

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092319\
 Data File : VN058326.D
 Acq On : 24 Sep 2019 4:27
 Operator : JC/SP
 Sample : K5002-10MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MSD

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:49:52 AM

Quant Time: Sep 25 12:14:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	422920	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	753198	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	683356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324157	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	338492	57.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.92%	
35) Dibromofluoromethane	7.58	113	242274	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	
50) Toluene-d8	10.09	98	910995	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.41	95	334217	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	135862	39.106	ug/l	99
3) Chloromethane	2.04	50	138259	51.663	ug/l	99
4) Vinyl Chloride	2.17	62	150286	51.345	ug/l	98
5) Bromomethane	2.54	94	77424	49.946	ug/l	99
6) Chloroethane	2.68	64	102921	55.044	ug/l	97
7) Trichlorofluoromethane	3.00	101	216816	45.722	ug/l	99
8) Diethyl Ether	3.39	74	110165	50.701	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	136070	39.798	ug/l	98
10) Methyl Iodide	3.93	142	136832	47.761	ug/l	99
11) Tert butyl alcohol	4.76	59	193543	276.220	ug/l	100
12) 1,1-Dichloroethene	3.72	96	129679	49.979	ug/l	96
13) Acrolein	3.59	56	39392	379.358	ug/l	94
14) Allyl chloride	4.30	41	271802	48.583	ug/l	98
15) Acrylonitrile	4.96	53	568808	304.694	ug/l	99
16) Acetone	3.79	43	471283	235.706	ug/l	99
17) Carbon Disulfide	4.03	76	163880	44.899	ug/l	99
18) Methyl Acetate	4.30	43	293491	55.784	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	718525	55.719	ug/l	99
20) Methylene Chloride	4.53	84	190531	54.447	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	144902	51.261	ug/l	99
22) Diisopropyl ether	5.93	45	785221	55.253	ug/l	100
23) Vinyl Acetate	5.87	43	2790545	286.966	ug/l	100
24) 1,1-Dichloroethane	5.83	63	419822	55.349	ug/l	99
25) 2-Butanone	6.82	43	777747	285.515	ug/l	100
26) 2,2-Dichloropropane	6.80	77	195780	30.425	ug/l	95
27) cis-1,2-Dichloroethene	6.81	96	219157	51.100	ug/l	97
28) Bromochloromethane	7.18	49	209284	58.327	ug/l	97
29) Tetrahydrofuran	7.19	42	488257	290.989	ug/l	100
30) Chloroform	7.36	83	430602	52.741	ug/l	99
31) Cyclohexane	7.64	56	209197	42.296	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	328524	52.856	ug/l	100
36) 1,1-Dichloropropene	7.78	75	234182	43.114	ug/l	100
37) Ethyl Acetate	6.91	43	307411	54.536	ug/l	100
38) Carbon Tetrachloride	7.76	117	251602	46.080	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	180680	34.426	ug/l	98
40) Benzene	8.03	78	794043	47.862	ug/l	100
41) Methacrylonitrile	7.16	41	154773m	54.421	ug/l	
42) 1,2-Dichloroethane	8.11	62	350924	50.410	ug/l	100
43) Isopropyl Acetate	8.15	43	565306	53.698	ug/l	99
44) Trichloroethene	8.82	130	187735	46.242	ug/l	100
45) 1,2-Dichloropropane	9.11	63	259058	52.288	ug/l	99
46) Dibromomethane	9.20	93	153979	51.118	ug/l	97
47) Bromodichloromethane	9.39	83	336637	53.345	ug/l	99
48) Methyl methacrylate	9.19	41	268341	56.139	ug/l	99
49) 1,4-Dioxane	9.19	88	79596	1014.254	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	1769606	316.468	ug/l	99
52) Toluene	10.15	92	497755	47.874	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	324990	50.275	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	345310	48.384	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	246532	53.431	ug/l	99
56) Ethyl methacrylate	10.43	69	375435	56.395	ug/l	99
57) 1,3-Dichloropropane	10.71	76	412014	51.943	ug/l	99
59) 2-Hexanone	10.75	43	1267173	305.128	ug/l	99
60) Dibromochloromethane	10.90	129	252887	56.970	ug/l	98
61) 1,2-Dibromoethane	11.00	107	226713	53.020	ug/l	99
64) Tetrachloroethene	10.63	164	135997	40.825	ug/l	97
65) Chlorobenzene	11.44	112	586426	48.789	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	234221	53.740	ug/l	99
67) Ethyl Benzene	11.51	91	1022104	49.627	ug/l	100
68) m/p-Xylenes	11.62	106	737118	95.026	ug/l	97
69) o-Xylene	11.95	106	379371	49.738	ug/l	97
70) Stvrene	11.97	104	677574	51.559	ug/l	99
71) Bromoform	12.13	173	161524	49.988	ug/l #	99
73) Isopropylbenzene	12.26	105	1026068	50.570	ug/l	99
74) N-amyl acetate	12.08	43	508015	59.849	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	395334	58.183	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	341453m	58.857	ug/l	
77) Bromobenzene	12.53	156	254709	49.905	ug/l	95
78) n-propylbenzene	12.60	91	1195118	51.834	ug/l	99
79) 2-Chlorotoluene	12.68	91	744965	51.699	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	889941	51.868	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	90306	46.753	ug/l	97
82) 4-Chlorotoluene	12.78	91	777657	51.340	ug/l	100
83) tert-Butylbenzene	13.00	119	769912	50.318	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	910014	53.296	ug/l	100
85) sec-Butylbenzene	13.18	105	1004946	50.226	ug/l	100
86) p-Isopropyltoluene	13.30	119	910911	51.210	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	474081	50.856	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	482641	50.713	ug/l	99
89) n-Butylbenzene	13.62	91	792866	47.014	ug/l	100
90) Hexachloroethane	13.88	117	149557	48.063	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	491114	52.519	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	75779	61.949	ug/l	99
93) 1,2,4-Trichlorobenzene	14.92	180	300493	50.295	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.02	225	117124	40.559	ug/l	96
95) Naphthalene	15.14	128	938093	60.586	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	299706	53.073	ug/l	99

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

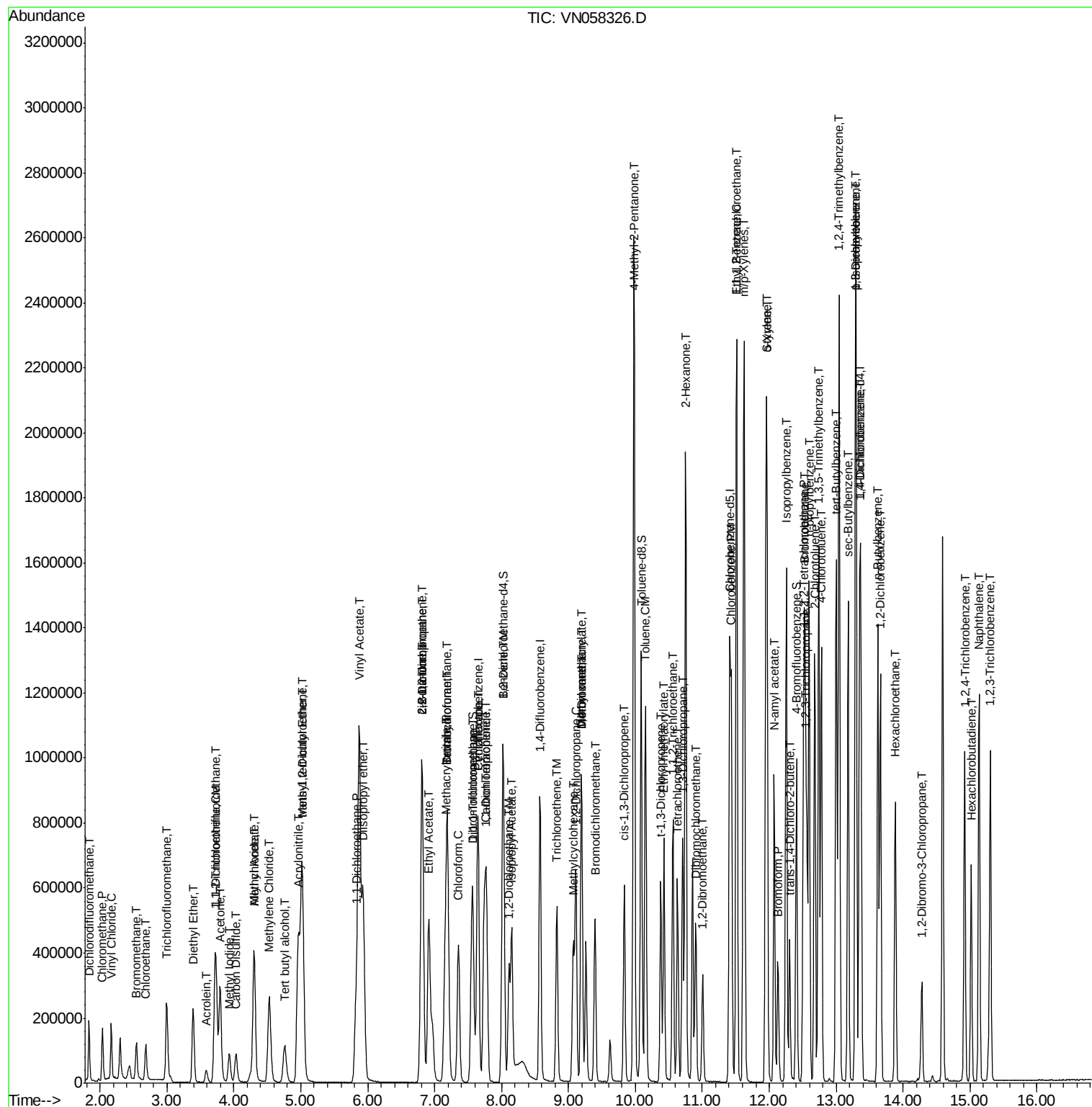
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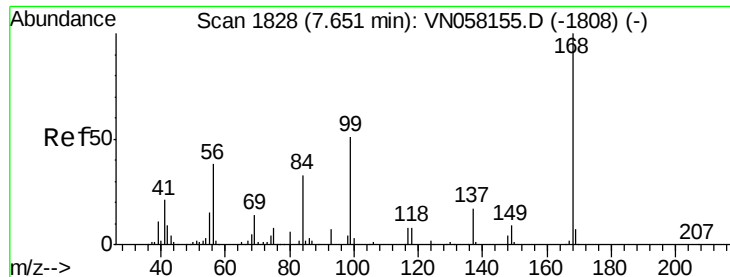
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MSD

Tot Ion:168 Resp: 422920

Ion Ratio Lower Upper

168 100

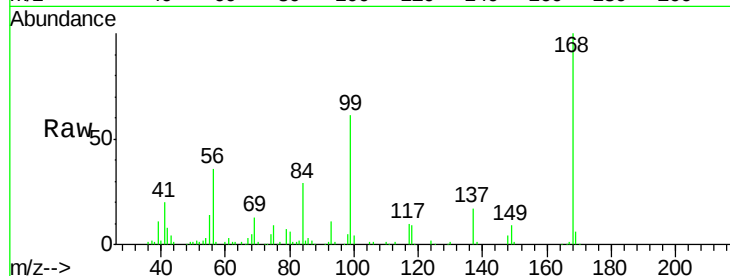
99 61.0 47.4 71.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

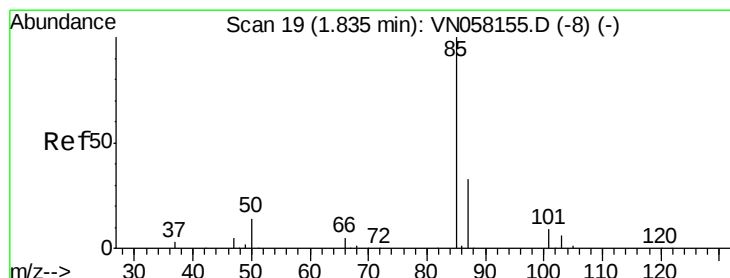
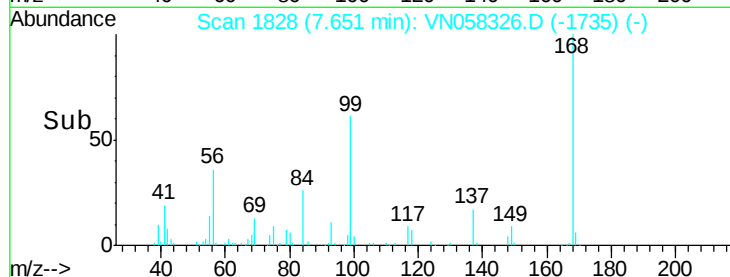
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50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 39.106 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058326.D

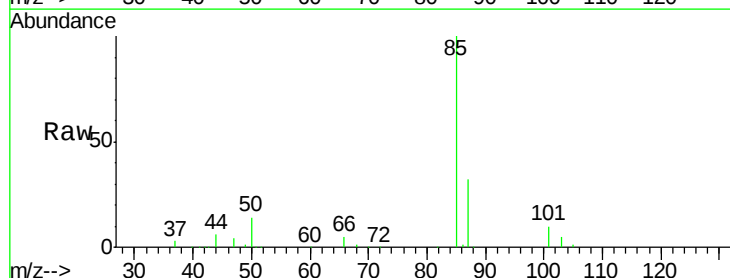
Acq: 24 Sep 2019 4:27

Tgt Ion: 85 Resp: 135862

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

120000

100000

80000

60000

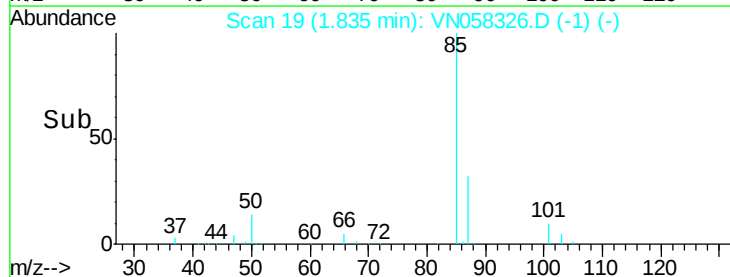
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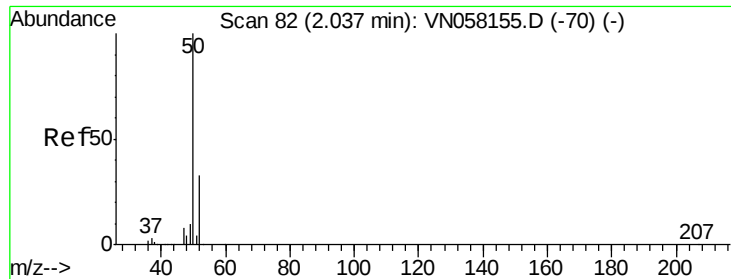
20000

0

1.75 1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 51.663 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MSD

Tot Ion: 50 Resp: 138259

Ion Ratio Lower Upper

50 100

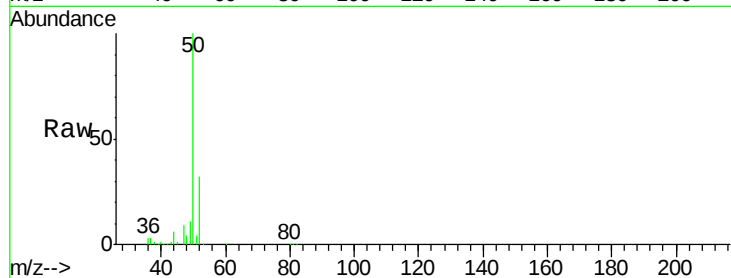
52 32.4 26.3 39.5

Manual Integrations

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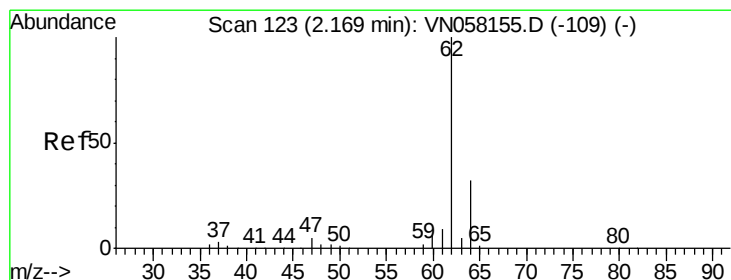
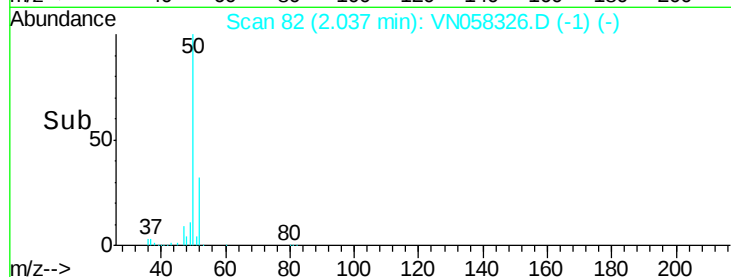
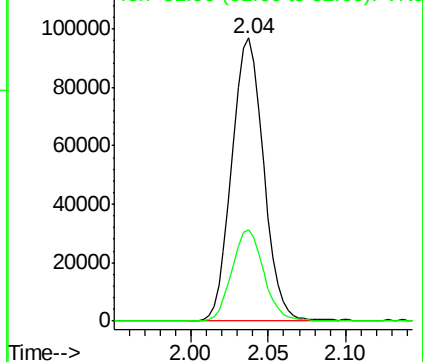
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 51.345 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058326.D

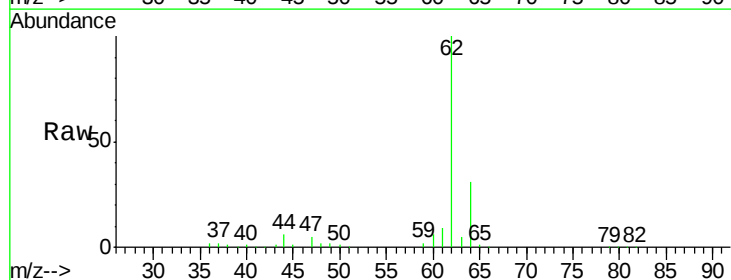
Acq: 24 Sep 2019 4:27

Tgt Ion: 62 Resp: 150286

Ion Ratio Lower Upper

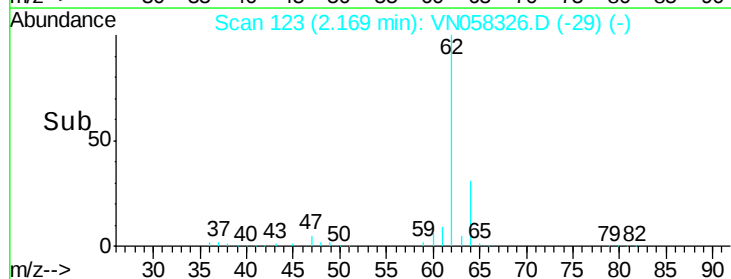
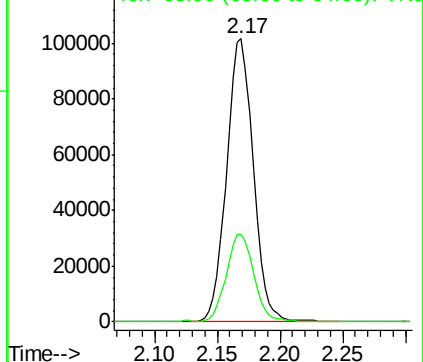
62 100

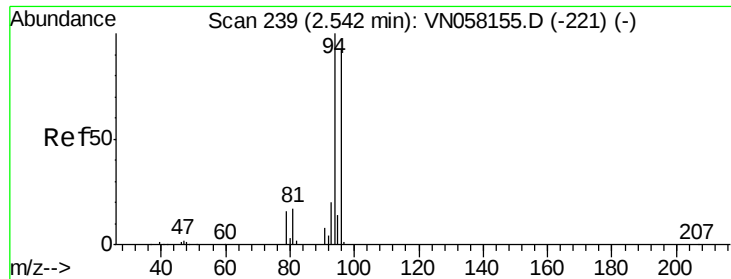
64 30.9 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 49.946 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

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Tot Ion: 94 Resp: 77424

Ion Ratio Lower Upper

94 100

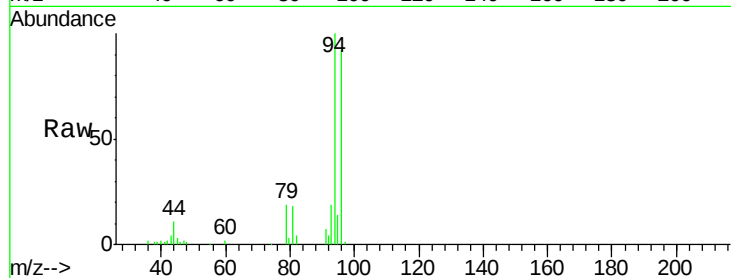
96 92.3 73.3 109.9

Manual Integrations

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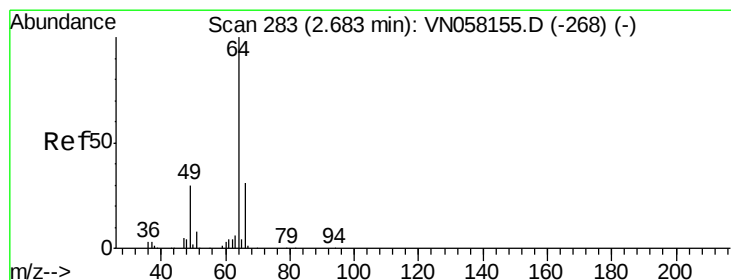
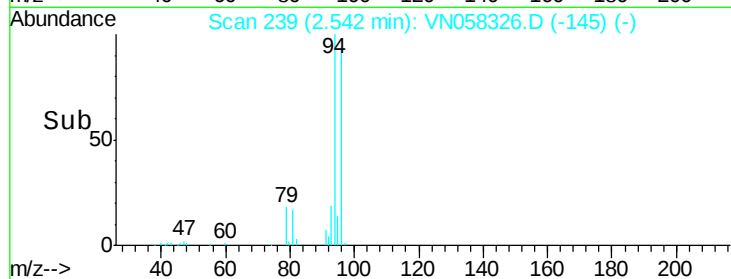
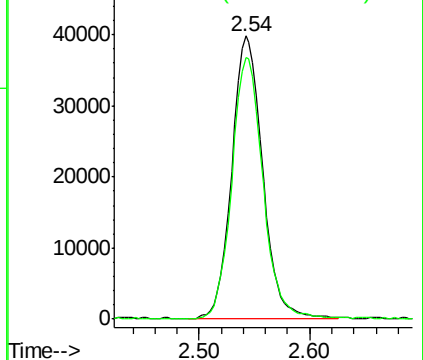
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 55.044 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058326.D

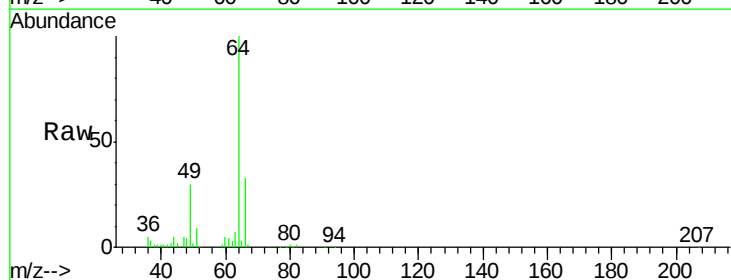
Acq: 24 Sep 2019 4:27

Tgt Ion: 64 Resp: 102921

Ion Ratio Lower Upper

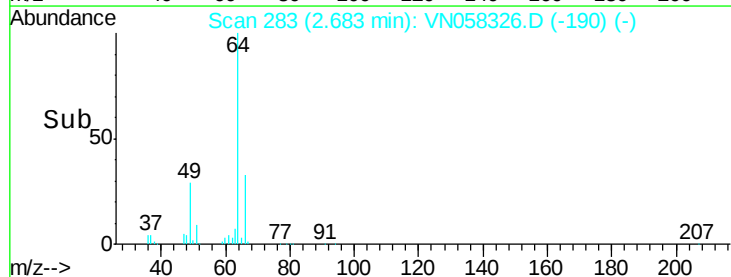
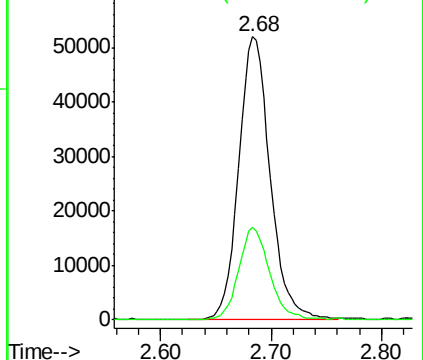
64 100

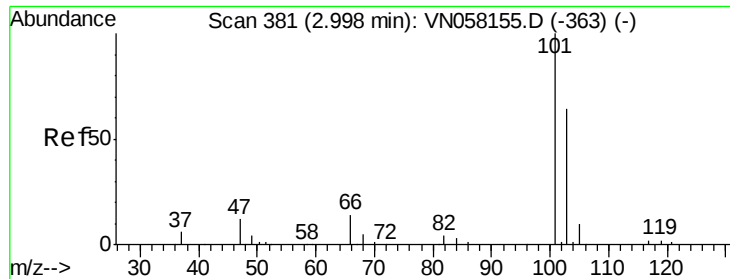
66 32.6 24.6 37.0



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

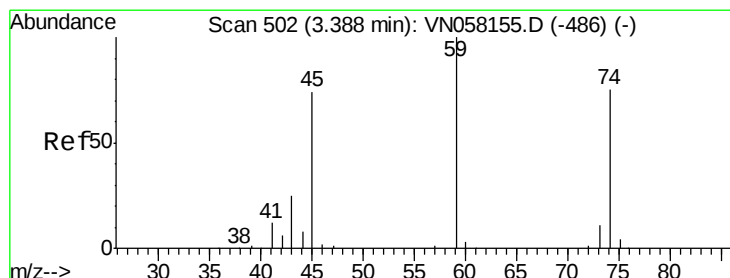
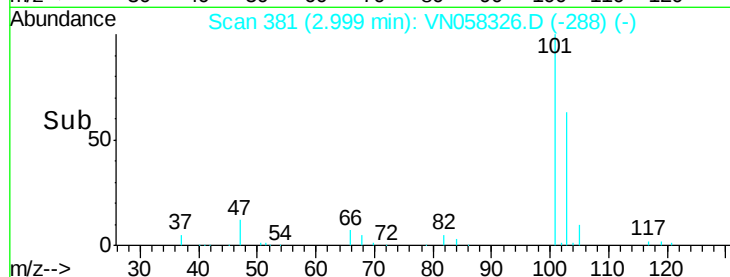
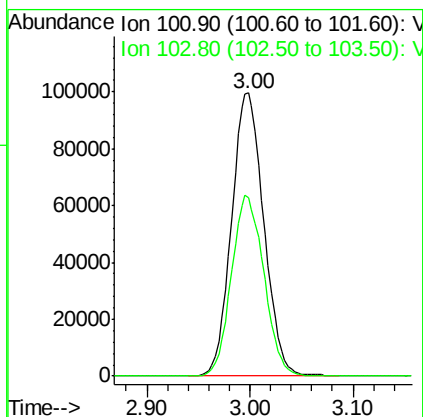
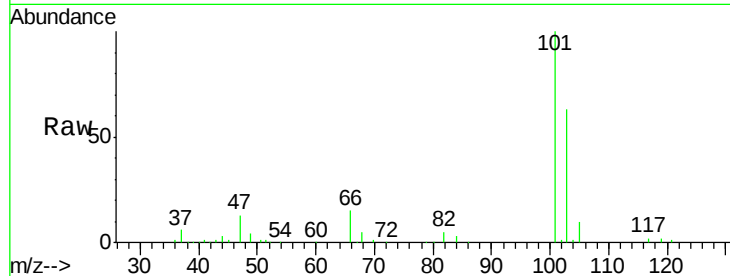
Trichlorofluoromethane
Concen: 45.722 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Instrument :
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ClientSampled :
S49-0520MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		216816		
103	63.2	51.0	76.6		

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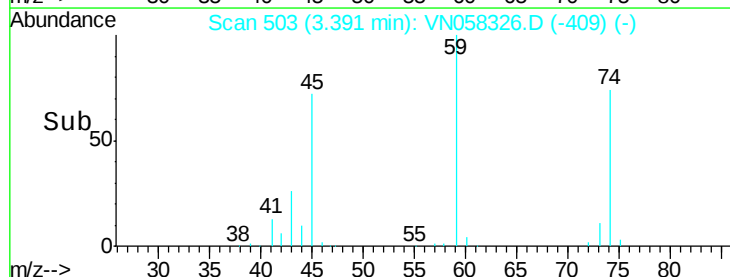
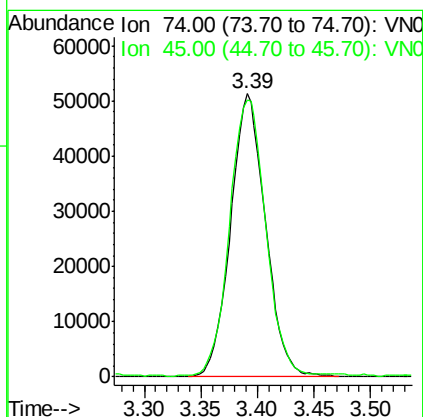
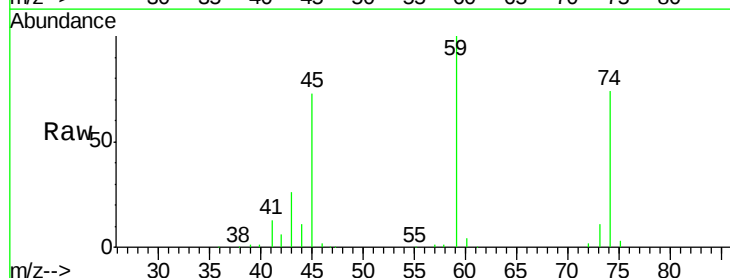
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#8

Diethyl Ether
Concen: 50.701 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
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Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		110165		
45	103.2	48.5	145.5		





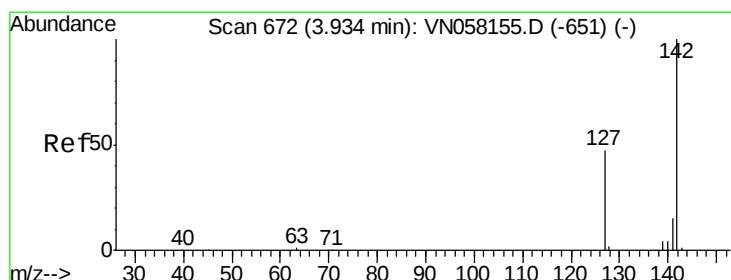
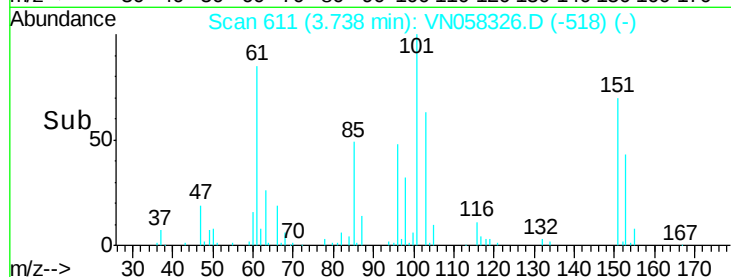
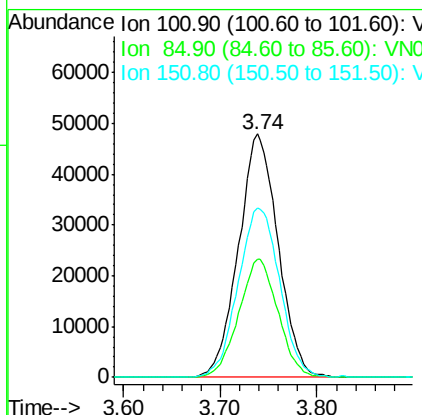
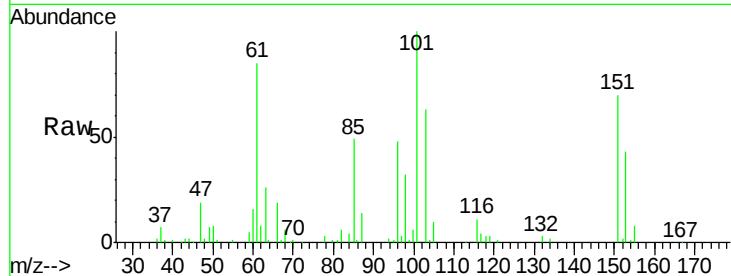
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 39.798 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	136070		
85	48.1	37.3	55.9	
151	73.2	59.6	89.4	

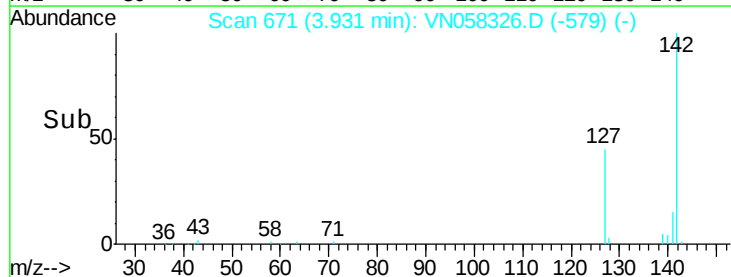
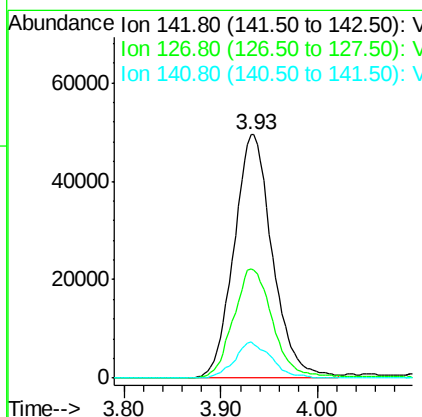
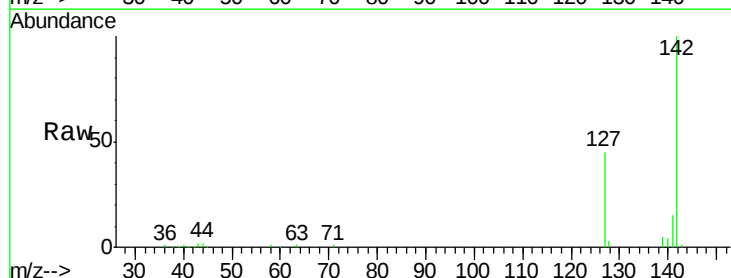
Manual Integrations
 APPROVED

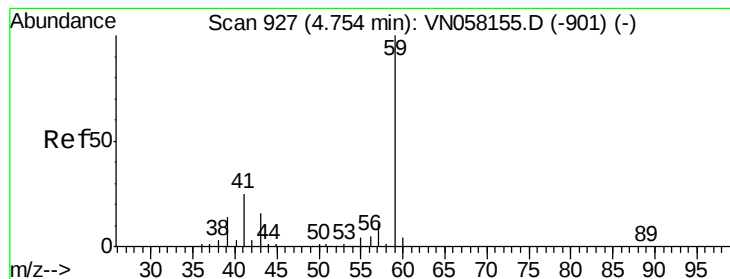
MMDadoda
 9/25/2019 12:49:52 AM



#10
 Methyl Iodide
 Concen: 47.761 ug/l
 RT: 3.93 min Scan# 671
 Delta R.T. -0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	136832		
127	46.2	37.5	56.3	
141	14.2	11.4	17.2	





#11

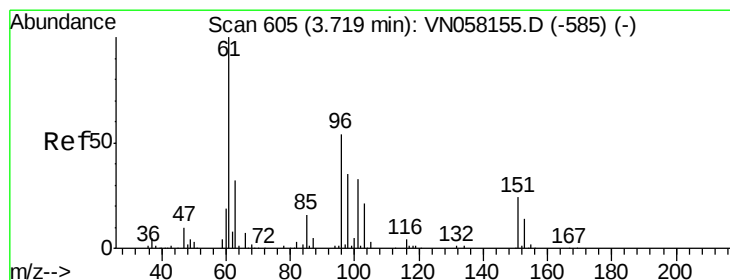
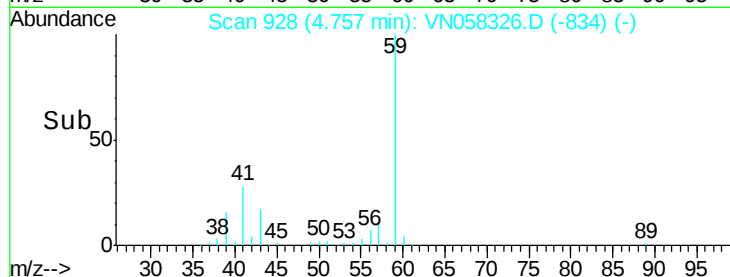
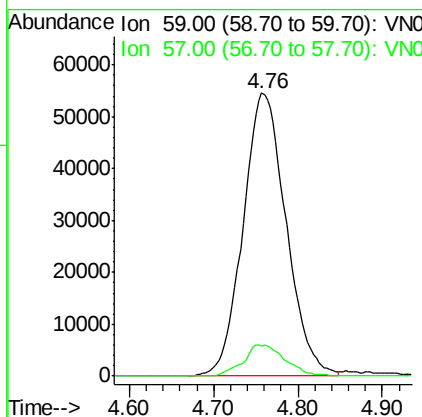
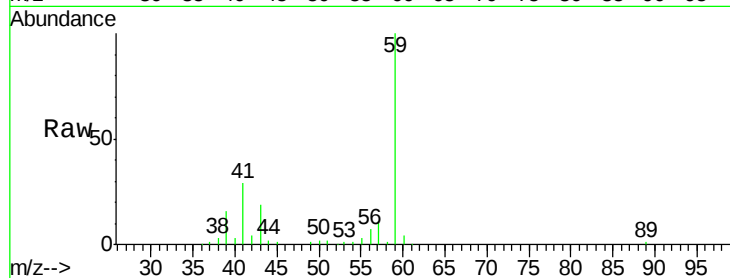
Tert butyl alcohol
Concen: 276.220 ug/l
RT: 4.76 min Scan# 928
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	193543		
57	57	10.7		8.6	13.0

Manual Integrations
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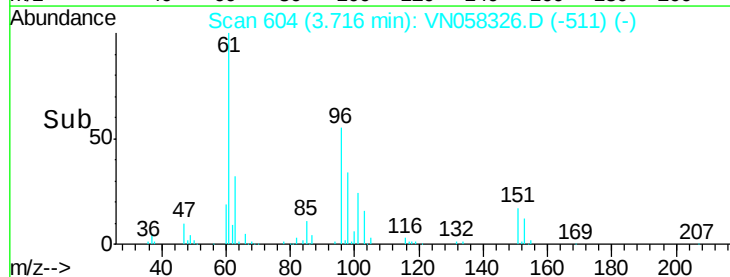
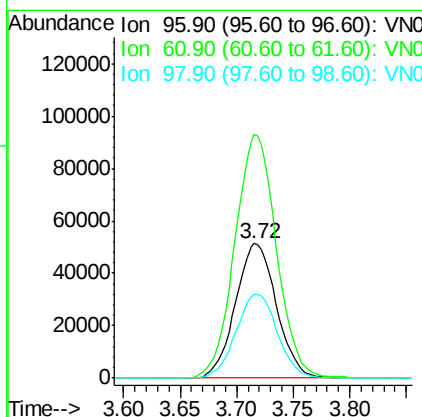
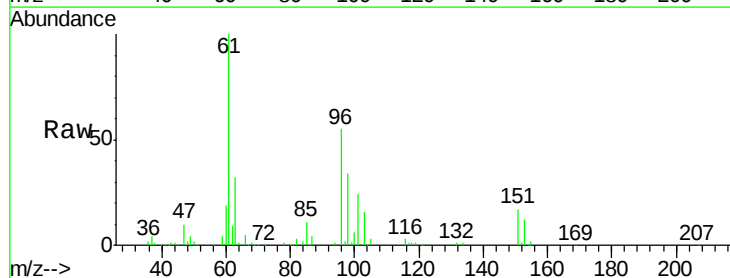
MMDadoda
9/25/2019 12:49:52 AM



#12

1,1-Dichloroethene
Concen: 49.979 ug/l
RT: 3.72 min Scan# 604
Delta R.T. -0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	129679		
61	61	181.2		149.5	224.3
98	98	61.8		52.4	78.6





#13

Acrolein

Concen: 379.358 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MSD

Tot Ion: 56 Resp: 39392

Ion Ratio Lower Upper

56 100

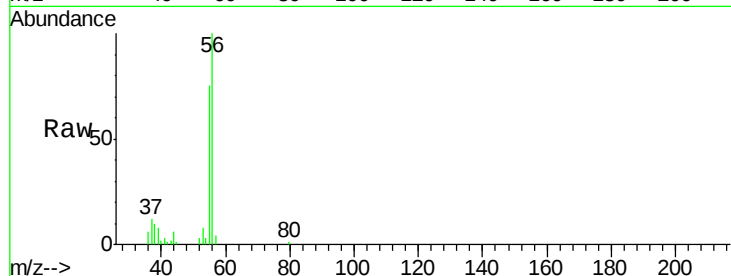
55 75.0 56.1 84.1

Manual Integrations

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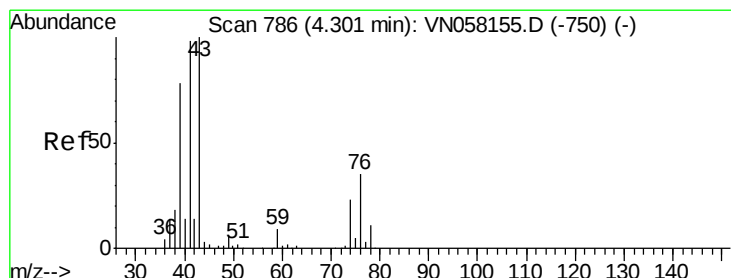
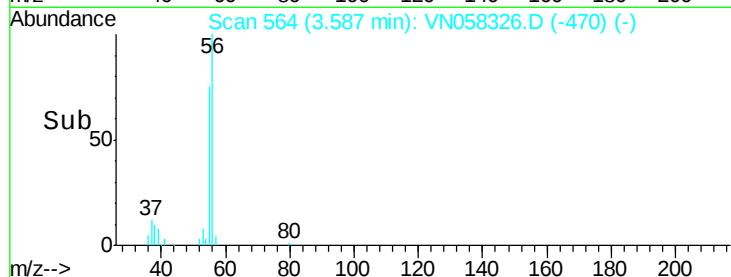
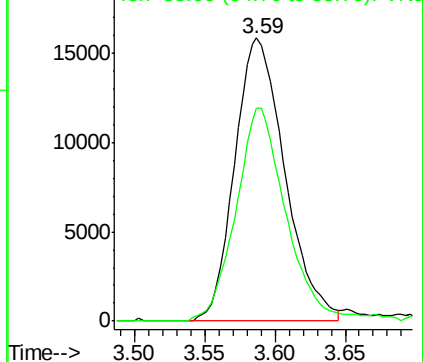
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 48.583 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

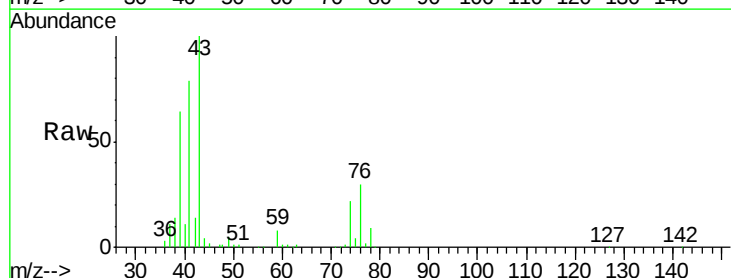
Tgt Ion: 41 Resp: 271802

Ion Ratio Lower Upper

41 100

39 71.5 59.1 88.7

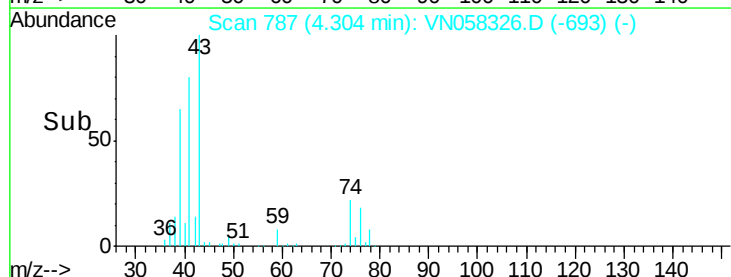
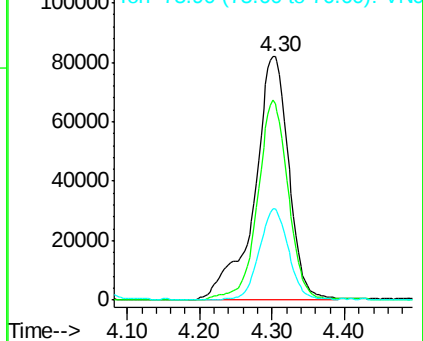
76 30.9 25.1 37.7

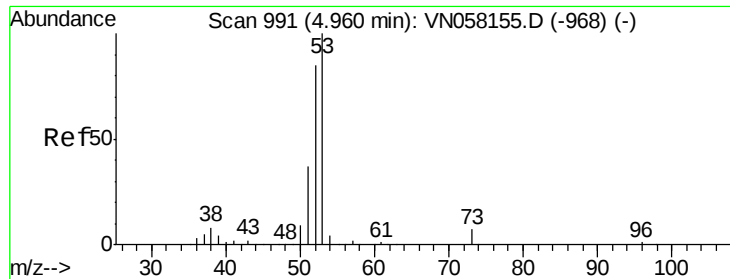


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 304.694 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

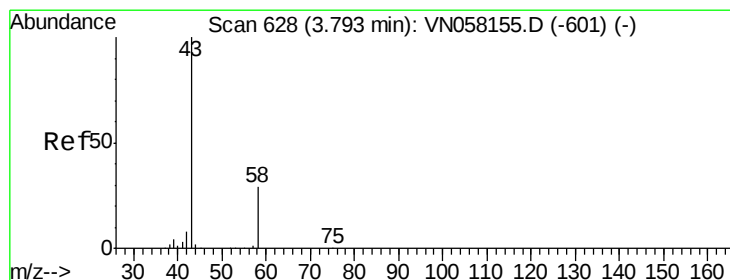
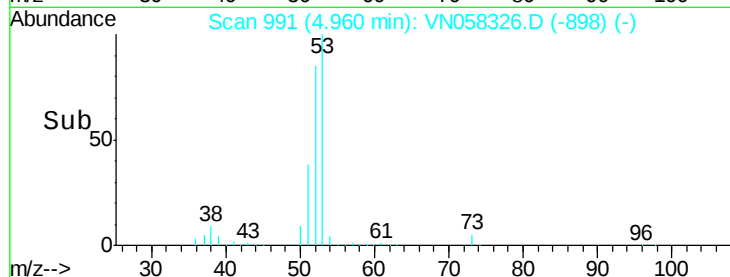
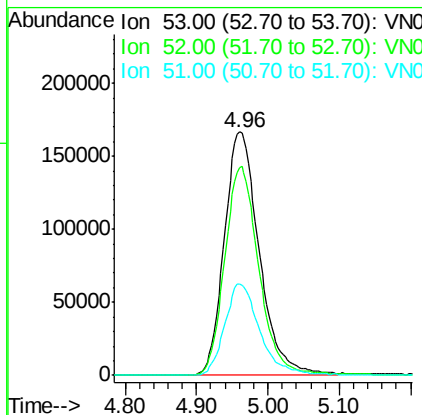
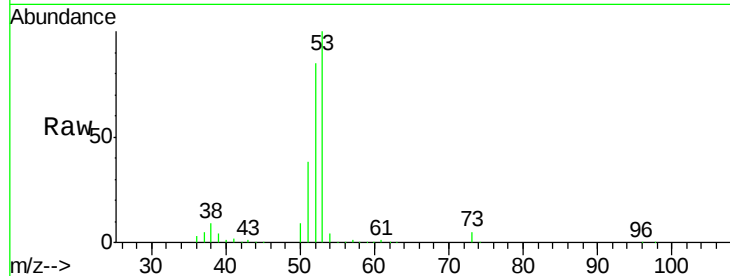
ClientSampleId :

S49-0520MSD

Tot Ion:	53	Resp:	568808
Ion Ratio	Lower	Upper	
53	100		
52	83.9	66.6	100.0
51	37.6	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 235.706 ug/l

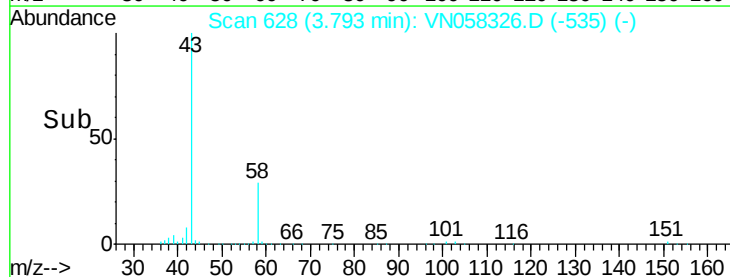
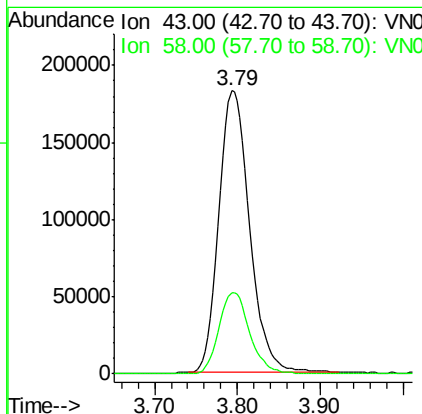
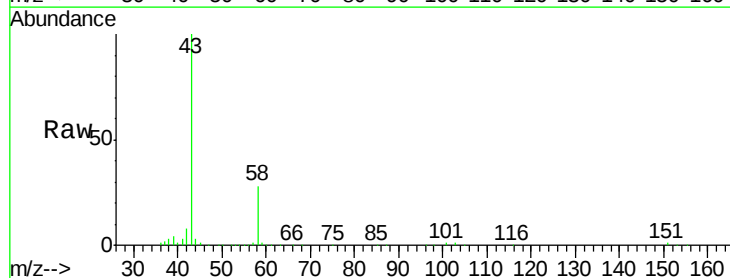
RT: 3.79 min Scan# 628

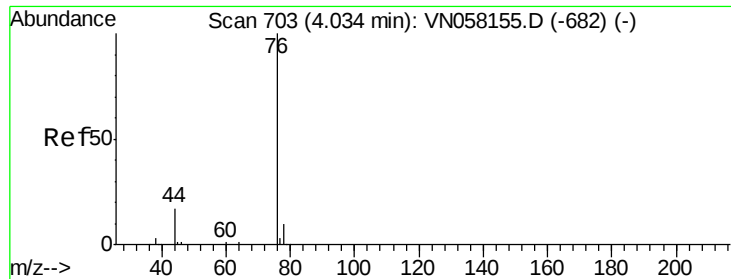
Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Tgt Ion:	43	Resp:	471283
Ion Ratio	Lower	Upper	
43	100		
58	28.6	23.4	35.2





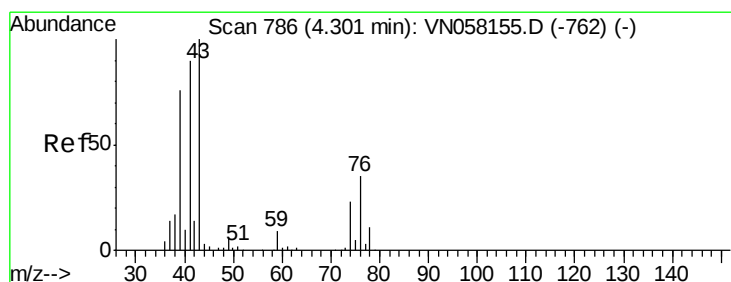
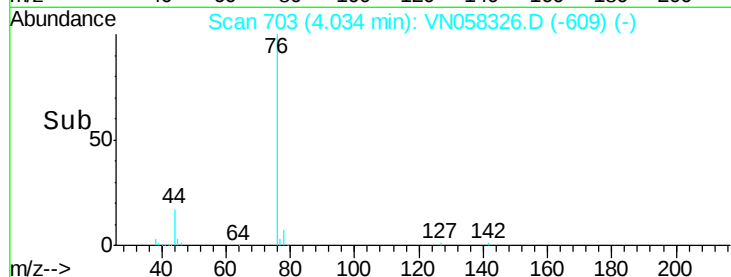
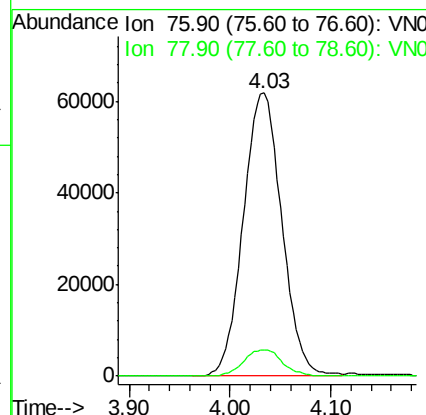
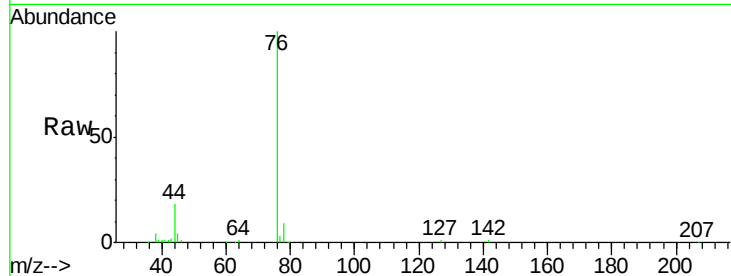
#17
Carbon Disulfide
Concen: 44.899 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.7	11.5

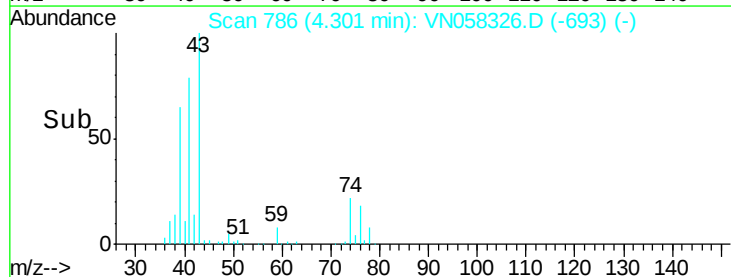
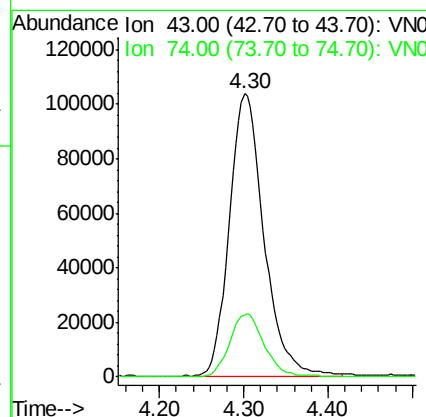
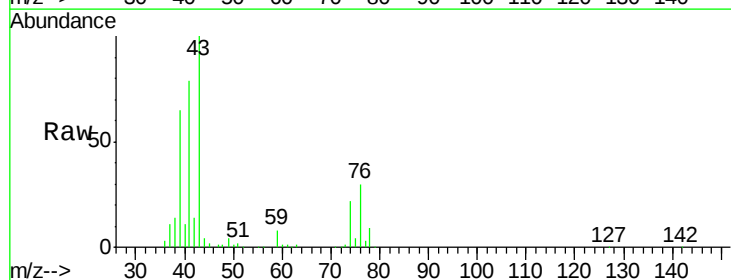
Manual Integrations
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#18
Methyl Acetate
Concen: 55.784 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.3	18.0	27.0





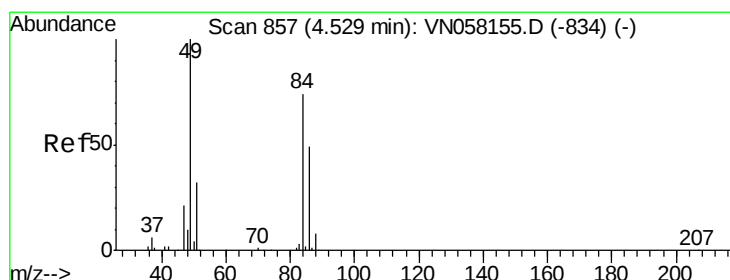
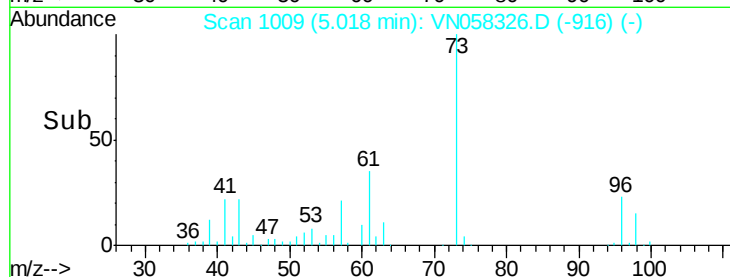
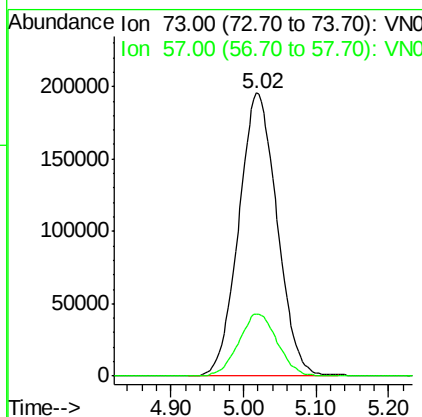
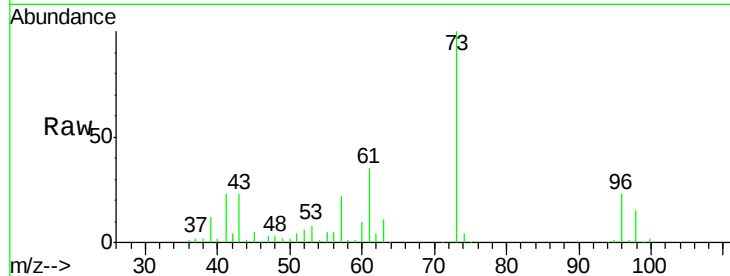
#19
Methvl tert-butvl Ether
Concen: 55.719 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MSD

Tot Ion: 73 Resp: 718525
Ion Ratio Lower Upper
73 100
57 21.9 18.1 27.1

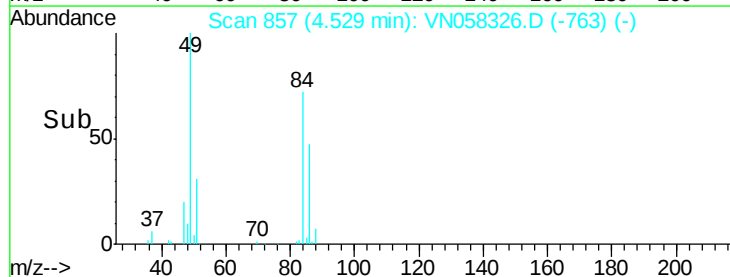
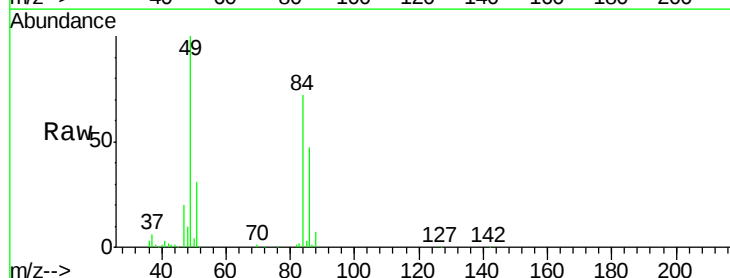
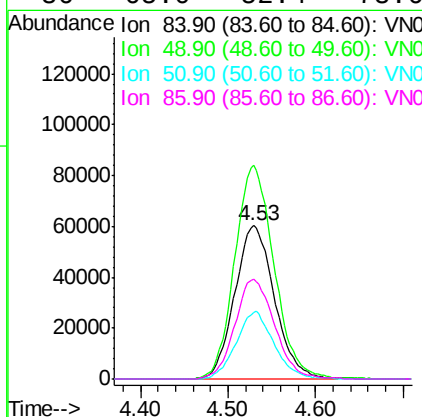
Manual Integrations
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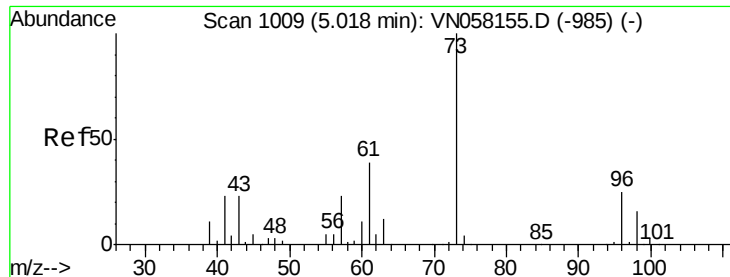
MMDadoda
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#20
Methylene Chloride
Concen: 54.447 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Tgt Ion: 84 Resp: 190531
Ion Ratio Lower Upper
84 100
49 139.5 107.5 161.3
51 43.3 33.9 50.9
86 65.0 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 51.261 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MSD

Tot Ion: 96 Resp: 144902

Ion Ratio Lower Upper

96 100

61 152.9 122.2 183.4

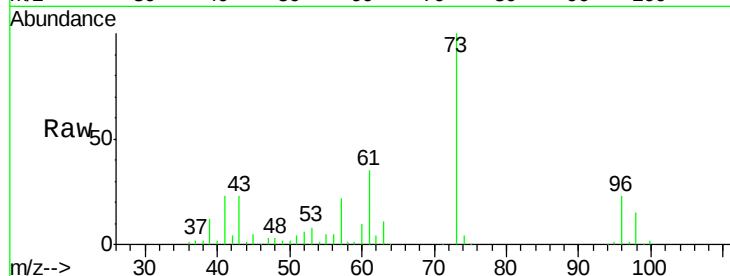
98 65.4 49.9 74.9

Manual Integrations

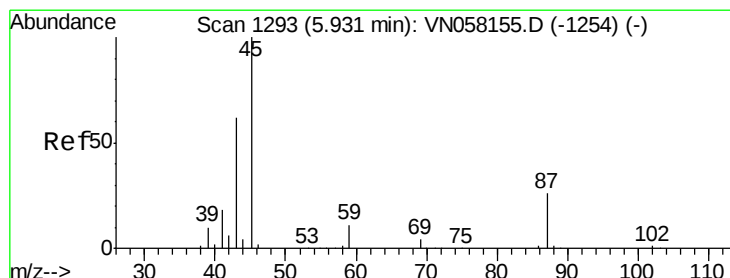
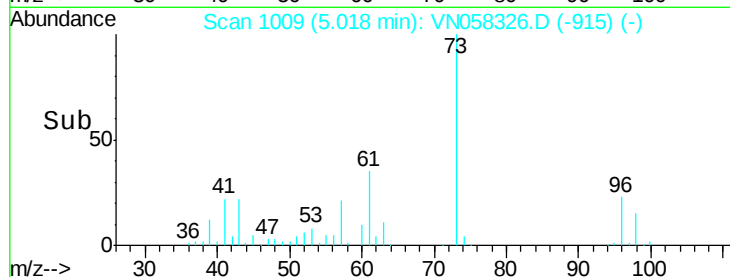
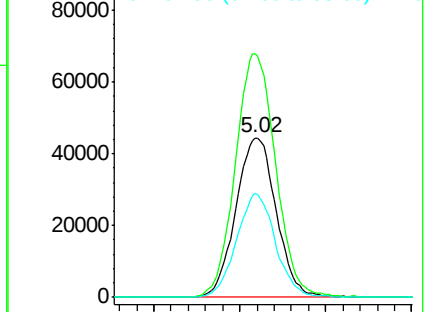
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 55.253 ug/l

RT: 5.93 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Tgt Ion: 45 Resp: 785221

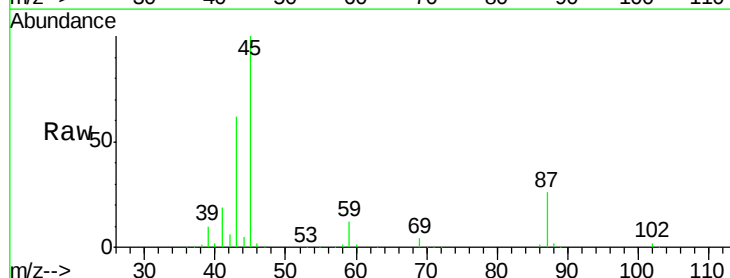
Ion Ratio Lower Upper

45 100

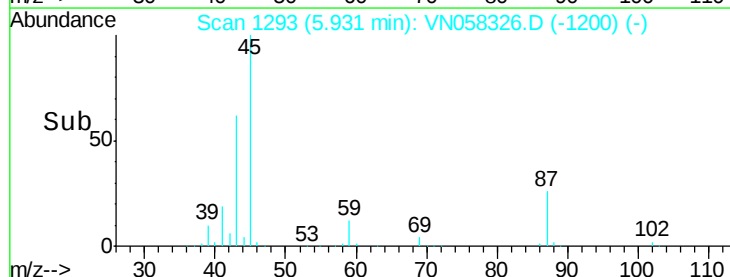
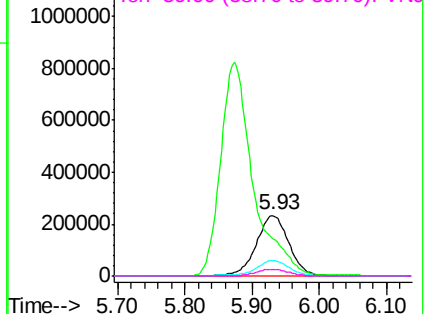
43 62.1 49.7 74.5

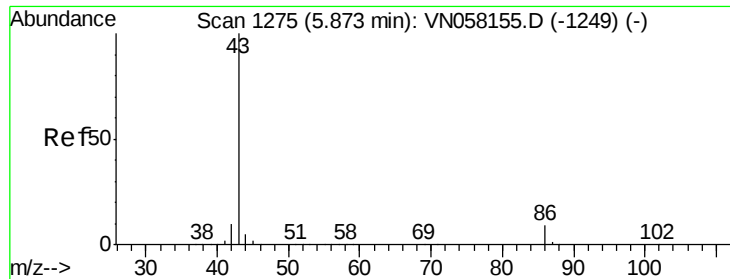
87 25.7 20.7 31.1

59 11.6 9.1 13.7



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





#23

Vinyl Acetate

Concen: 286.966 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MSD

Tot Ion: 43 Resp: 2790545

Ion Ratio Lower Upper

43 100

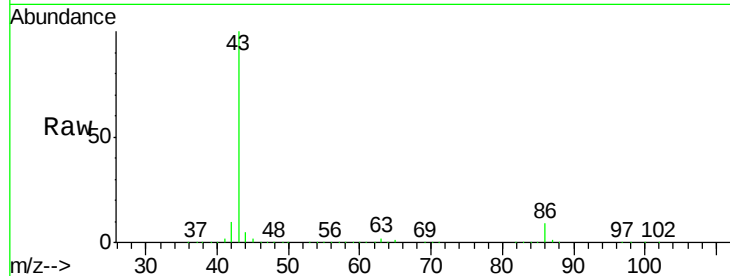
86 9.2 7.4 11.2

Manual Integrations

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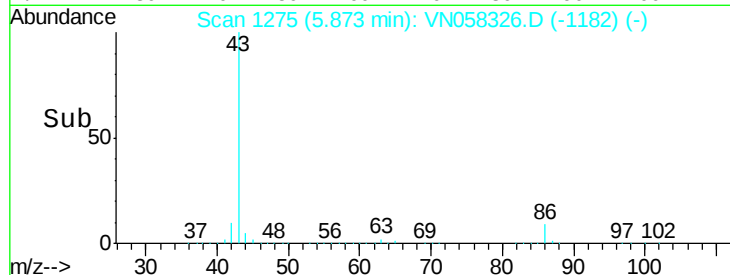
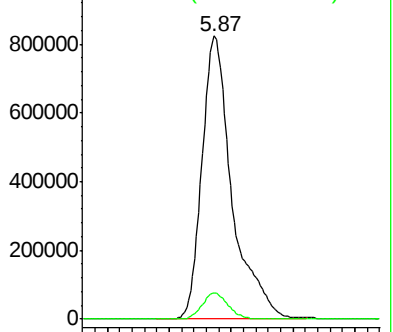
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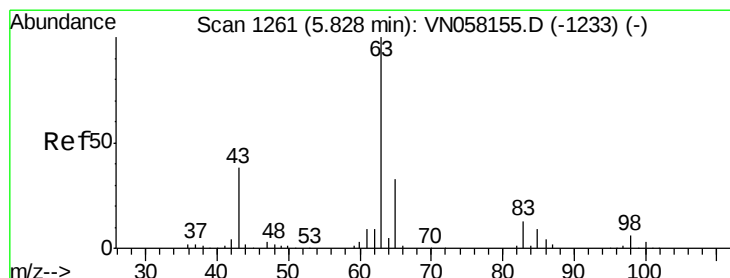


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



Time-->



#24

1,1-Dichloroethane

Concen: 55.349 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

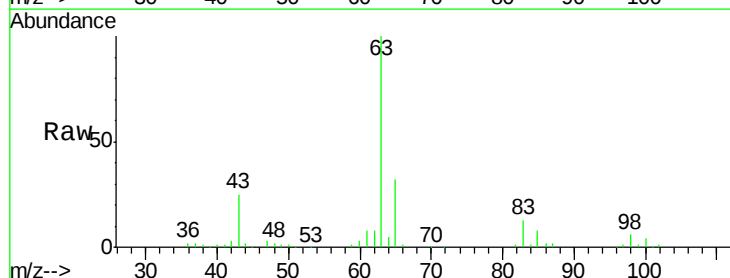
Tgt Ion: 63 Resp: 419822

Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

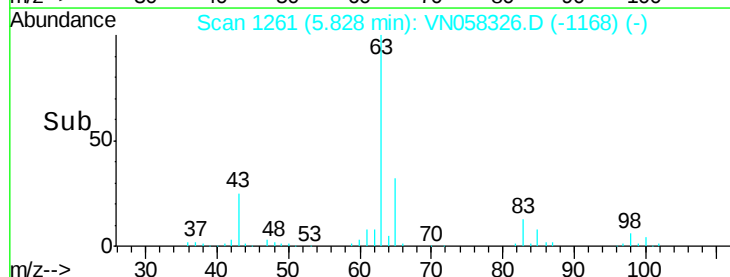
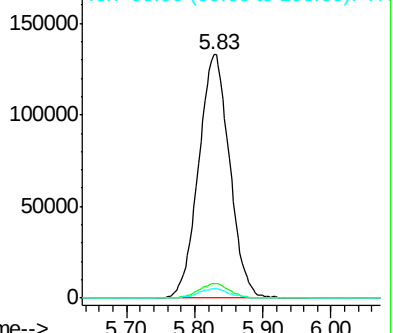
100 3.8 1.8 5.3



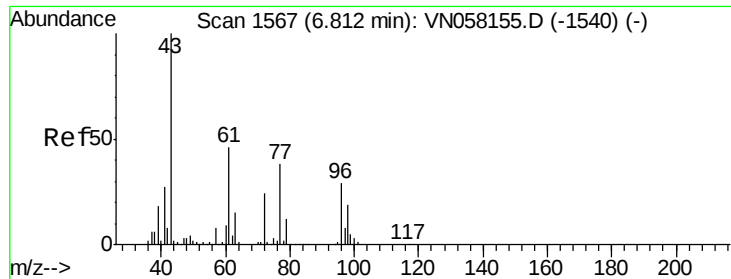
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



Time-->



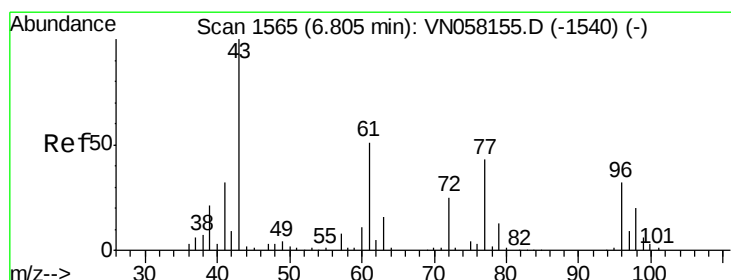
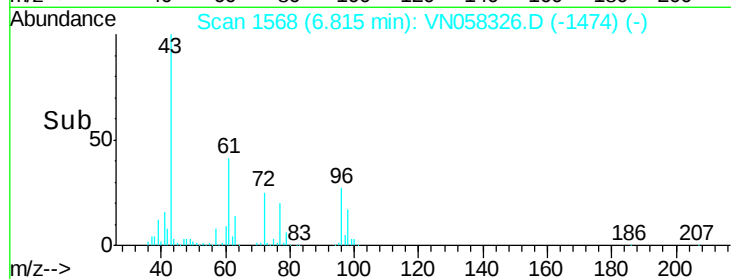
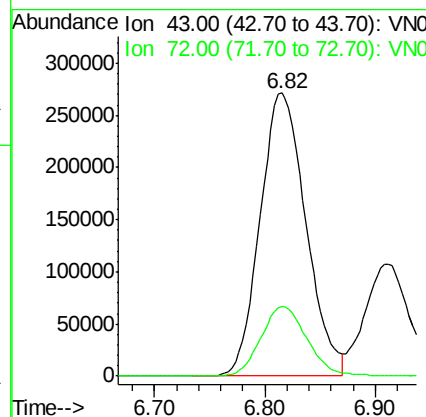
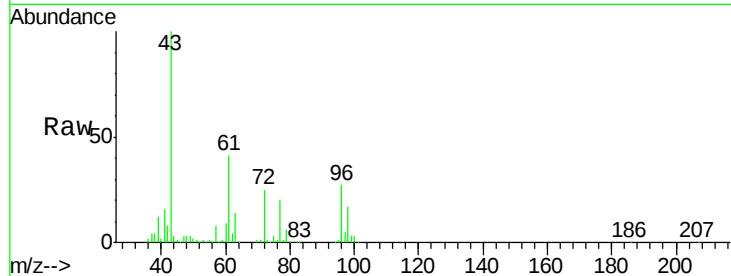
#25
2-Butanone
Concen: 285.515 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MSD

Tot Ion	Ratio	Lower	Upper
43	100		
72	24.6	19.5	29.3

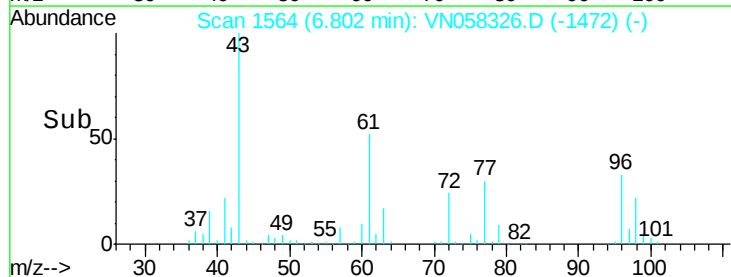
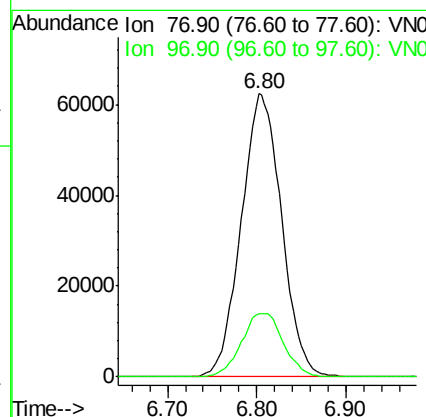
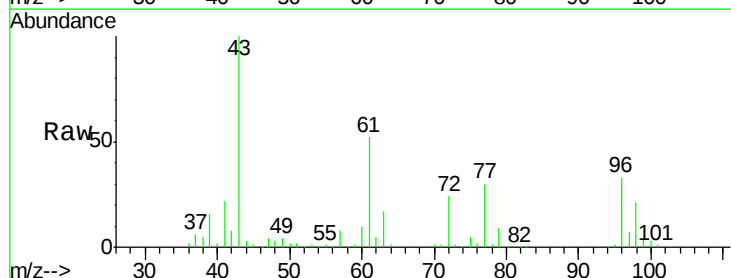
Manual Integrations
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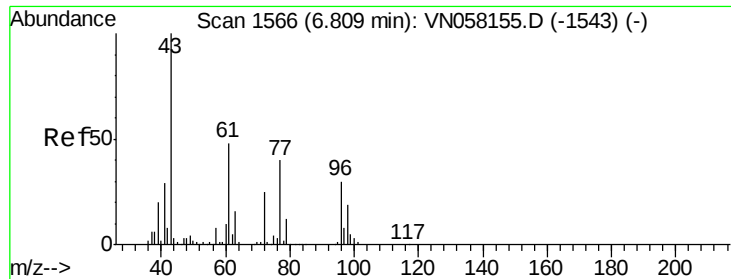
MMDadoda
9/25/2019 12:49:52 AM



#26
2,2-Dichloropropane
Concen: 30.425 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Tgt Ion	Ratio	Lower	Upper
77	100		
97	23.3	10.5	31.6





#27

cis-1,2-Dichloroethene

Concen: 51.100 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

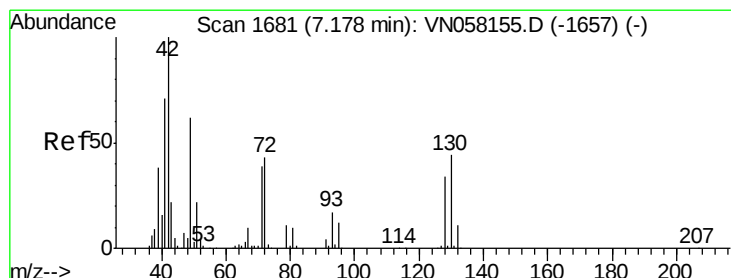
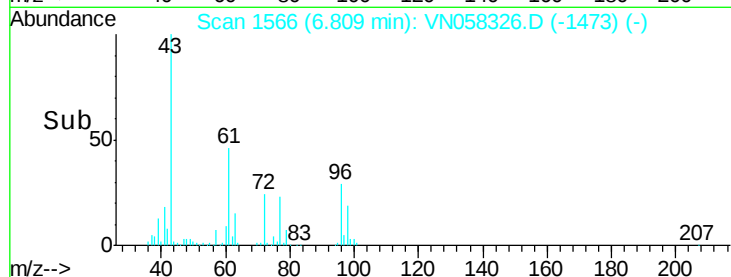
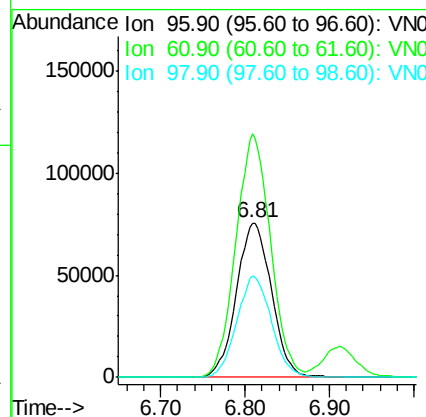
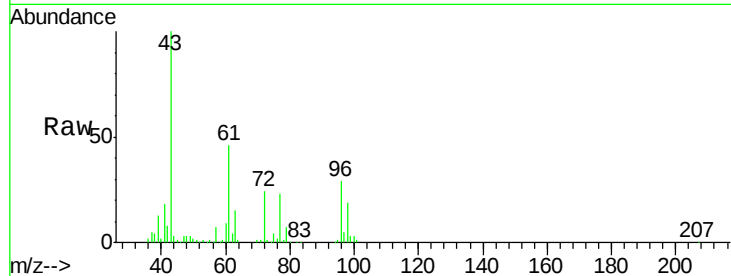
ClientSampleId :

S49-0520MSD

Tot Ion:	96	Resp:	219157
Ion	Ratio	Lower	Upper
96	100		
61	155.5	0.0	319.0
98	64.6	0.0	126.6

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#28

Bromochloromethane

Concen: 58.327 ug/l

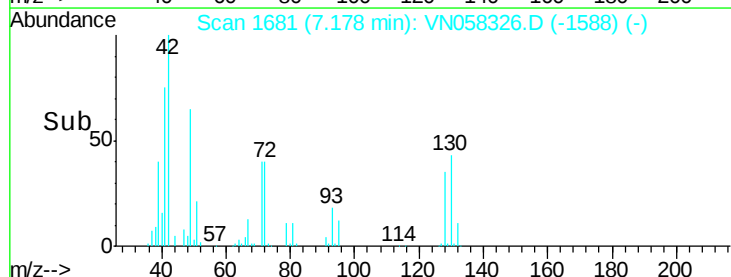
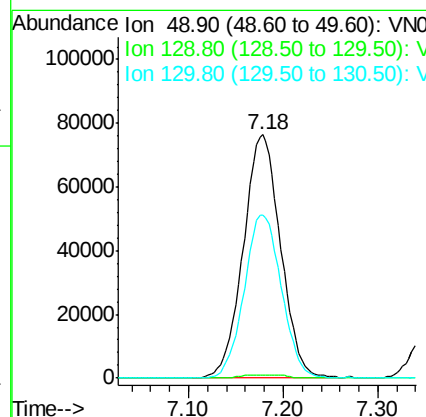
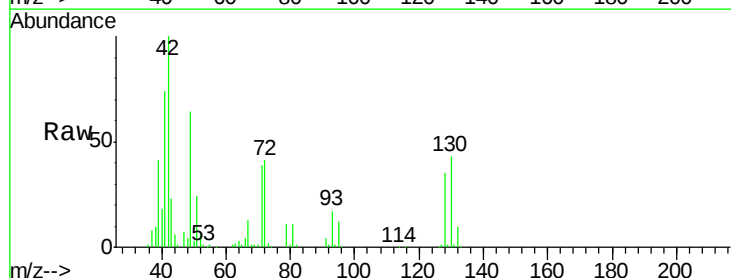
RT: 7.18 min Scan# 1681

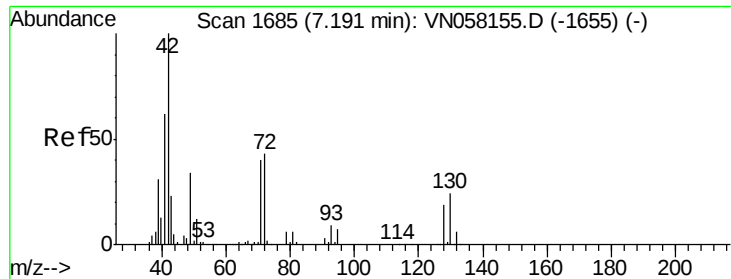
Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Tgt Ion:	49	Resp:	209284
Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	1.8
130	66.8	55.4	83.2





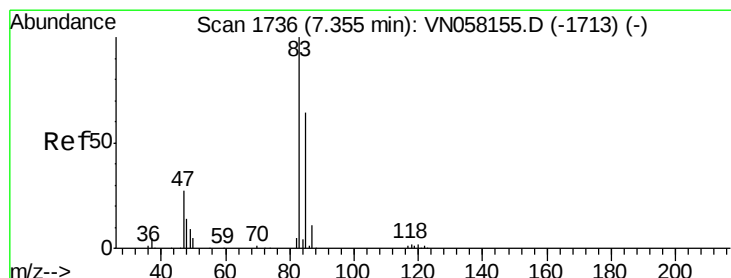
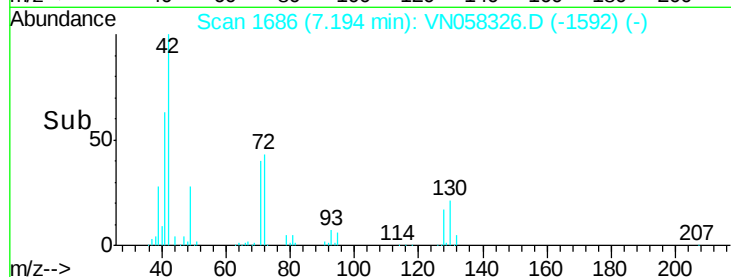
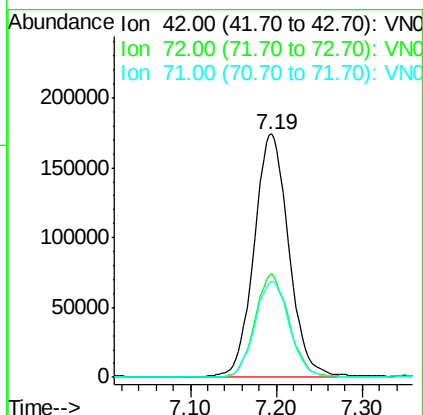
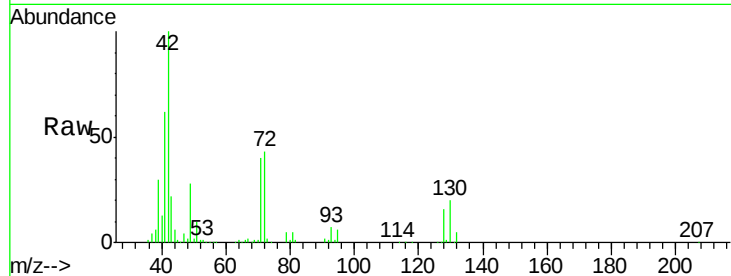
#29
Tetrahydrofuran
Concen: 290.989 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MSD

Tot Ion	Ratio	Resp	Lower	Upper
42	100	488257		
72	42.0		33.8	50.6
71	39.6		31.4	47.0

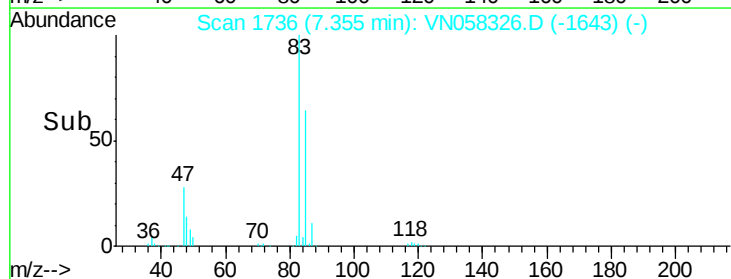
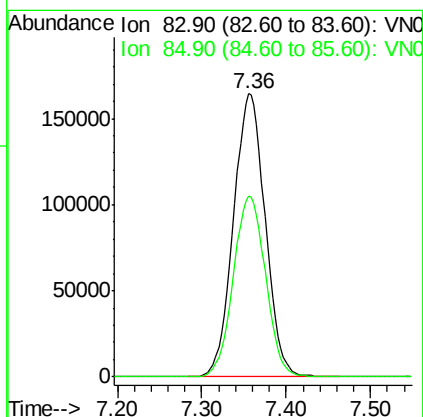
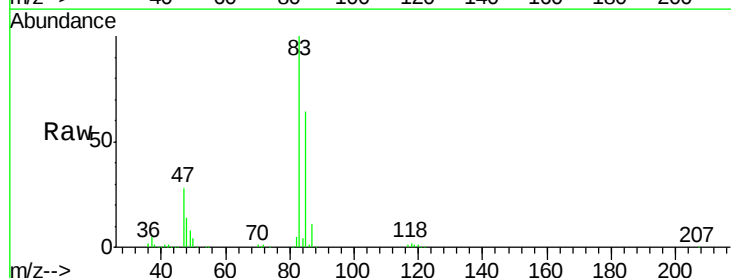
Manual Integrations
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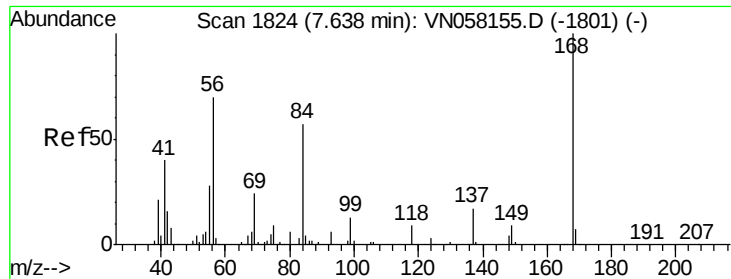
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#30
Chloroform
Concen: 52.741 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	430602		
85	63.8		51.4	77.2





#31

Cyclohexane

Concen: 42.296 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

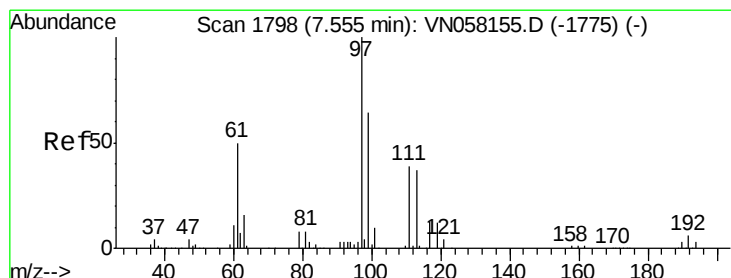
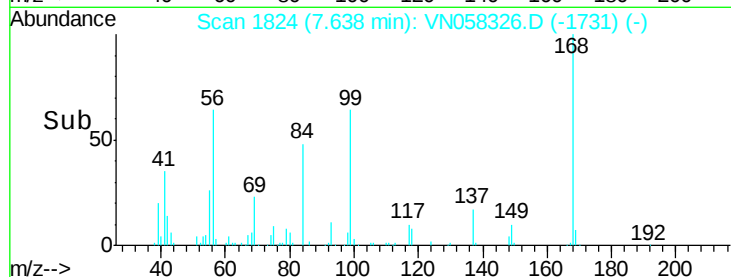
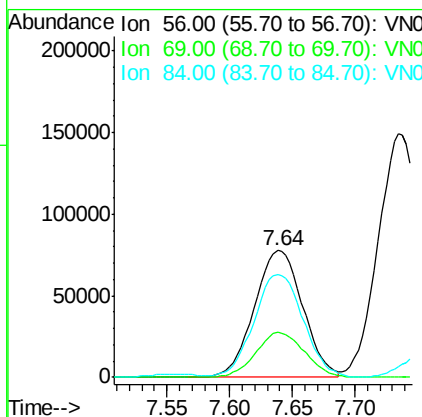
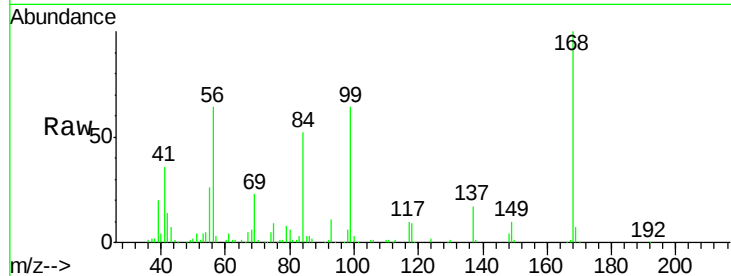
ClientSampled :

S49-0520MSD

Tot Ion:	56	Resp:	209197
Ion Ratio	Lower	Upper	
56	100		
69	35.6	27.3	40.9
84	79.3	65.0	97.4

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#32

1,1,1-Trichloroethane

Concen: 52.856 ug/l

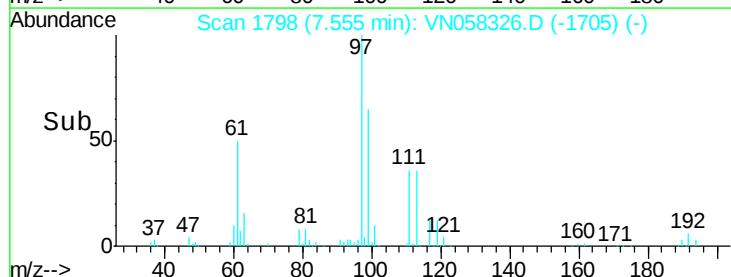
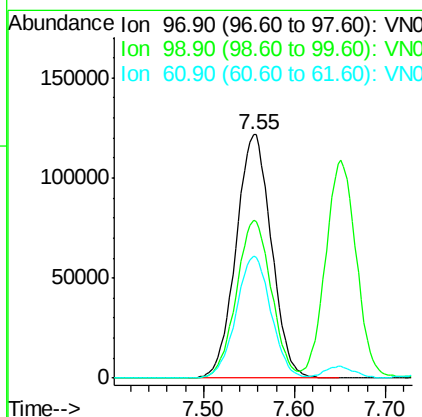
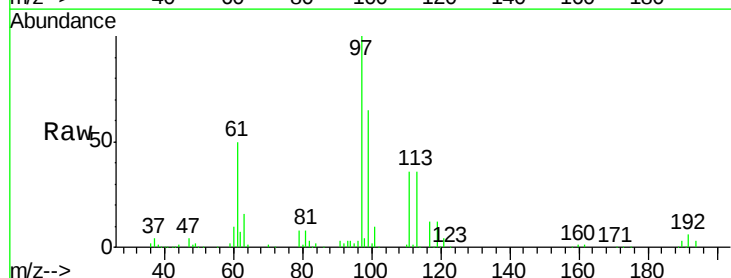
RT: 7.55 min Scan# 1798

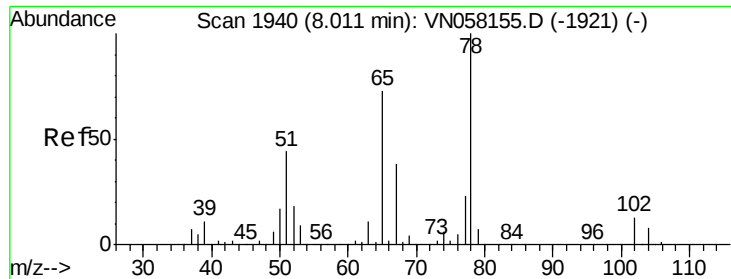
Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Tgt Ion:	97	Resp:	328524
Ion Ratio	Lower	Upper	
97	100		
99	63.9	50.9	76.3
61	49.3	39.2	58.8





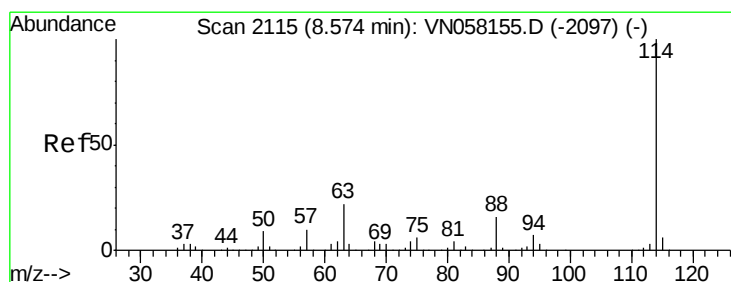
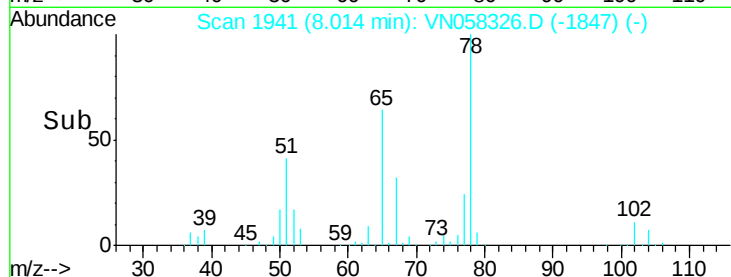
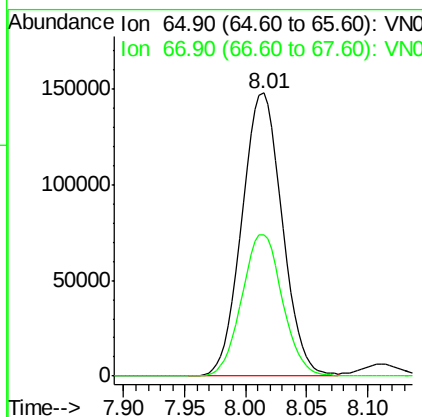
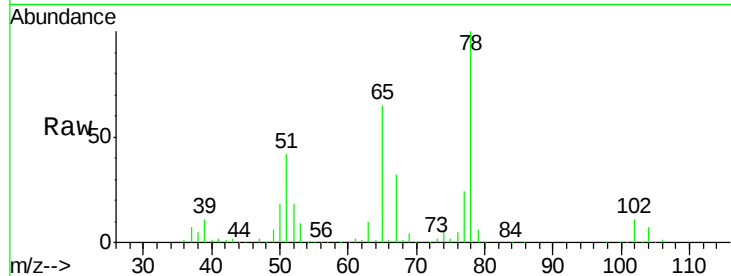
#33
 1,2-Dichloroethane-d4
 Concen: 57.465 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100	338492		
67	50.5	0.0	103.4	

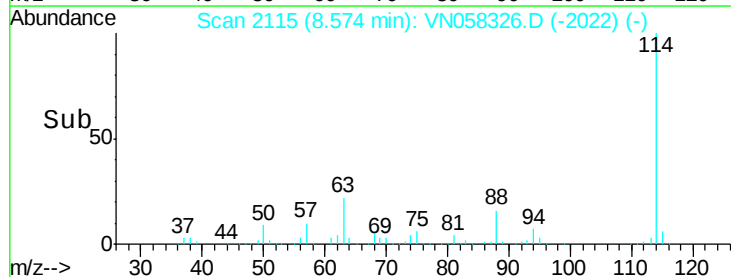
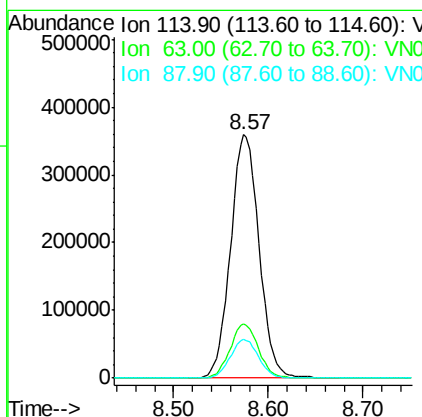
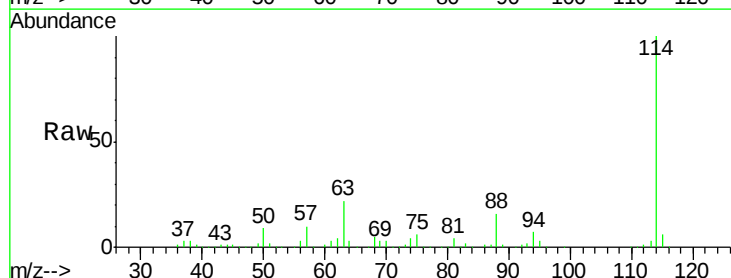
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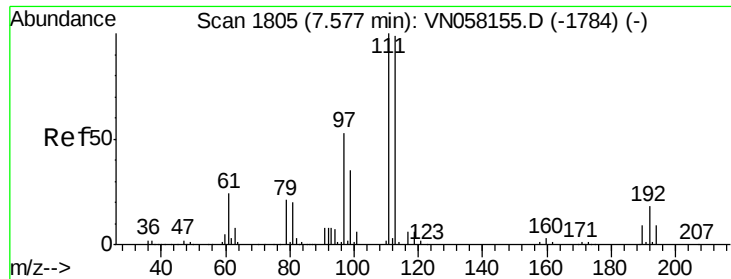
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	753198		
63	22.3	0.0	44.2	
88	15.9	0.0	31.6	





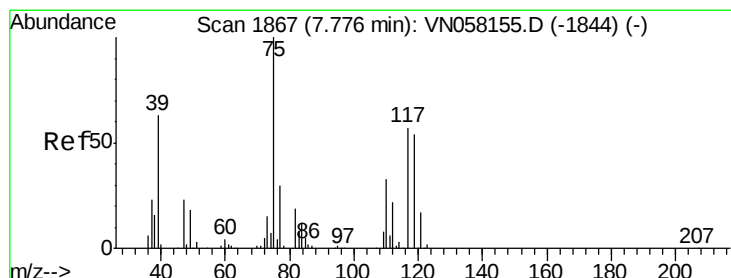
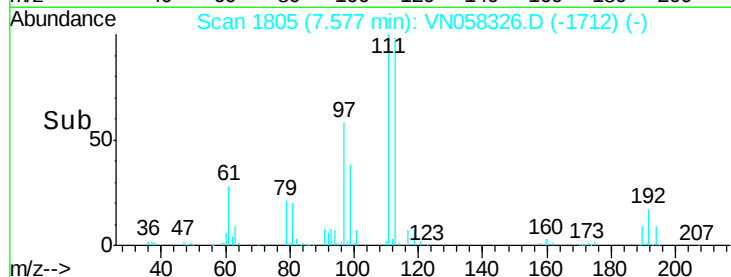
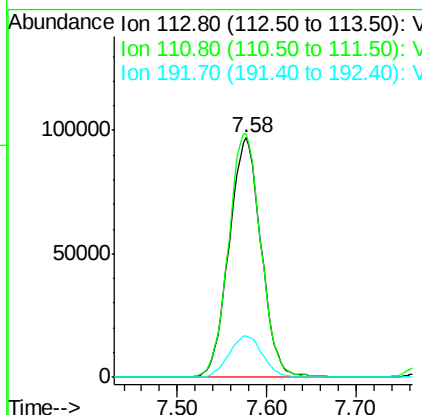
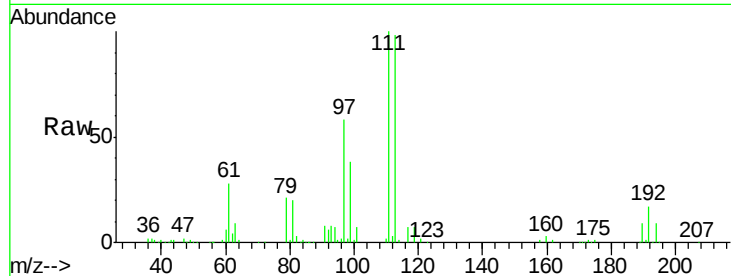
#35
 Dibromofluoromethane
 Concen: 52.912 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Instrument :
 MSVOA_N
 ClientSampled :
 S49-0520MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	242274		
111	102.3	81.8	122.6	
192	18.1	14.5	21.7	

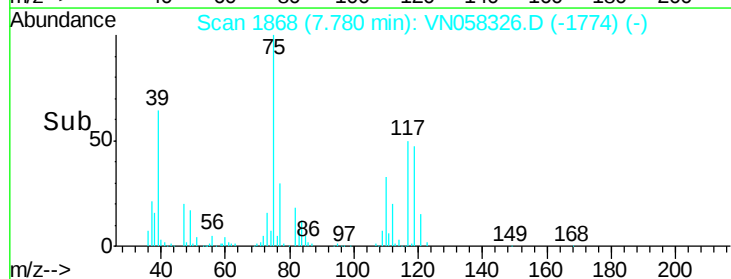
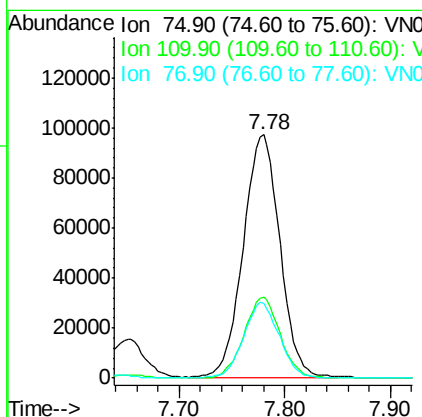
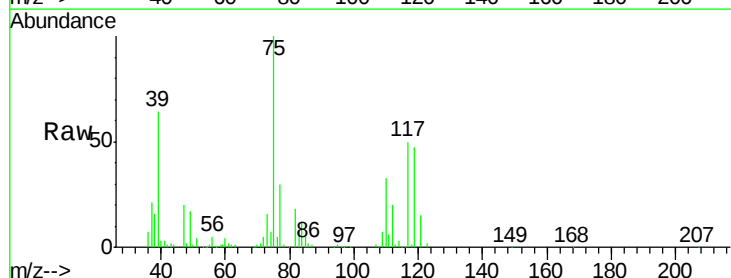
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#36
 1,1-Dichloropropene
 Concen: 43.114 ug/l
 RT: 7.78 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	234182		
110	33.0	16.6	49.7	
77	30.7	24.3	36.5	





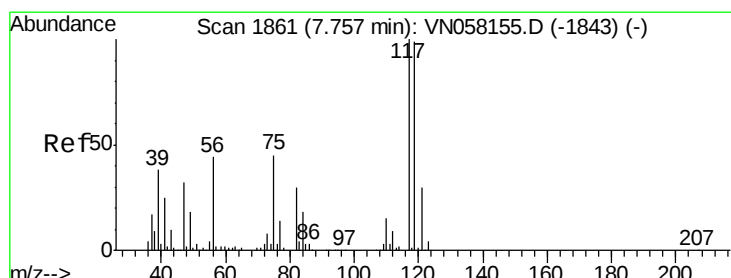
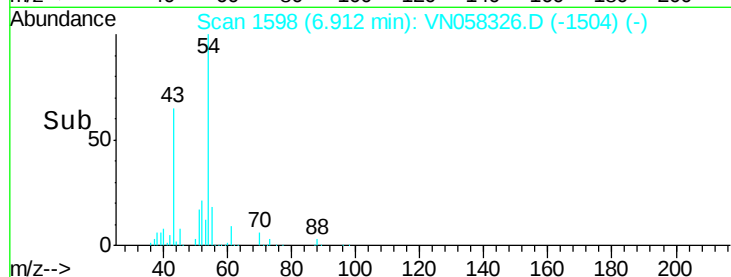
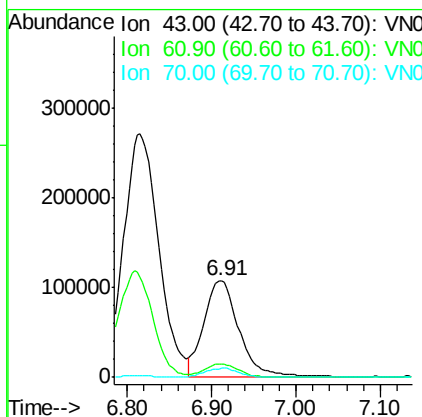
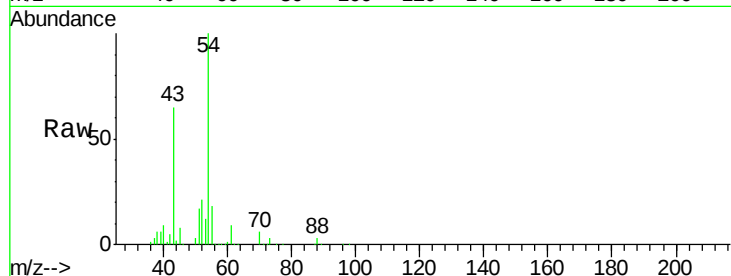
#37
Ethyl Acetate
Concen: 54.536 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MSD

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.5	10.7	16.1	
70	9.5	7.6	11.4	

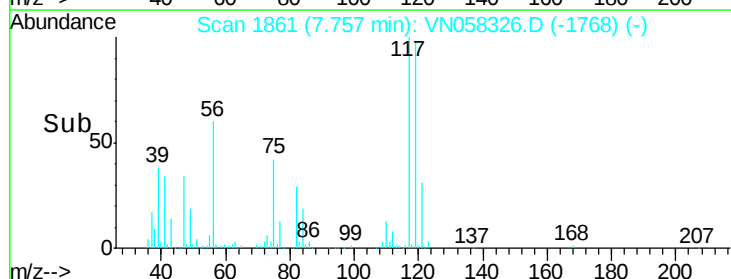
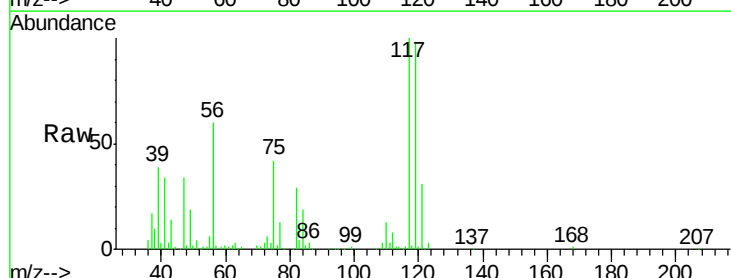
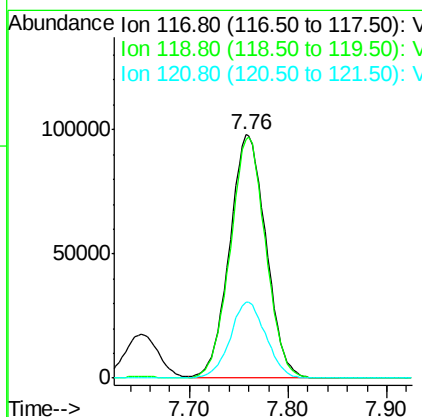
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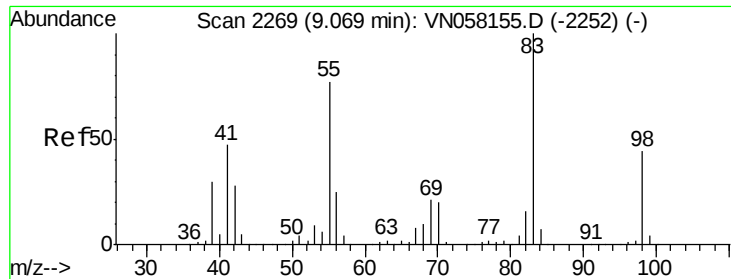
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#38
Carbon Tetrachloride
Concen: 46.080 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	98.0	78.6	117.8	
121	31.2	24.1	36.1	





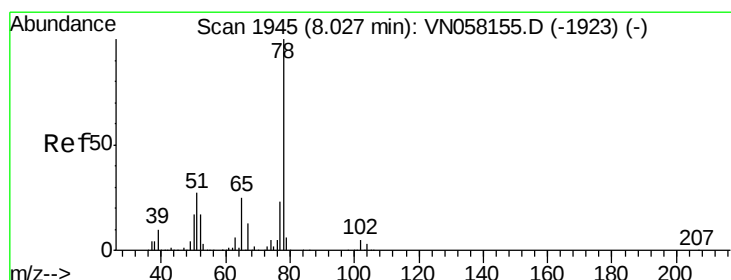
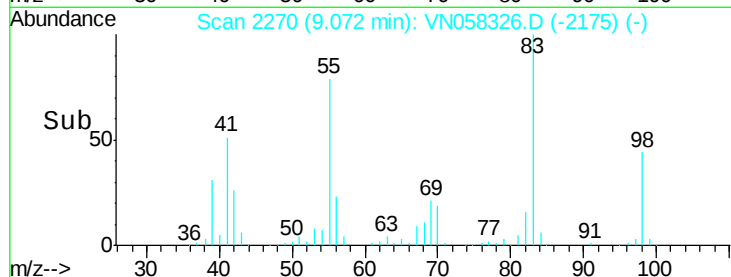
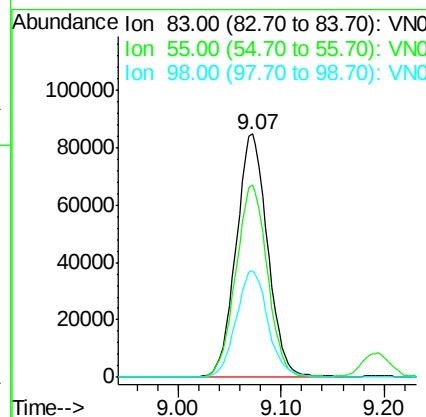
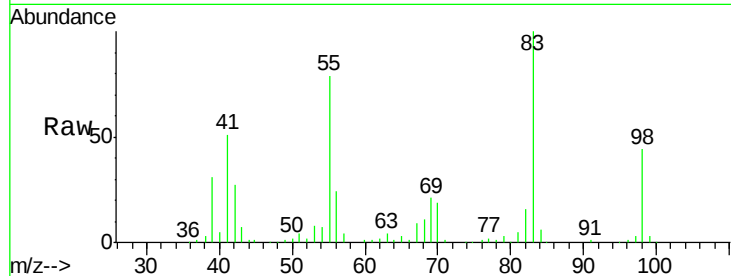
#39
Methvlcvclohexane
Concen: 34.426 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	79.2	61.9	92.9	
98	43.8	35.4	53.2	

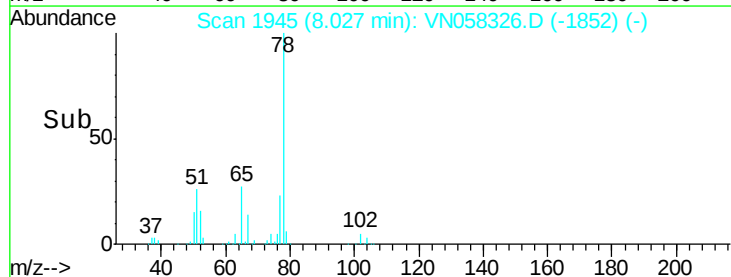
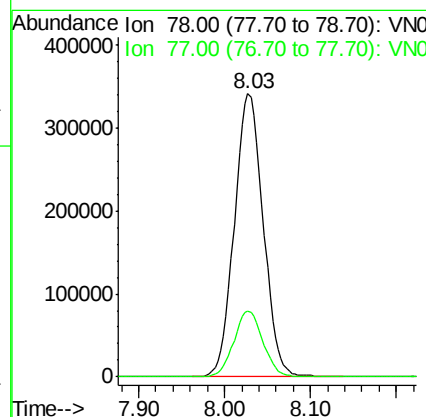
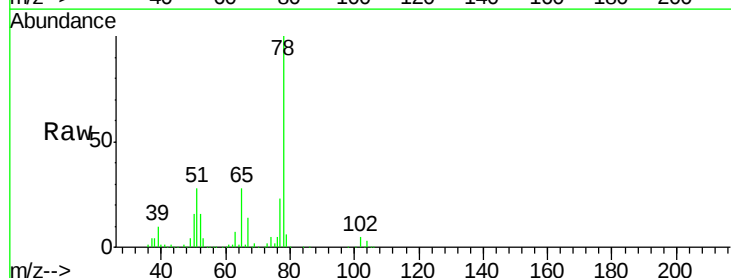
Manual Integrations
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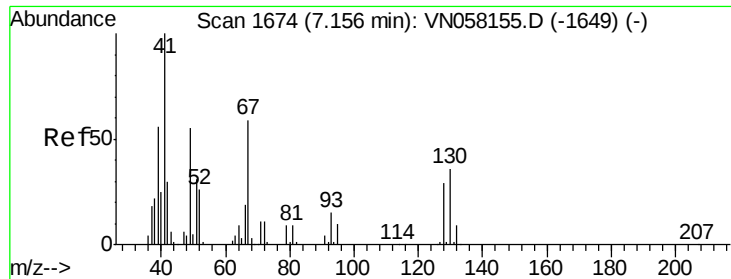
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#40
Benzene
Concen: 47.862 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.4	18.8	28.2	





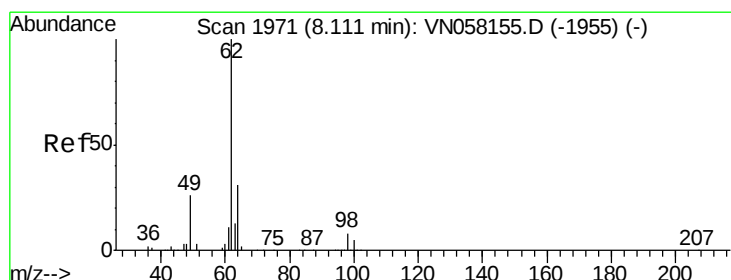
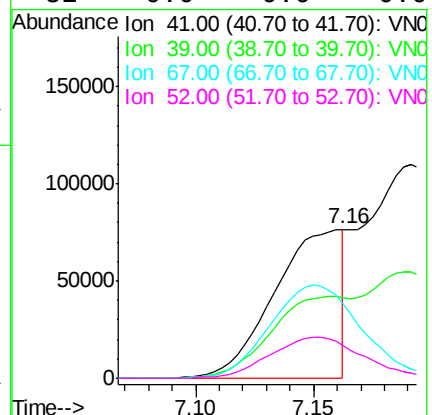
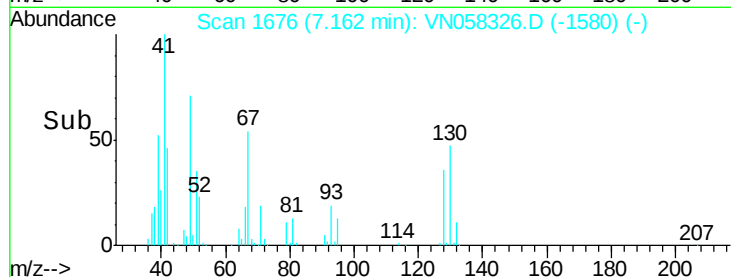
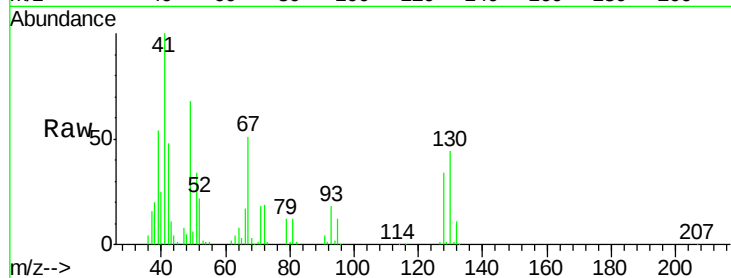
#41
Methacrylonitrile
Concen: 54.421 ug/l m
RT: 7.16 min Scan# 1676
Delta R.T. 0.01 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MSD

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

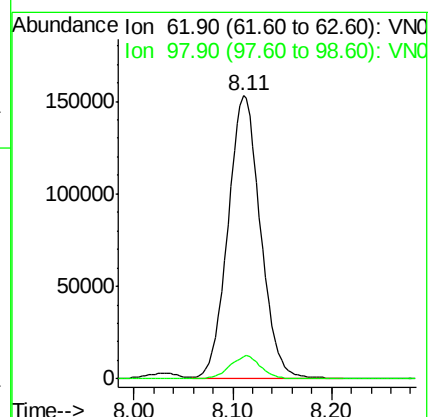
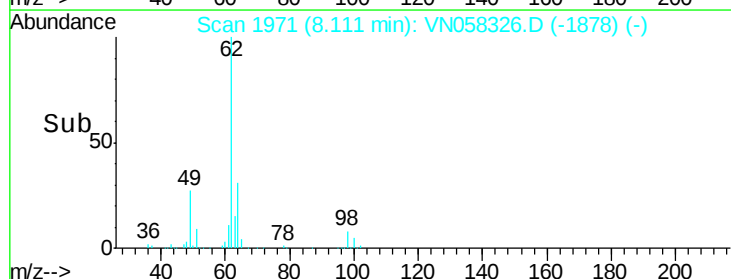
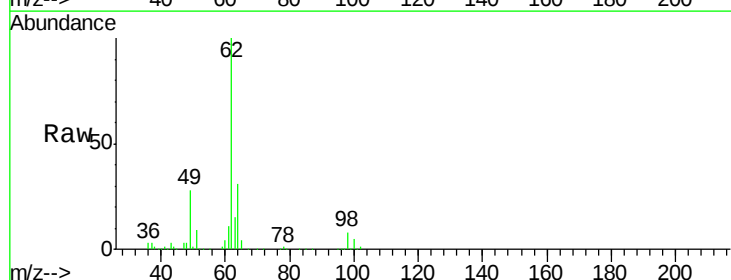
Manual Integrations
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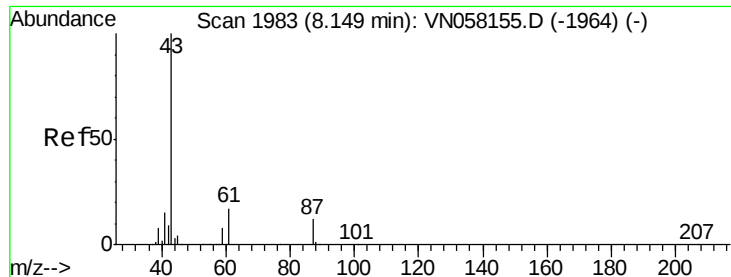
MMDadoda
9/25/2019 12:49:52 AM



#42
1,2-Dichloroethane
Concen: 50.410 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	7.8	0.0	15.6	





#43

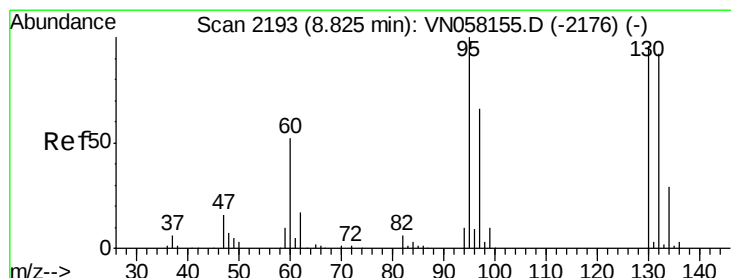
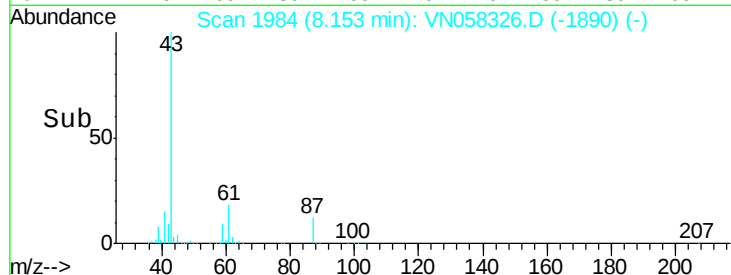
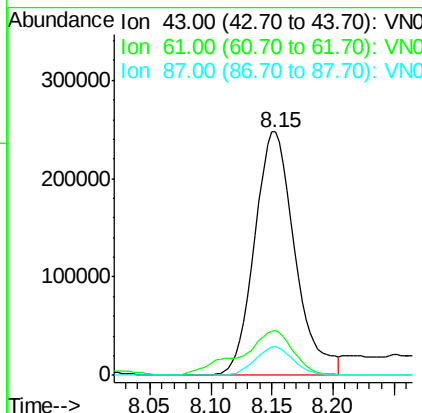
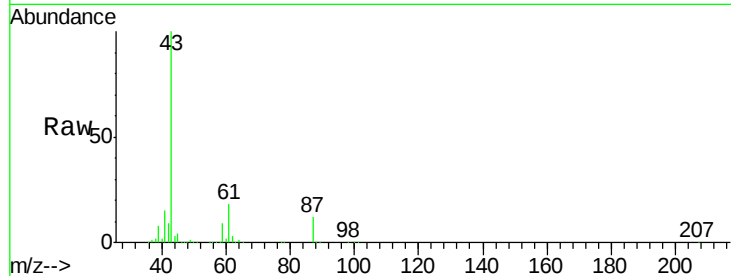
Isopropyl Acetate
 Concen: 53.698 ug/l
 RT: 8.15 min Scan# 1984
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.0	19.7	29.5
87	11.2	9.4	14.2

Manual Integrations
 APPROVED

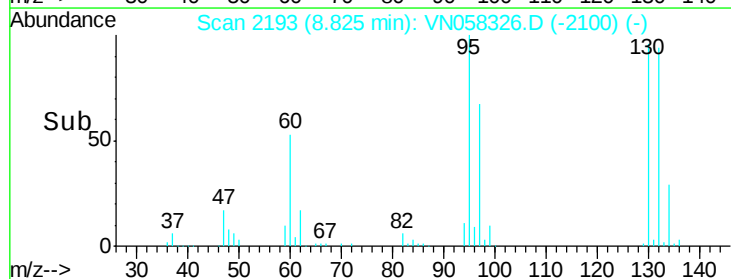
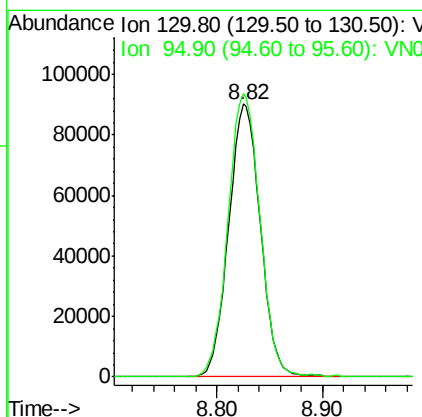
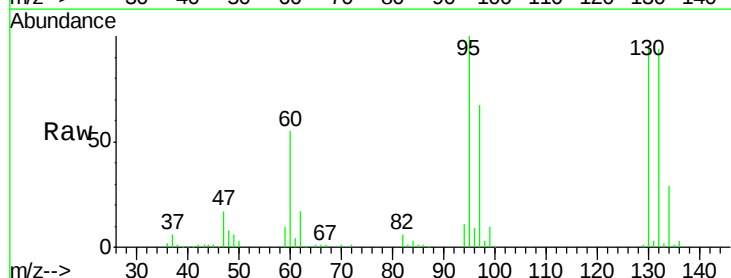
MMDadoda
 9/25/2019 12:49:52 AM

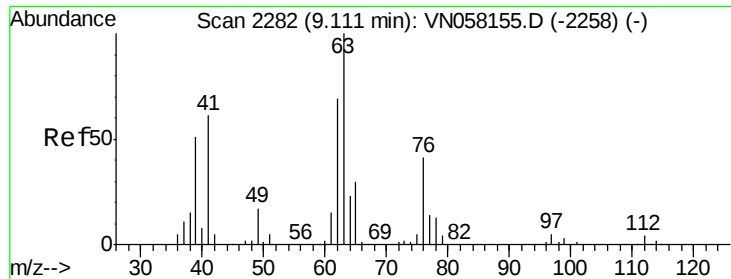


#44

Trichloroethene
 Concen: 46.242 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.6	0.0	207.8





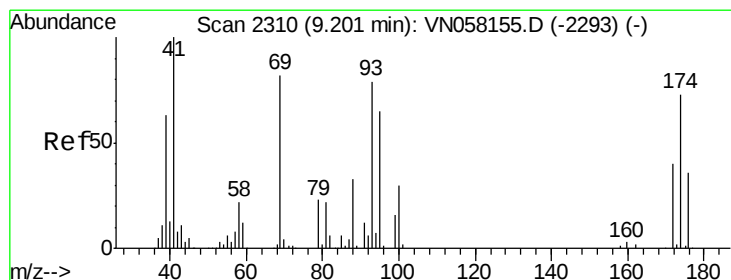
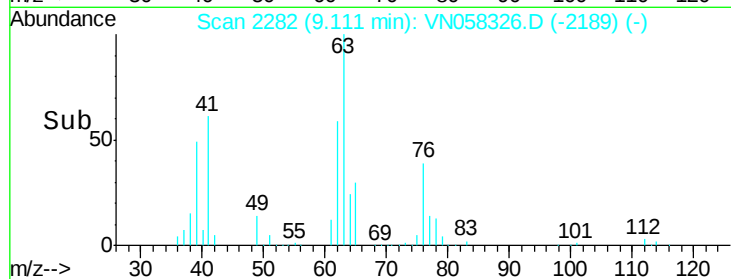
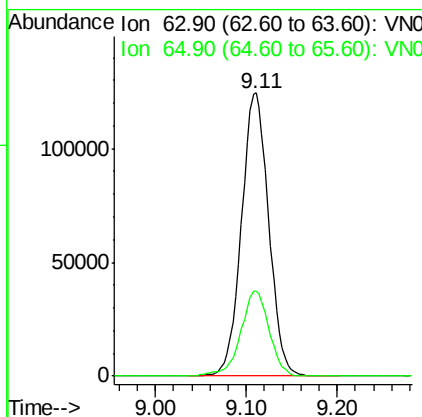
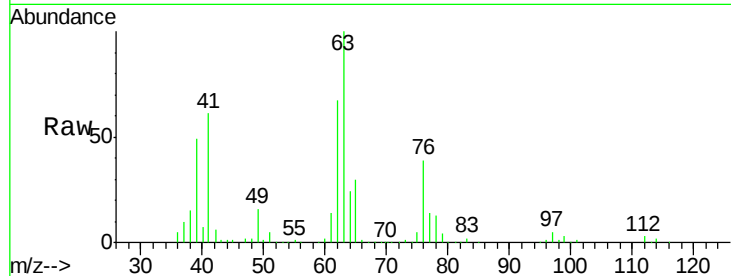
#45
 1,2-Dichloropropane
 Concen: 52.288 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Instrument :
 MSVOA_N
 ClientSampled :
 S49-0520MSD

Tot Ion	Ratio	Resp	Lower	Upper
63	100	259058		
65	30.2		23.8	35.6

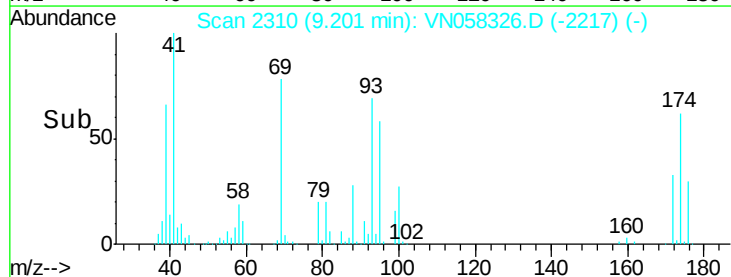
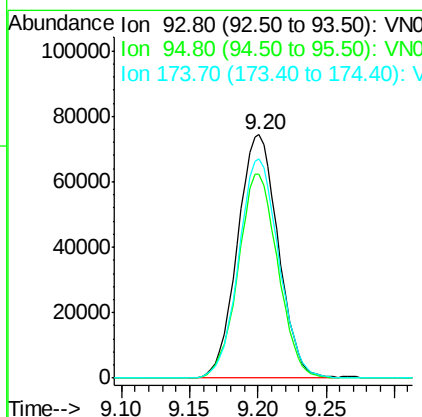
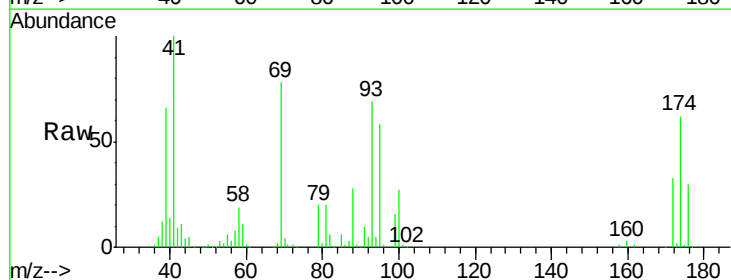
Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 12:49:52 AM



#46
 Dibromomethane
 Concen: 51.118 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	153979		
95	81.8		66.8	100.2
174	88.8		73.8	110.8





#47

Bromodichloromethane

Concen: 53.345 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

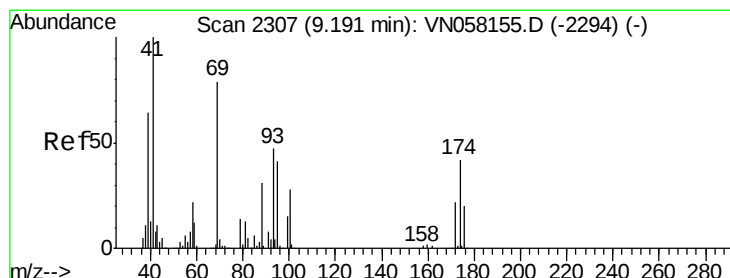
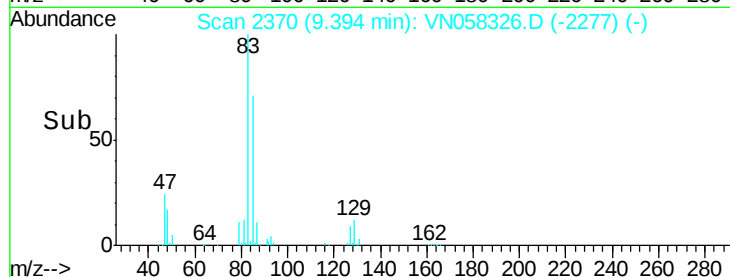
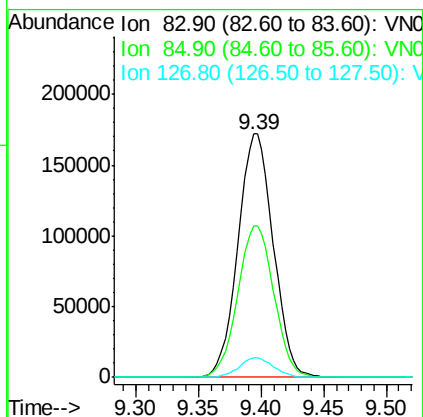
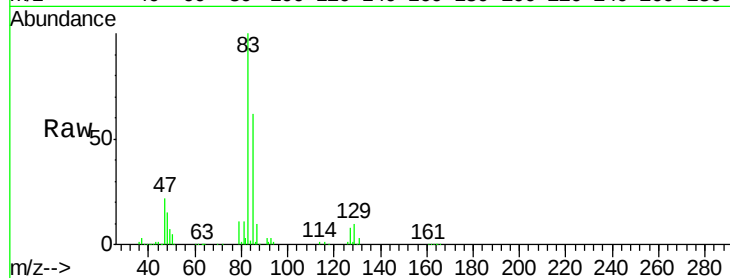
ClientSampleId :

S49-0520MSD

Tot Ion:	83	Resp:	336637
Ion Ratio	Lower	Upper	
83	100		
85	62.0	50.1	75.1
127	8.2	6.4	9.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 56.139 ug/l

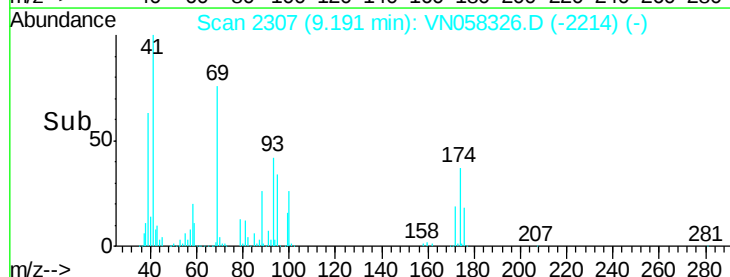
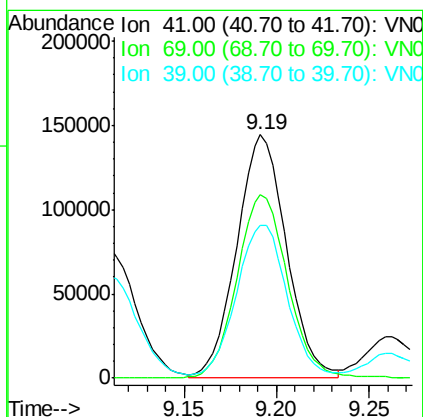
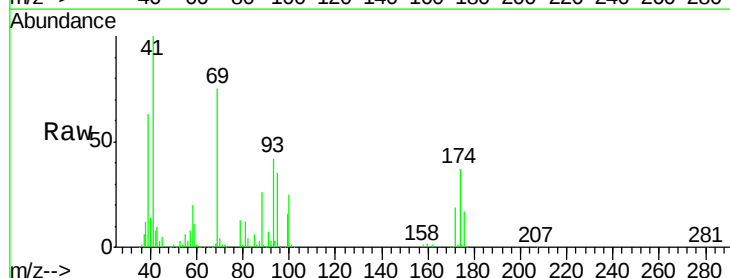
RT: 9.19 min Scan# 2307

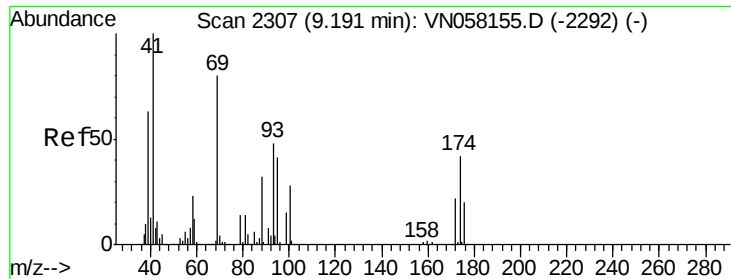
Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Tgt Ion:	41	Resp:	268341
Ion Ratio	Lower	Upper	
41	100		
69	77.4	62.5	93.7
39	64.7	52.3	78.5





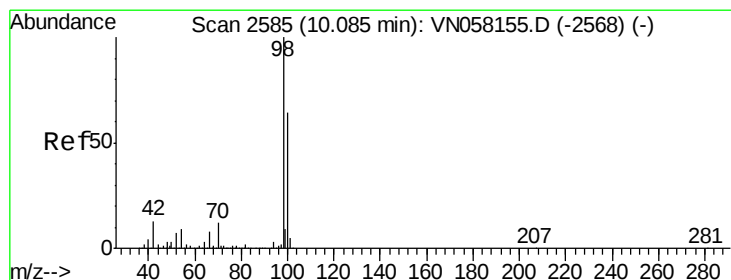
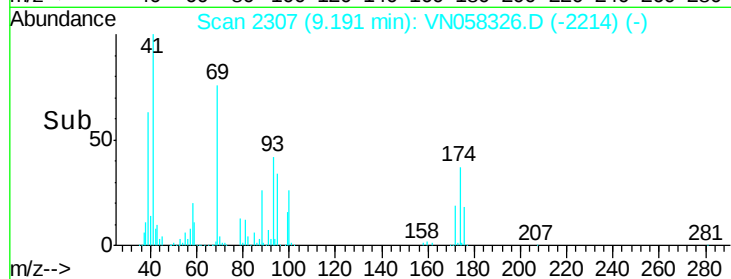
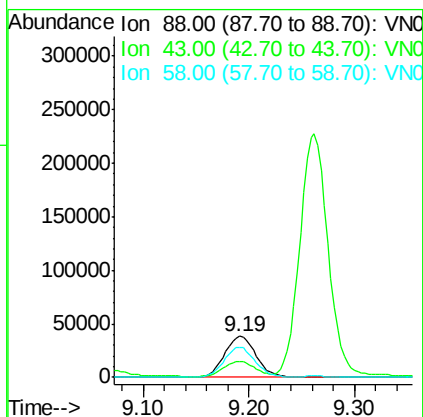
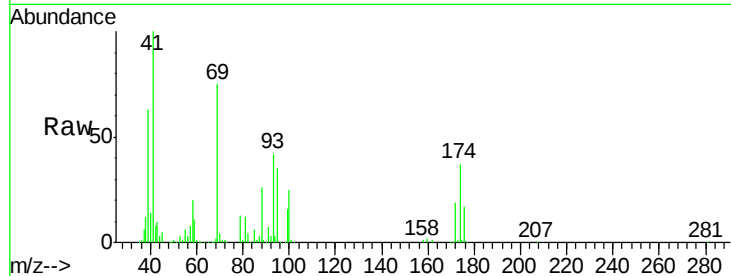
#49
1,4-Dioxane
Concen: 1014.254 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	27.8	41.8
58	71.8	55.0	82.4

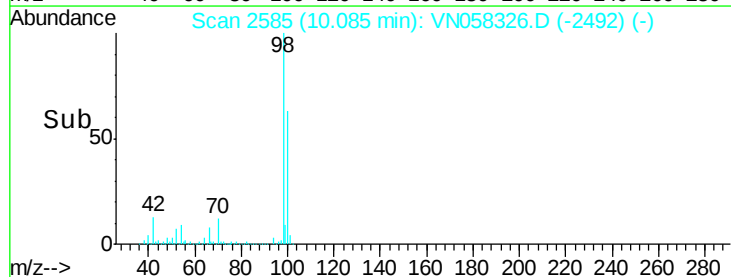
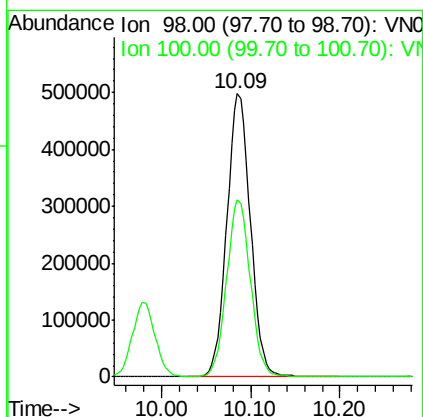
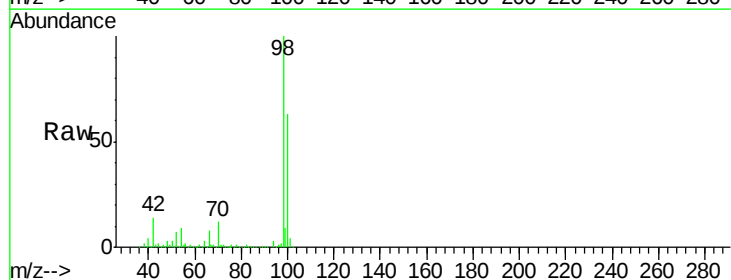
Manual Integrations
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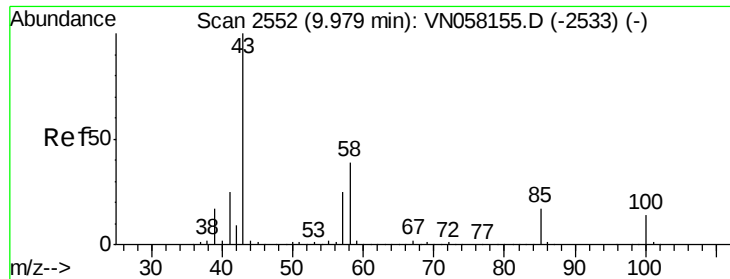
MMDadoda
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#50
Toluene-d8
Concen: 51.065 ug/l
RT: 10.09 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.2	51.1	76.7





#51

4-Methyl-2-Pentanone

Concen: 316.468 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MSD

Tot Ion: 43 Resp: 1769606

Ion Ratio Lower Upper

43 100

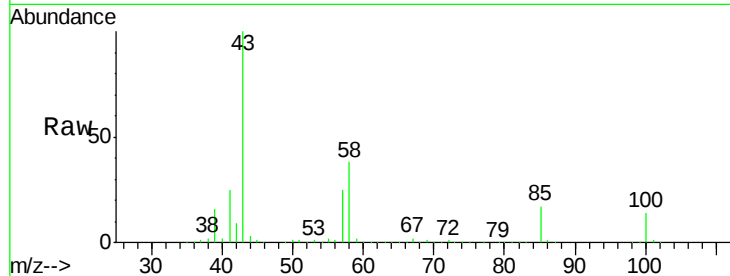
58 37.2 30.2 45.4

Manual Integrations

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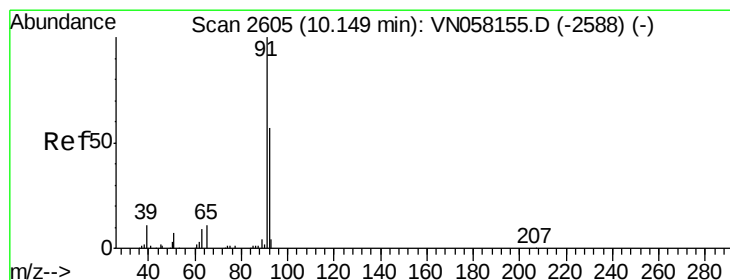
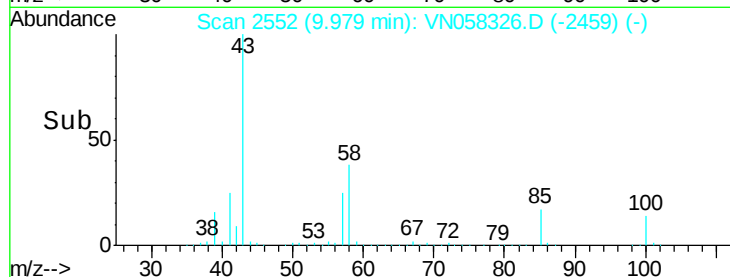
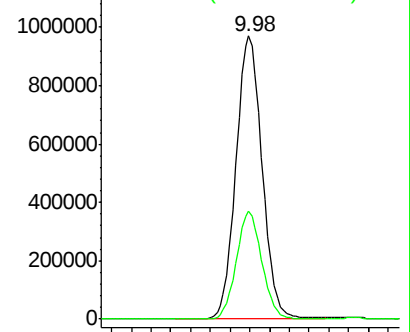
MMDadoda

9/25/2019 12:49:52 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 47.874 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058326.D

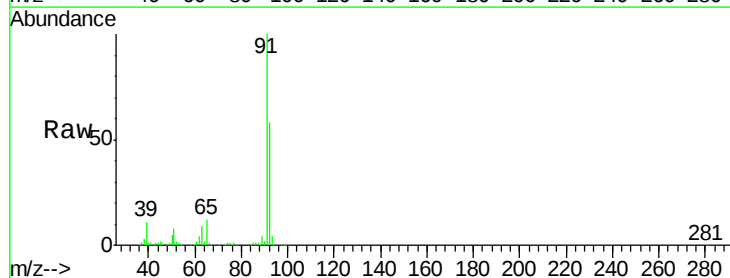
Acq: 24 Sep 2019 4:27

Tgt Ion: 92 Resp: 497755

Ion Ratio Lower Upper

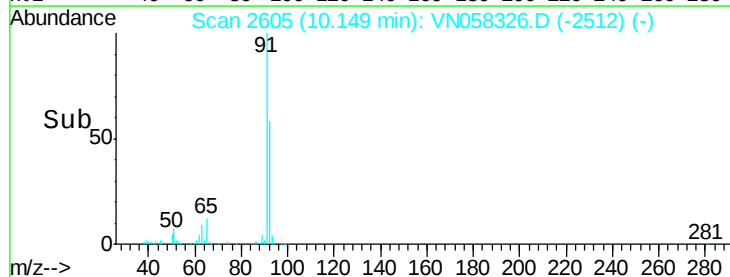
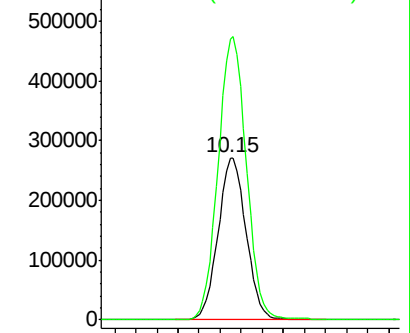
92 100

91 177.0 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 50.275 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MSD

Tot Ion: 75 Resp: 324990

Ion Ratio Lower Upper

75 100

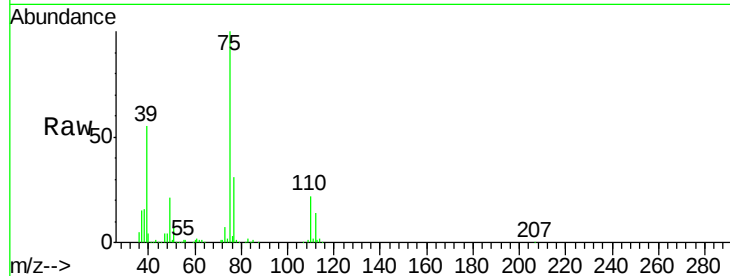
77 31.4 24.9 37.3

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

10.38

200000

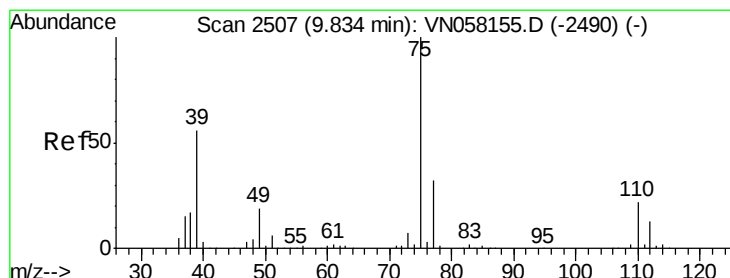
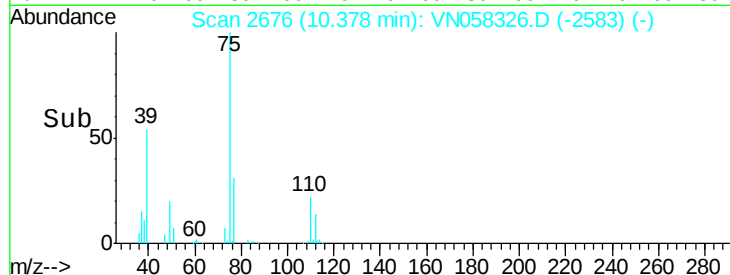
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 48.384 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

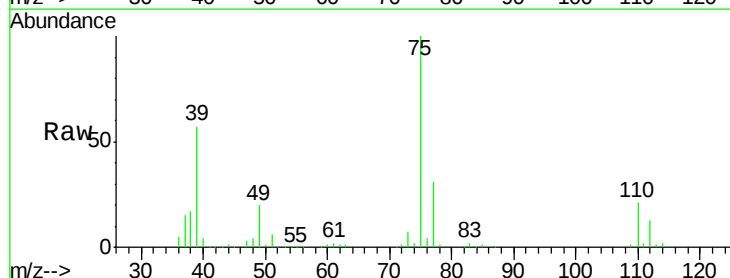
Tgt Ion: 75 Resp: 345310

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.0

39 57.1 45.0 67.6



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

250000

200000

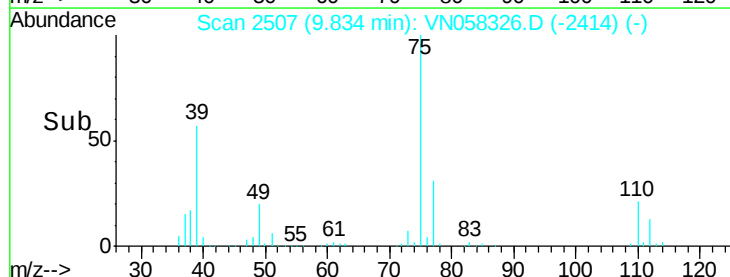
150000

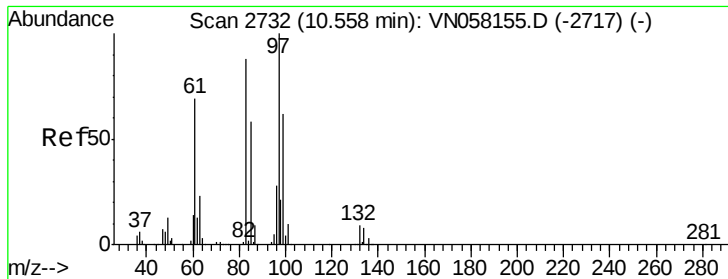
100000

50000

0

Time-->





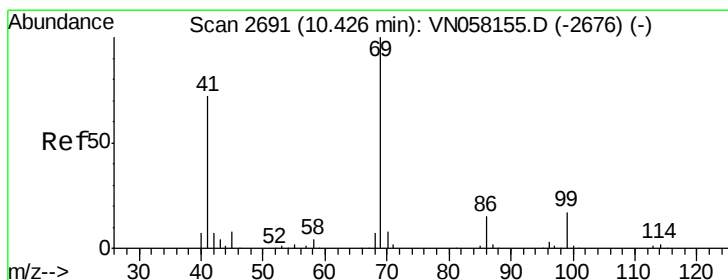
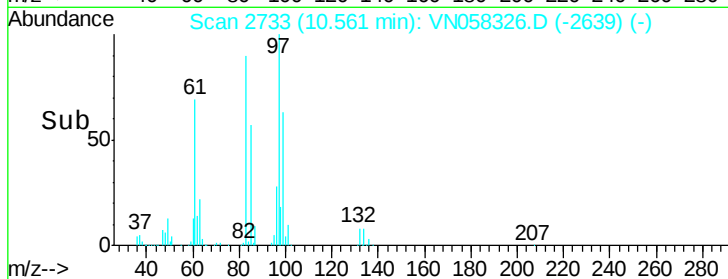
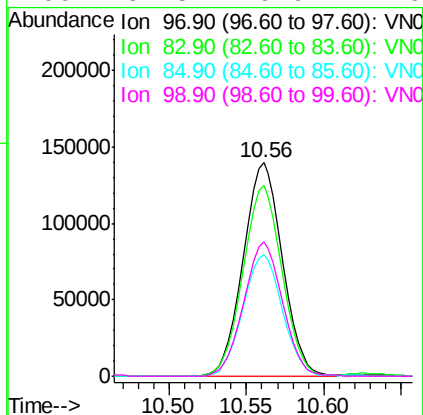
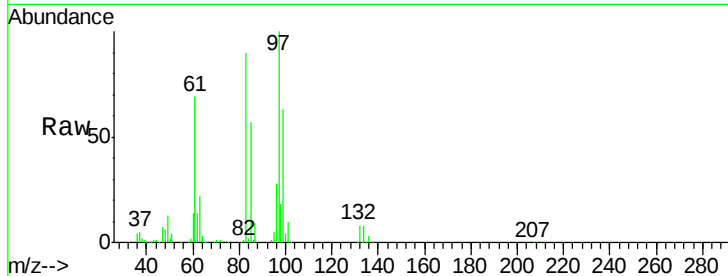
#55
 1,1,2-Trichloroethane
 Concen: 53.431 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		246532		
83	89.6	70.4	105.6		
85	56.7	46.8	70.2		
99	62.5	49.9	74.9		

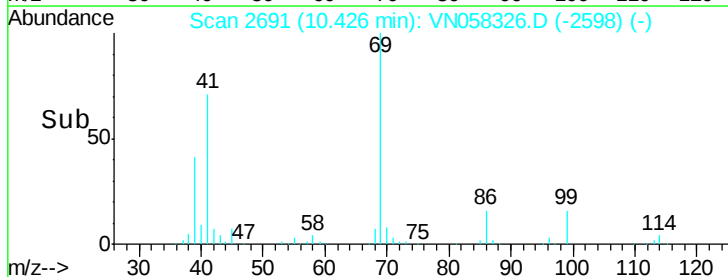
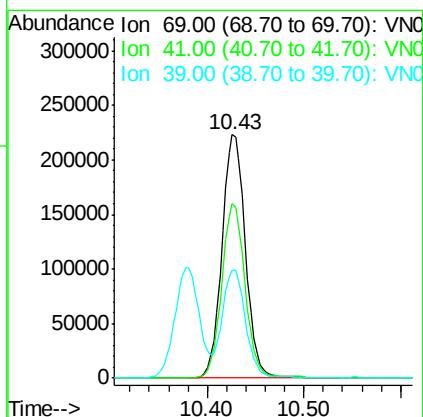
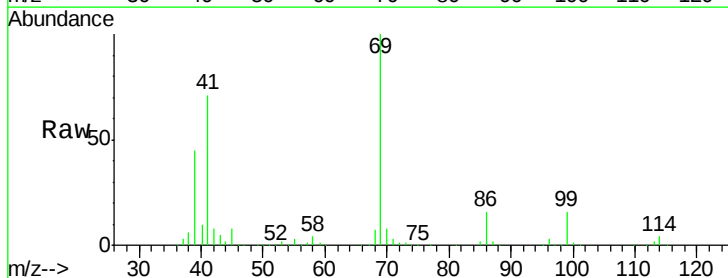
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 56.395 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		375435		
41	70.4	57.5	86.3		
39	44.6	36.1	54.1		





#57

1,3-Dichloropropane

Concen: 51.943 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MSD

Tot Ion: 76 Resp: 412014

Ion Ratio Lower Upper

76 100

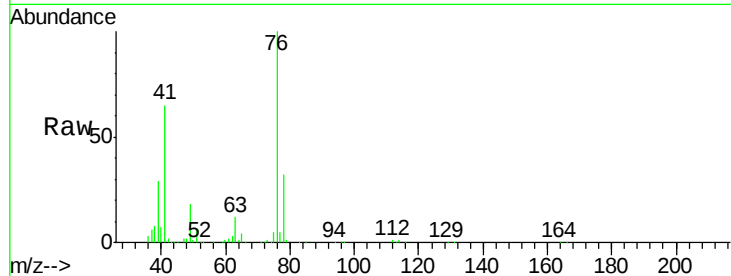
78 32.2 25.4 38.0

Manual Integrations

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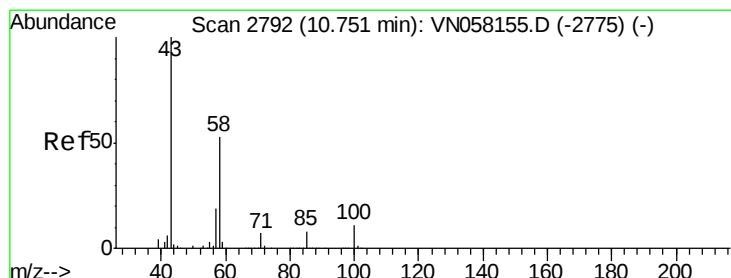
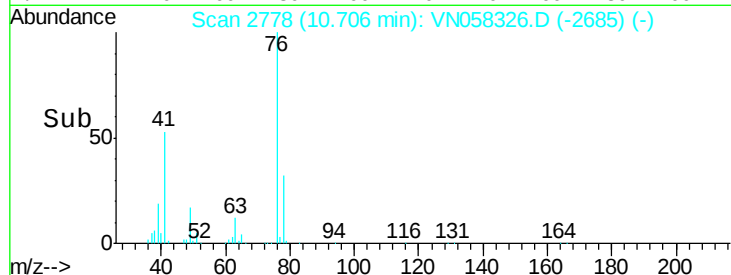
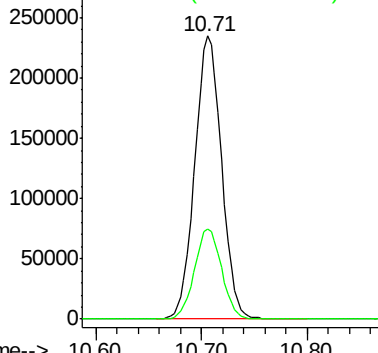
MMDadoda

9/25/2019 12:49:52 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#59

2-Hexanone

Concen: 305.128 ug/l

RT: 10.75 min Scan# 2792

Delta R.T. 0.00 min

Lab File: VN058326.D

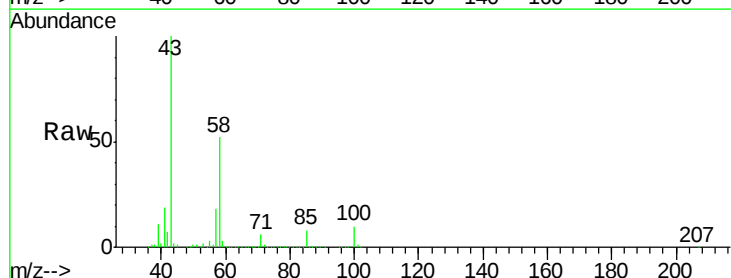
Acq: 24 Sep 2019 4:27

Tgt Ion: 43 Resp: 1267173

Ion Ratio Lower Upper

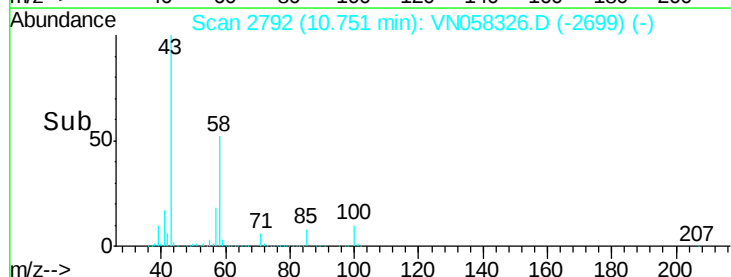
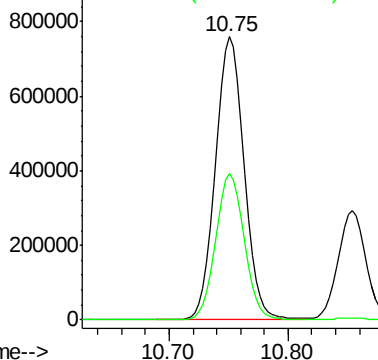
43 100

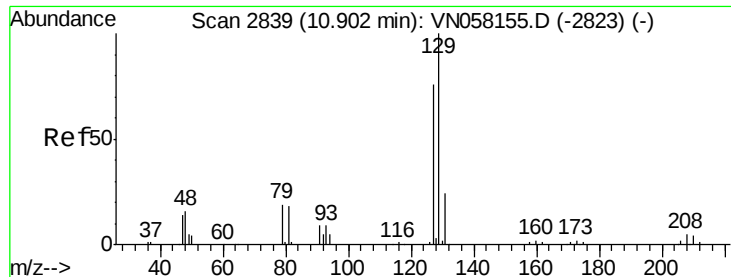
58 51.6 26.0 78.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#60

Dibromochloromethane

Concen: 56.970 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MSD

Tot Ion:129 Resp: 252887

Ion Ratio Lower Upper

129 100

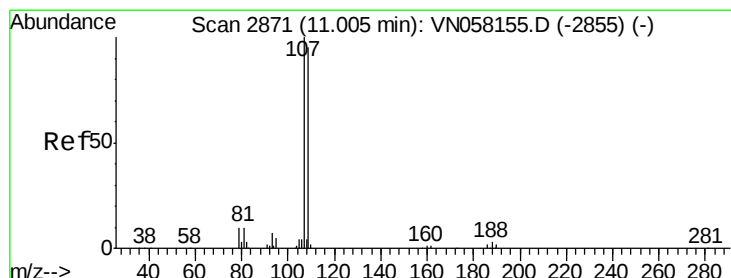
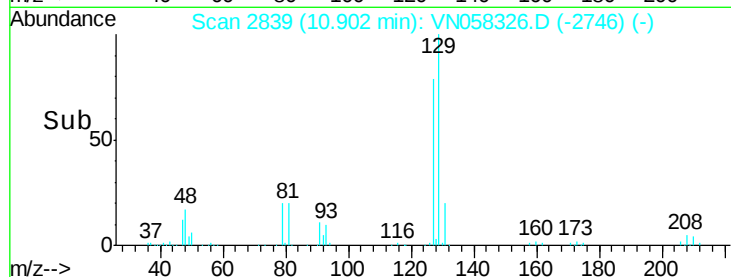
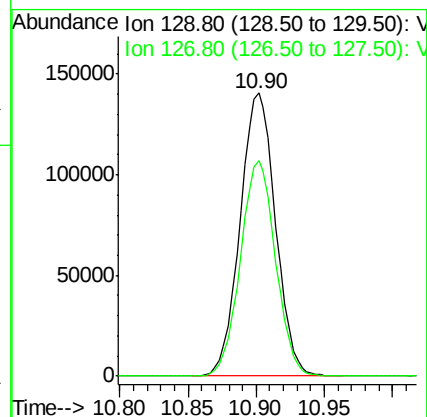
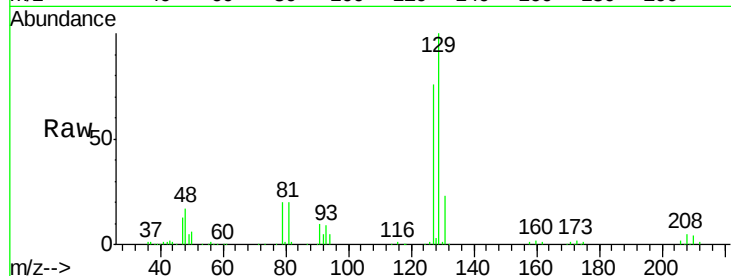
127 75.4 38.7 116.1

Manual Integrations

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#61

1,2-Dibromoethane

Concen: 53.020 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058326.D

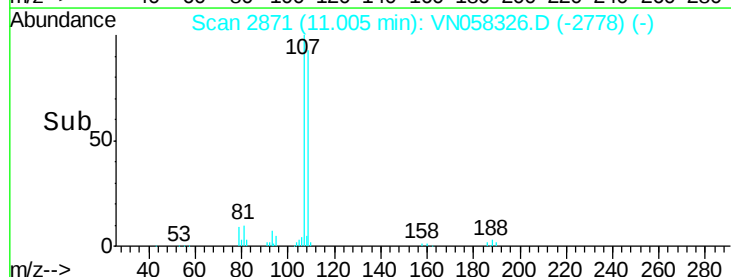
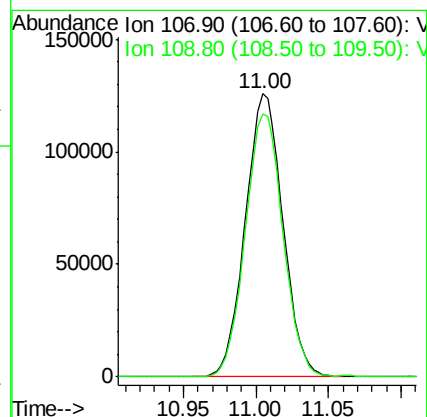
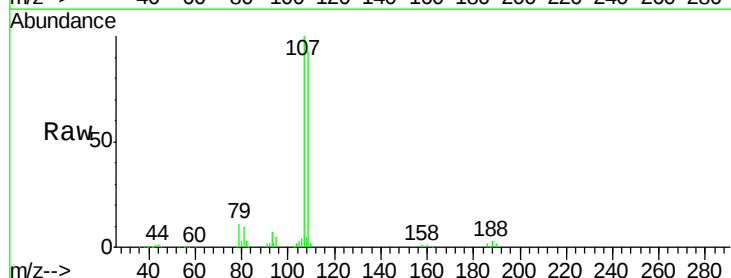
Acq: 24 Sep 2019 4:27

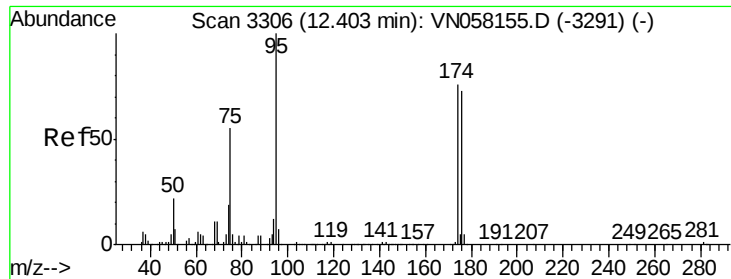
Tgt Ion:107 Resp: 226713

Ion Ratio Lower Upper

107 100

109 93.5 75.4 113.2





#62

4-Bromofluorobenzene

Concen: 50.433 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

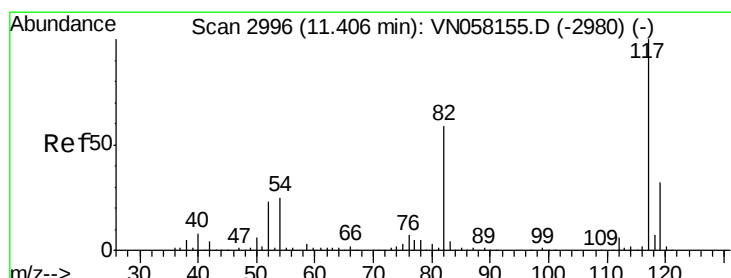
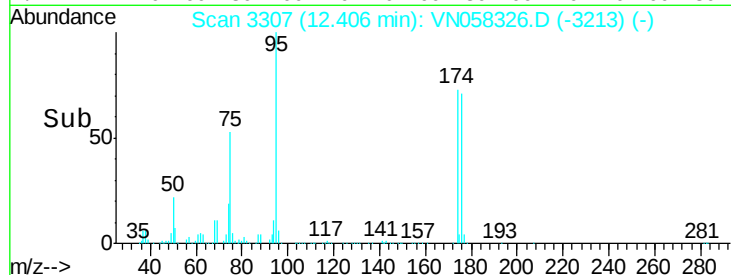
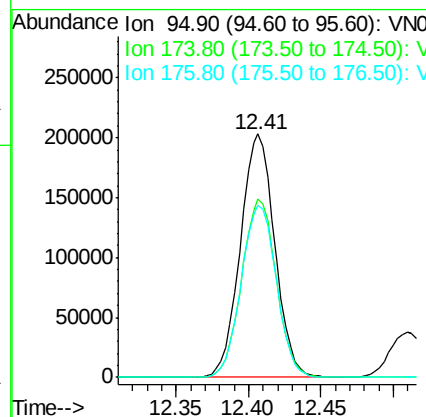
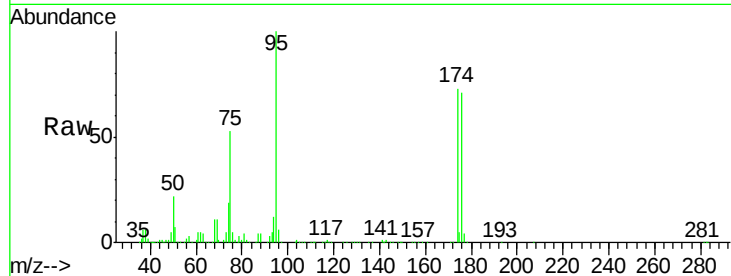
ClientSampleID :

S49-0520MSD

Tot Ion:	95	Resp:	334217
Ion Ratio	Lower	Upper	
95	100		
174	74.0	0.0	152.2
176	72.4	0.0	148.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

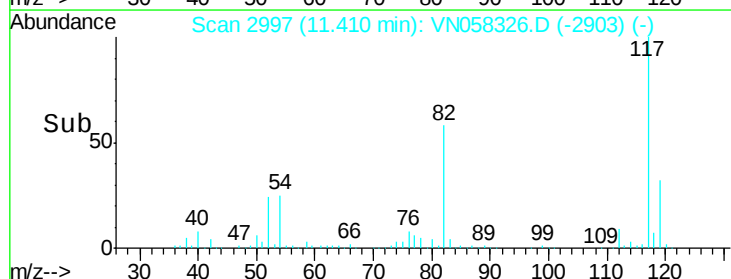
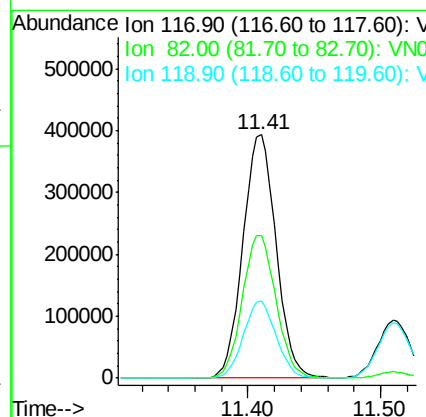
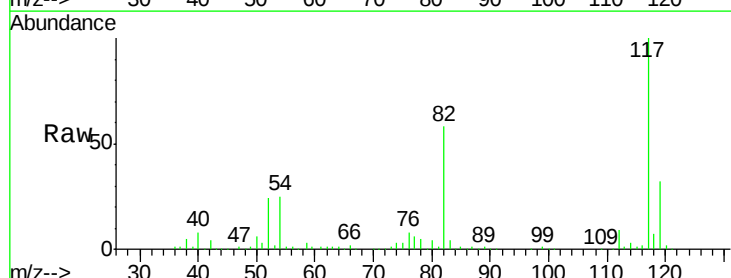
RT: 11.41 min Scan# 2997

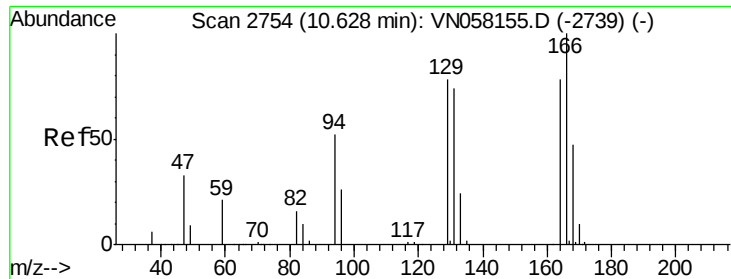
Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Tgt Ion:	117	Resp:	683356
Ion Ratio	Lower	Upper	
117	100		
82	58.5	46.9	70.3
119	31.5	25.3	37.9





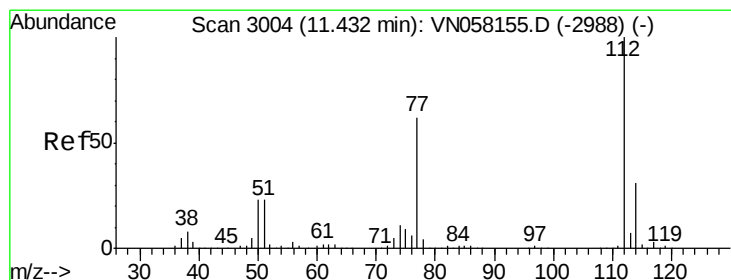
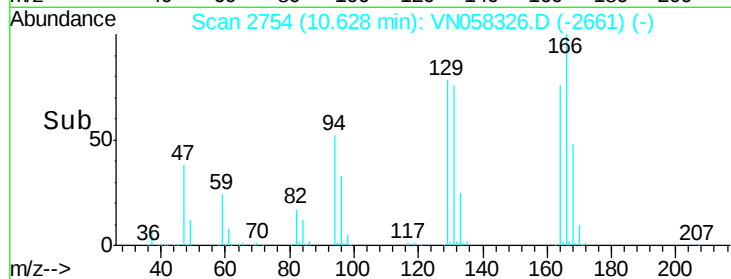
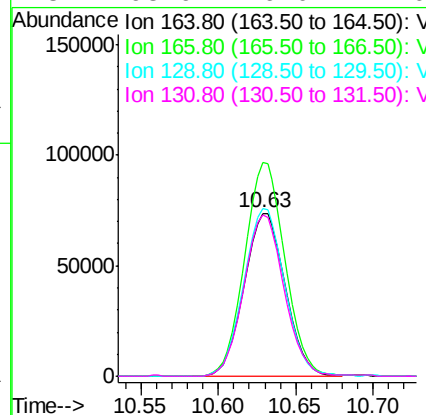
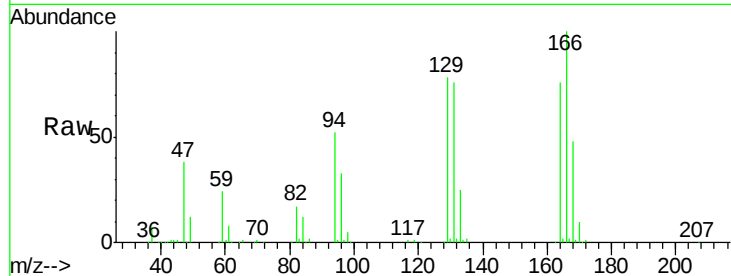
#64
Tetrachloroethene
Concen: 40.825 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Instrument :
MSVOA_N
ClientSampleId :
S49-0520MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	130.9	102.2	153.4
129	102.6	79.6	119.4
131	98.9	76.0	114.0

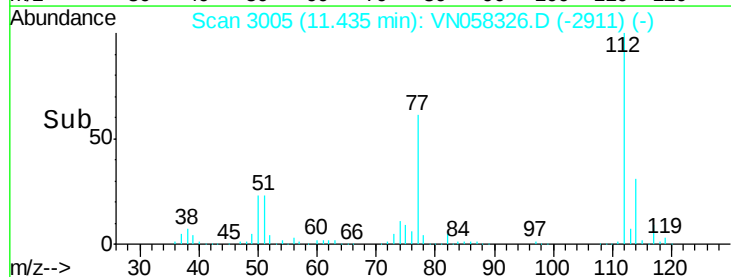
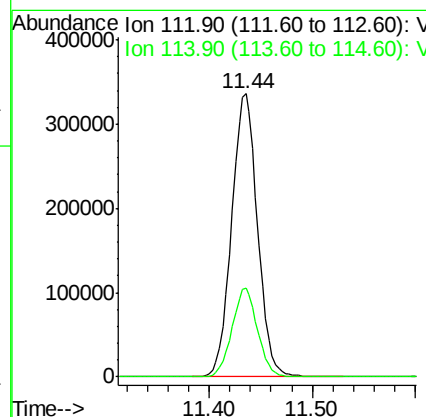
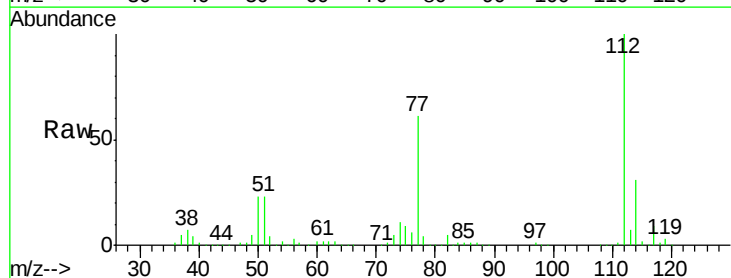
Manual Integrations
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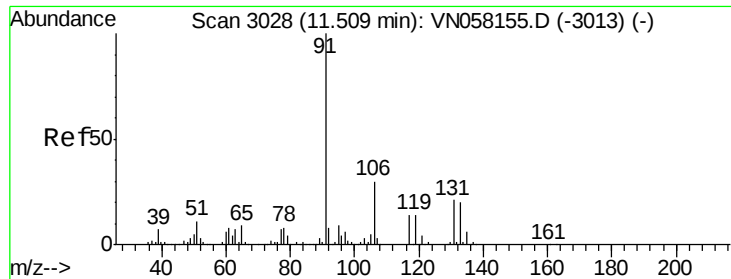
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#65
Chlorobenzene
Concen: 48.789 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.1	37.7





#66

1,1,1,2-Tetrachloroethane

Concen: 53.740 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

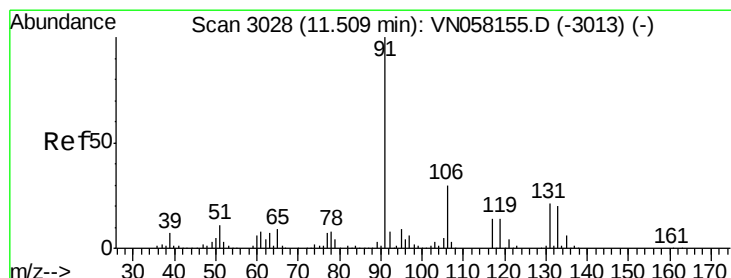
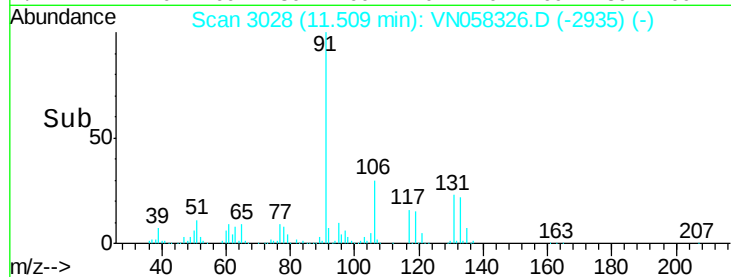
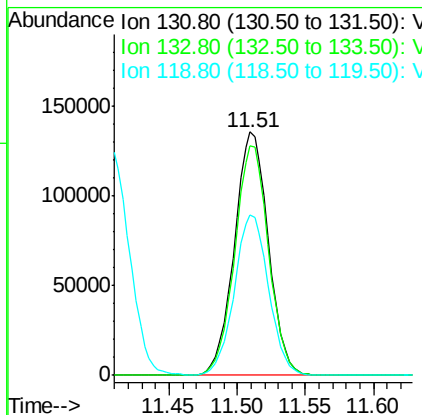
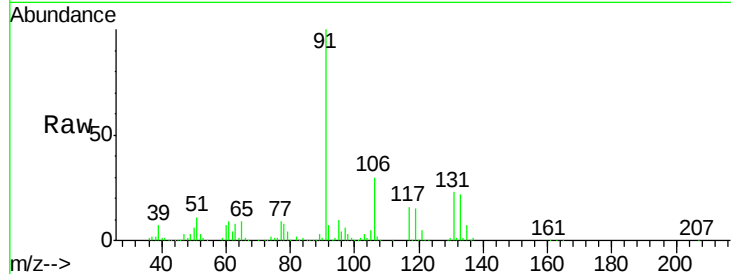
ClientSampleId :

S49-0520MSD

Tot Ion:	131	Resp:	234221
Ion Ratio	Lower	Upper	
131	100		
133	94.0	47.8	143.3
119	66.3	33.1	99.3

Manual Integrations
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#67

Ethyl Benzene

Concen: 49.627 ug/l

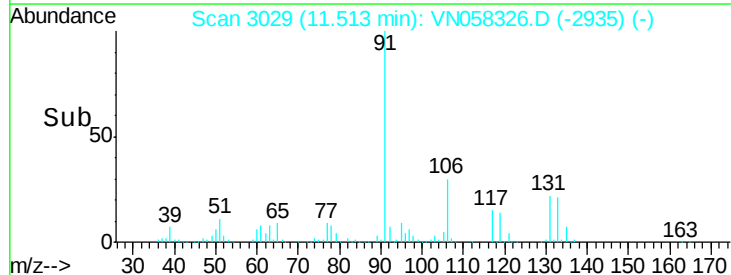
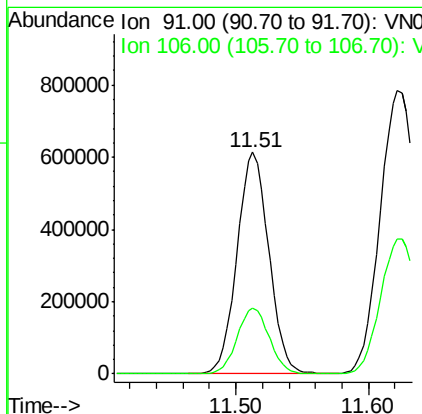
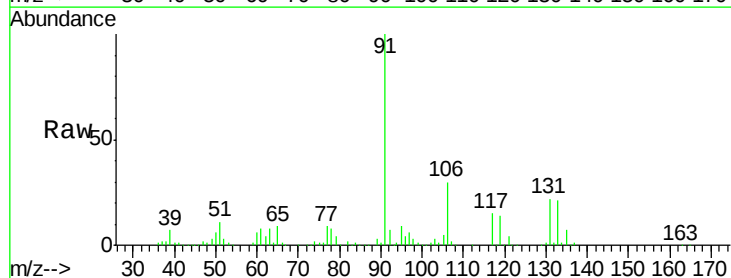
RT: 11.51 min Scan# 3029

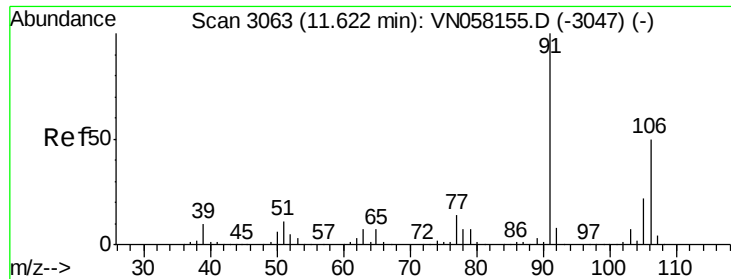
Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Tgt Ion:	91	Resp:	1022104
Ion Ratio	Lower	Upper	
91	100		
106	29.8	24.0	36.0





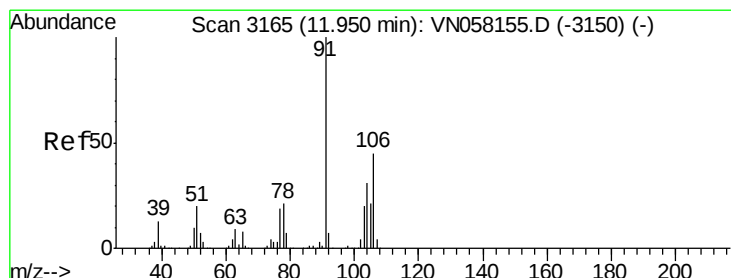
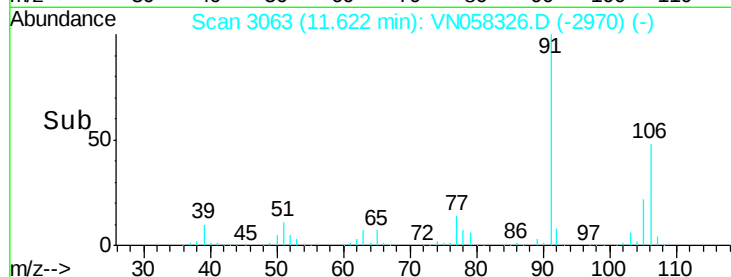
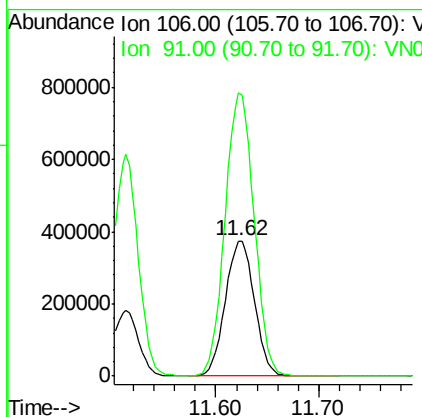
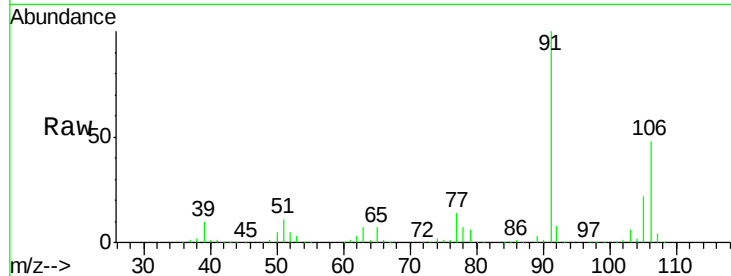
#68
m/p-Xylenes
Concen: 95.026 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Instrument :
MSVOA_N
ClientSampled :
S49-0520MSD

Tot Ion:106 Resp: 737118
Ion Ratio Lower Upper
106 100
91 209.0 163.6 245.4

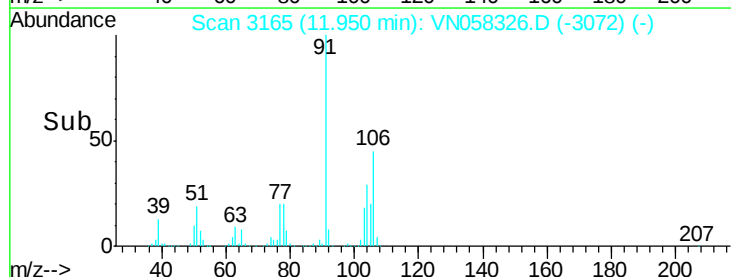
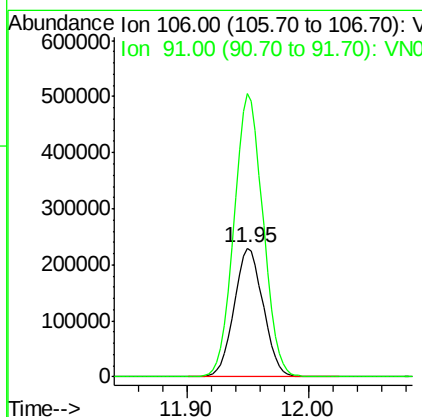
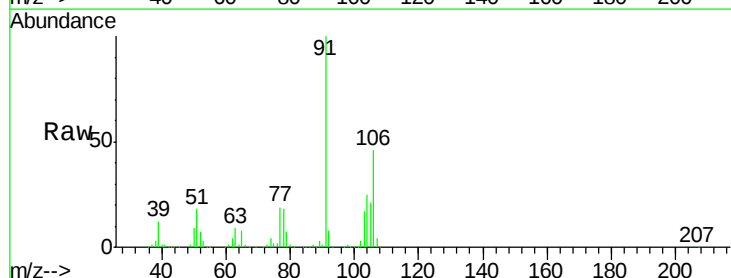
Manual Integrations
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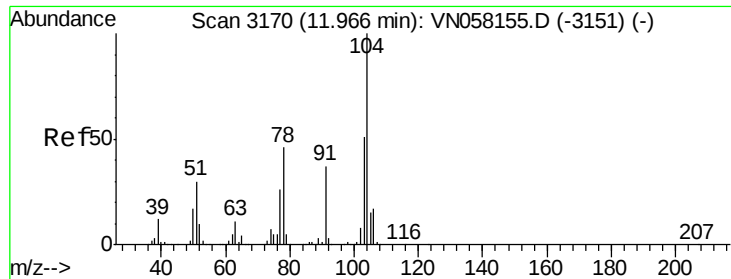
MMDadoda
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#69
o-Xylene
Concen: 49.738 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Tgt Ion:106 Resp: 379371
Ion Ratio Lower Upper
106 100
91 219.2 111.8 335.3





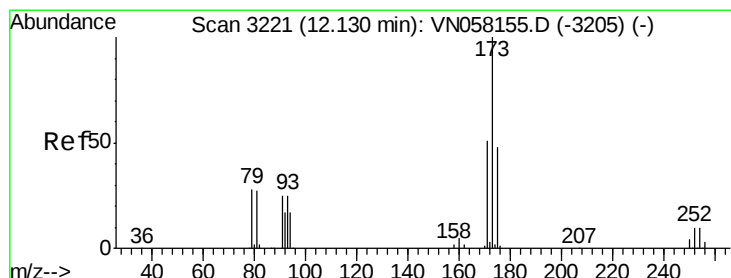
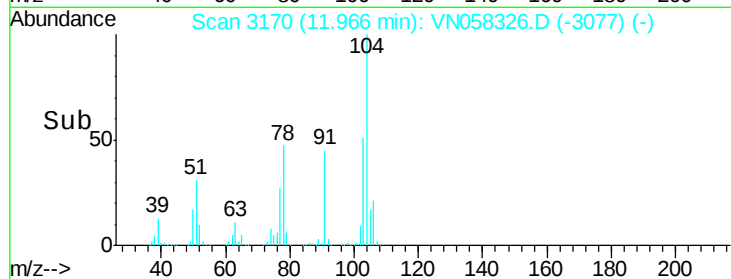
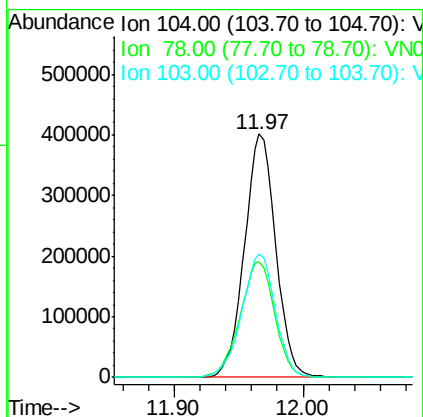
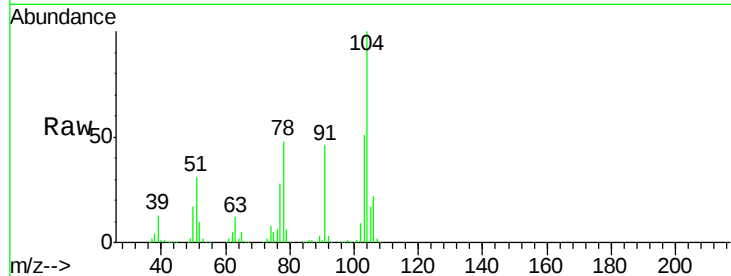
#70
Stvrene
Concen: 51.559 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Instrument :
MSVOA_N
ClientSampled :
S49-0520MSD

Tot Ion	Ratio	Resp	Lower	Upper
104	100	677574		
78	52.6		41.8	62.8
103	54.5		44.2	66.2

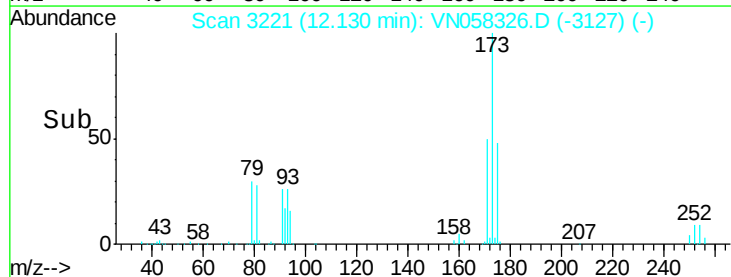
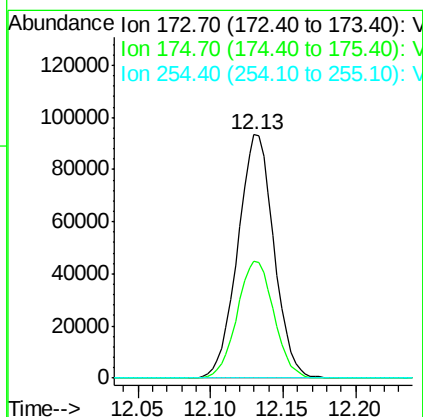
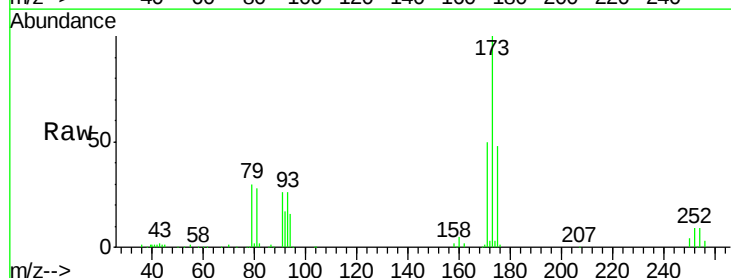
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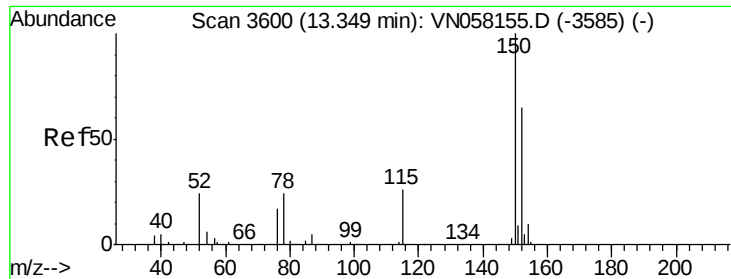
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#71
Bromoform
Concen: 49.988 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	161524		
175	48.8		24.2	72.6
254	0.0		0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

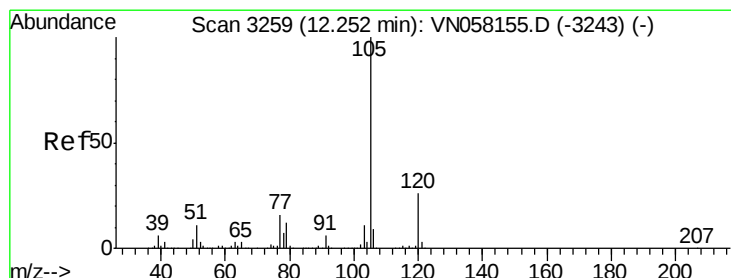
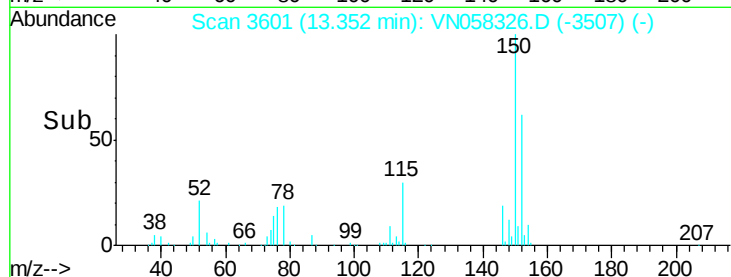
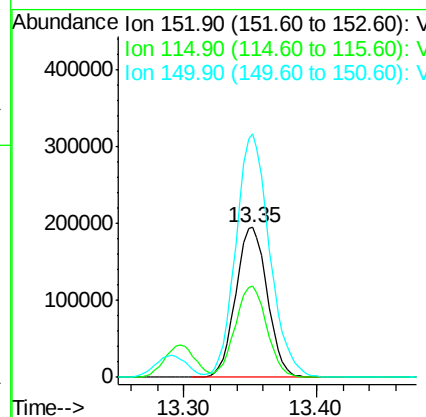
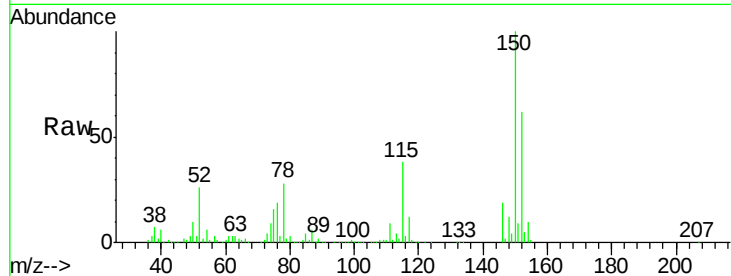
ClientSampled :

S49-0520MSD

Tot Ion:	152	Resp:	324157
Ion Ratio	Lower	Upper	
152	100		
115	61.1	30.1	90.3
150	172.3	0.0	346.4

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#73

Isopropylbenzene

Concen: 50.570 ug/l

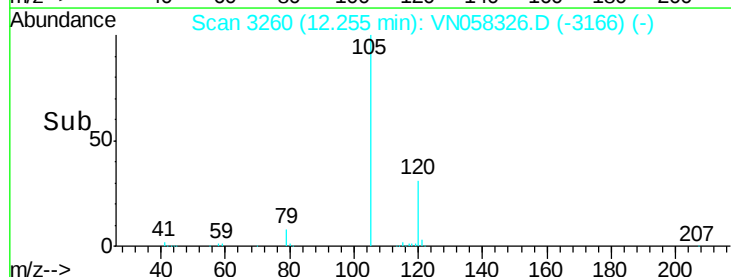
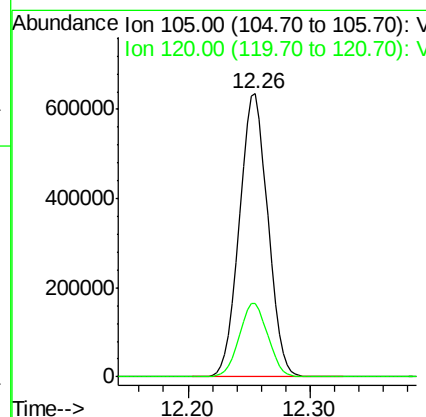
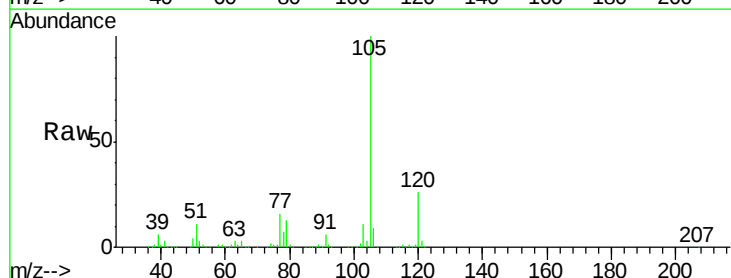
RT: 12.26 min Scan# 3260

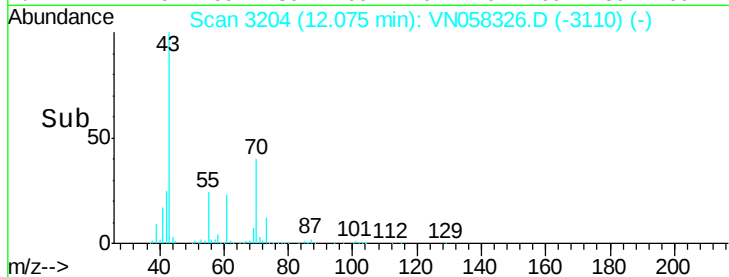
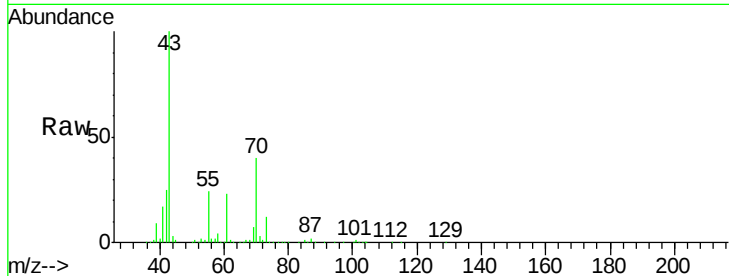
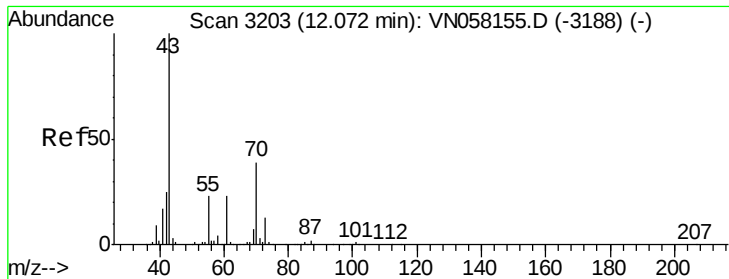
Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Tgt Ion:	105	Resp:	1026068
Ion Ratio	Lower	Upper	
105	100		
120	26.1	12.8	38.3





#74

N-amvl acetate

Concen: 59.849 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		508015		
70	39.3	31.0	46.6		
55	24.0	18.5	27.7		
61	22.6	18.2	27.2		

Instrument :

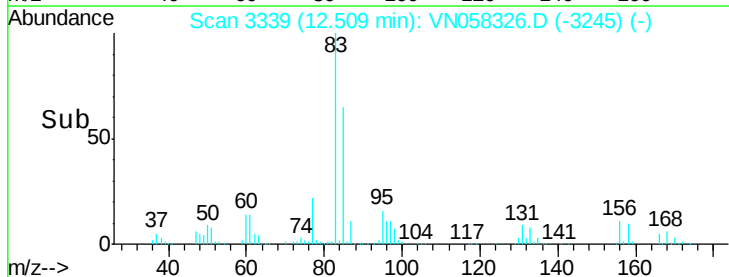
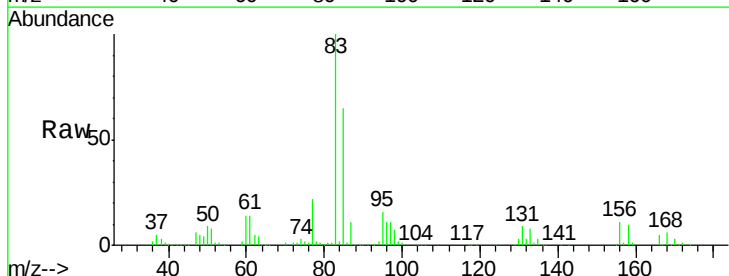
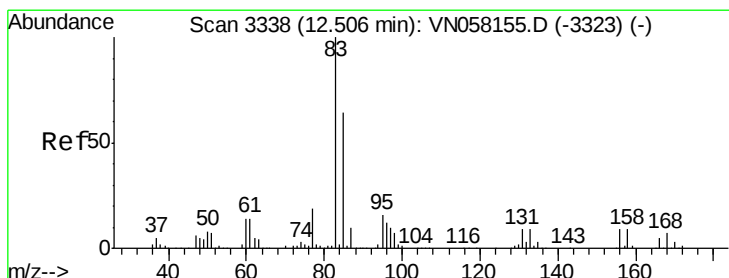
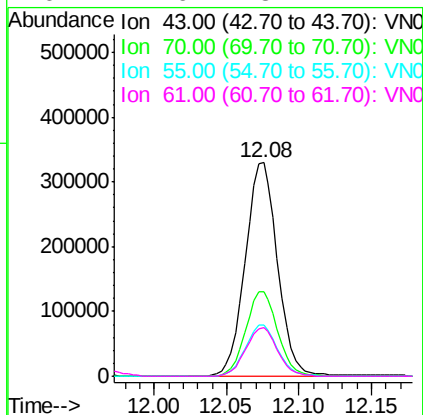
MSVOA_N

ClientSampled :

S49-0520MSD

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#75

1,1,2,2-Tetrachloroethane

Concen: 58.183 ug/l

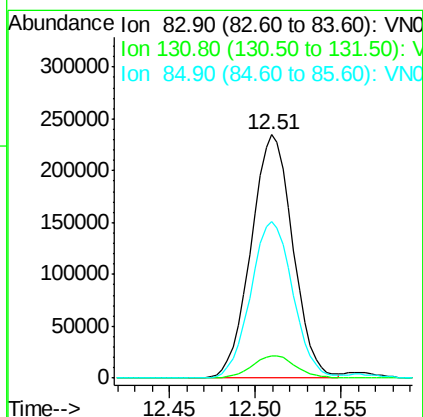
RT: 12.51 min Scan# 3339

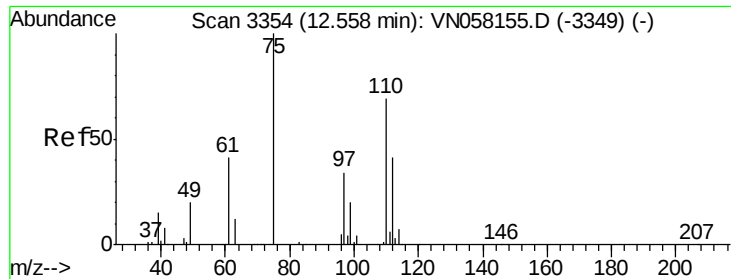
Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		395334		
131	9.6	4.8	14.3		
85	64.8	31.9	95.5		





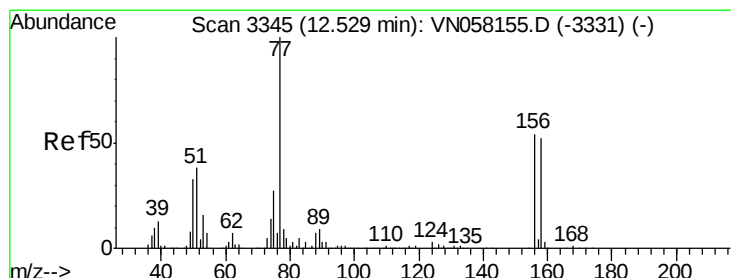
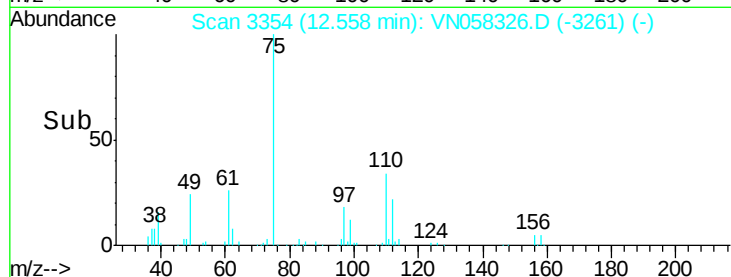
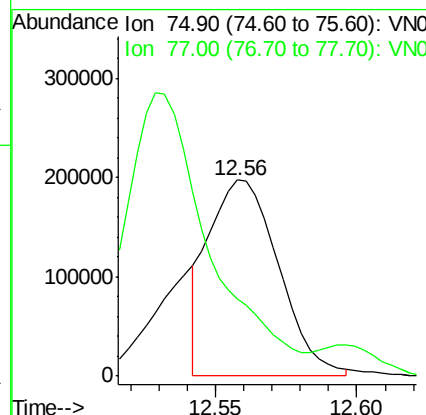
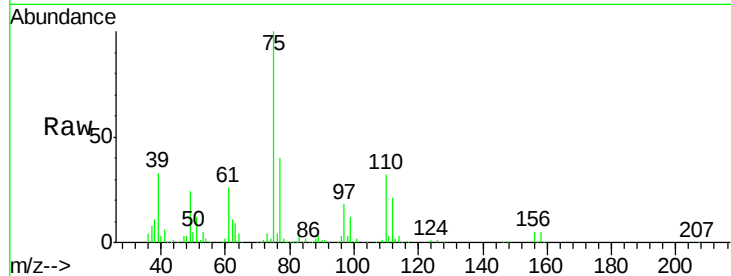
#76
 1,2,3-Trichloropropane
 Concen: 58.857 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MSD

Tot Ion: 75 Resp: 341453
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

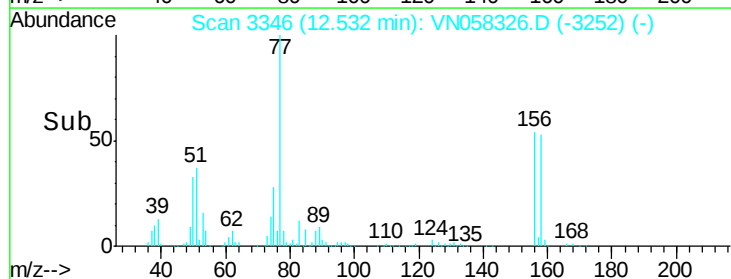
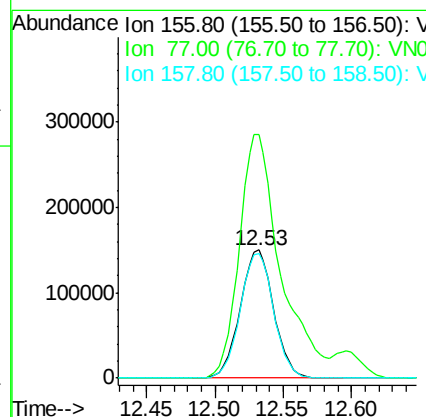
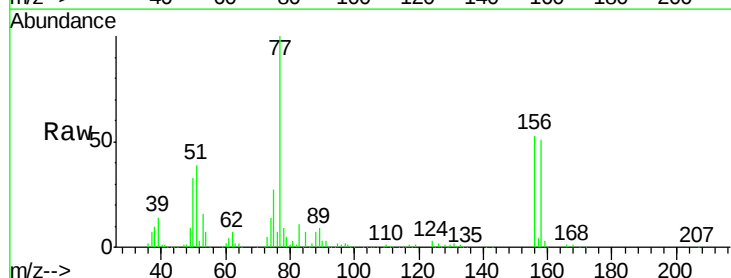
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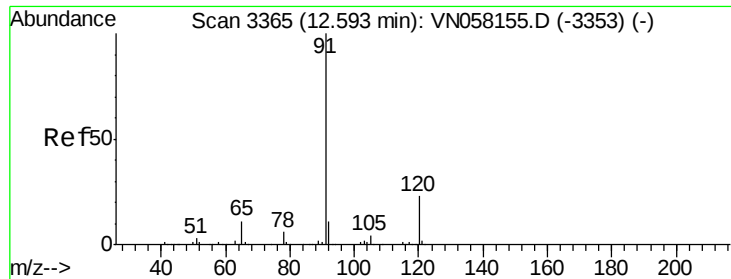
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#77
 Bromobenzene
 Concen: 49.905 ug/l
 RT: 12.53 min Scan# 3346
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Tgt Ion: 156 Resp: 254709
 Ion Ratio Lower Upper
 156 100
 77 235.0 111.7 335.1
 158 97.2 47.9 143.8





#78

n-propylbenzene

Concen: 51.834 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MSD

Tot Ion: 91 Resp: 1195118

Ion Ratio Lower Upper

91 100

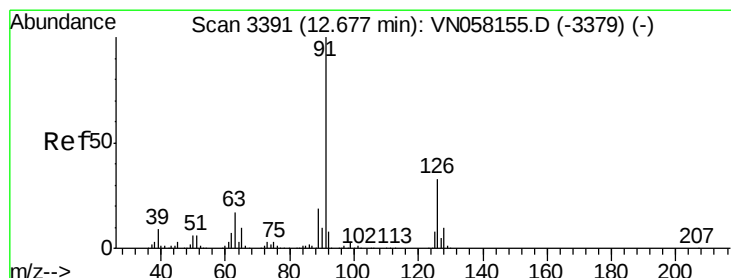
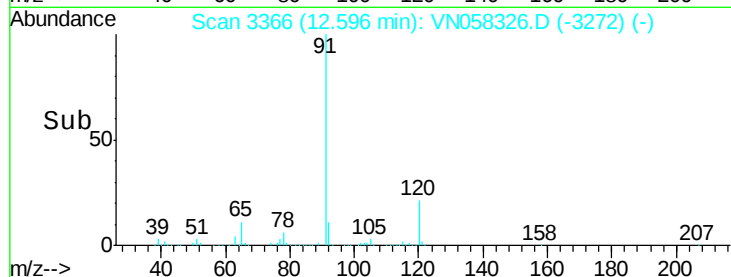
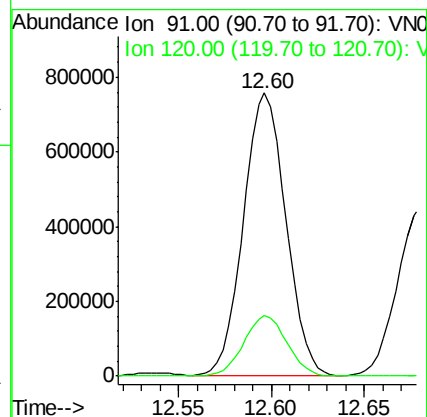
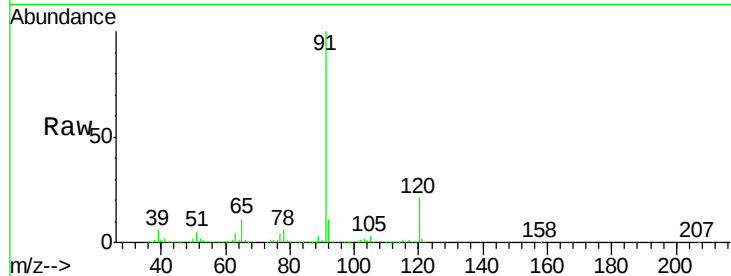
120 21.8 11.1 33.3

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#79

2-Chlorotoluene

Concen: 51.699 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058326.D

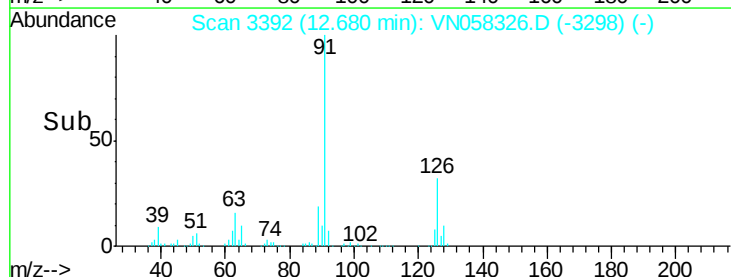
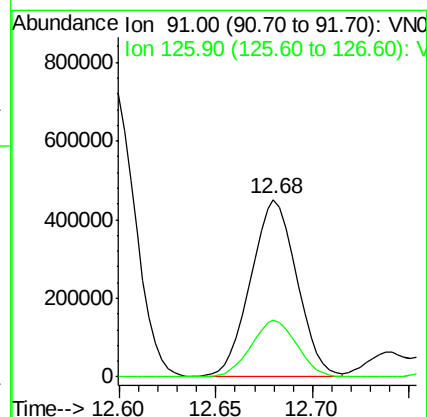
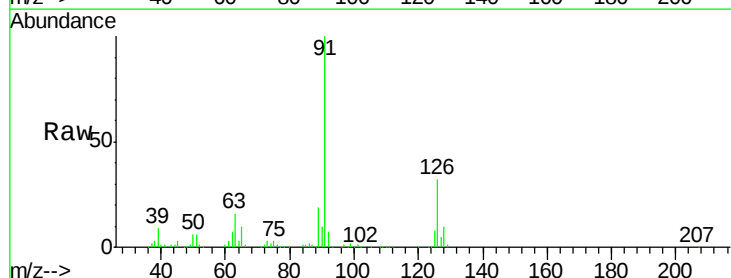
Acq: 24 Sep 2019 4:27

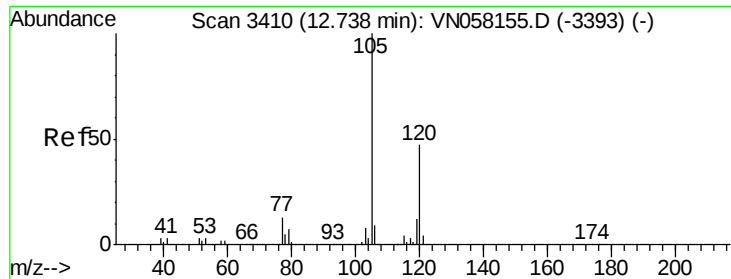
Tgt Ion: 91 Resp: 744965

Ion Ratio Lower Upper

91 100

126 32.1 16.4 49.1





#80

1,3,5-Trimethylbenzene

Concen: 51.868 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MSD

Tot Ion:105 Resp: 889941

Ion Ratio Lower Upper

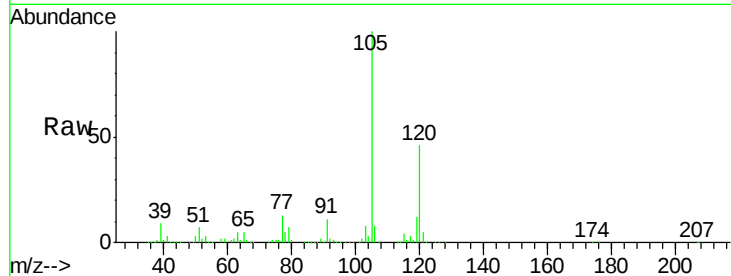
105 100

120 47.1 23.4 70.0

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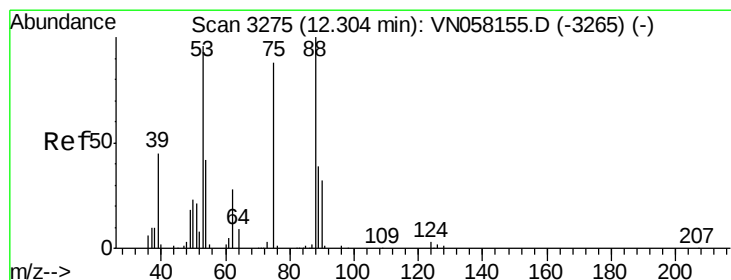
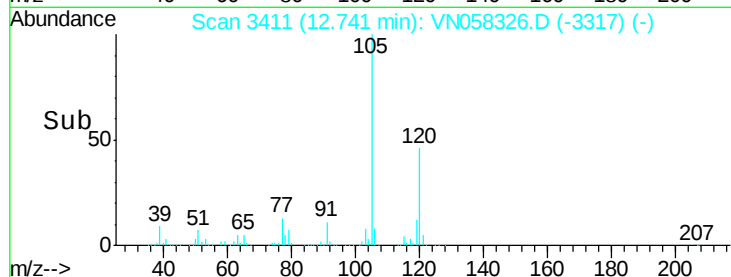
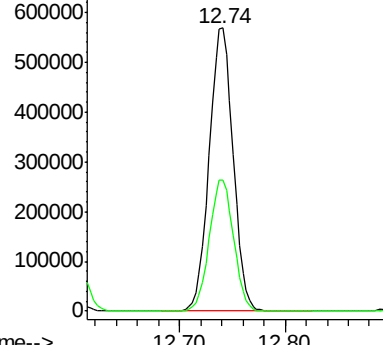
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 46.753 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

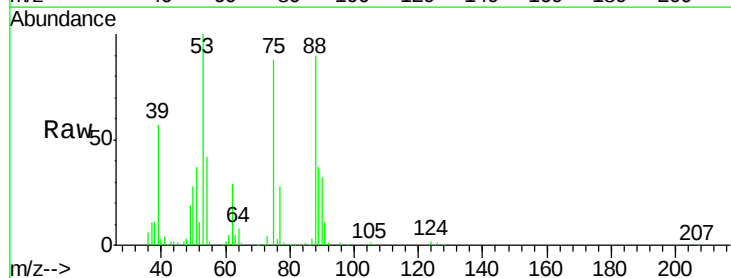
Tgt Ion: 75 Resp: 90306

Ion Ratio Lower Upper

75 100

53 110.0 90.1 135.1

89 42.2 36.2 54.2

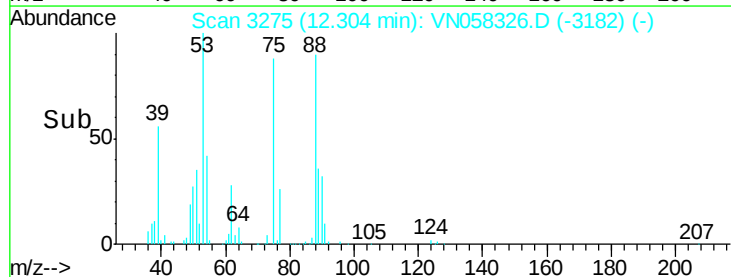
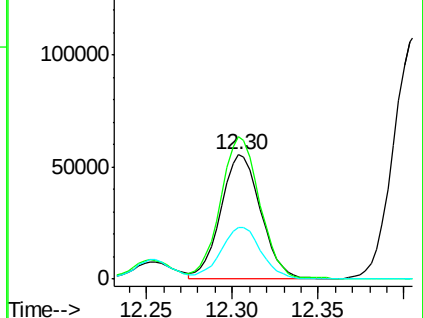


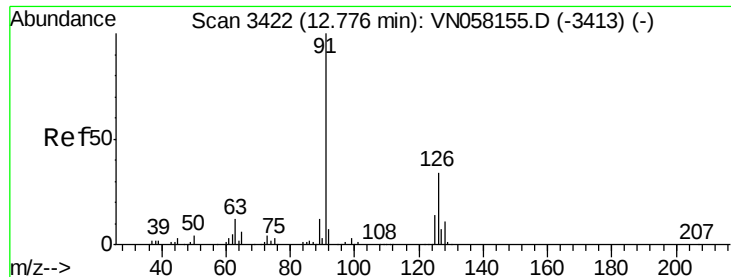
Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

12.30





#82

4-Chlorotoluene

Concen: 51.340 ug/l

RT: 12.78 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

ClientSampleId :

S49-0520MSD

Tot Ion: 91 Resp: 777657

Ion Ratio Lower Upper

91 100

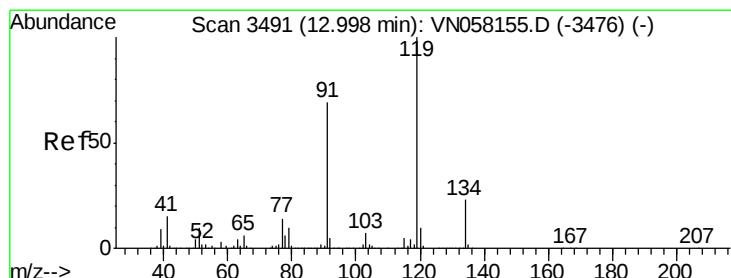
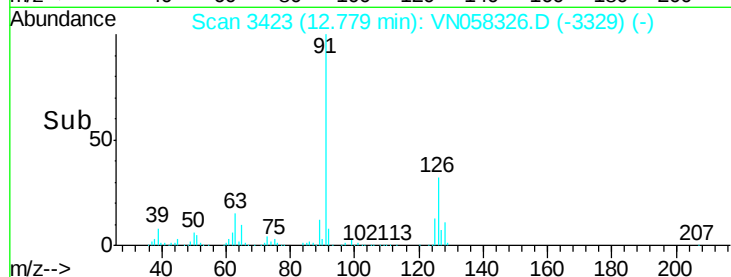
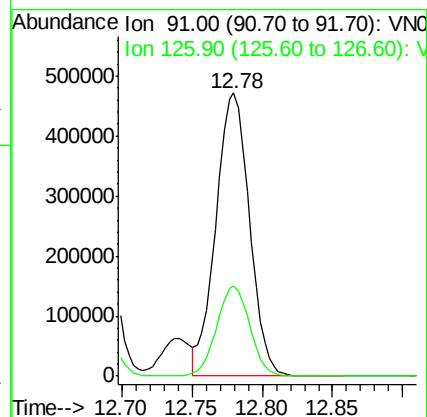
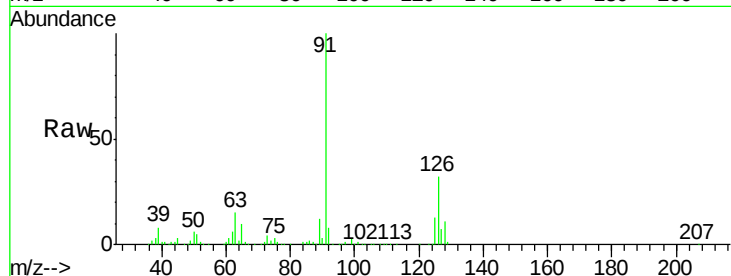
126 31.4 15.7 47.1

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#83

tert-Butylbenzene

Concen: 50.318 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

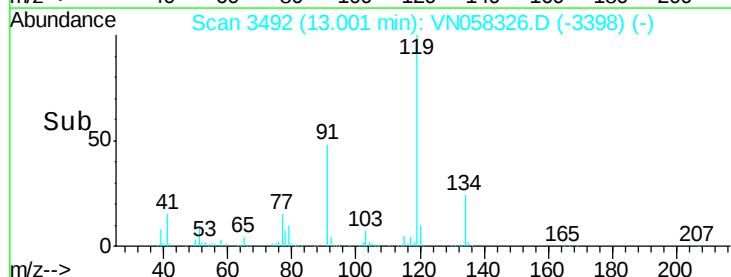
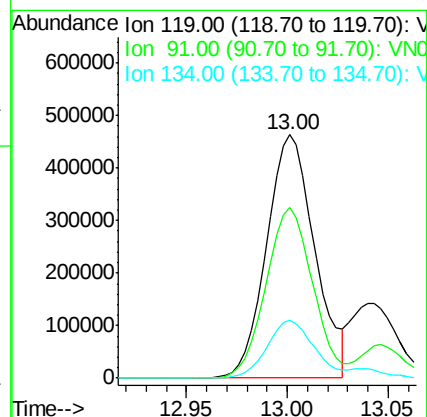
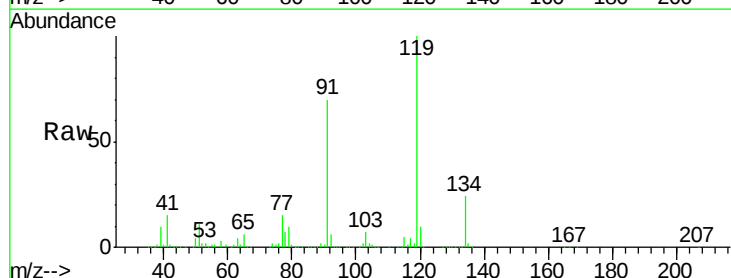
Tgt Ion: 119 Resp: 769912

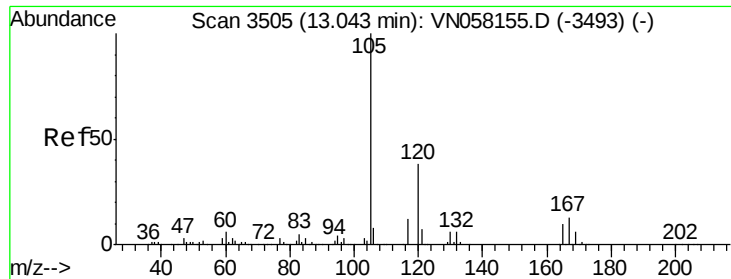
Ion Ratio Lower Upper

119 100

91 68.3 33.8 101.3

134 23.5 11.6 34.8





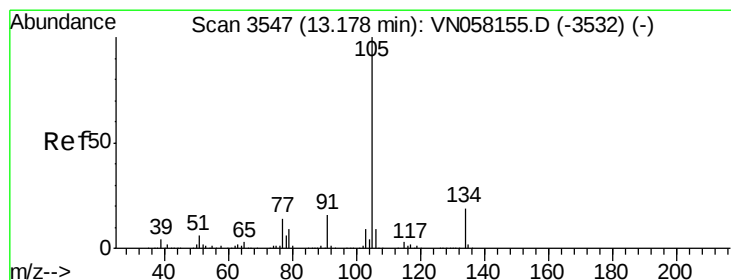
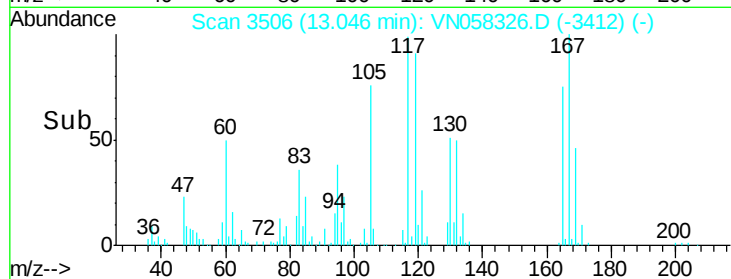
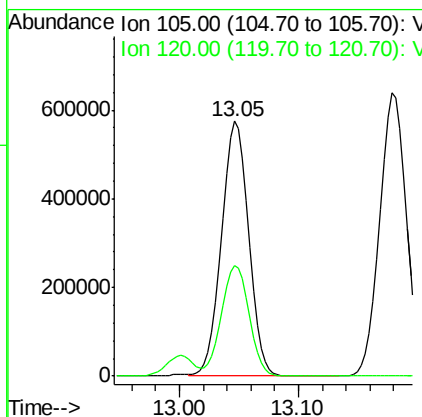
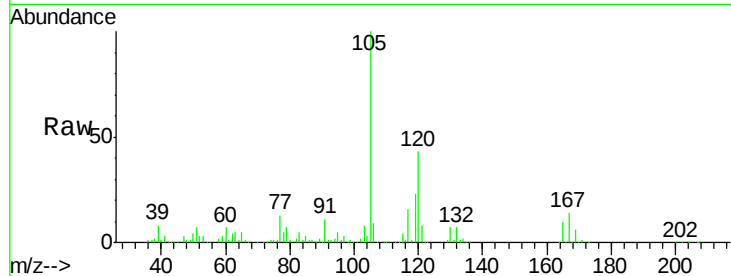
#84
 1,2,4-Trimethylbenzene
 Concen: 53.296 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MSD

Tot Ion:105 Resp: 910014
 Ion Ratio Lower Upper
 105 100
 120 44.4 22.1 66.5

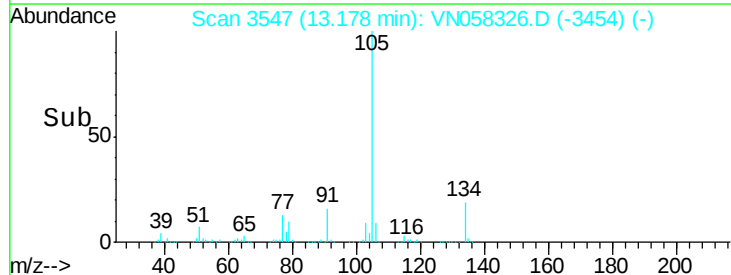
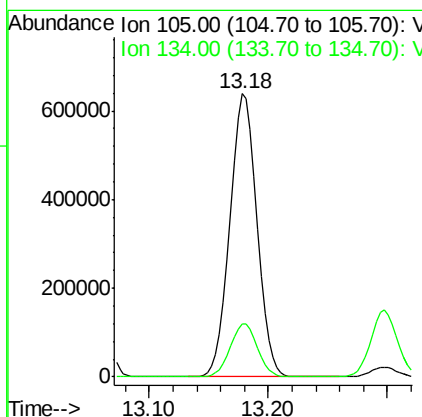
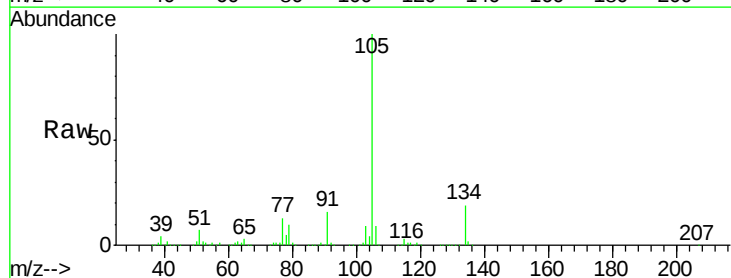
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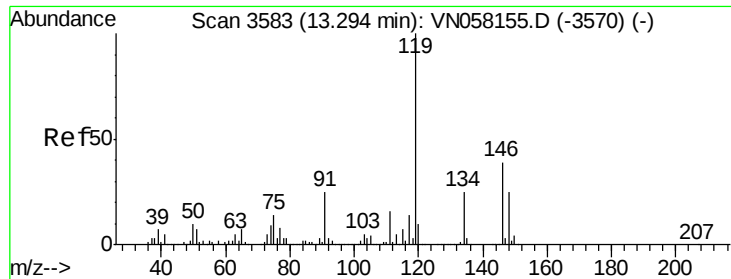
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#85
 sec-Butylbenzene
 Concen: 50.226 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Tgt Ion:105 Resp: 1004946
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.5 28.5





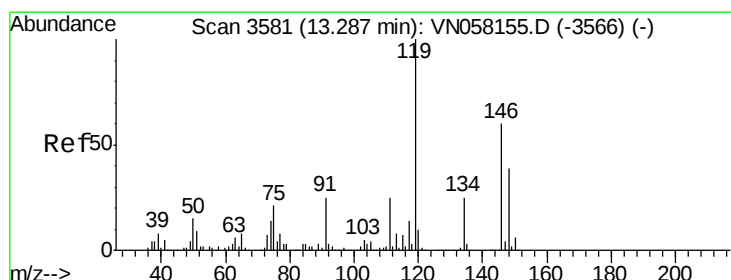
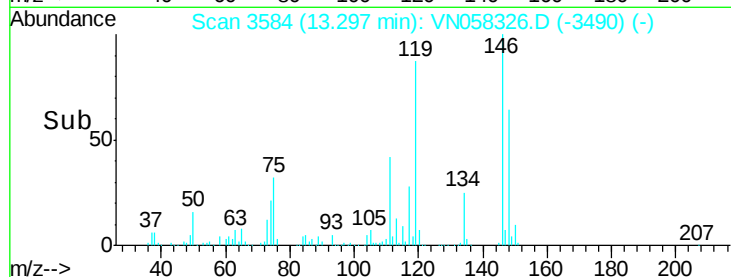
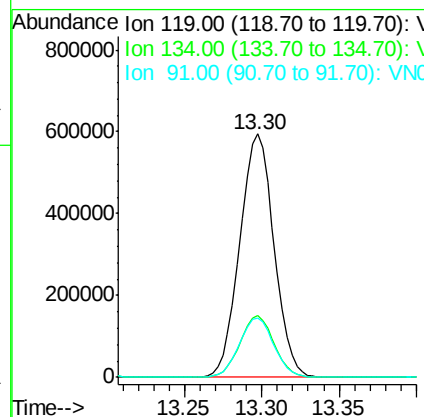
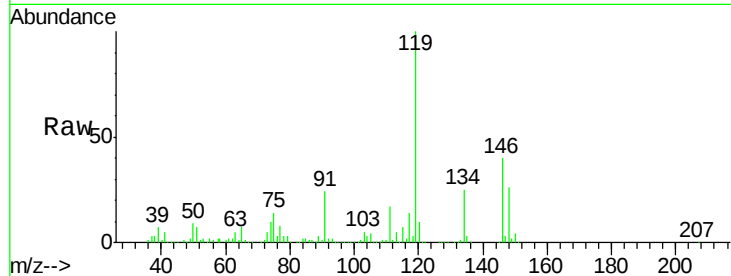
#86
 p-Isopropyltoluene
 Concen: 51.210 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	910911		
134	25.3	12.7	38.0	
91	24.6	12.3	36.8	

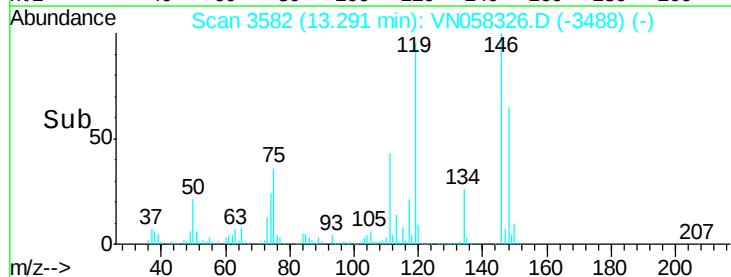
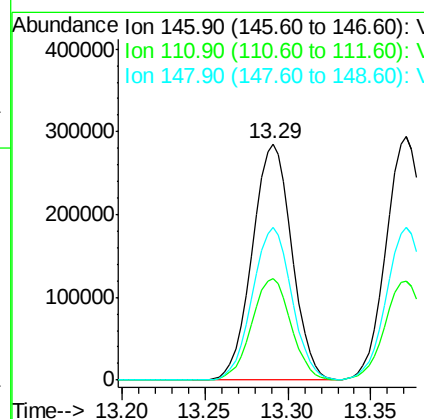
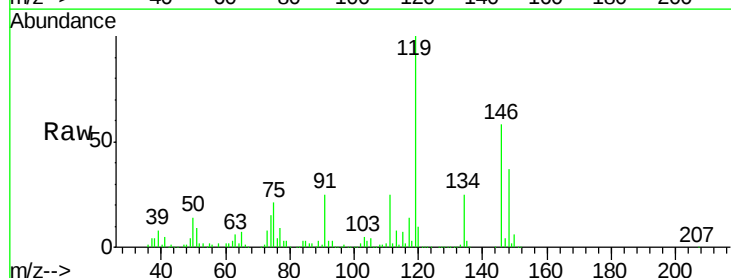
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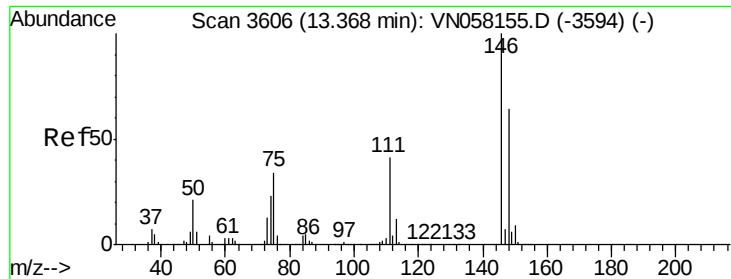
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#87
 1,3-Dichlorobenzene
 Concen: 50.856 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	474081		
111	42.8	20.9	62.8	
148	64.6	32.0	96.2	





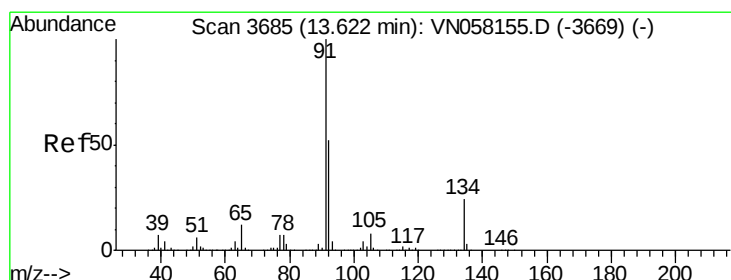
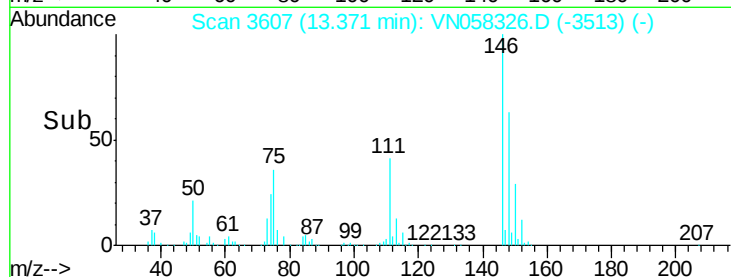
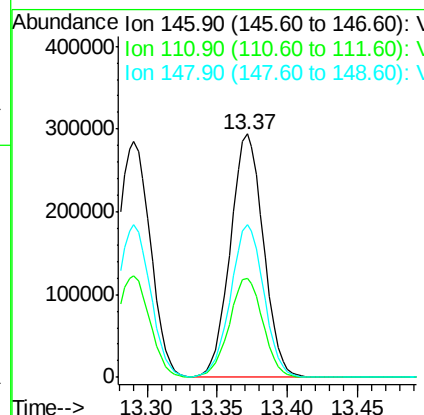
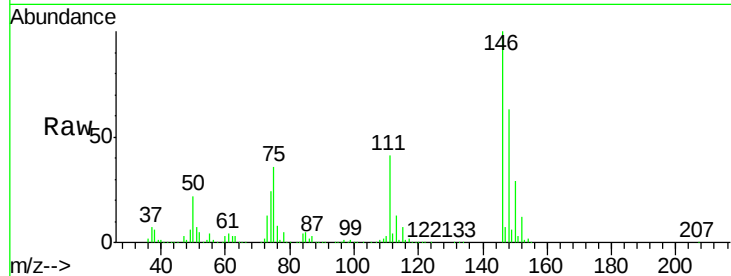
#88
 1,4-Dichlorobenzene
 Concen: 50.713 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	482641		
111	41.3	20.5	61.5	
148	62.7	31.9	95.5	

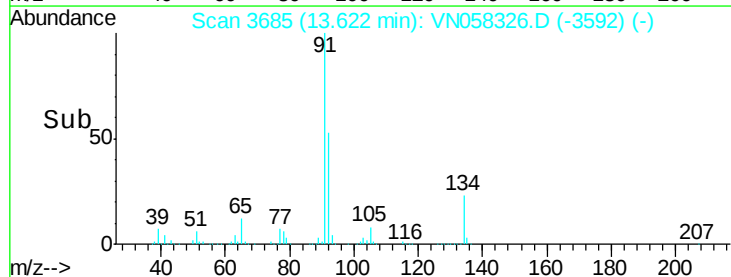
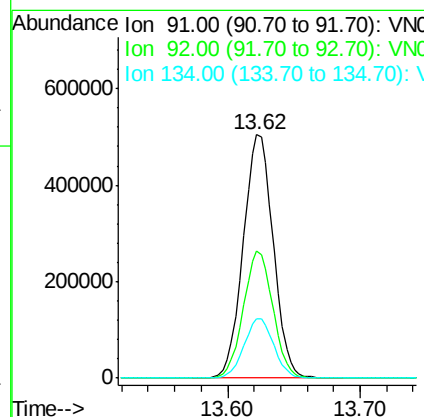
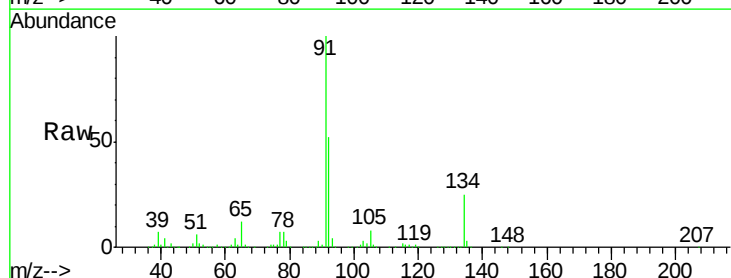
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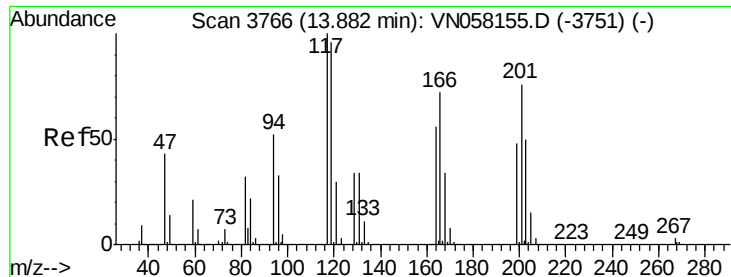
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#89
 n-Butylbenzene
 Concen: 47.014 ug/l
 RT: 13.62 min Scan# 3685
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	792866		
92	51.3	25.7	77.0	
134	24.2	11.8	35.4	





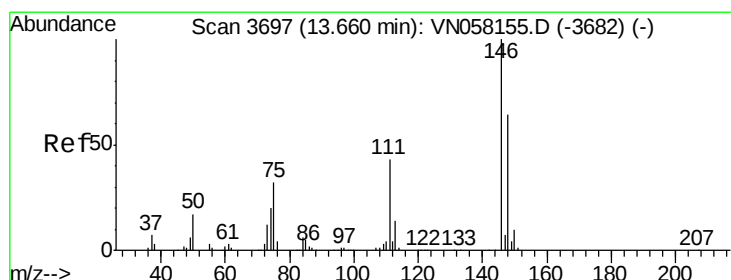
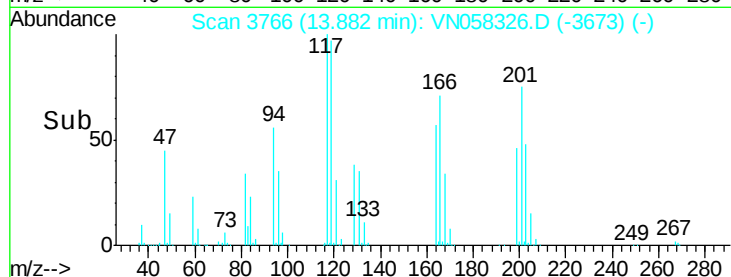
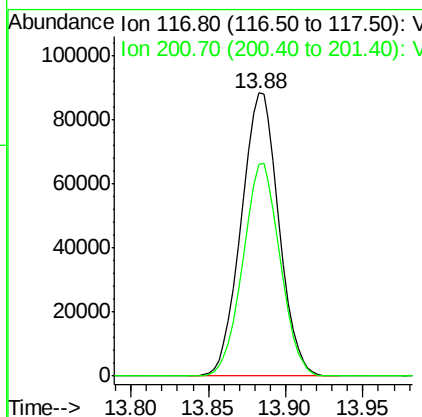
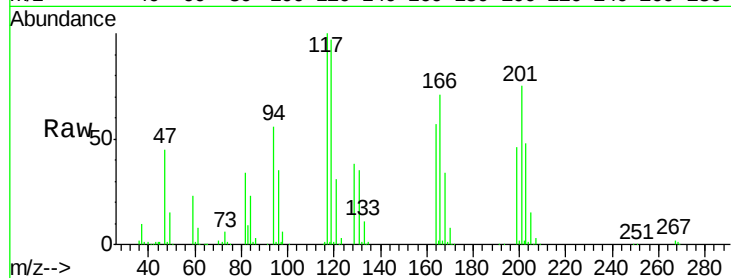
#90
Hexachloroethane
Concen: 48.063 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Instrument :
MSVOA_N
ClientSampled :
S49-0520MSD

Tot Ion:117 Resp: 149557
Ion Ratio Lower Upper
117 100
201 74.0 37.5 112.5

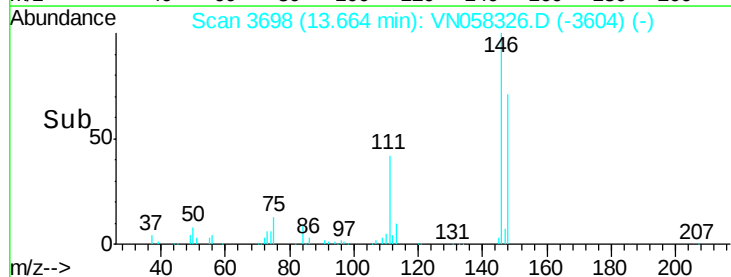
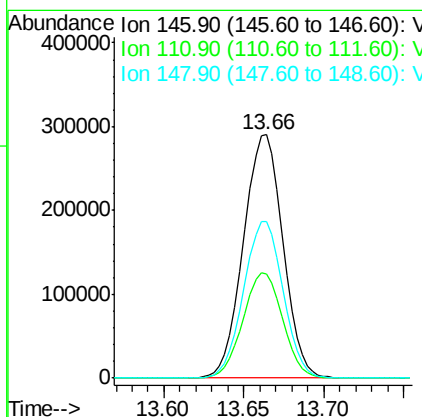
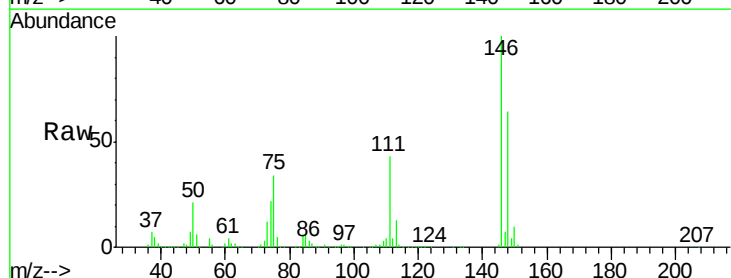
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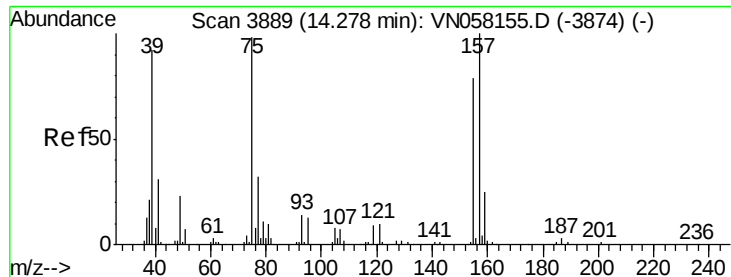
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#91
1,2-Dichlorobenzene
Concen: 52.519 ug/l
RT: 13.66 min Scan# 3698
Delta R.T. 0.00 min
Lab File: VN058326.D
Acq: 24 Sep 2019 4:27

Tgt Ion:146 Resp: 491114
Ion Ratio Lower Upper
146 100
111 43.3 21.1 63.1
148 64.2 31.8 95.4





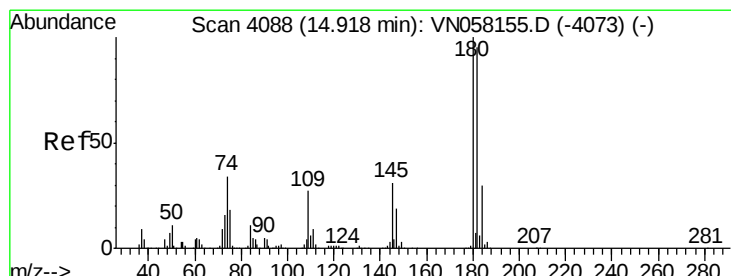
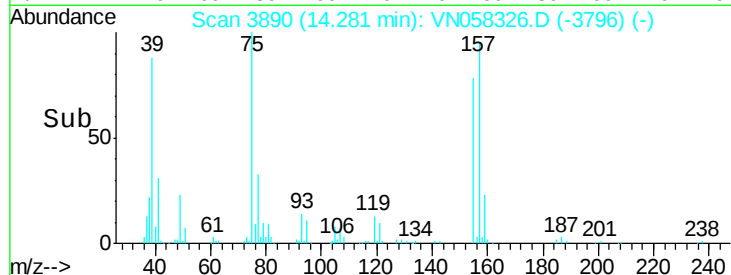
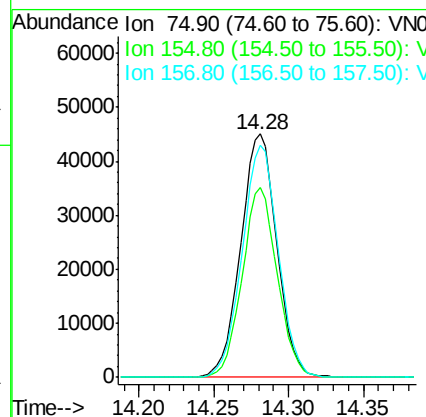
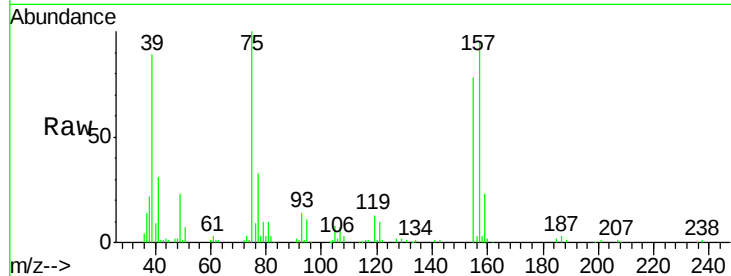
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 61.949 ug/l
 RT: 14.28 min Scan# 3890
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	75.6	38.3	114.8
157	95.1	48.0	144.0

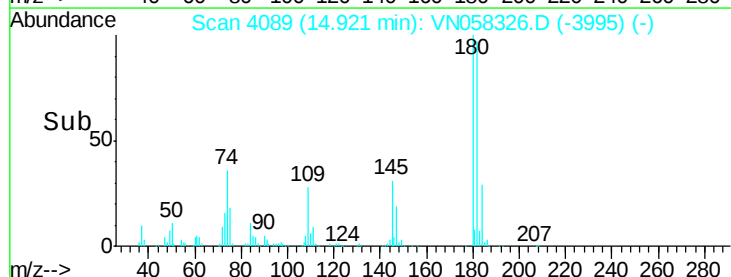
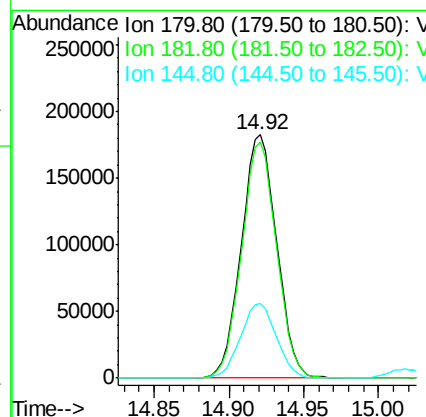
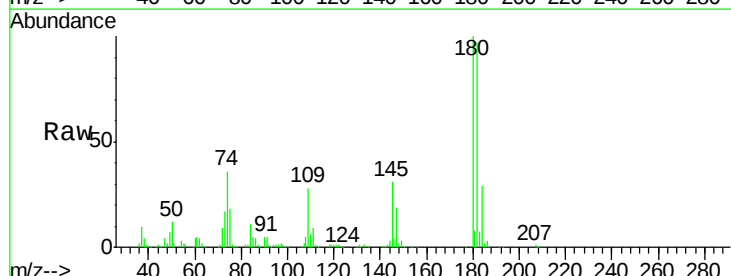
Manual Integrations
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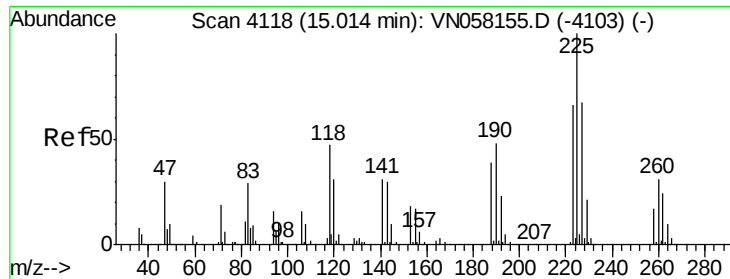
MMDadoda
 9/25/2019 12:49:52 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 50.295 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.8	143.3
145	31.0	15.4	46.4





#94

Hexachlorobutadiene

Concen: 40.559 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058326.D

Acq: 24 Sep 2019 4:27

Instrument :

MSVOA_N

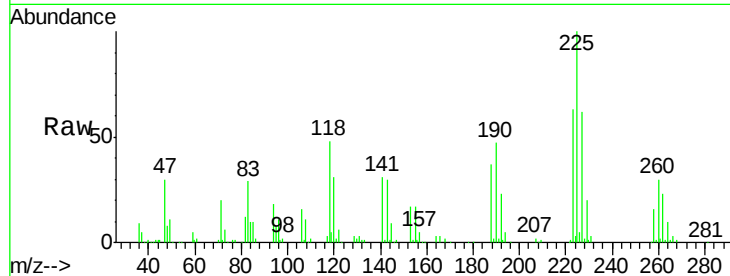
ClientSampleId :

S49-0520MSD

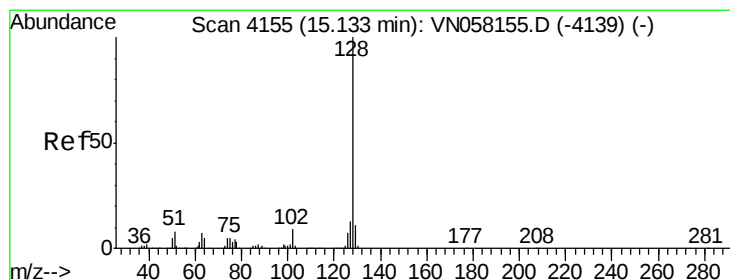
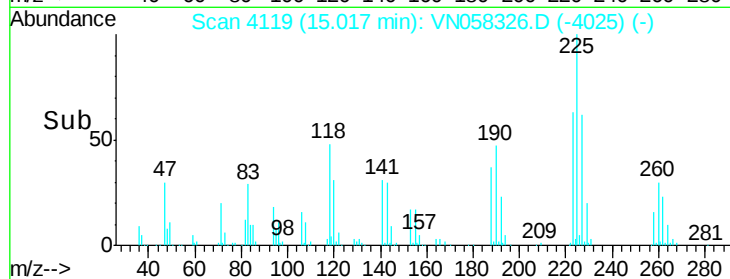
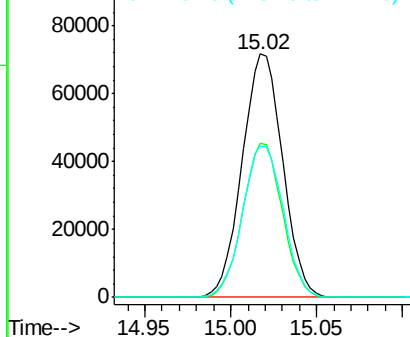
Tot Ion:	225	Resp:	117124
Ion Ratio		Lower	Upper
225	100		
223	61.4	32.6	97.7
227	62.8	33.0	99.0

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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 60.586 ug/l

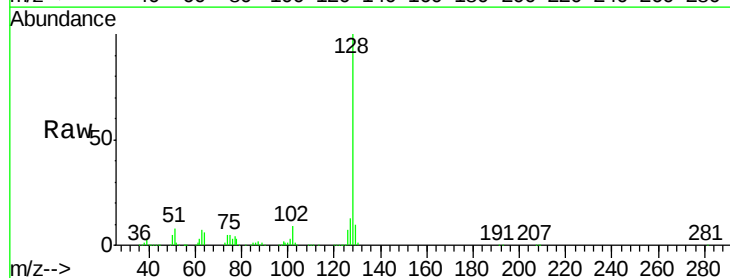
RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

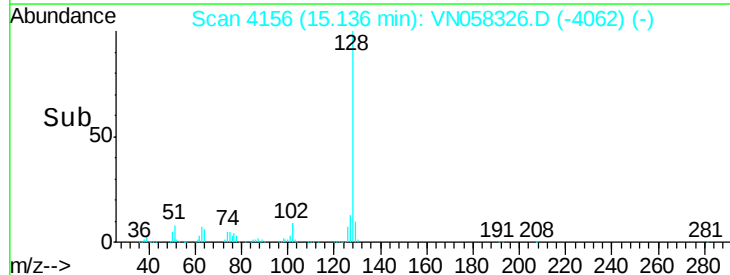
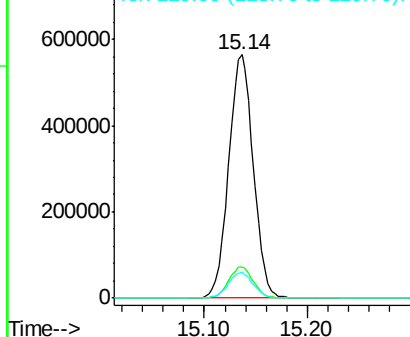
Lab File: VN058326.D

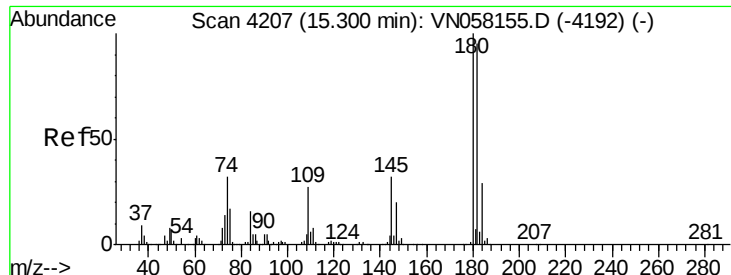
Acq: 24 Sep 2019 4:27

Tgt Ion:	128	Resp:	938093
Ion Ratio		Lower	Upper
128	100		
127	12.8	10.2	15.2
129	10.7	8.6	12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 53.073 ug/l
 RT: 15.30 min Scan# 4208
 Delta R.T. 0.00 min
 Lab File: VN058326.D
 Acq: 24 Sep 2019 4:27

Instrument :
 MSVOA_N
 ClientSampleId :
 S49-0520MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.1	47.4	142.2
145	31.6	16.1	48.2

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