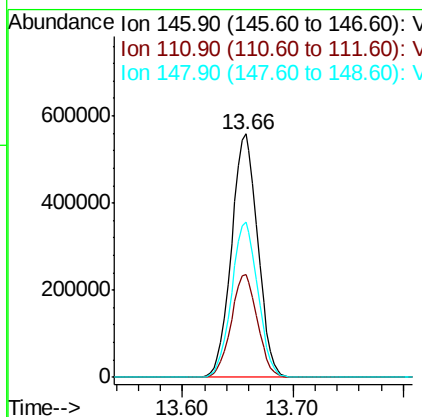
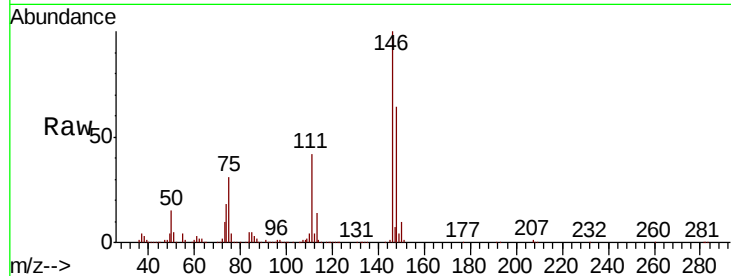
#91
 1,2-Dichlorobenzene
 Concen: 105.497 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059322.D
 Acq: 20 Nov 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.2	63.6
148	63.8	31.6	94.7

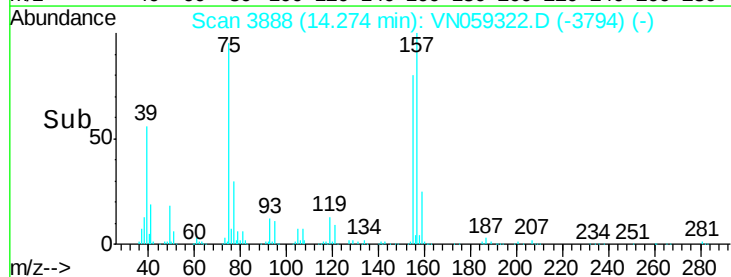
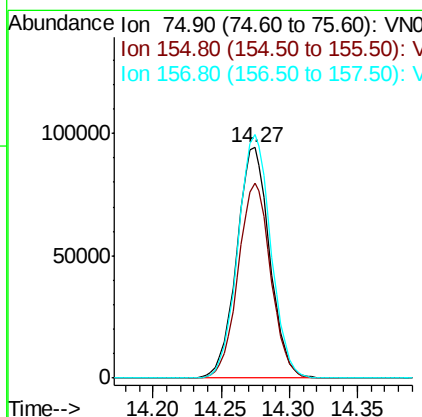
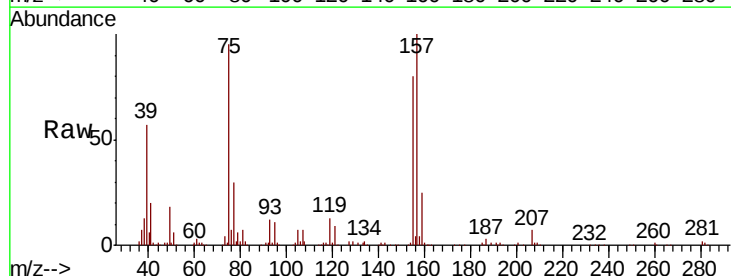
Manual Integrations
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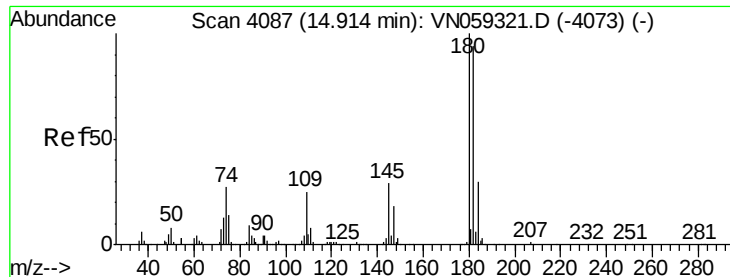
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 11/21/2019 11:07:58 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.971 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059322.D
 Acq: 20 Nov 2019 12:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.0	40.2	120.6
157	106.0	51.8	155.5





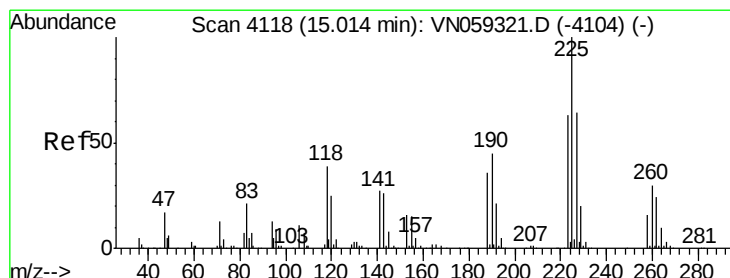
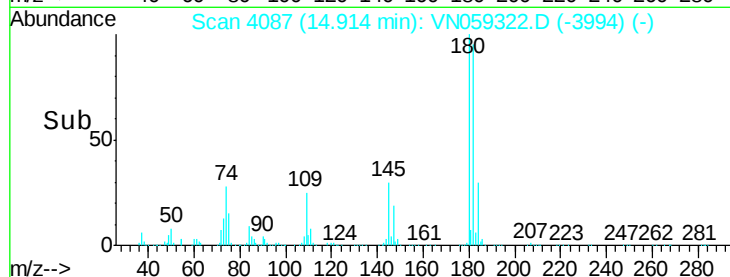
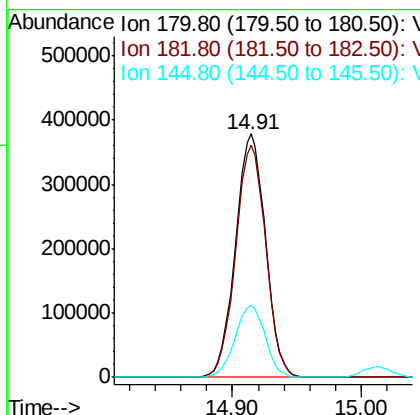
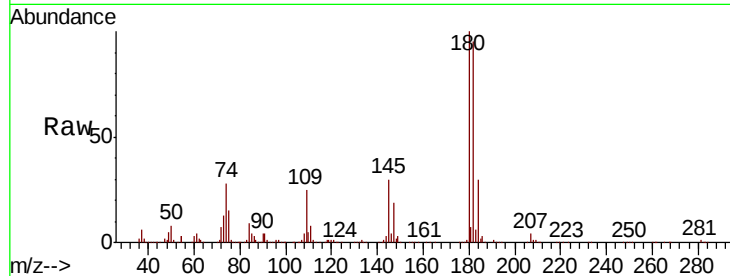
#93
 1,2,4-Trichlorobenzene
 Concen: 130.767 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059322.D
 Acq: 20 Nov 2019 12:52

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	612304		
182	95.4	48.1	144.3	
145	29.8	15.1	45.3	

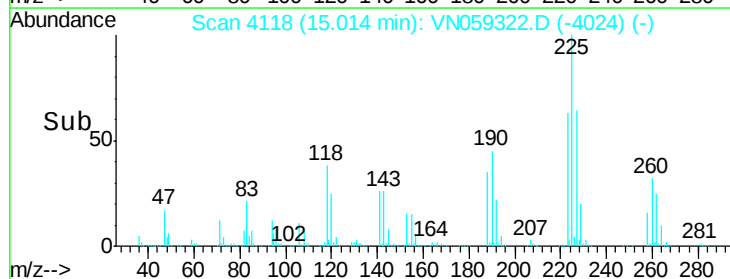
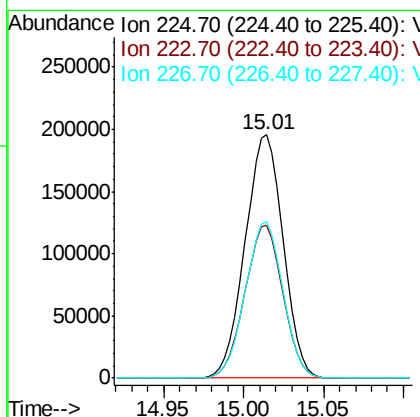
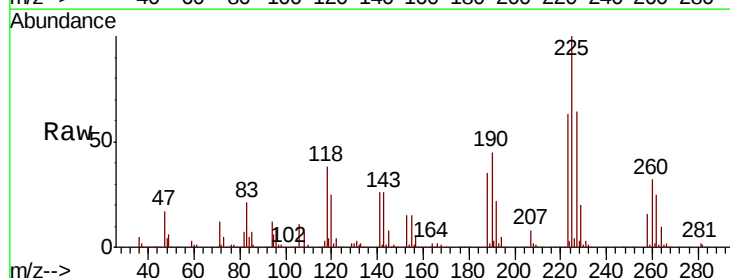
Manual Integrations
 APPROVED

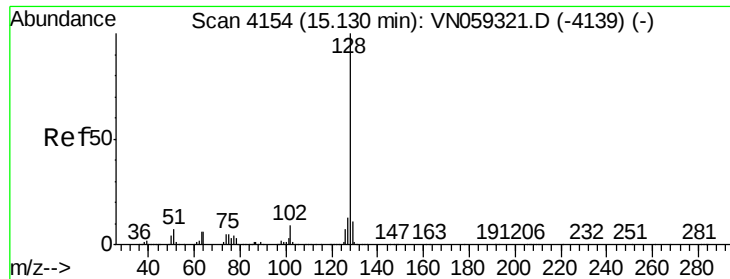
MMDadoda
 11/21/2019 11:07:58 AM



#94
 Hexachlorobutadiene
 Concen: 105.962 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN059322.D
 Acq: 20 Nov 2019 12:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	319355		
223	62.5	31.3	93.9	
227	63.3	31.5	94.5	





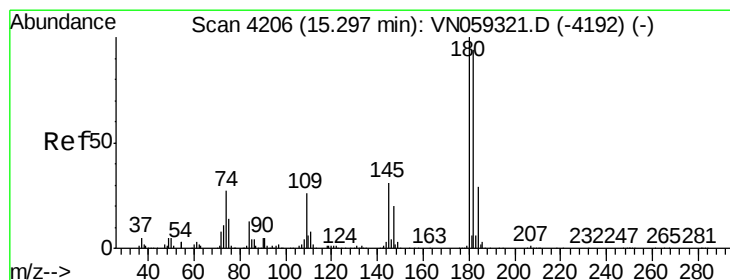
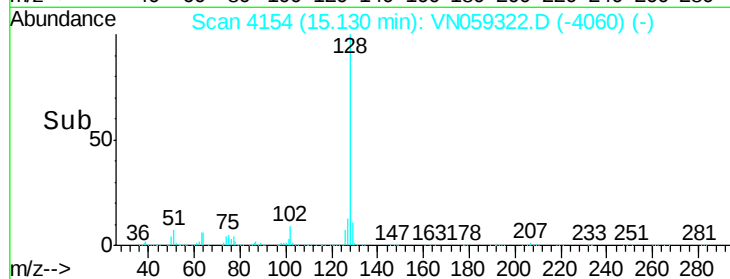
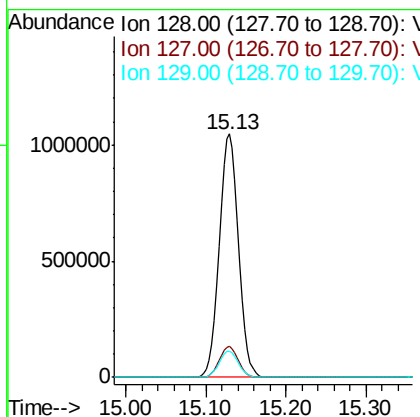
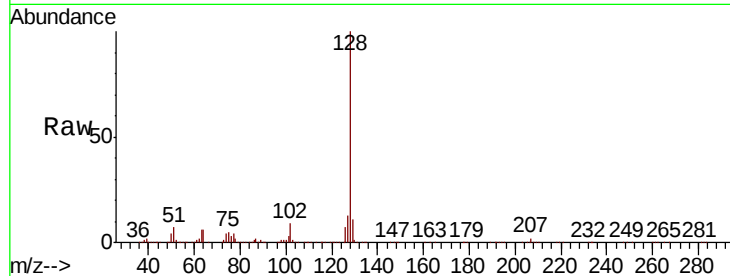
#95
Naphthalene
Concen: 135.271 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/21/2019 11:07:58 AM



#96
1,2,3-Trichlorobenzene
Concen: 122.856 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059322.D
Acq: 20 Nov 2019 12:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.3	141.8
145	31.6	15.8	47.3

