

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112019\
 Data File : VN059326.D
 Acq On : 20 Nov 2019 17:18
 Operator : JC/SP
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112019

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 9:58:51 AM

Quant Time: Nov 21 08:51:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 21 08:44:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	393718	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	619519	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	564090	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	269187	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	227805	48.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.44%	
35) Dibromofluoromethane	7.57	113	177996	47.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.78%	
50) Toluene-d8	10.08	98	732817	49.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.20%	
62) 4-Bromofluorobenzene	12.40	95	263903	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	261093	51.799	ug/l	98
3) Chloromethane	2.04	50	316327	51.228	ug/l	100
4) Vinyl Chloride	2.17	62	338242	53.204	ug/l	100
5) Bromomethane	2.54	94	181047	51.294	ug/l	98
6) Chloroethane	2.68	64	170993	49.282	ug/l	98
7) Trichlorofluoromethane	3.00	101	333983	48.784	ug/l	99
8) Diethyl Ether	3.38	74	144349	51.575	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	212913	50.860	ug/l	99
10) Methyl Iodide	3.93	142	284259	54.636	ug/l	100
11) Tert butyl alcohol	4.74	59	231695	244.971	ug/l	100
12) 1,1-Dichloroethene	3.71	96	212599	50.032	ug/l	97
13) Acrolein	3.58	56	219001	253.658	ug/l	99
14) Allyl chloride	4.29	41	405795	51.119	ug/l	100
15) Acrylonitrile	4.95	53	625242	250.025	ug/l	100
16) Acetone	3.78	43	686675	324.188	ug/l	100
17) Carbon Disulfide	4.03	76	680455	51.092	ug/l	100
18) Methyl Acetate	4.29	43	355499	50.572	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	720453	52.493	ug/l	100
20) Methylene Chloride	4.52	84	241245	50.500	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	231007	51.295	ug/l	99
22) Diisopropyl ether	5.92	45	787249	52.672	ug/l	100
23) Vinyl Acetate	5.86	43	3052544	259.718	ug/l	100
24) 1,1-Dichloroethane	5.82	63	436799	51.921	ug/l	99
25) 2-Butanone	6.80	43	893628	271.315	ug/l	99
26) 2,2-Dichloropropane	6.80	77	367058	50.388	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	257638	50.705	ug/l	99
28) Bromochloromethane	7.17	49	167140	48.832	ug/l	98
29) Tetrahydrofuran	7.18	42	555989	244.126	ug/l	100
30) Chloroform	7.35	83	412762	50.563	ug/l	100
31) Cyclohexane	7.63	56	410741	49.380	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	357617	50.984	ug/l	100
36) 1,1-Dichloropropene	7.77	75	331086	51.768	ug/l	100
37) Ethyl Acetate	6.90	43	339670	49.417	ug/l	99
38) Carbon Tetrachloride	7.75	117	317349	51.832	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	406312	52.684	ug/l	99
40) Benzene	8.02	78	988738	52.674	ug/l	100
41) Methacrylonitrile	7.14	41	113598m	37.229	ug/l	
42) 1,2-Dichloroethane	8.10	62	323464	52.104	ug/l	99
43) Isopropyl Acetate	8.14	43	544059	51.793	ug/l	100
44) Trichloroethene	8.82	130	251377	52.840	ug/l	99
45) 1,2-Dichloropropane	9.10	63	263488	52.640	ug/l	98
46) Dibromomethane	9.19	93	159702	52.016	ug/l	100
47) Bromodichloromethane	9.39	83	326621	53.119	ug/l	99
48) Methyl methacrylate	9.18	41	248960	52.117	ug/l	99
49) 1,4-Dioxane	9.18	88	81929	1141.167	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	1666269	270.998	ug/l	99
52) Toluene	10.15	92	599375	53.104	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	385683	53.959	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	416285	53.671	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	232794	53.047	ug/l	98
56) Ethyl methacrylate	10.42	69	371655	50.139	ug/l	99
57) 1,3-Dichloropropane	10.70	76	402698	52.650	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	675806	248.562	ug/l	99
59) 2-Hexanone	10.74	43	1272403	282.612	ug/l	99
60) Dibromochloromethane	10.90	129	253678	54.857	ug/l	100
61) 1,2-Dibromoethane	11.00	107	242526	53.114	ug/l	100
64) Tetrachloroethene	10.63	164	237783	54.503	ug/l	98
65) Chlorobenzene	11.43	112	627631	51.746	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	230110	52.222	ug/l	99
67) Ethyl Benzene	11.51	91	1142504	52.756	ug/l	99
68) m/p-Xylenes	11.62	106	861560	107.064	ug/l	100
69) o-Xylene	11.95	106	409407	53.142	ug/l	99
70) Styrene	11.96	104	672666	55.336	ug/l	99
71) Bromoform	12.13	173	177471	53.182	ug/l	99
73) Isopropylbenzene	12.25	105	1109459	50.312	ug/l	100
74) N-amyl acetate	12.07	43	458577	51.745	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	344136	47.177	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	311822m	50.141	ug/l	
77) Bromobenzene	12.53	156	262869	49.147	ug/l	99
78) n-propylbenzene	12.59	91	1290660	51.671	ug/l	99
79) 2-Chlorotoluene	12.67	91	754041	49.181	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	944169	50.934	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	125490	50.471	ug/l	98
82) 4-Chlorotoluene	12.77	91	788386	49.691	ug/l	100
83) tert-Butylbenzene	12.99	119	791946	50.584	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	937889	51.650	ug/l	99
85) sec-Butylbenzene	13.17	105	1076138	51.142	ug/l	100
86) p-Isopropyltoluene	13.29	119	986065	52.661	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	475801	49.953	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	467924	49.652	ug/l	99
89) n-Butylbenzene	13.62	91	881501	53.665	ug/l	99
90) Hexachloroethane	13.88	117	175030	49.358	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	458932	49.800	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	67520	43.537	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	278330	48.644	ug/l	100
94) Hexachlorobutadiene	15.01	225	162401	48.913	ug/l	100
95) Naphthalene	15.13	128	730418	46.275	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	264599	47.147	ug/l	98

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

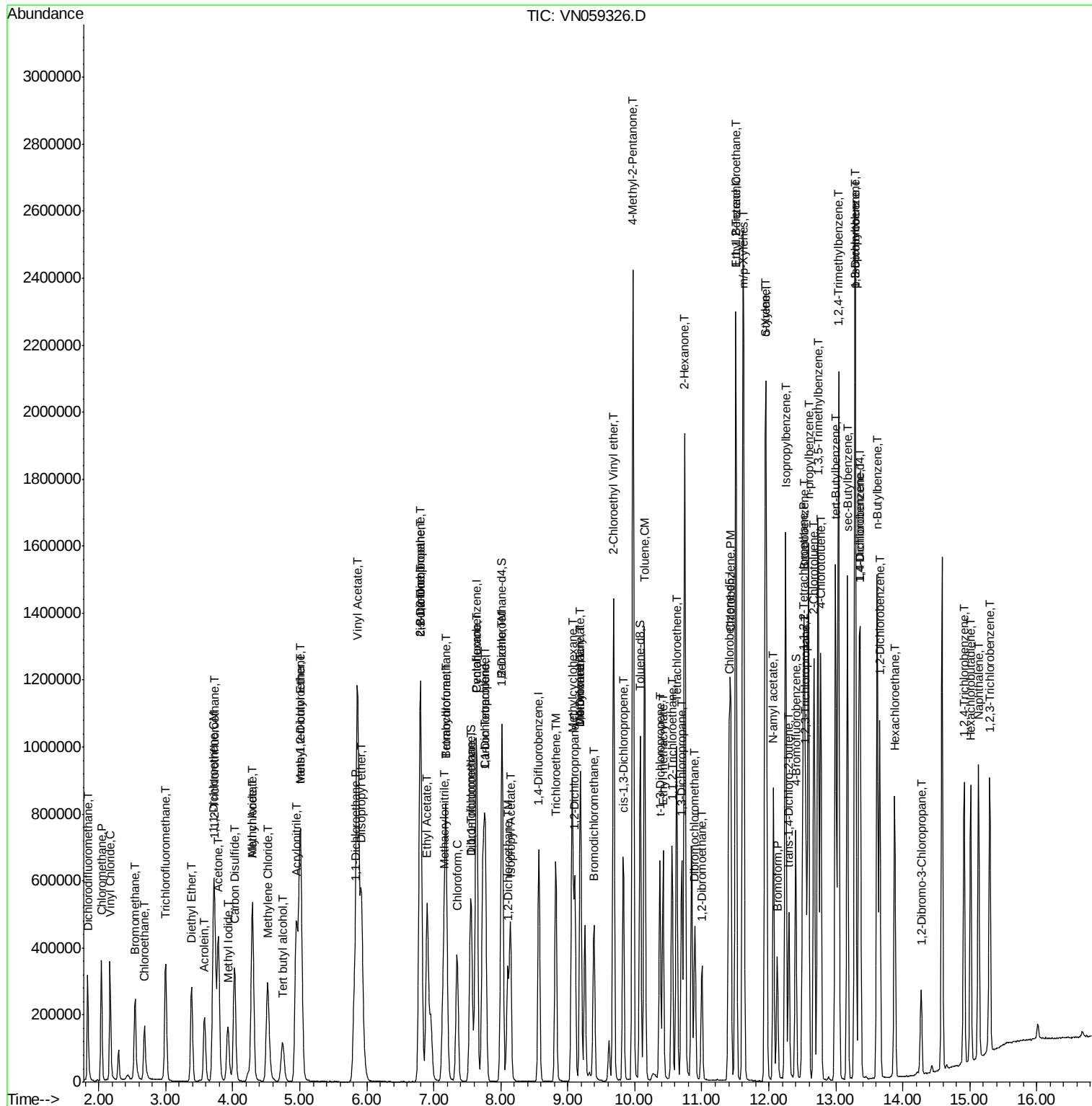
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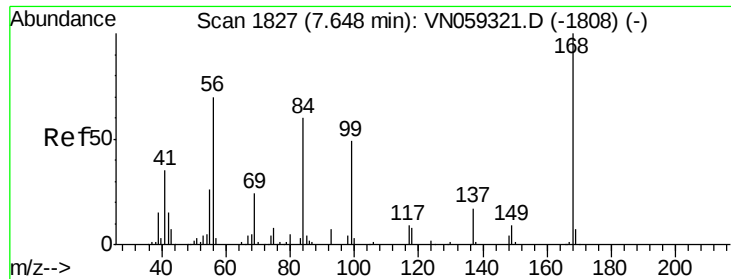
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112019

Tot Ion:168 Resp: 393718

Ion Ratio Lower Upper

168 100

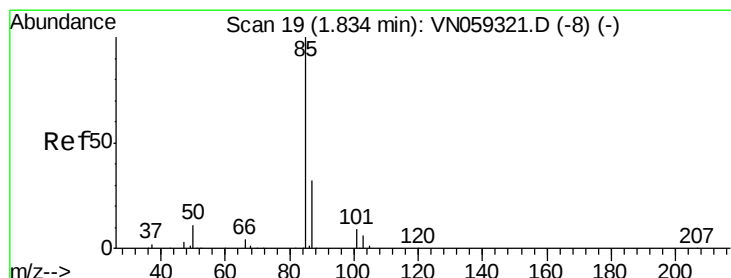
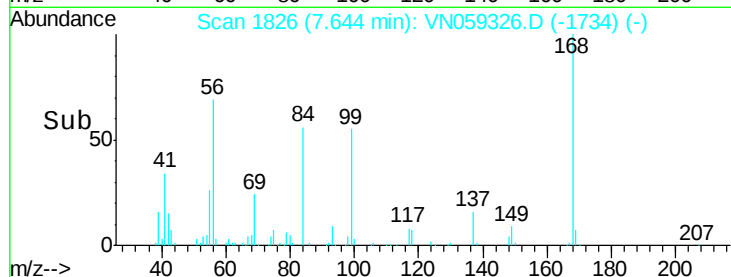
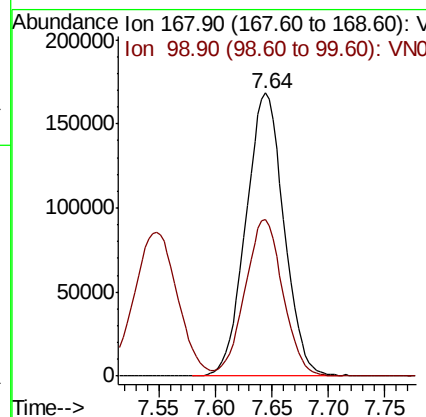
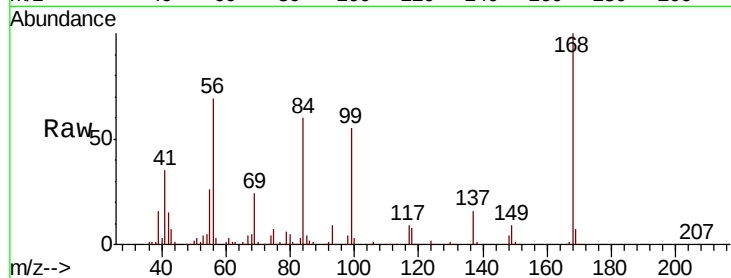
99 55.2 44.6 66.8

Manual Integrations

APPROVED

MMDadoda

11/26/2019 9:58:51 AM



#2

Dichlorodifluoromethane

Concen: 51.799 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059326.D

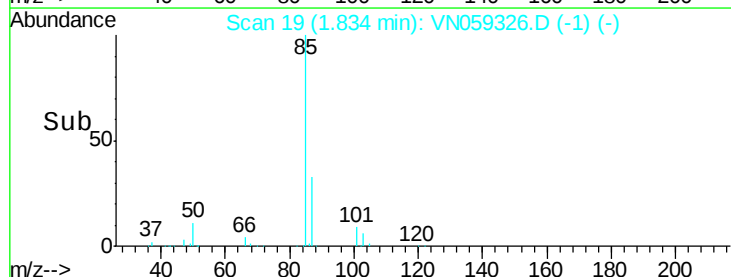
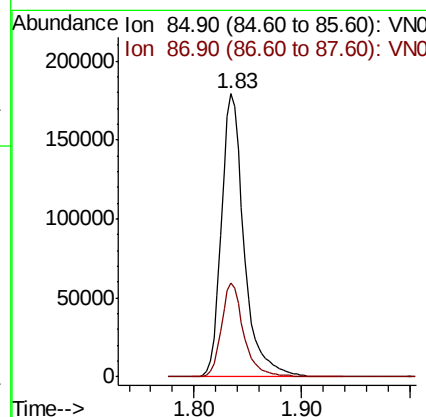
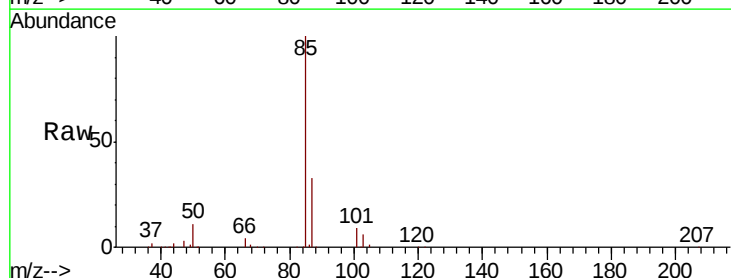
Acq: 20 Nov 2019 17:18

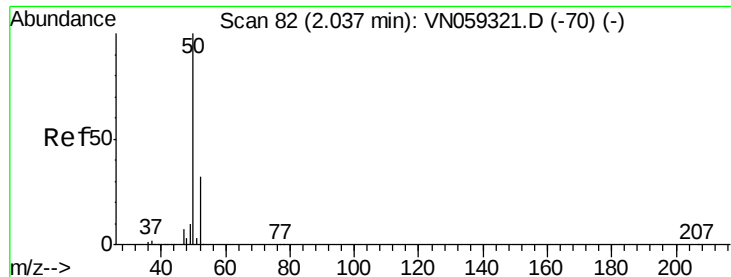
Tgt Ion: 85 Resp: 261093

Ion Ratio Lower Upper

85 100

87 33.0 16.0 48.0





#3

Chloromethane

Concen: 51.228 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112019

Tot Ion: 50 Resp: 316327

Ion Ratio Lower Upper

50 100

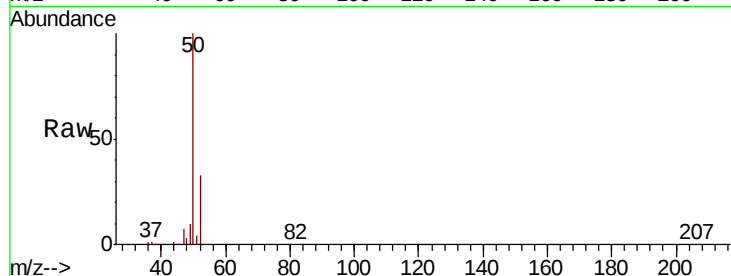
52 32.7 26.0 39.0

Manual Integrations

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MMDadoda

11/26/2019 9:58:51 AM



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

250000

200000

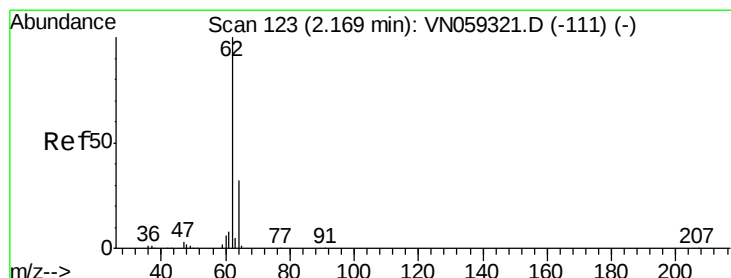
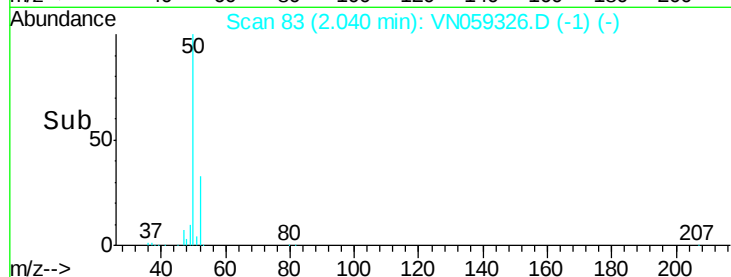
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 53.204 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059326.D

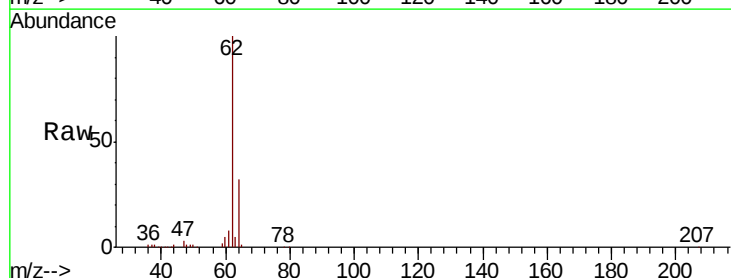
Acq: 20 Nov 2019 17:18

Tgt Ion: 62 Resp: 338242

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

250000

200000

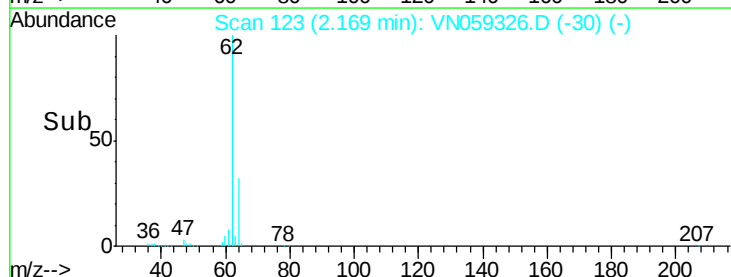
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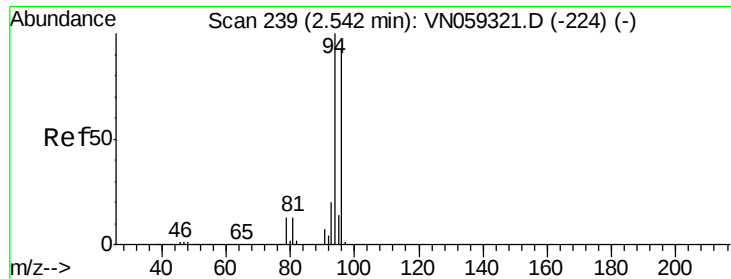
100000

50000

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Time-->





#5

Bromomethane

Concen: 51.294 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112019

Tot Ion: 94 Resp: 181047

Ion Ratio Lower Upper

94 100

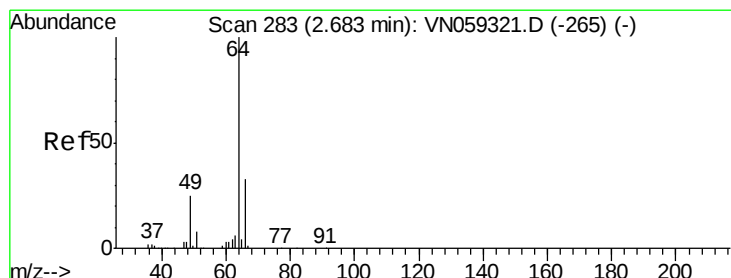
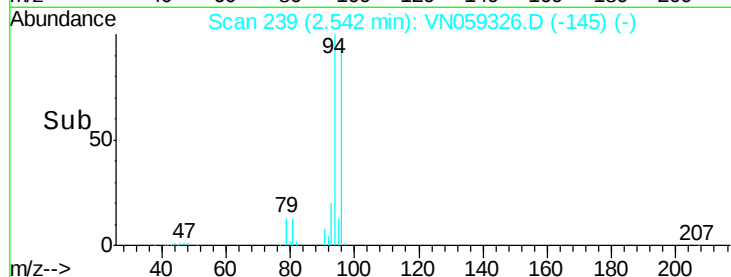
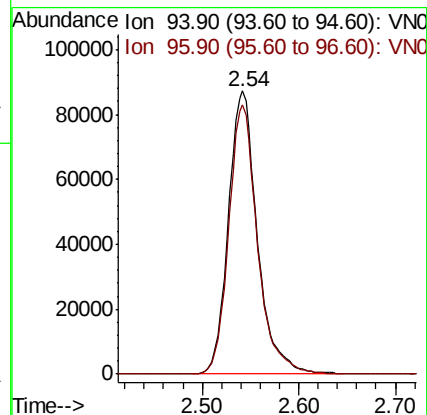
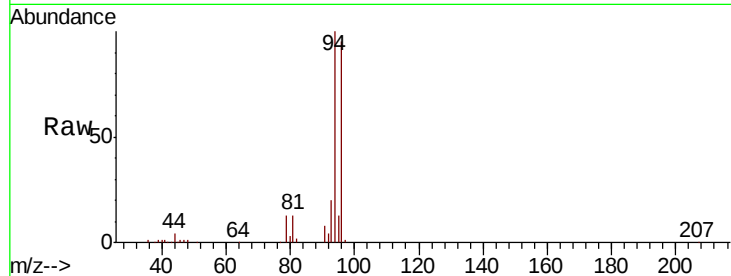
96 95.2 74.5 111.7

Manual Integrations

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#6

Chloroethane

Concen: 49.282 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059326.D

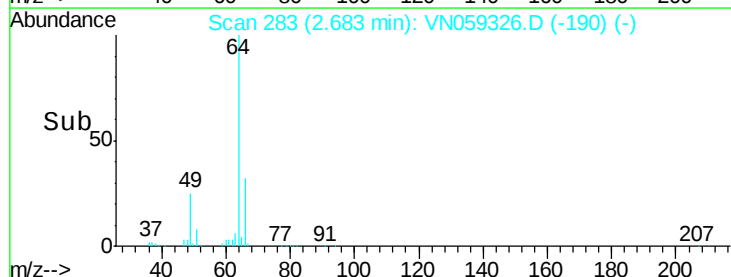
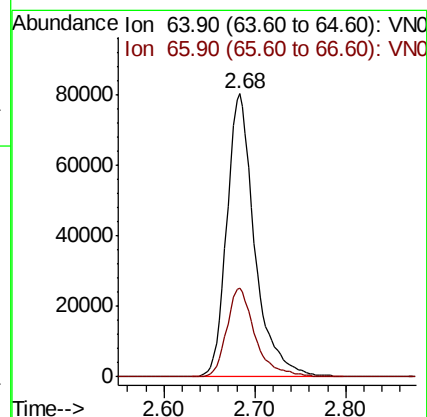
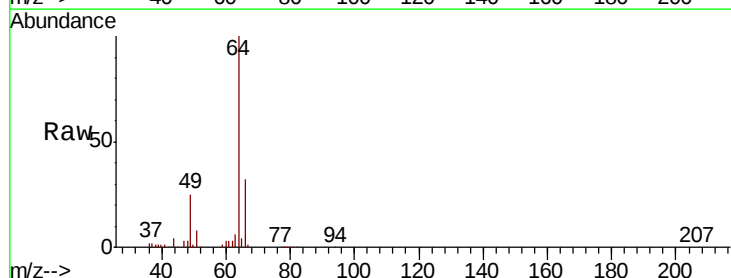
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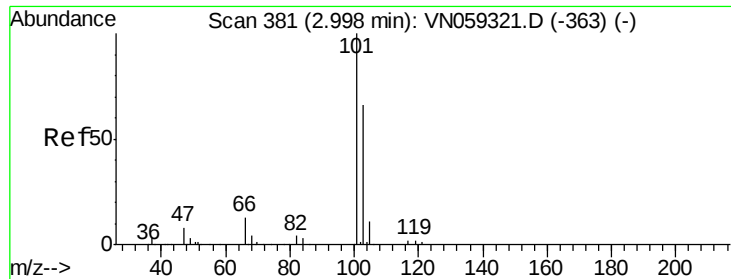
Tgt Ion: 64 Resp: 170993

Ion Ratio Lower Upper

64 100

66 31.6 26.2 39.2





#7

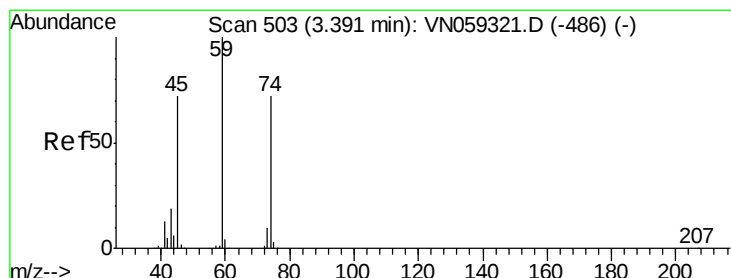
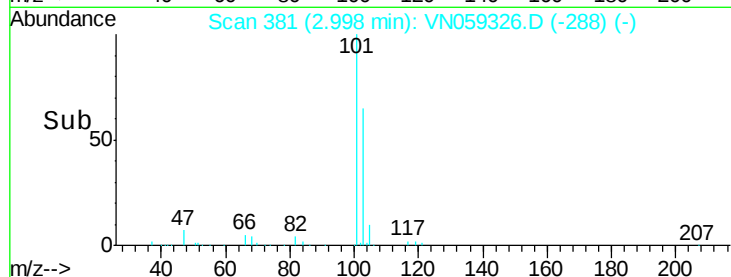
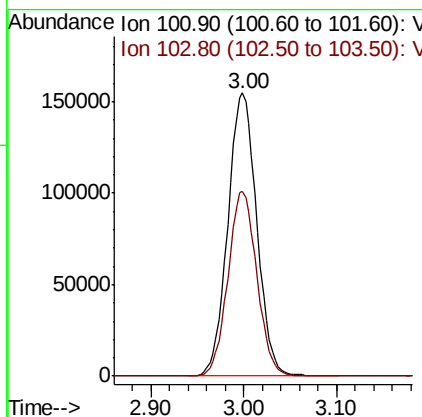
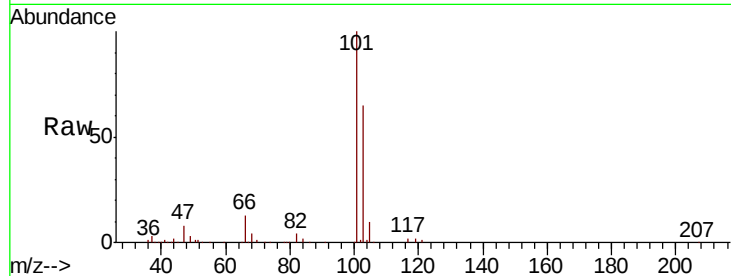
Trichlorofluoromethane
Concen: 48.784 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN059326.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	52.5	78.7

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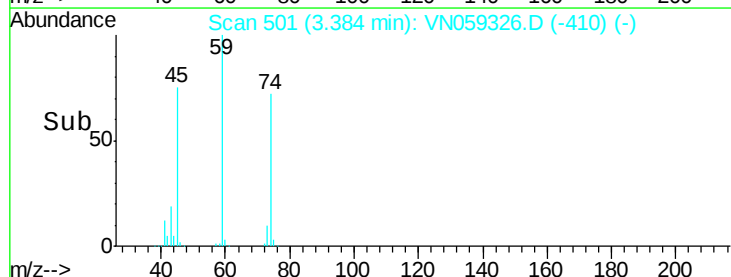
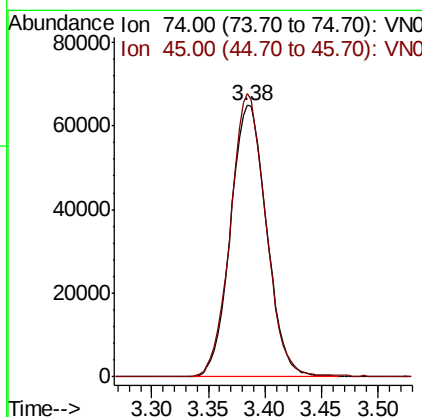
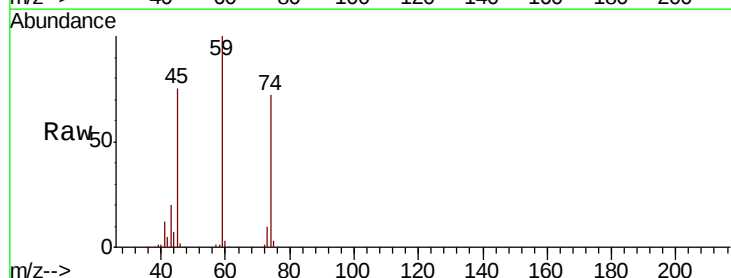
MMDadoda
11/26/2019 9:58:51 AM

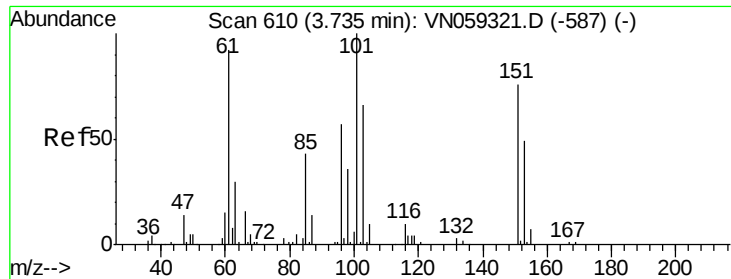


#8

Diethyl Ether
Concen: 51.575 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.01 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.0	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.860 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN059326.D

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MSVOA_N

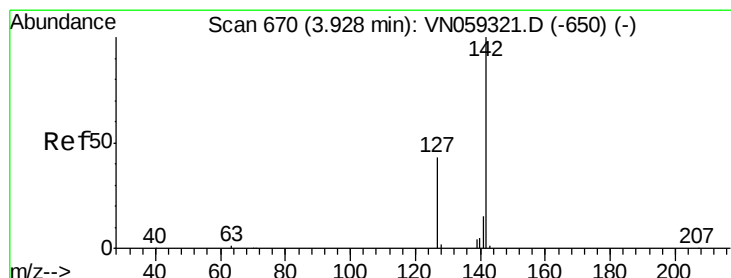
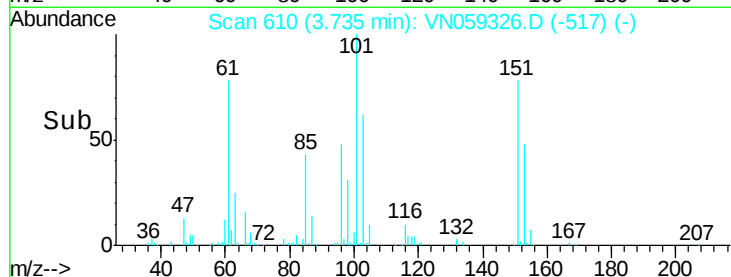
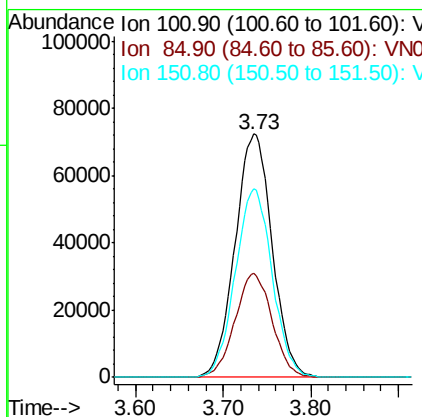
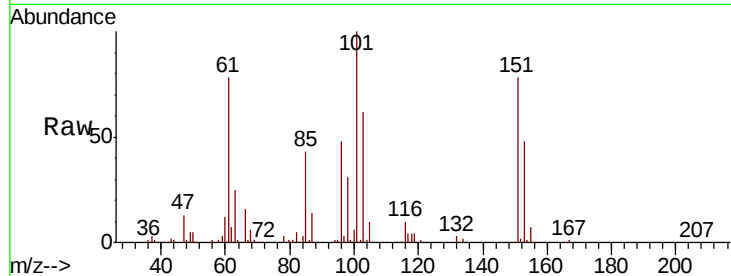
ClientSampleId :

ICVVN112019

Tot Ion:	101	Resp:	212913
Ion Ratio	Lower	Upper	
101	100		
85	42.7	34.8	52.2
151	77.0	62.2	93.4

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#10

Methyl Iodide

Concen: 54.636 ug/l

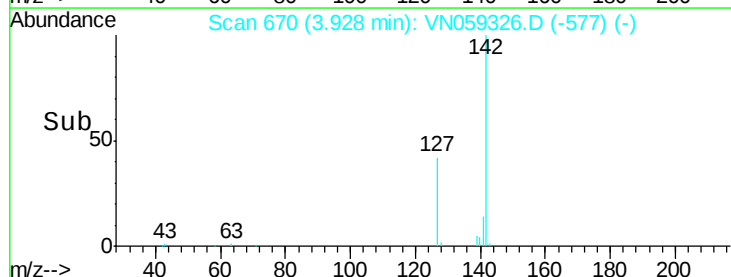
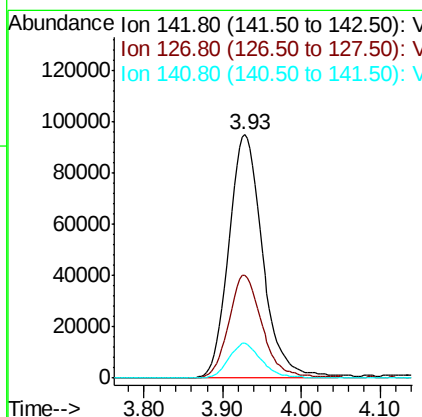
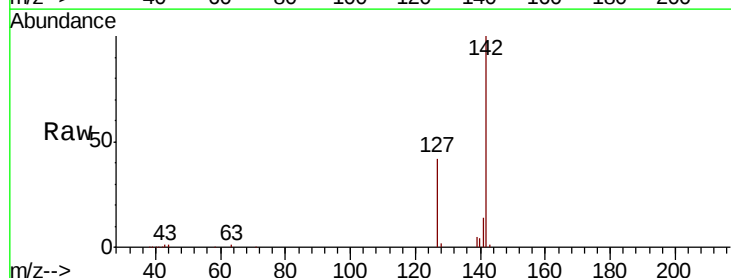
RT: 3.93 min Scan# 670

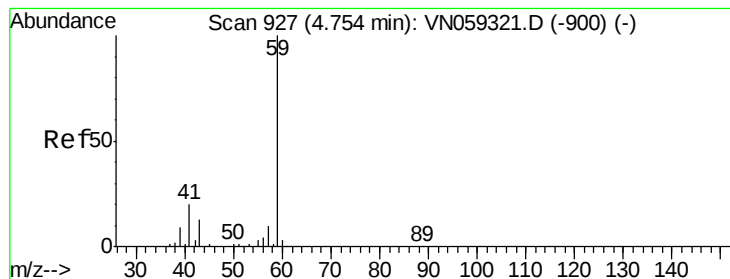
Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Tgt Ion:	142	Resp:	284259
Ion Ratio	Lower	Upper	
142	100		
127	42.0	33.8	50.6
141	13.8	11.2	16.8





#11

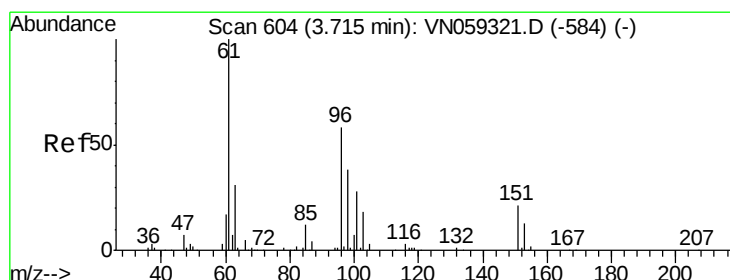
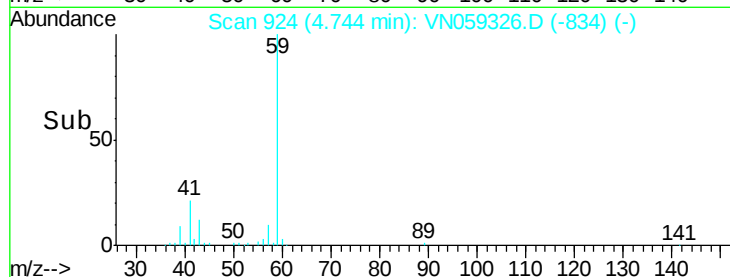
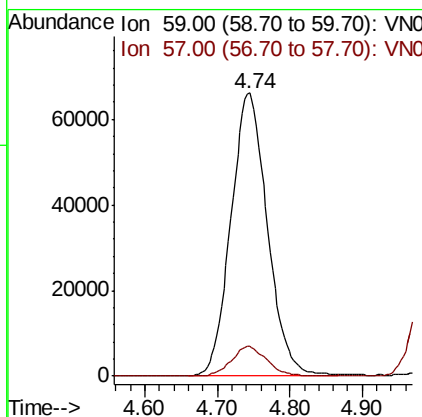
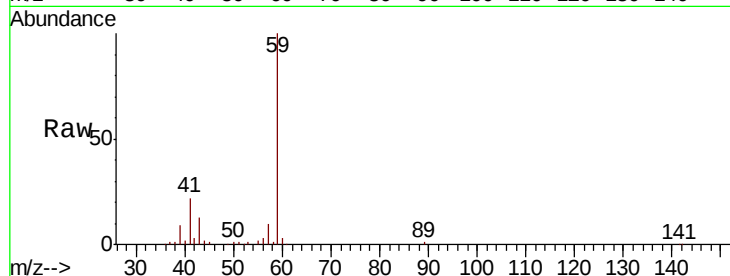
Tert butyl alcohol
Concen: 244.971 ug/l
RT: 4.74 min Scan# 924
Delta R.T. -0.01 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion	59	Resp	231695
Ion Ratio	100	Lower	Upper
57	10.2	8.2	12.2

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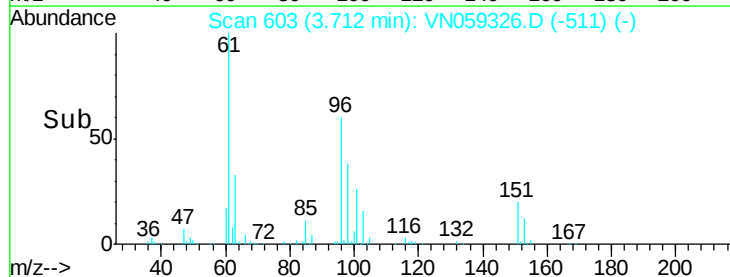
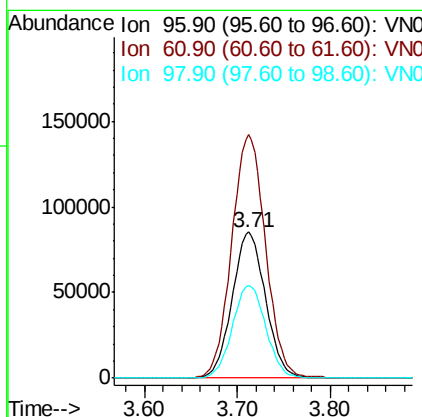
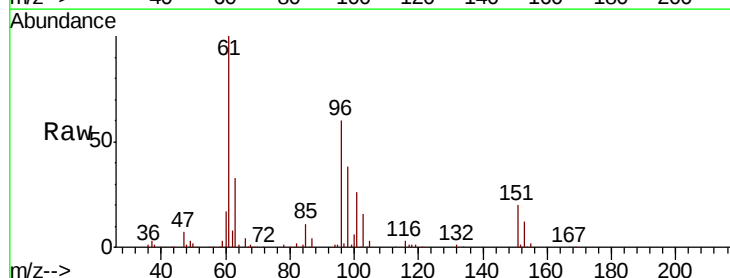
MMDadoda
11/26/2019 9:58:51 AM

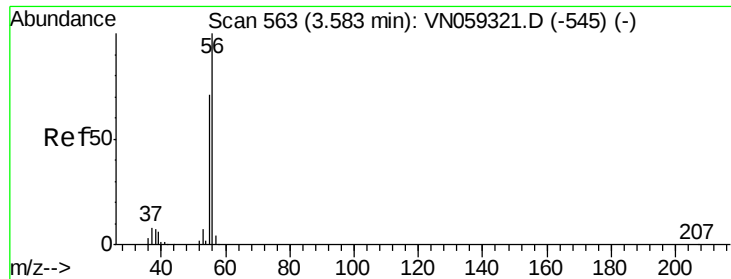


#12

1,1-Dichloroethene
Concen: 50.032 ug/l
RT: 3.71 min Scan# 603
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Tgt Ion	96	Resp	212599
Ion Ratio	100	Lower	Upper
61	166.8	136.8	205.2
98	63.6	51.6	77.4





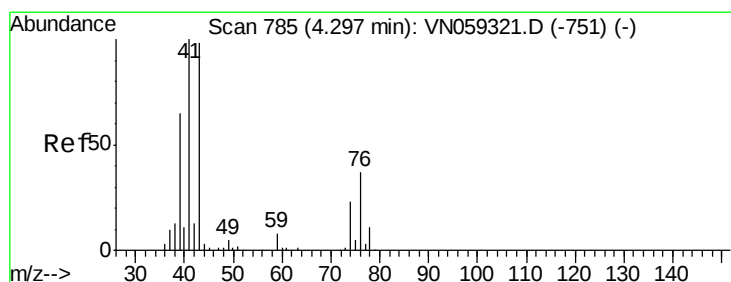
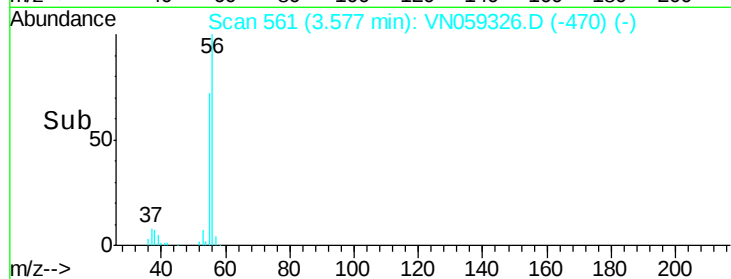
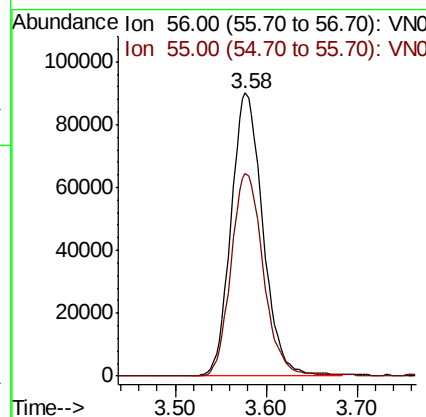
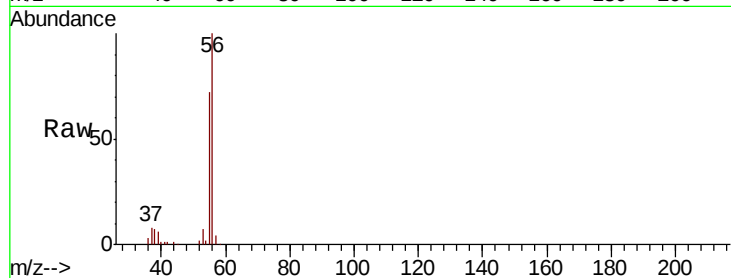
#13
Acrolein
Concen: 253.658 ug/l
RT: 3.58 min Scan# 561
Delta R.T. -0.01 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	72.6	57.4	86.0	

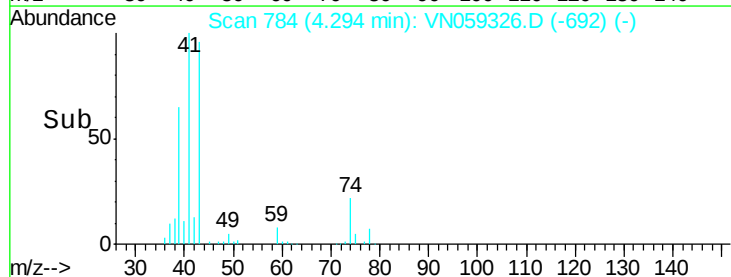
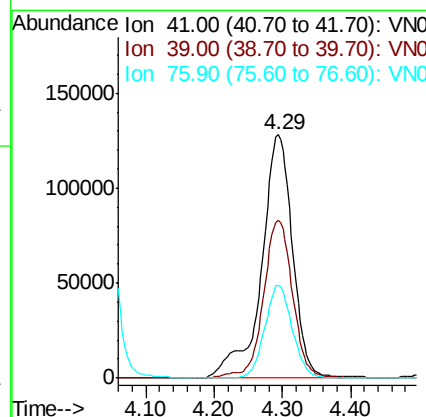
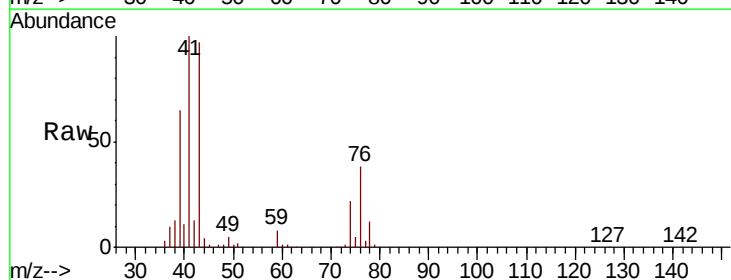
Manual Integrations
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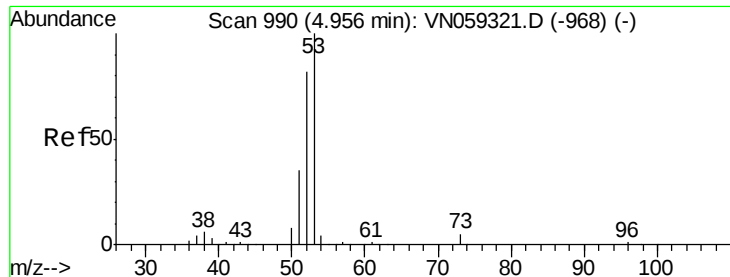
MMDadoda
11/26/2019 9:58:51 AM



#14
Allyl chloride
Concen: 51.119 ug/l
RT: 4.29 min Scan# 784
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	60.7	48.4	72.6	
76	33.2	26.2	39.4	





#15

Acrylonitrile

Concen: 250.025 ug/l

RT: 4.95 min Scan# 988

Delta R.T. -0.01 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

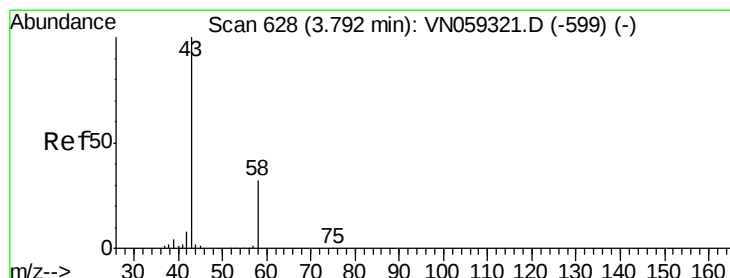
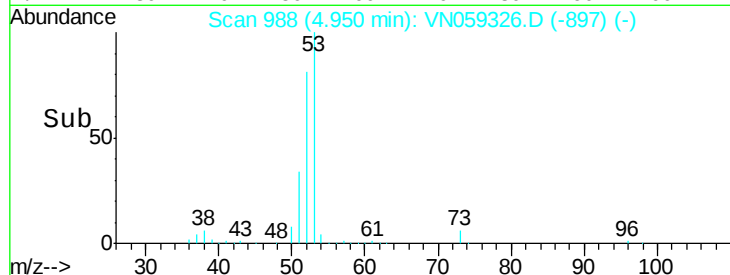
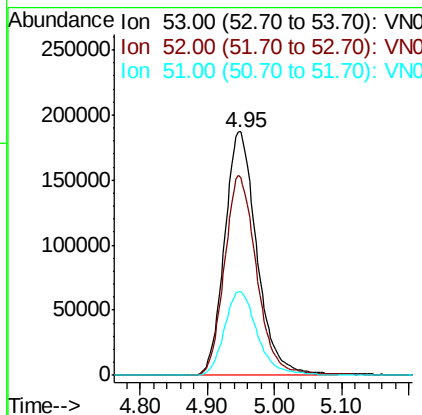
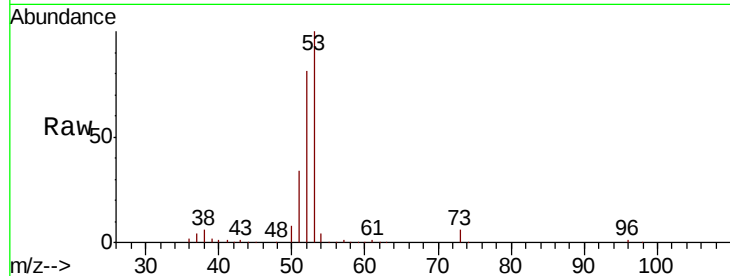
ClientSampleId :

ICVVN112019

Tot Ion:	53	Resp:	625242
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.8	98.8
51	35.1	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 324.188 ug/l

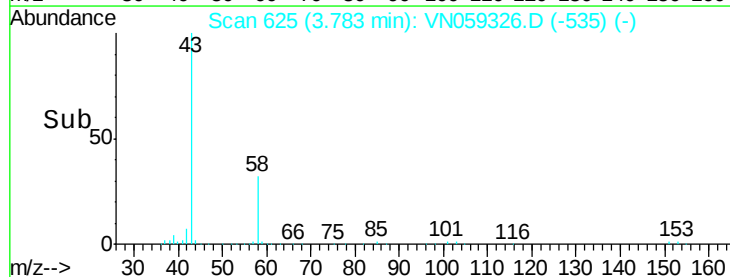
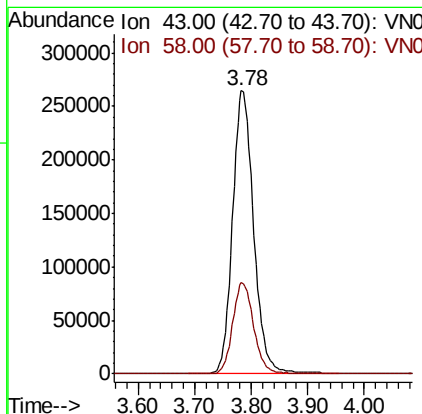
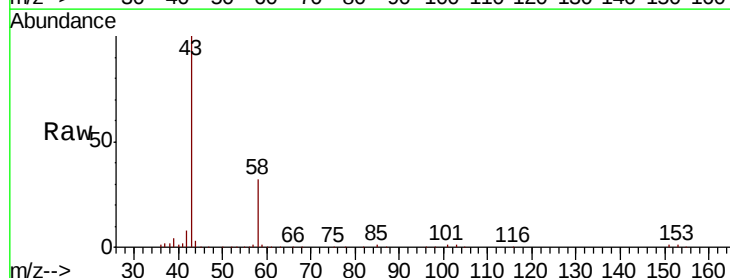
RT: 3.78 min Scan# 625

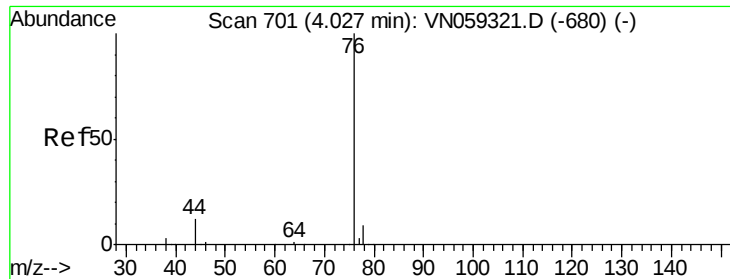
Delta R.T. -0.01 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Tgt Ion:	43	Resp:	686675
Ion	Ratio	Lower	Upper
43	100		
58	32.3	25.8	38.6





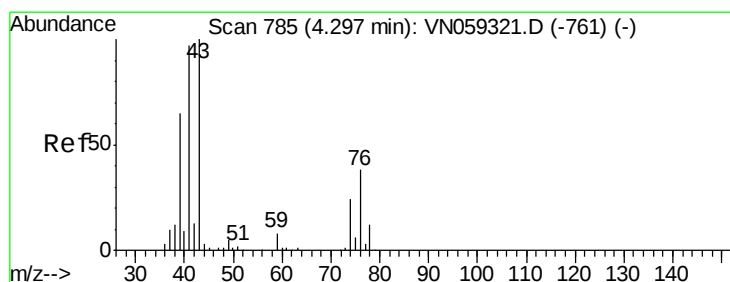
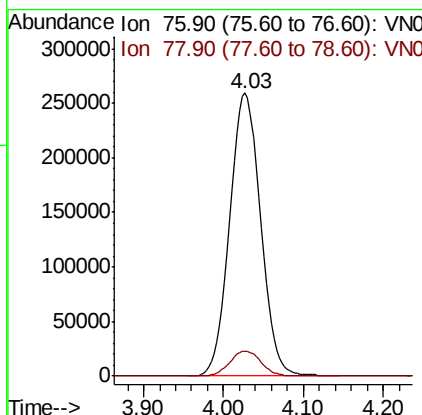
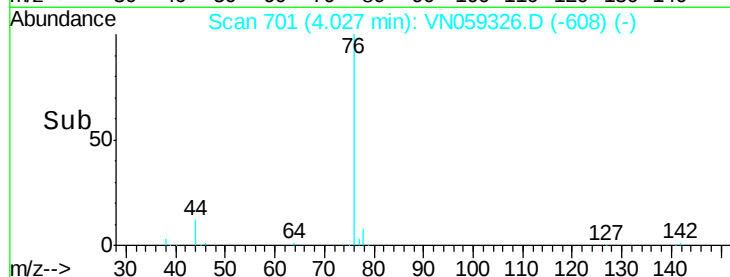
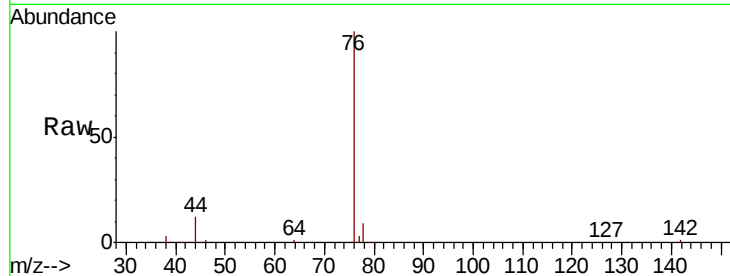
#17
Carbon Disulfide
Concen: 51.092 ug/l
RT: 4.03 min Scan# 701
Delta R.T. 0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.2	10.8

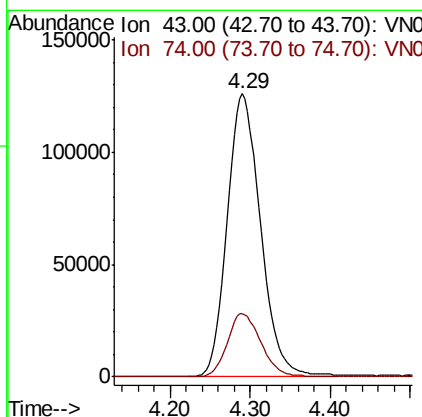
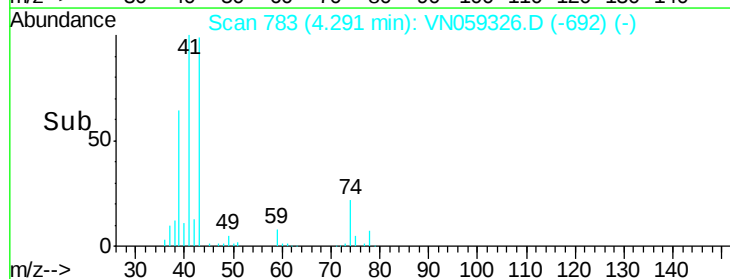
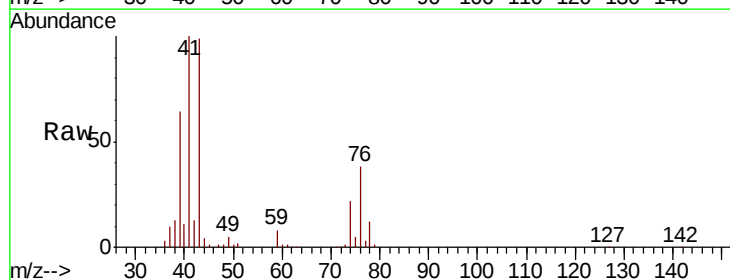
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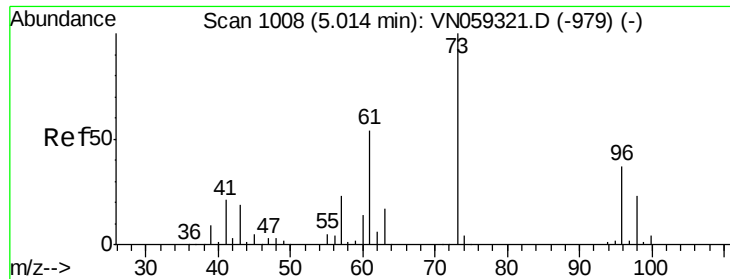
MMDadoda
11/26/2019 9:58:51 AM



#18
Methyl Acetate
Concen: 50.572 ug/l
RT: 4.29 min Scan# 783
Delta R.T. -0.01 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	18.1	27.1





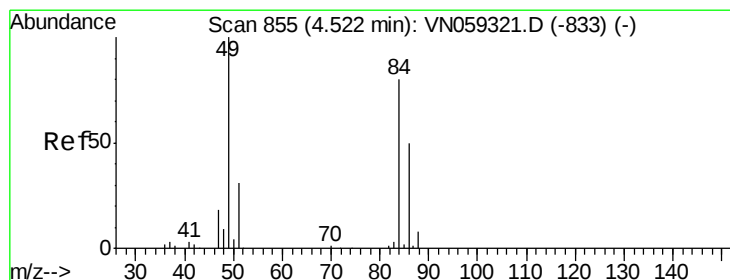
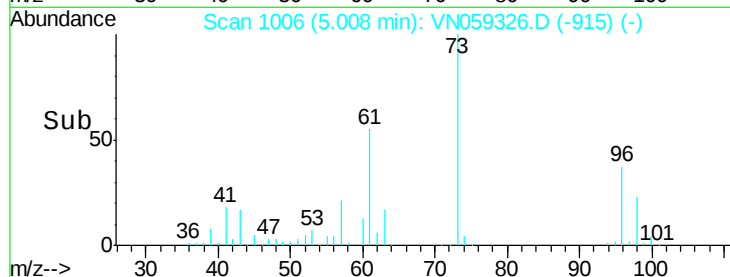
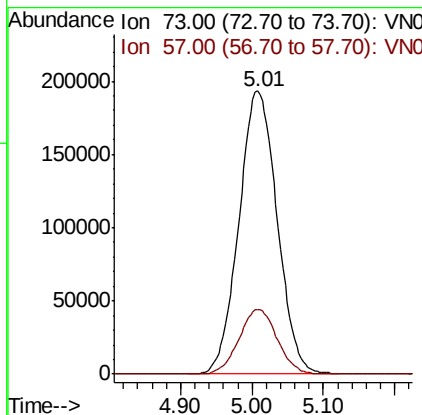
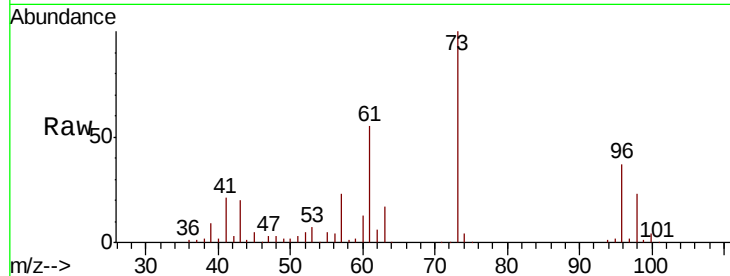
#19
Methvl tert-butvl Ether
Concen: 52.493 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.01 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion: 73 Resp: 720453
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6

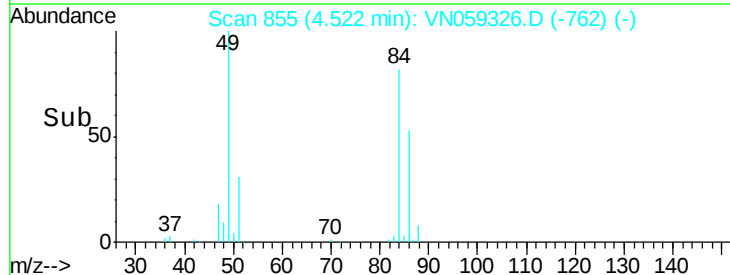
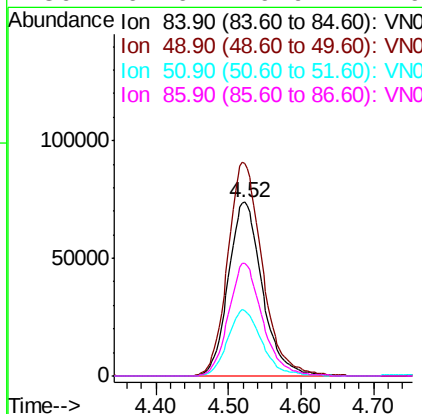
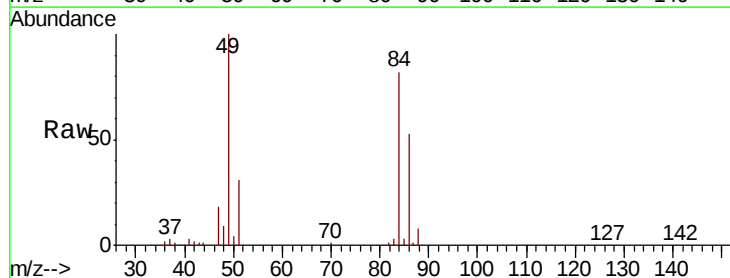
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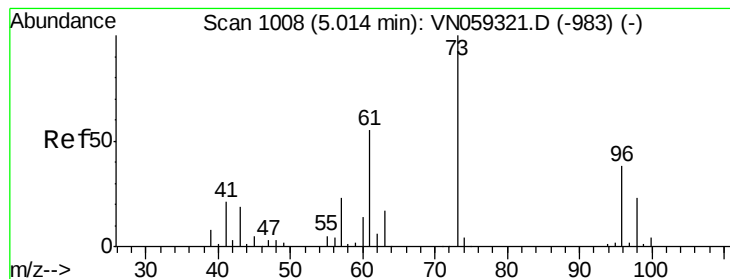
MMDadoda
11/26/2019 9:58:51 AM



#20
Methylene Chloride
Concen: 50.500 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Tgt Ion: 84 Resp: 241245
Ion Ratio Lower Upper
84 100
49 122.0 99.5 149.3
51 37.6 31.1 46.7
86 64.6 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 51.295 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.01 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

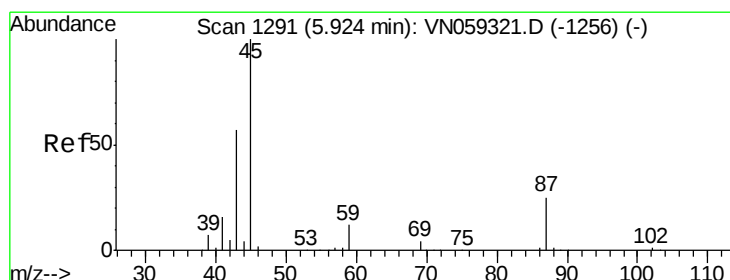
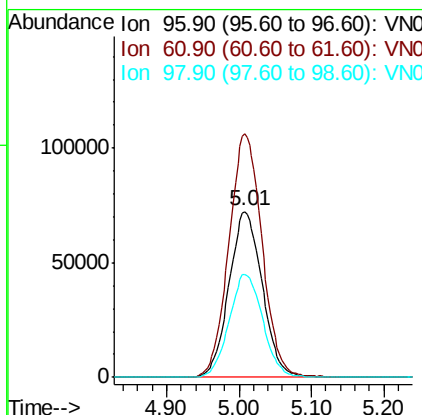
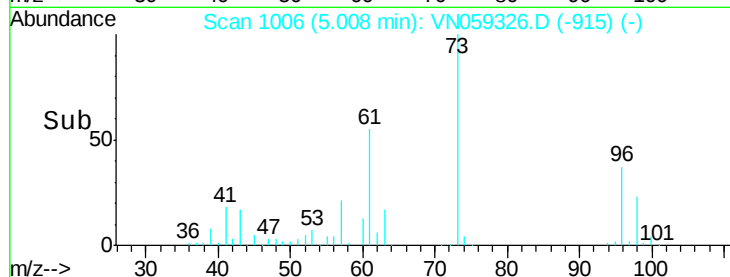
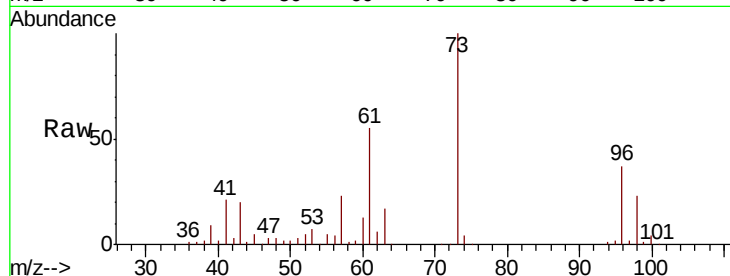
ClientSampleId :

ICVVN112019

Tot Ion:	96	Resp:	231007
Ion	Ratio	Lower	Upper
96	100		
61	146.7	116.4	174.6
98	62.3	49.6	74.4

Manual Integrations
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11/26/2019 9:58:51 AM



#22

Diisopropyl ether

Concen: 52.672 ug/l

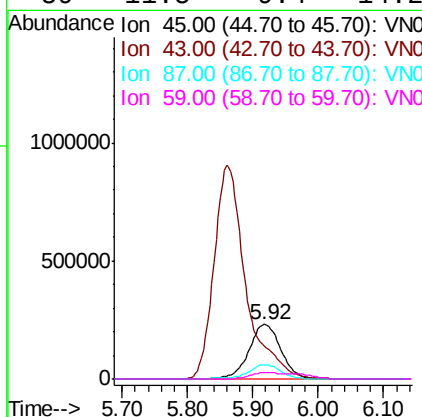
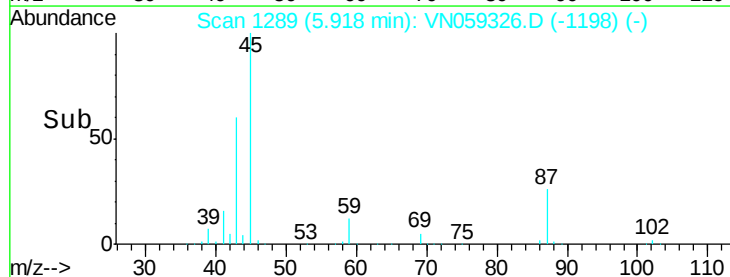
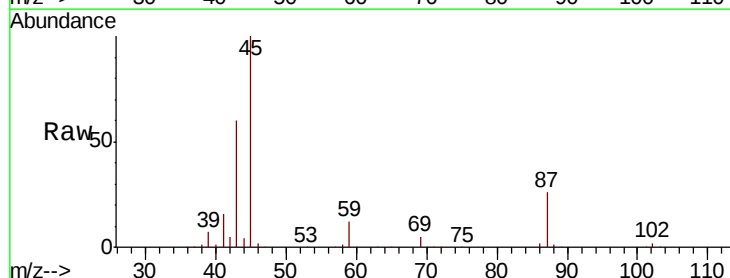
RT: 5.92 min Scan# 1289

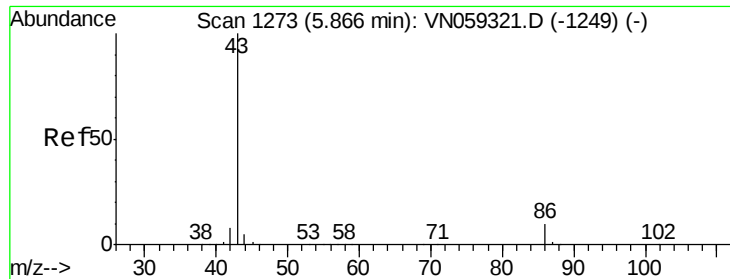
Delta R.T. -0.01 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Tgt Ion:	45	Resp:	787249
Ion	Ratio	Lower	Upper
45	100		
43	59.2	47.6	71.4
87	26.2	20.7	31.1
59	11.5	9.4	14.2





#23

Vinyl Acetate

Concen: 259.718 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

ClientSampleID :

ICVVN112019

Tot Ion: 43 Resp: 3052544

Ion Ratio Lower Upper

43 100

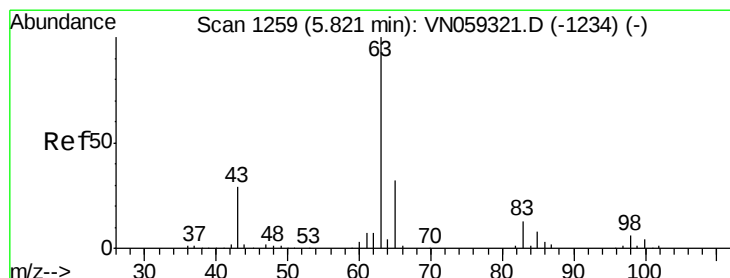
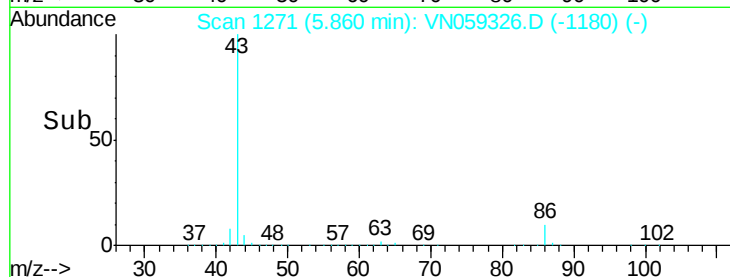
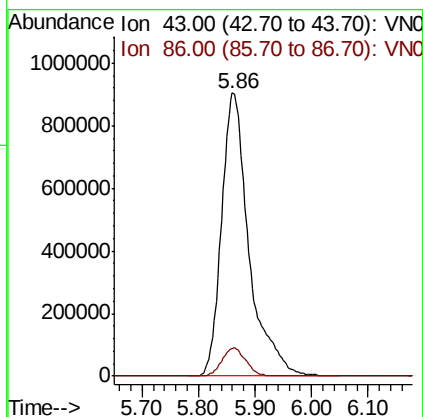
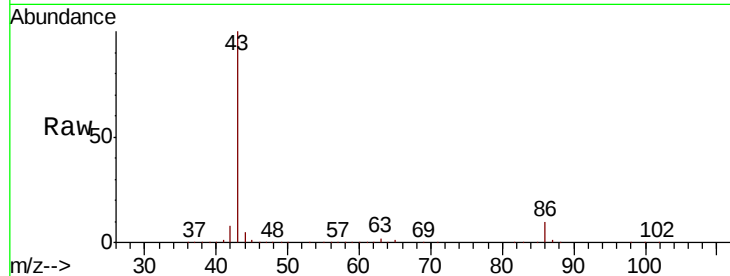
86 9.9 8.0 12.0

Manual Integrations

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MMDadoda

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#24

1,1-Dichloroethane

Concen: 51.921 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

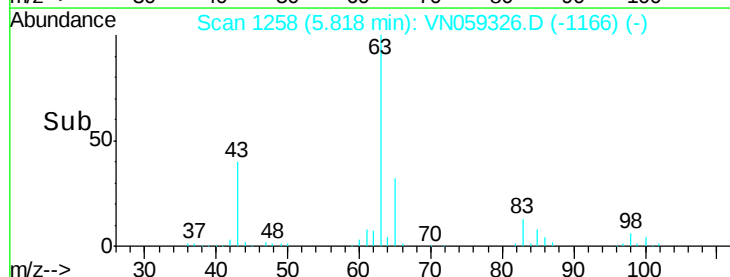
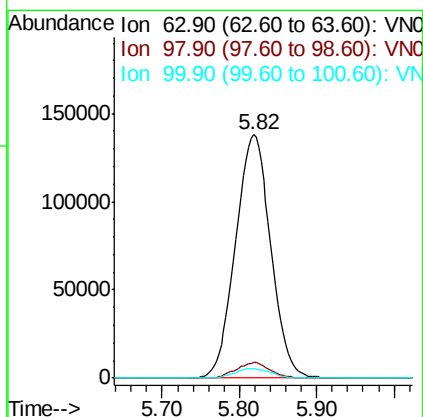
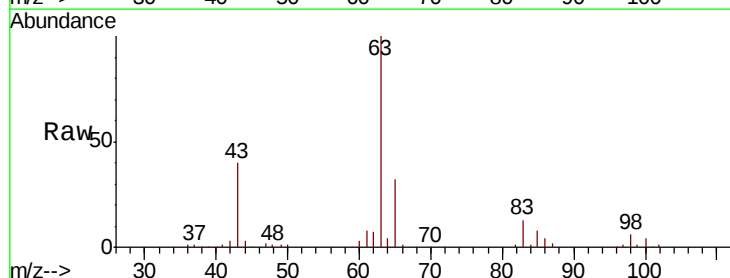
Tgt Ion: 63 Resp: 436799

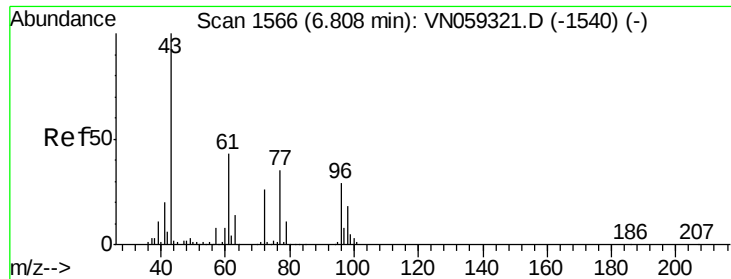
Ion Ratio Lower Upper

63 100

98 6.4 2.9 8.8

100 4.0 1.9 5.7





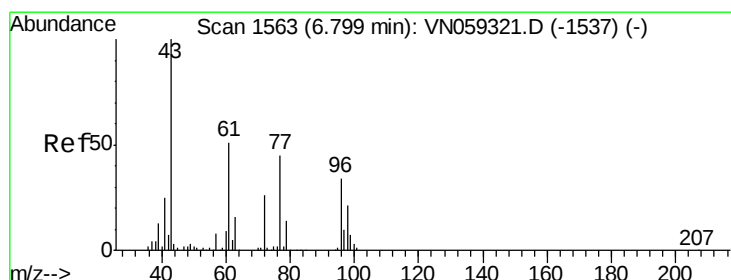
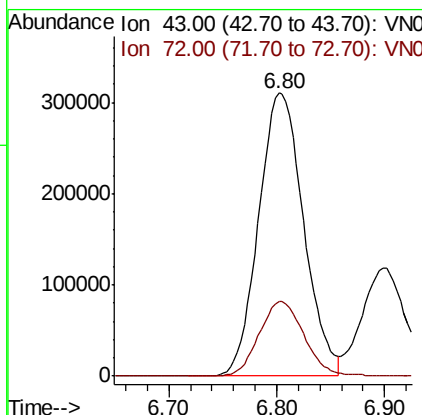
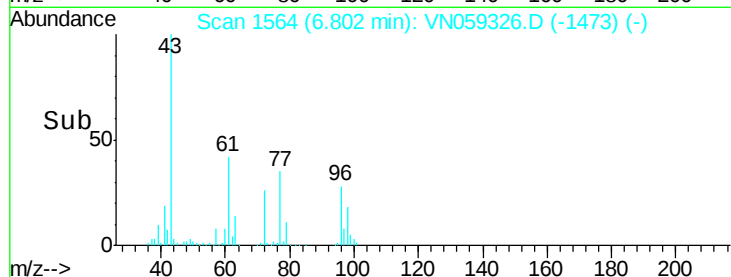
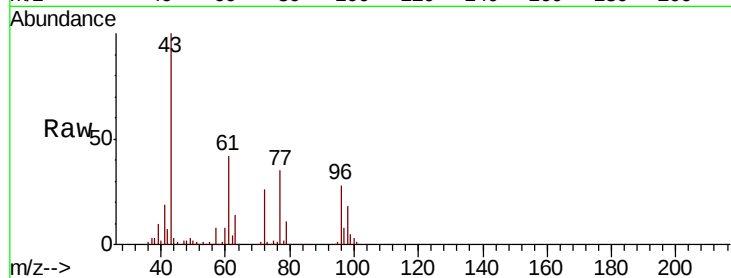
#25
2-Butanone
Concen: 271.315 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion: 43 Resp: 893628
Ion Ratio Lower Upper
43 100
72 26.3 20.5 30.7

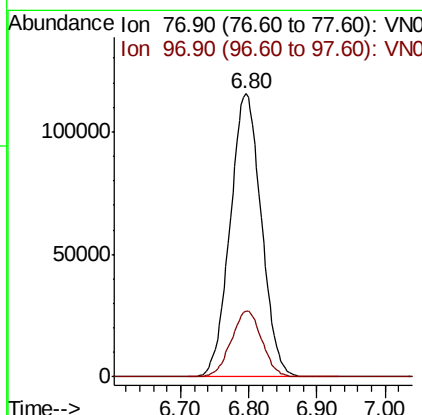
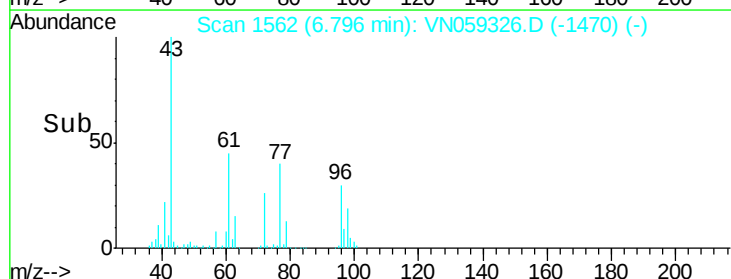
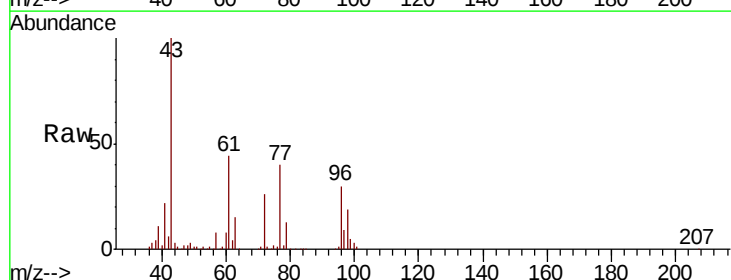
Manual Integrations
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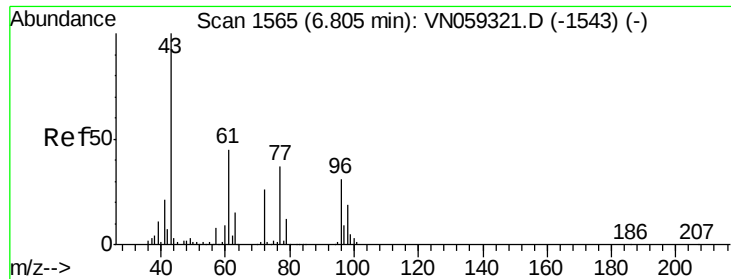
MMDadoda
11/26/2019 9:58:51 AM



#26
2,2-Dichloropropane
Concen: 50.388 ug/l
RT: 6.80 min Scan# 1562
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Tgt Ion: 77 Resp: 367058
Ion Ratio Lower Upper
77 100
97 23.0 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 50.705 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

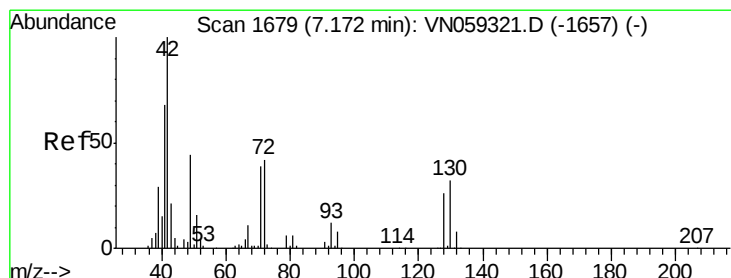
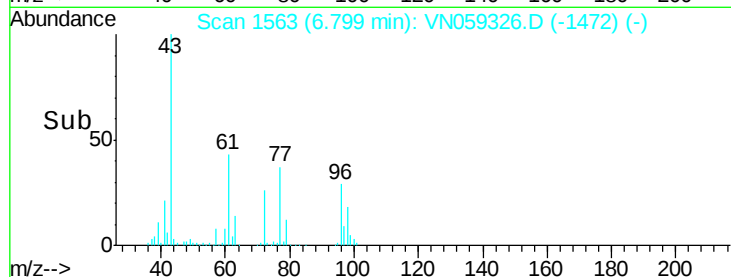
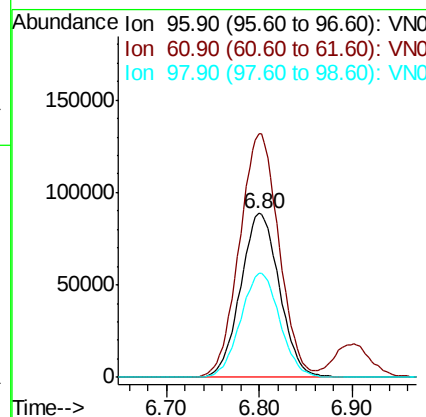
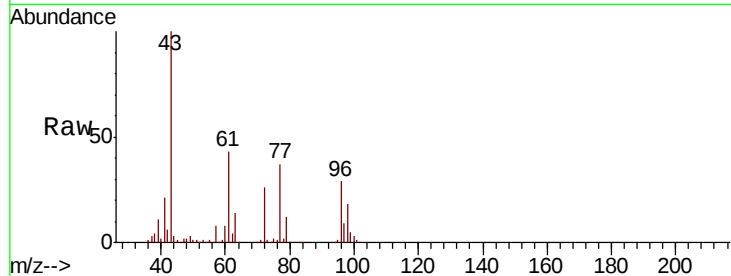
ClientSampleId :

ICVVN112019

Tot Ion:	96	Resp:	257638
Ion	Ratio	Lower	Upper
96	100		
61	150.8	0.0	304.0
98	64.2	0.0	128.4

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#28

Bromochloromethane

Concen: 48.832 ug/l

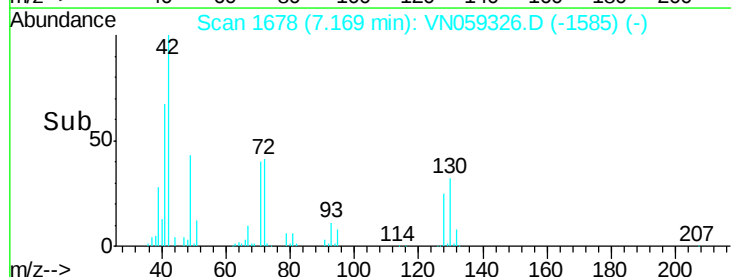
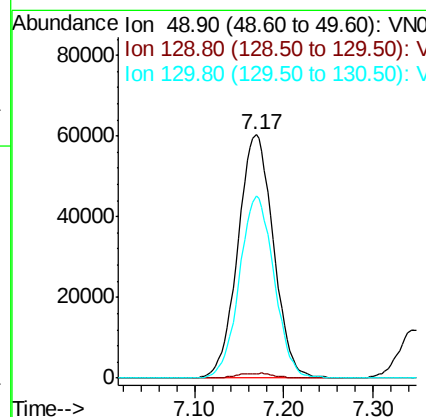
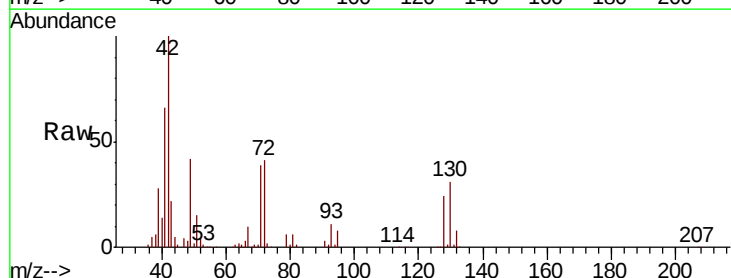
RT: 7.17 min Scan# 1678

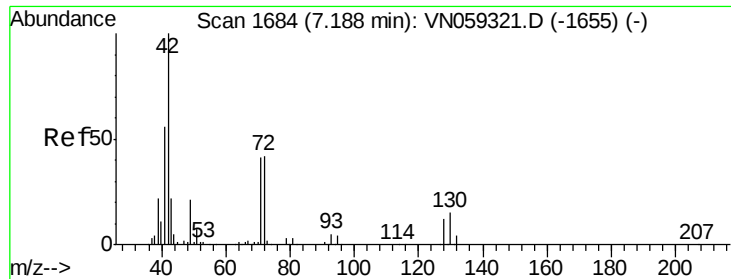
Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Tgt Ion:	49	Resp:	167140
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	73.0	57.0	85.6





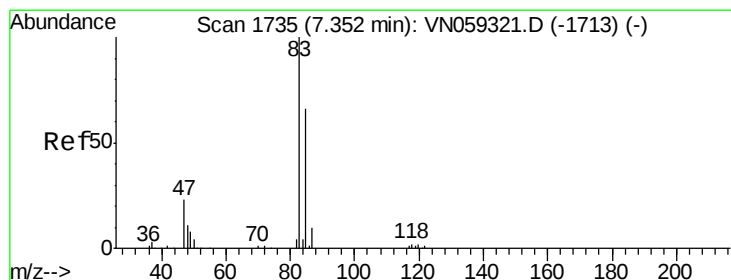
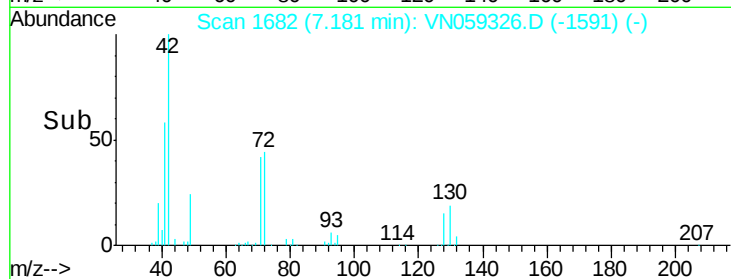
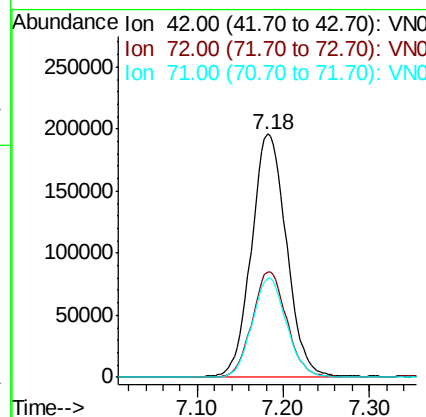
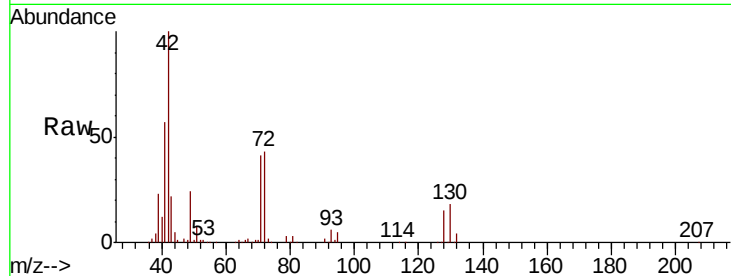
#29
Tetrahydrofuran
Concen: 244.126 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. -0.01 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	34.2	51.2
71	40.3	32.6	48.8

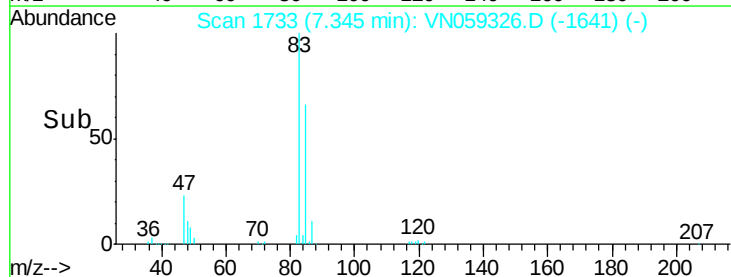
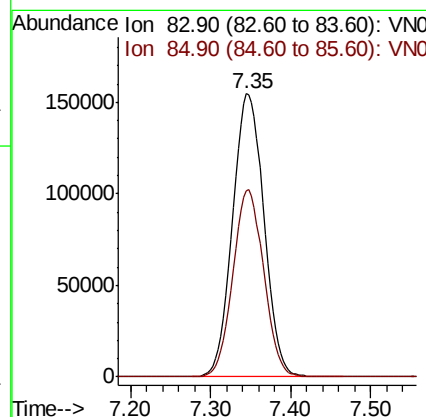
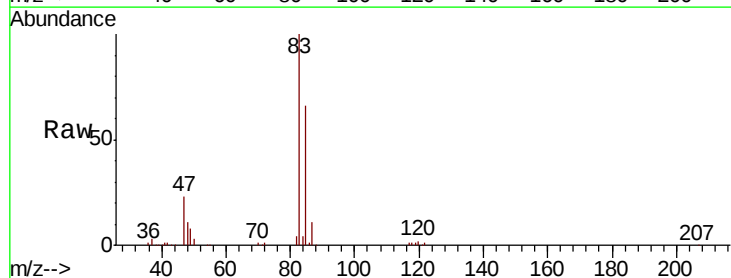
Manual Integrations
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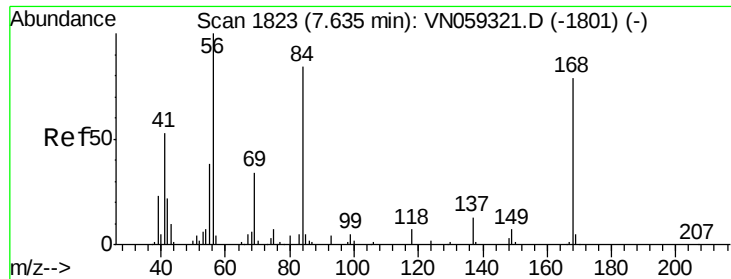
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11/26/2019 9:58:51 AM



#30
Chloroform
Concen: 50.563 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.01 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.0	52.7	79.1





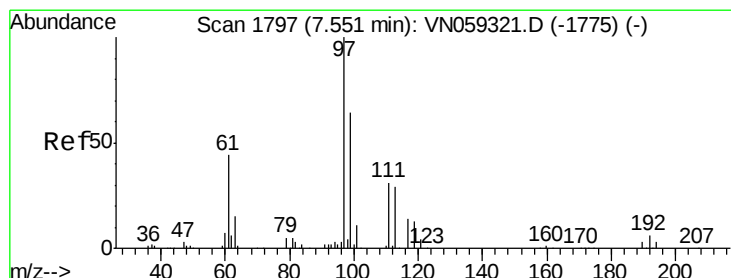
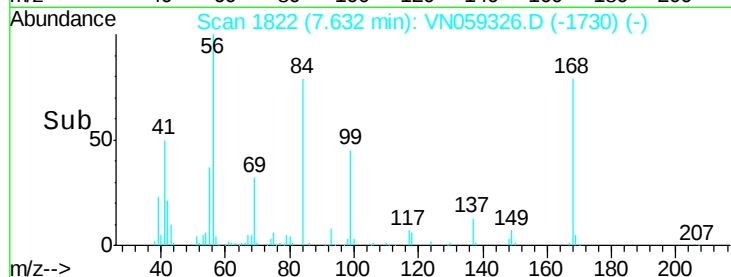
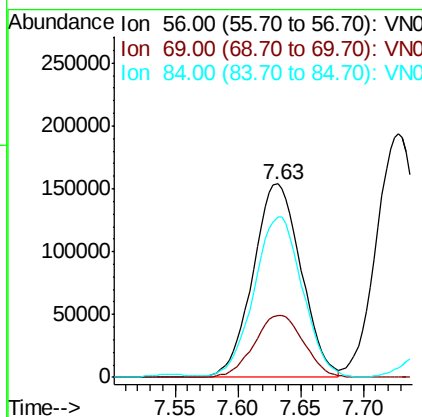
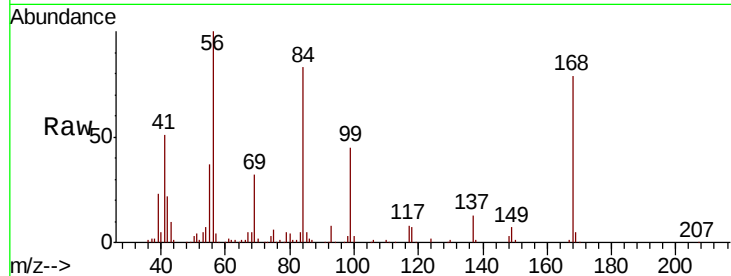
#31
Cyclohexane
Concen: 49.380 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.2	26.6	40.0
84	81.9	67.0	100.4

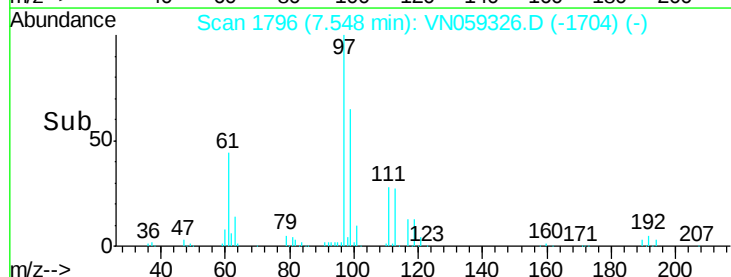
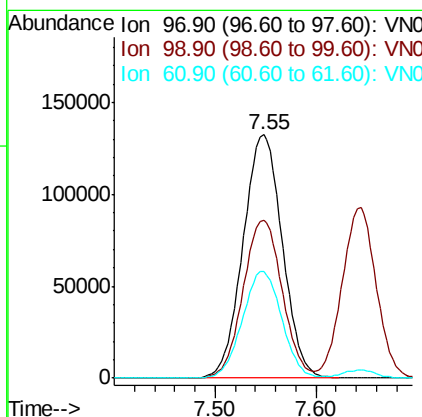
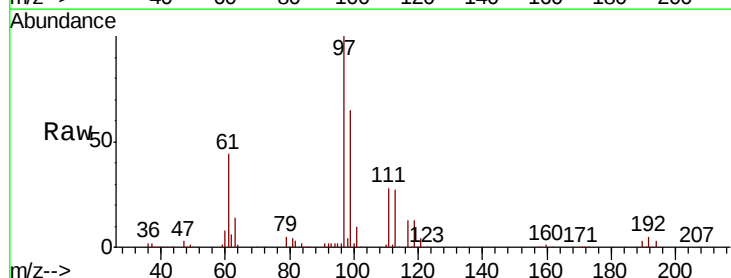
Manual Integrations
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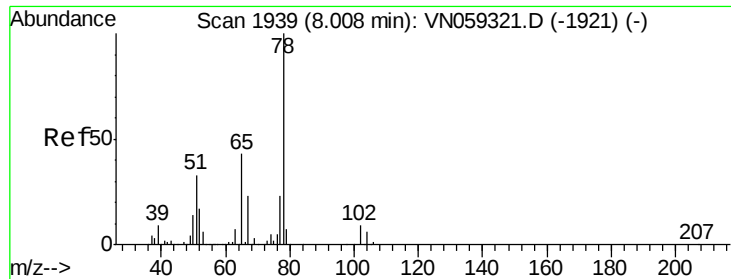
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#32
1,1,1-Trichloroethane
Concen: 50.984 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	43.8	35.3	52.9





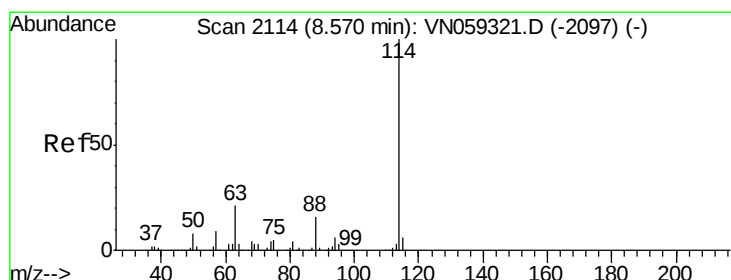
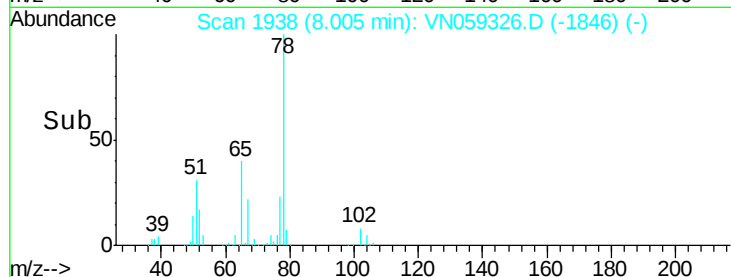
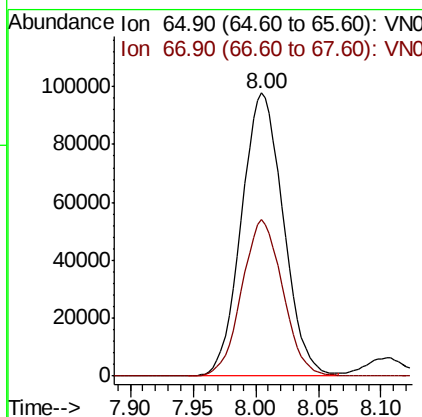
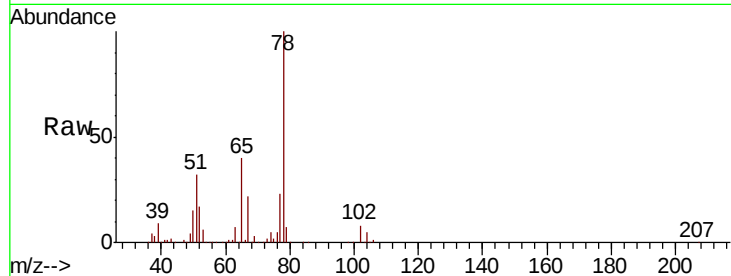
#33
 1,2-Dichloroethane-d4
 Concen: 48.223 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 17:18

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112019

Tot Ion	Ratio	Resp	Lower	Upper
65	100	227805		
67	54.0	0.0	109.4	

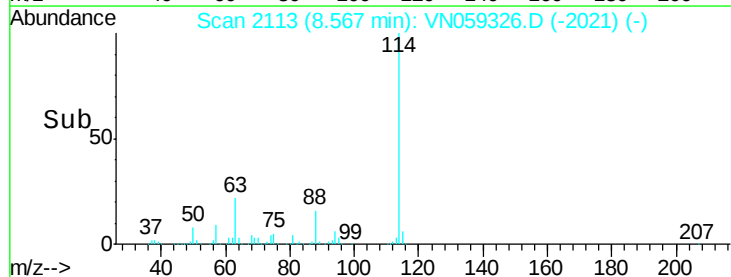
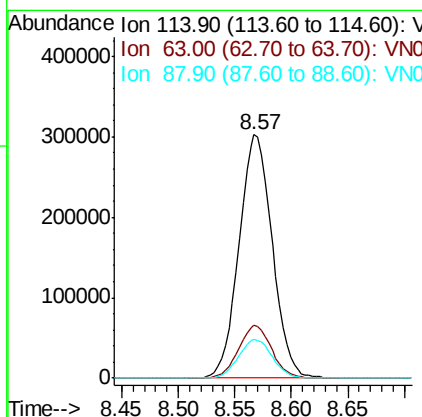
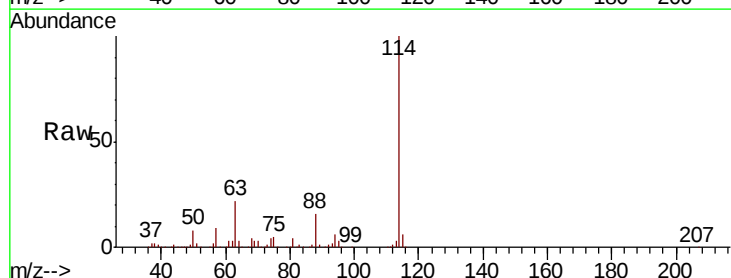
Manual Integrations
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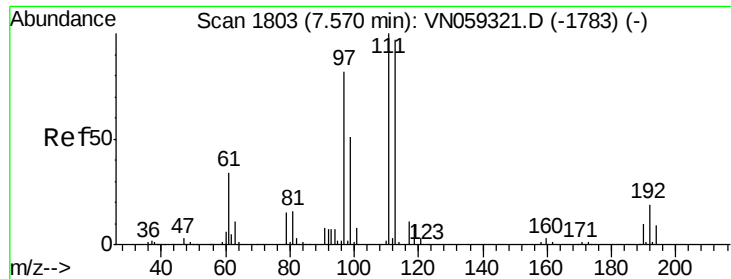
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 11/26/2019 9:58:51 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	619519		
63	21.6	0.0	42.2	
88	15.9	0.0	32.2	





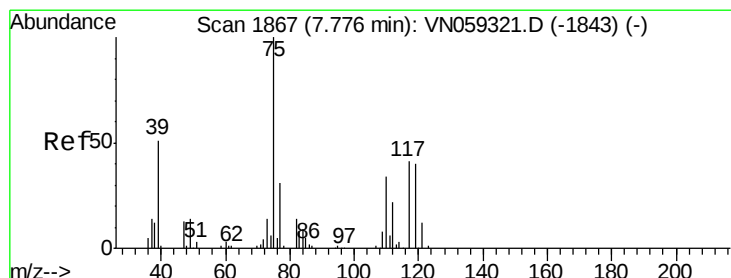
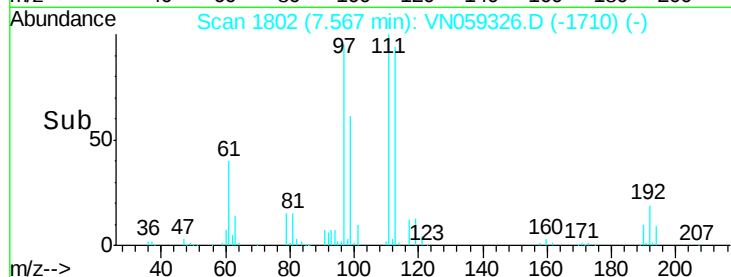
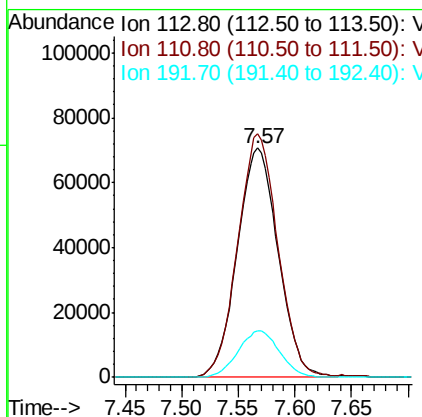
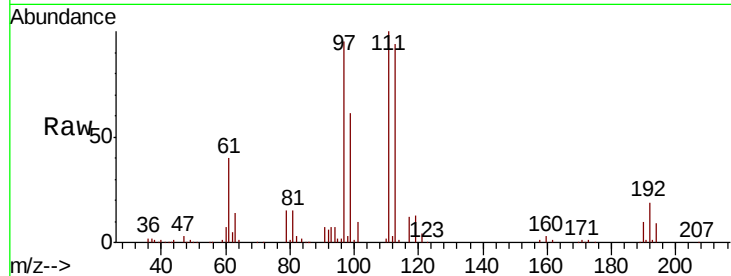
#35
 Dibromofluoromethane
 Concen: 47.890 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 17:18

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112019

Tot Ion	Ratio	Resp	Lower	Upper
113	100	177996		
111	104.0	82.7	124.1	
192	20.5	16.3	24.5	

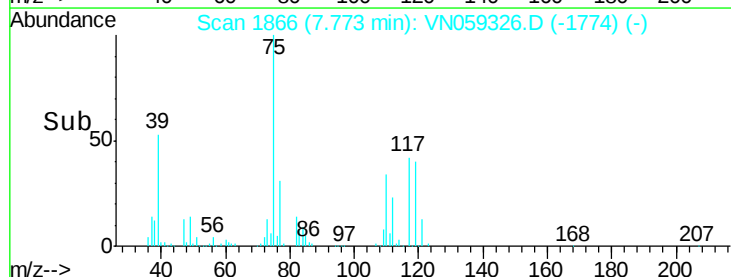
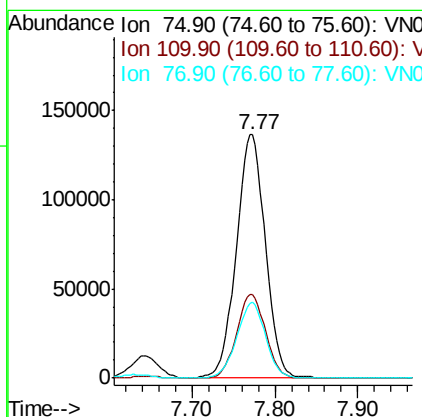
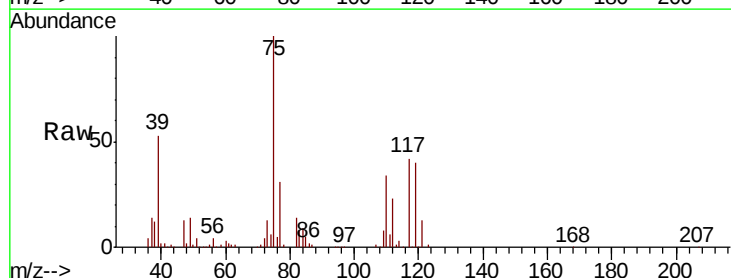
Manual Integrations
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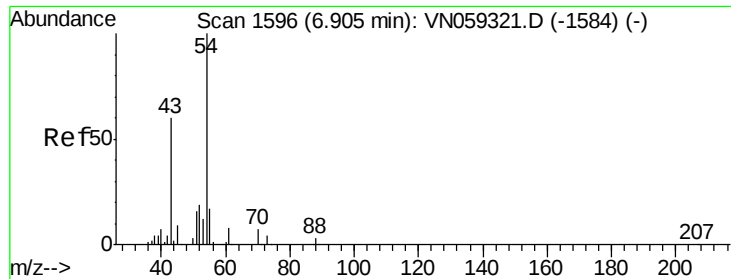
MMDadoda
 11/26/2019 9:58:51 AM



#36
 1,1-Dichloropropene
 Concen: 51.768 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	331086		
110	34.1	17.0	51.0	
77	31.1	24.8	37.2	





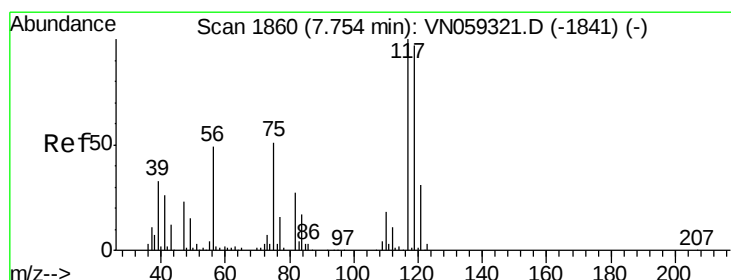
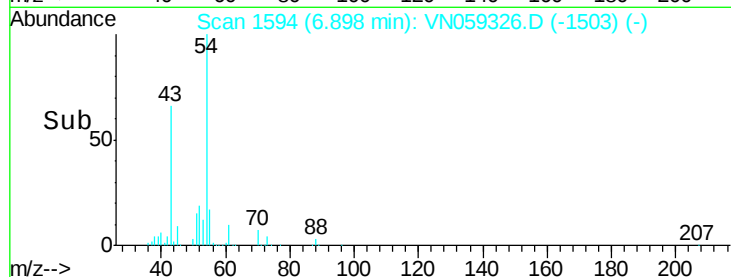
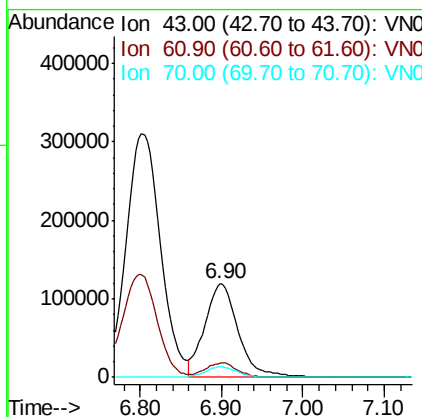
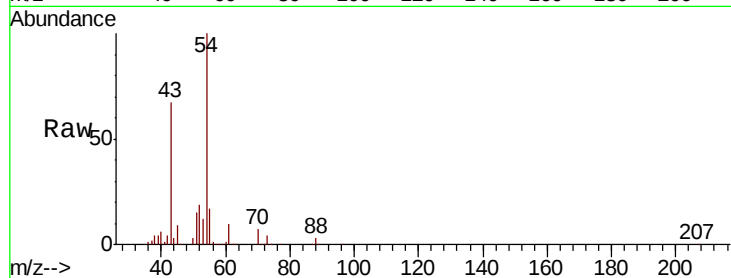
#37
Ethyl Acetate
Concen: 49.417 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. -0.01 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.0	16.6
70	10.9	8.8	13.2

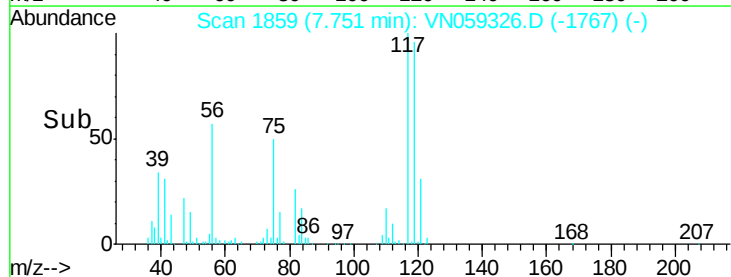
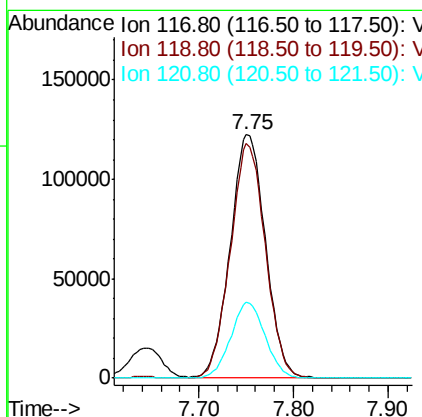
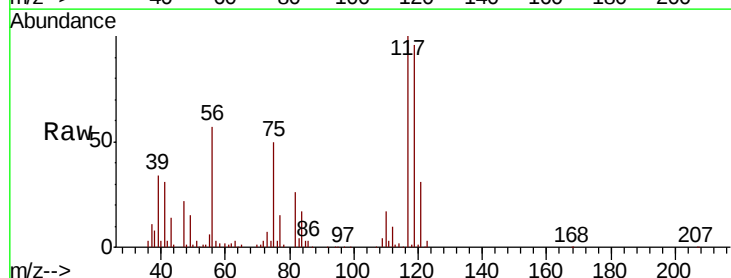
Manual Integrations
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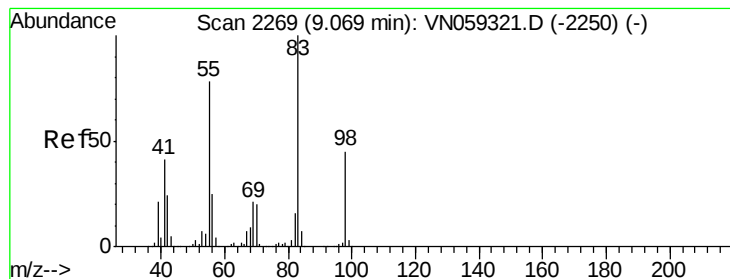
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#38
Carbon Tetrachloride
Concen: 51.832 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.0	115.4
121	31.1	24.4	36.6





#39

Methvlcvclohexane

Concen: 52.684 ug/l

RT: 9.07 min Scan# 2268

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

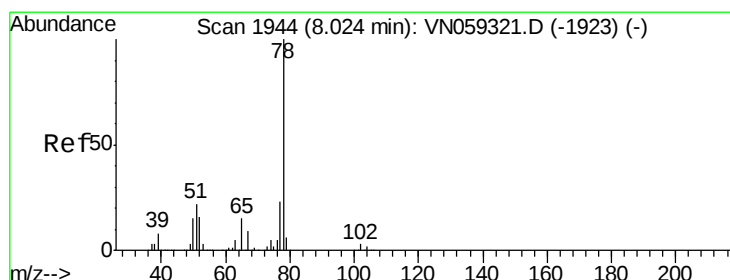
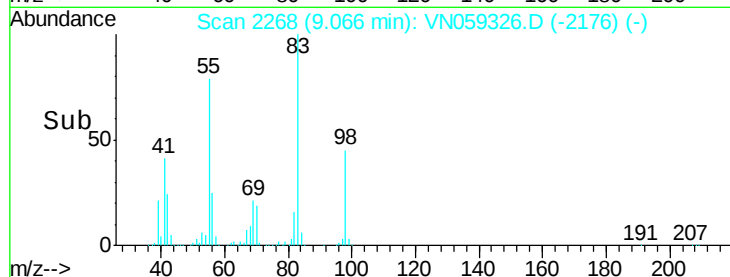
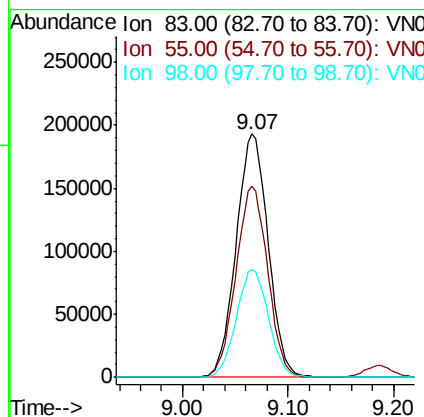
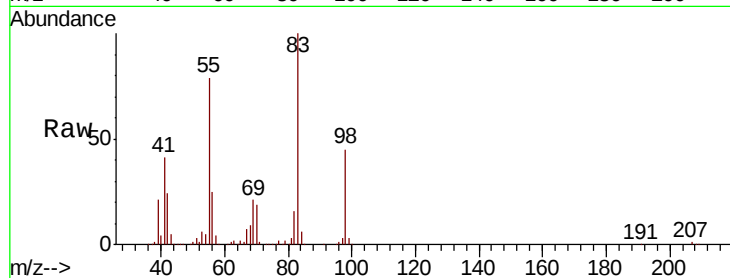
ClientSampleId :

ICVVN112019

Tot Ion:	83	Resp:	406312
Ion	Ratio	Lower	Upper
83	100		
55	78.6	62.3	93.5
98	44.6	36.0	54.0

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#40

Benzene

Concen: 52.674 ug/l

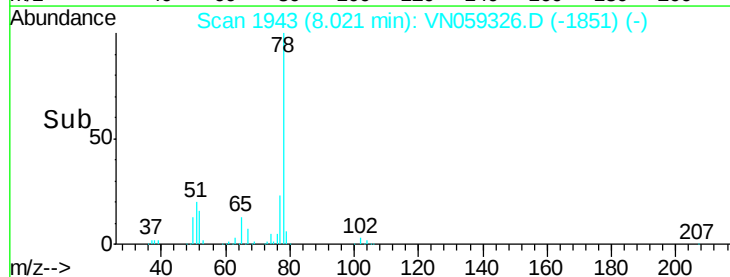
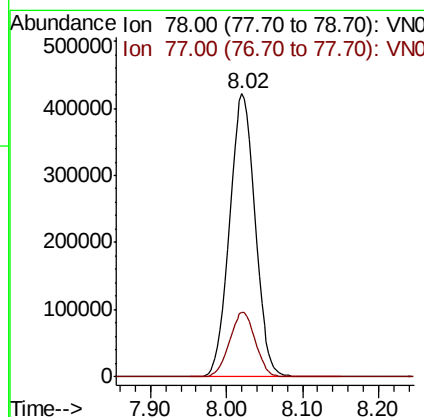
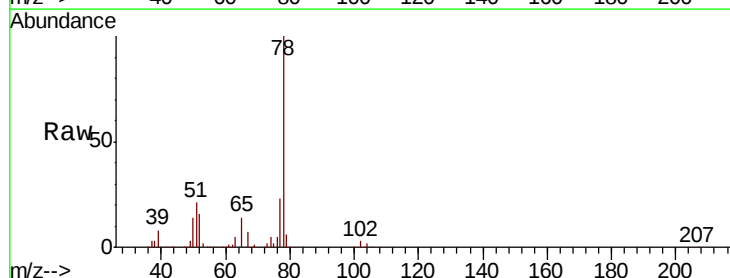
RT: 8.02 min Scan# 1943

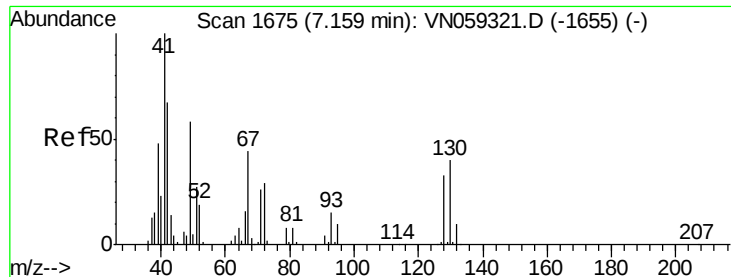
Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Tgt Ion:	78	Resp:	988738
Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.4	27.6





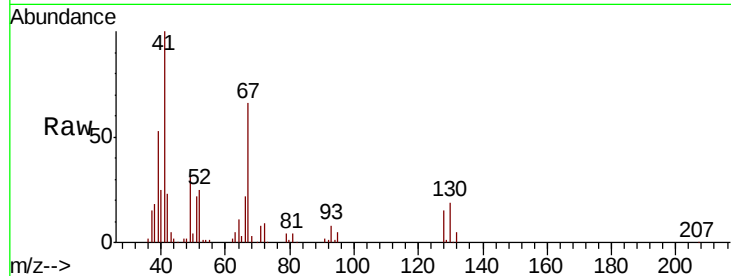
#41
Methacrylonitrile
Concen: 37.229 ug/l m
RT: 7.14 min Scan# 1670
Delta R.T. -0.02 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

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

Manual Integrations
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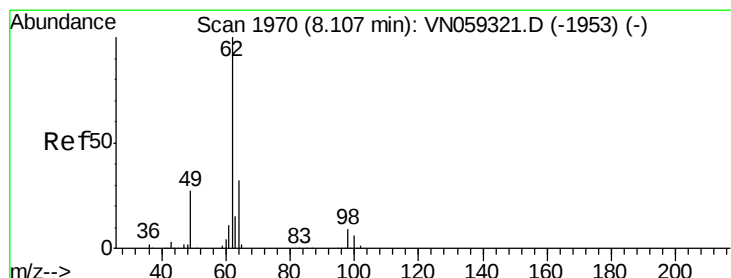
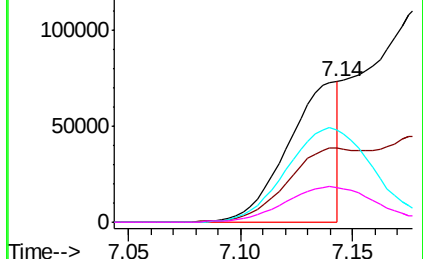
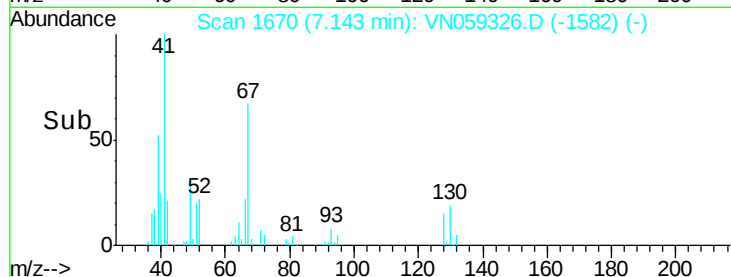


Abundance Ion 41.00 (40.70 to 41.70): VN059326.D (-1582) (-)

Ion 39.00 (38.70 to 39.70): VN059326.D (-1582) (-)

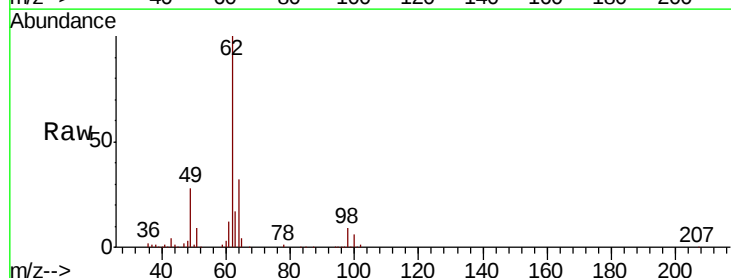
Ion 67.00 (66.70 to 67.70): VN059326.D (-1582) (-)

Ion 52.00 (51.70 to 52.70): VN059326.D (-1582) (-)



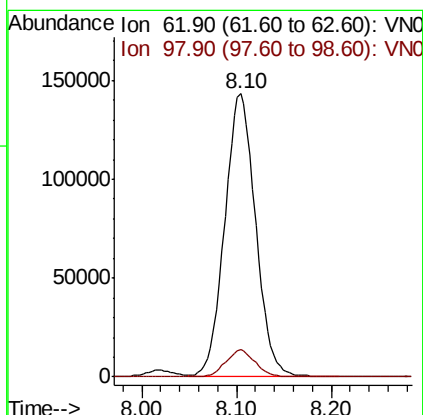
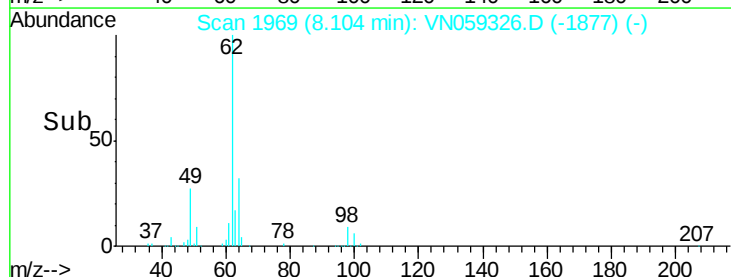
#42
1,2-Dichloroethane
Concen: 52.104 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

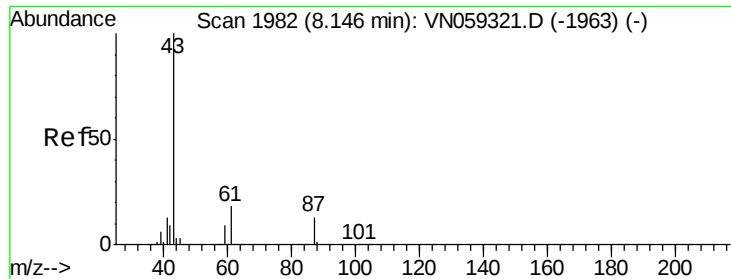
Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VN059326.D (-1877) (-)

Ion 97.90 (97.60 to 98.60): VN059326.D (-1877) (-)





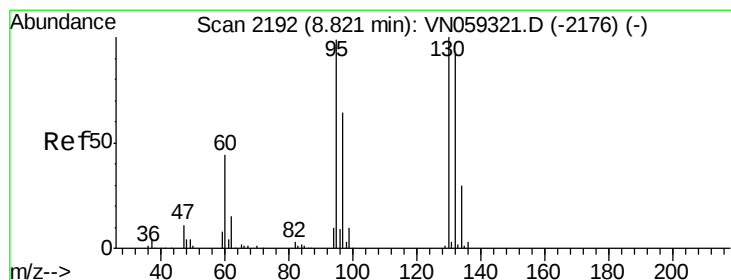
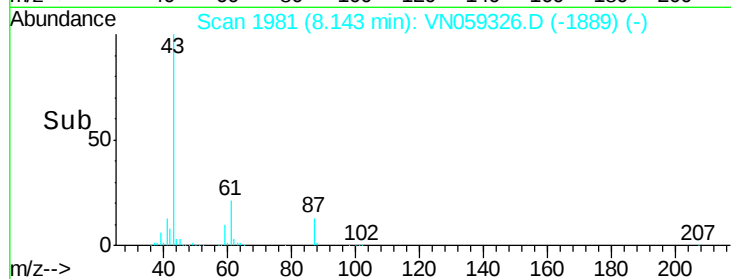
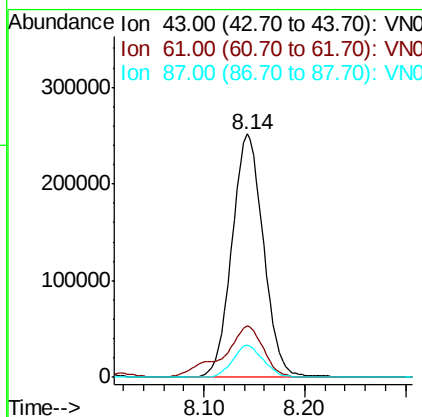
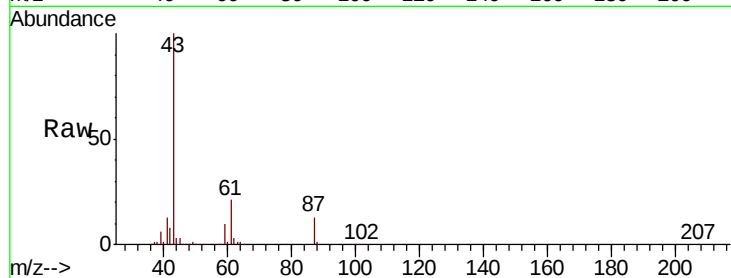
#43
Isopropyl Acetate
Concen: 51.793 ug/l
RT: 8.14 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.1	21.7	32.5
87	12.9	10.2	15.4

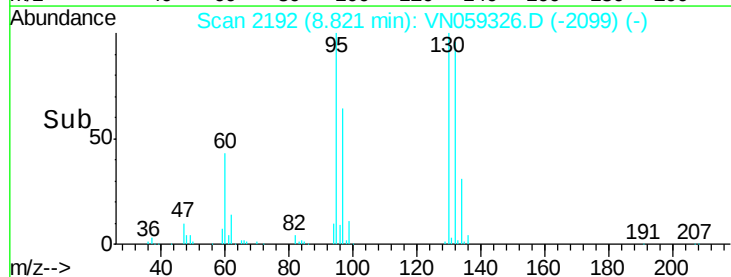
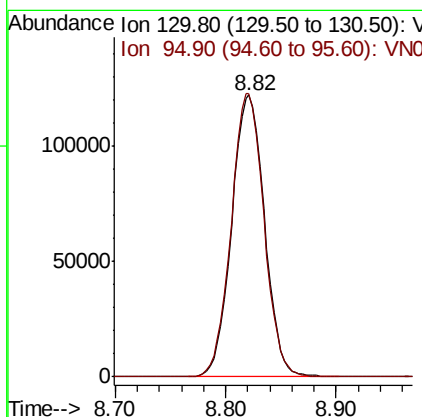
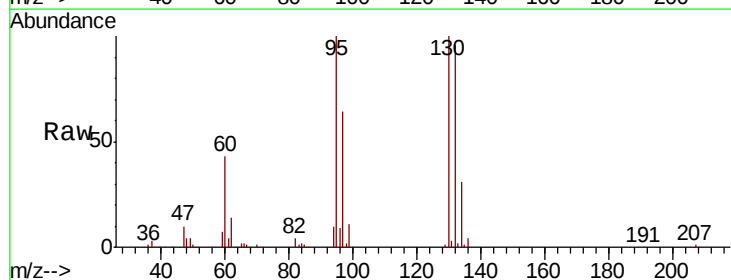
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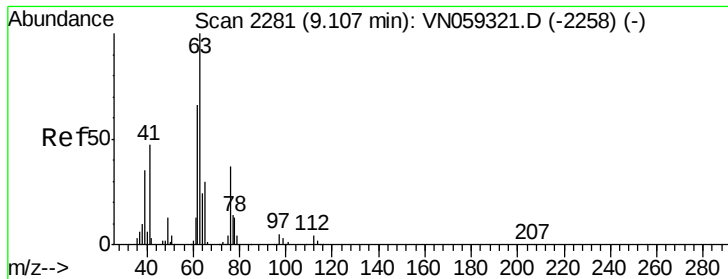
MMDadoda
11/26/2019 9:58:51 AM



#44
Trichloroethene
Concen: 52.840 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	198.4





#45

1,2-Dichloropropane

Concen: 52.640 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112019

Tot Ion: 63 Resp: 263488

Ion Ratio Lower Upper

63 100

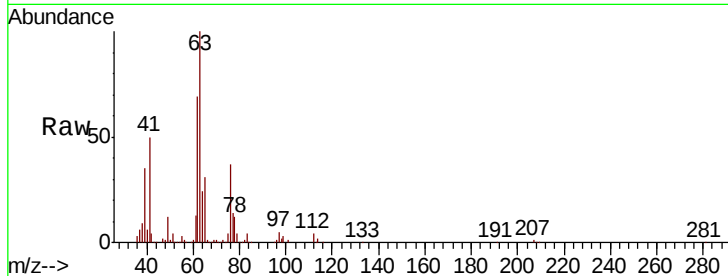
65 31.1 23.9 35.9

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

150000

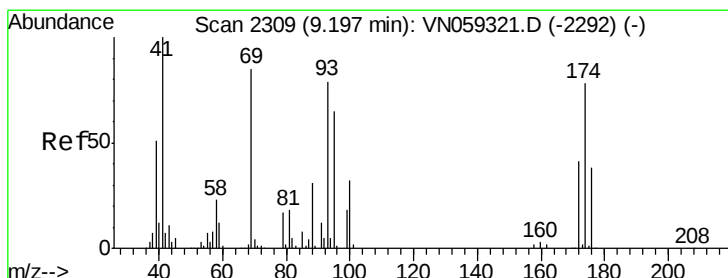
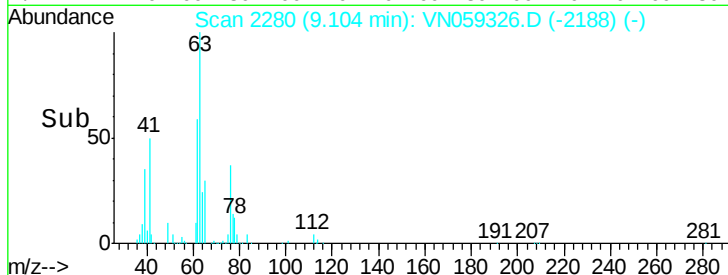
100000

50000

0

9.00 9.10 9.20

Time-->



#46

Dibromomethane

Concen: 52.016 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

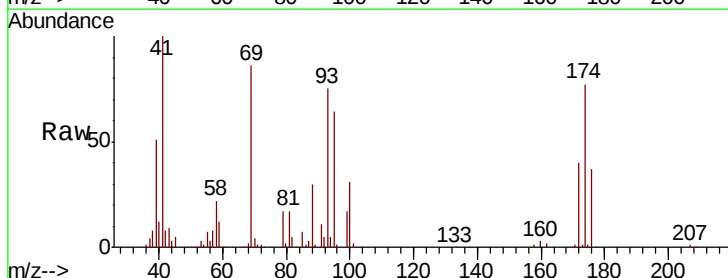
Tgt Ion: 93 Resp: 159702

Ion Ratio Lower Upper

93 100

95 83.6 66.9 100.3

174 100.6 80.6 120.8



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

100000

80000

60000

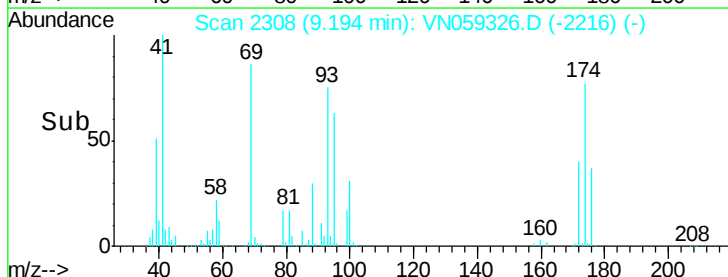
40000

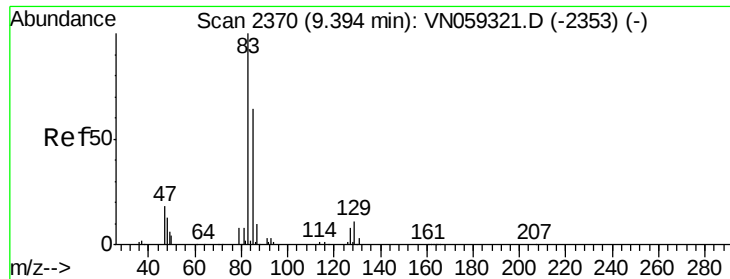
20000

0

9.10 9.20 9.30

Time-->





#47

Bromodichloromethane

Concen: 53.119 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

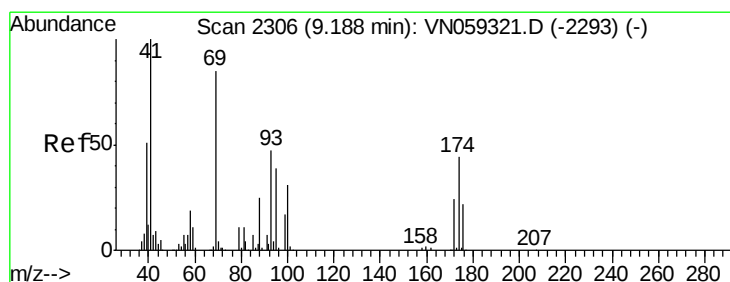
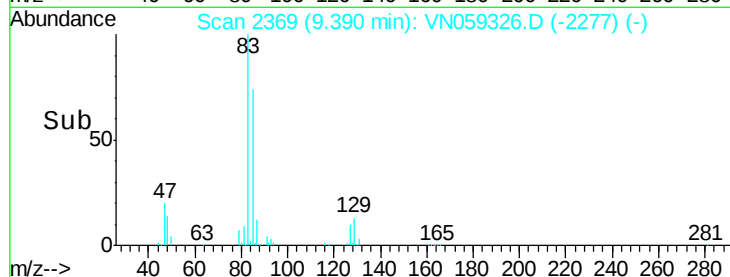
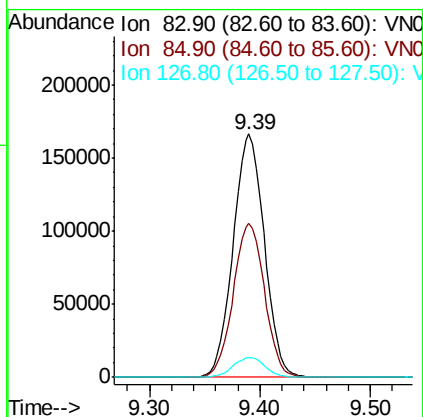
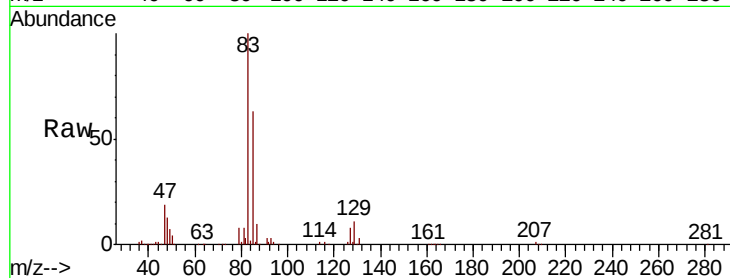
ClientSampleId :

ICVVN112019

Tot Ion:	83	Resp:	326621
Ion Ratio	Lower	Upper	
83	100		
85	63.3	51.5	77.3
127	8.2	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.117 ug/l

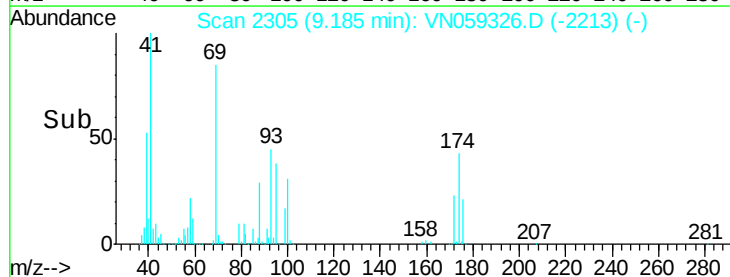
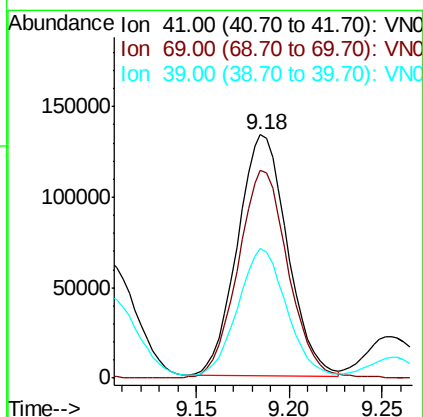
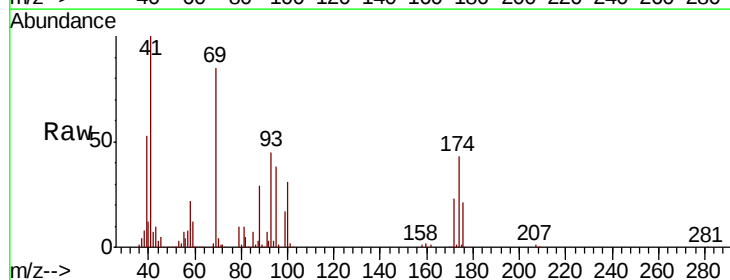
RT: 9.18 min Scan# 2305

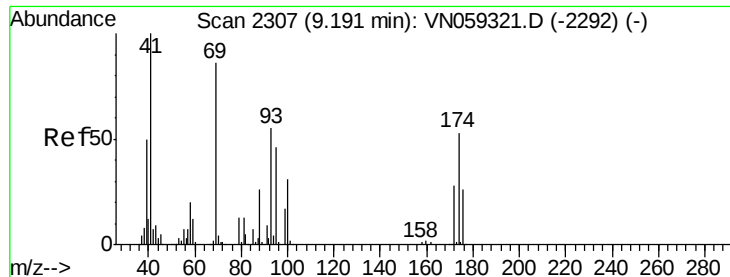
Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Tgt Ion:	41	Resp:	248960
Ion Ratio	Lower	Upper	
41	100		
69	87.5	68.8	103.2
39	53.3	42.1	63.1





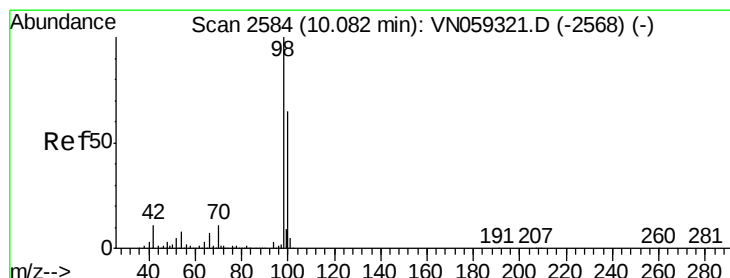
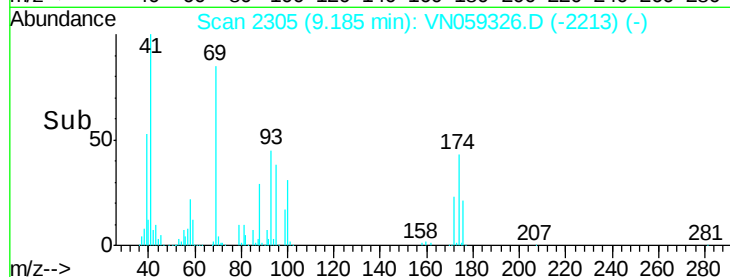
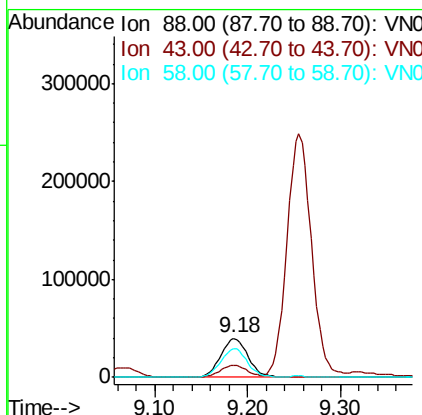
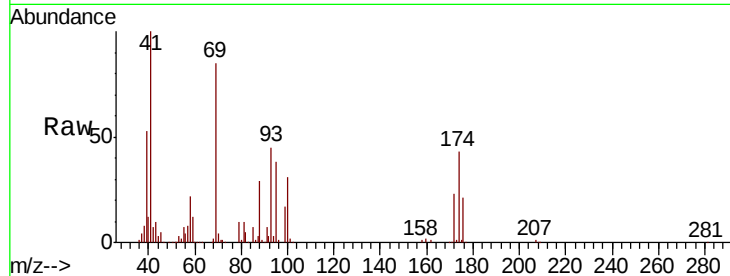
#49
1,4-Dioxane
Concen: 1141.167 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.01 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.3	26.9	40.3
58	71.3	59.2	88.8

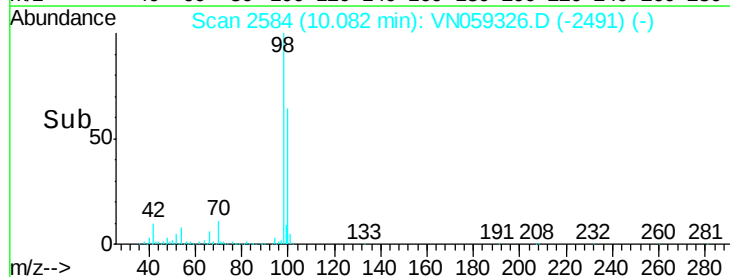
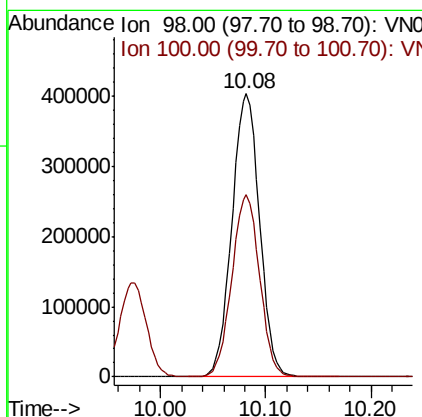
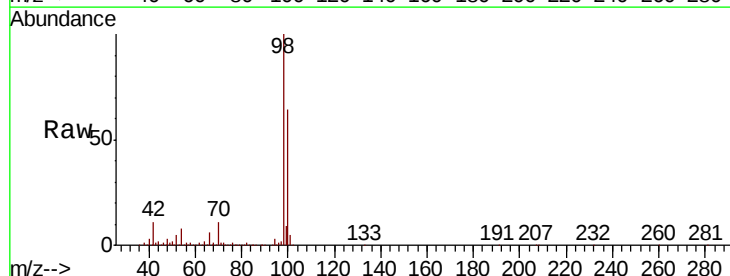
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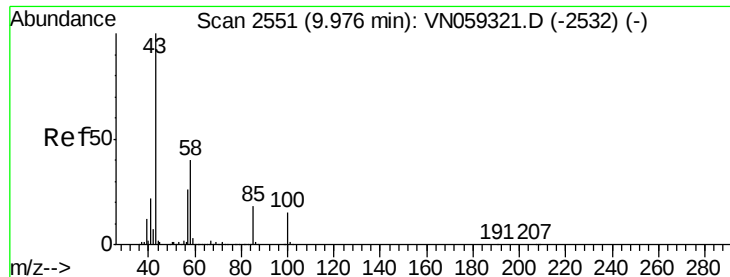
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#50
Toluene-d8
Concen: 49.596 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 270.998 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112019

Tot Ion: 43 Resp: 1666269

Ion Ratio Lower Upper

43 100

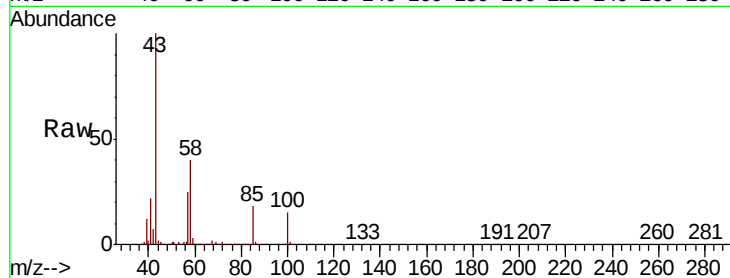
58 40.2 31.8 47.8

Manual Integrations

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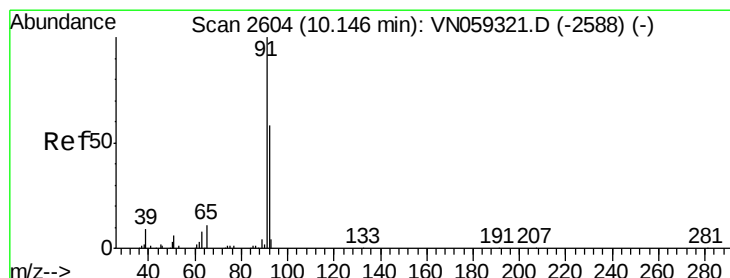
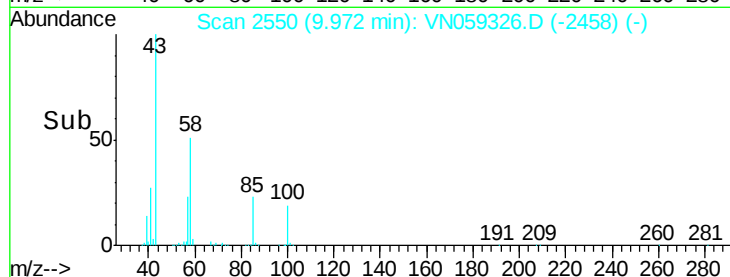
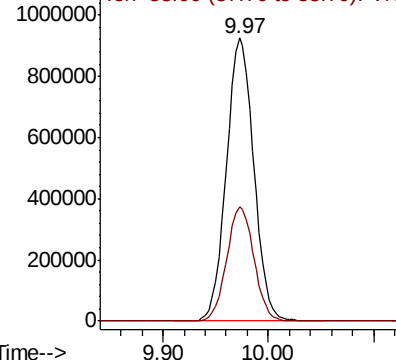
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 53.104 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN059326.D

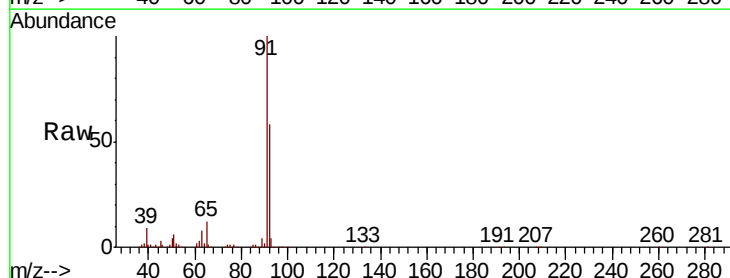
Acq: 20 Nov 2019 17:18

Tgt Ion: 92 Resp: 599375

Ion Ratio Lower Upper

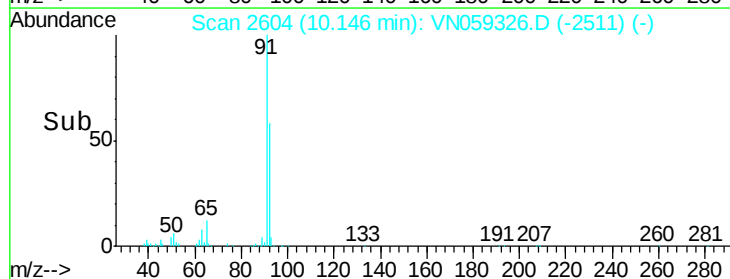
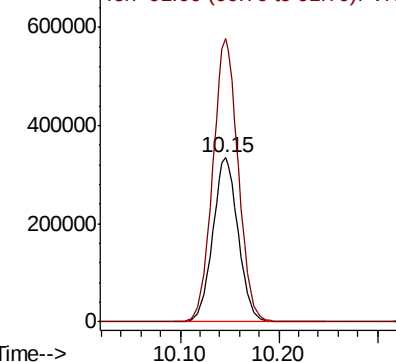
92 100

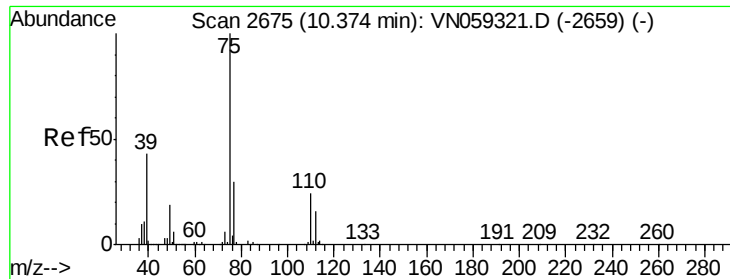
91 172.8 137.9 206.9



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: 53.959 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112019

Tot Ion: 75 Resp: 385683

Ion Ratio Lower Upper

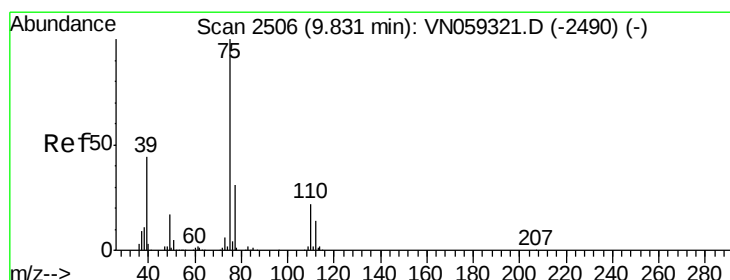
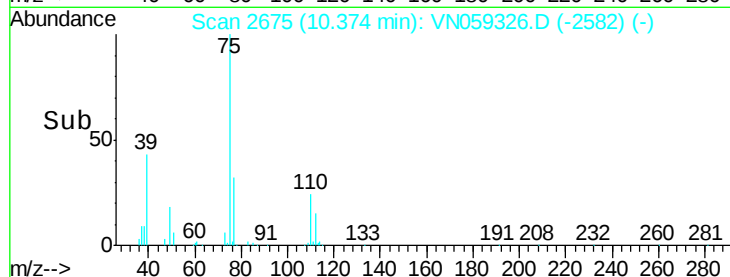
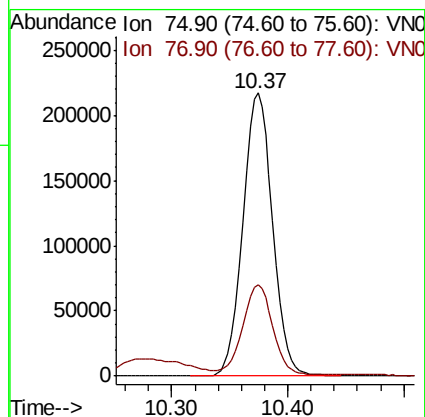
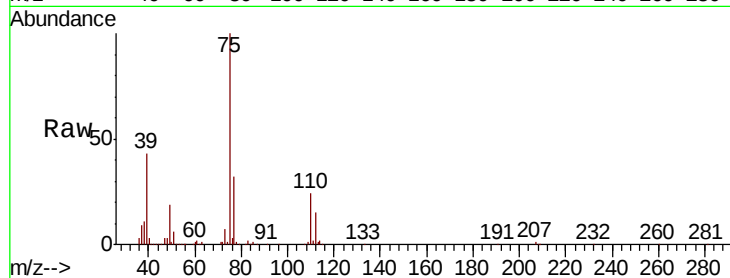
75 100

77 31.7 25.5 38.3

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#54

cis-1,3-Dichloropropene

Concen: 53.671 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

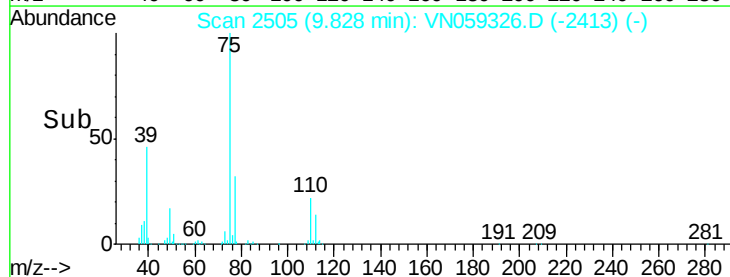
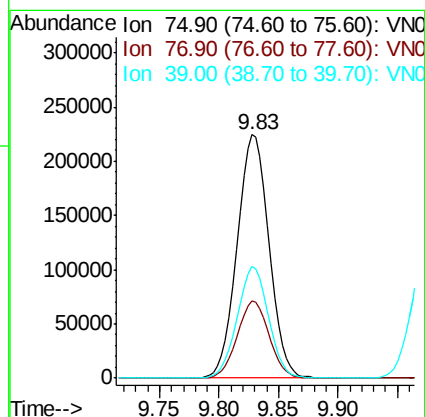
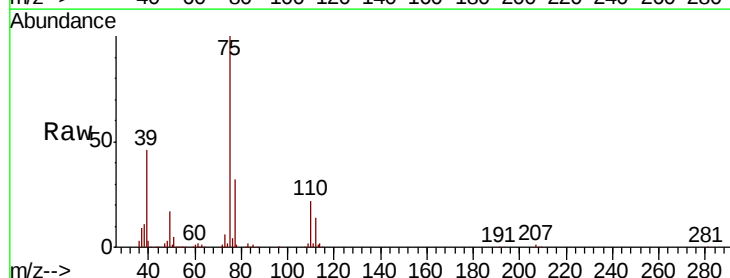
Tgt Ion: 75 Resp: 416285

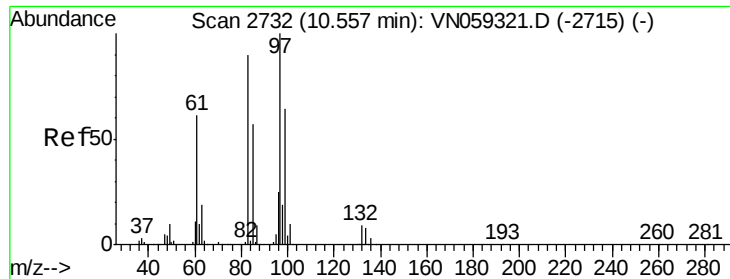
Ion Ratio Lower Upper

75 100

77 31.5 25.0 37.4

39 45.6 35.5 53.3





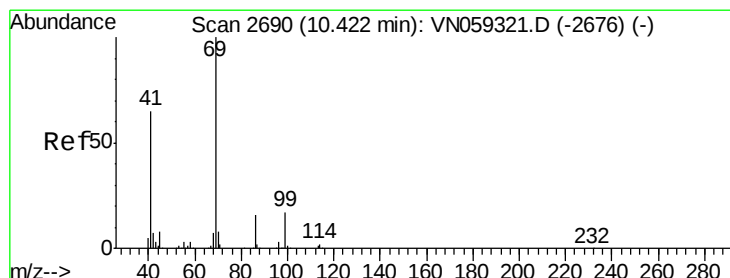
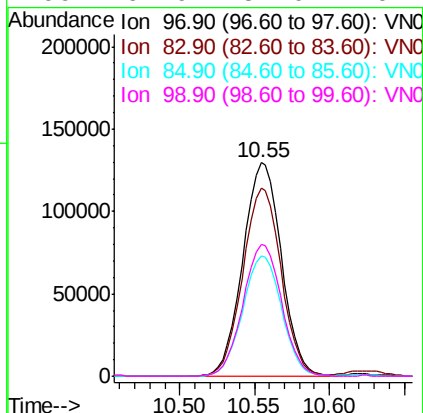
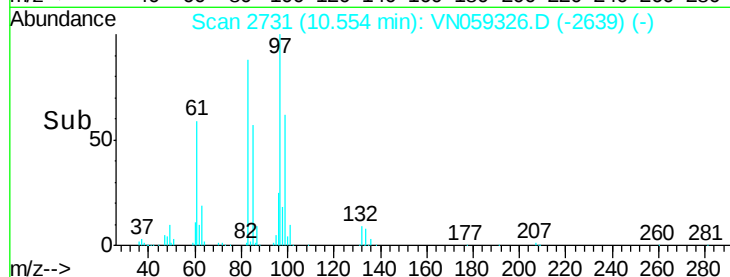
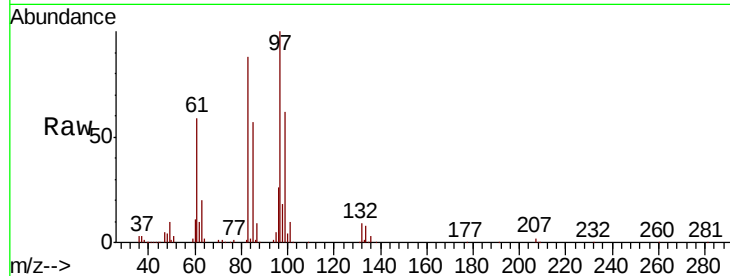
#55
 1,1,2-Trichloroethane
 Concen: 53.047 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 17:18

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112019

Tot Ion:	97	Resp:	232794
Ion	Ratio	Lower	Upper
97	100		
83	88.1	72.0	108.0
85	56.5	45.8	68.6
99	61.9	51.0	76.4

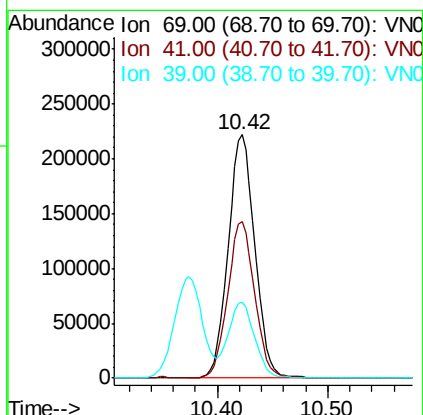
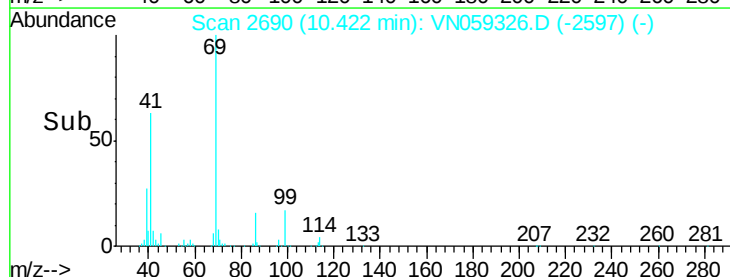
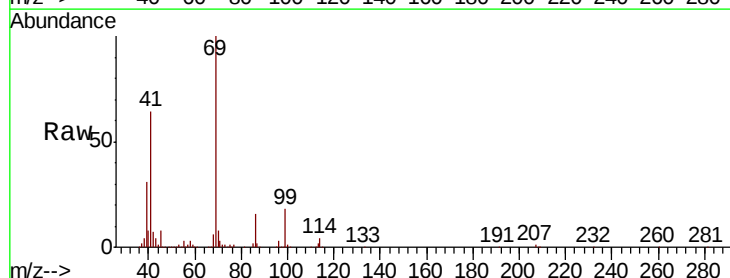
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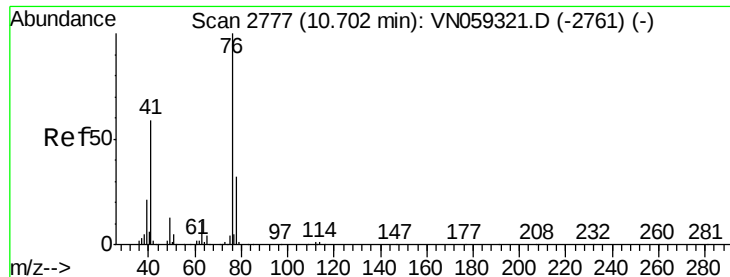
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#56
 Ethyl methacrylate
 Concen: 50.139 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 17:18

Tgt Ion:	69	Resp:	371655
Ion	Ratio	Lower	Upper
69	100		
41	64.4	51.7	77.5
39	30.7	25.2	37.8





#57

1,3-Dichloropropane

Concen: 52.650 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112019

Tot Ion: 76 Resp: 402698

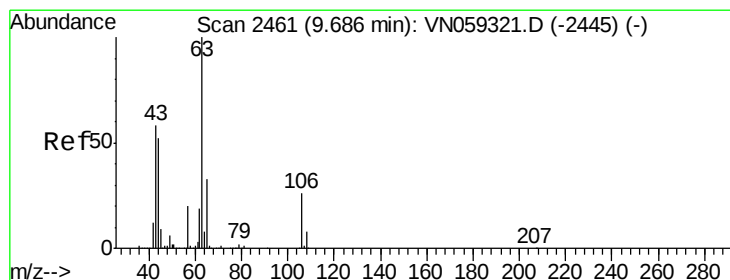
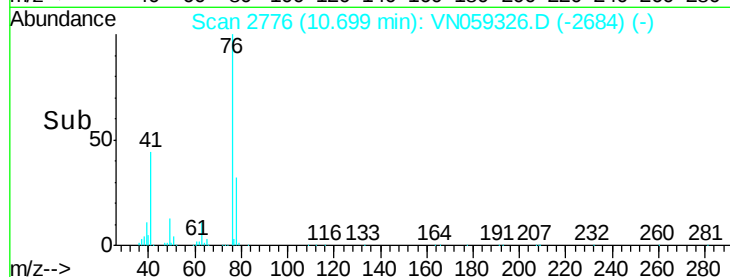
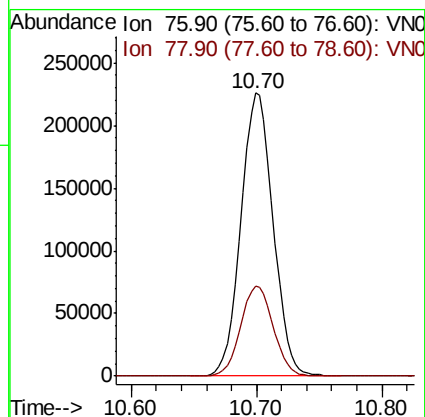
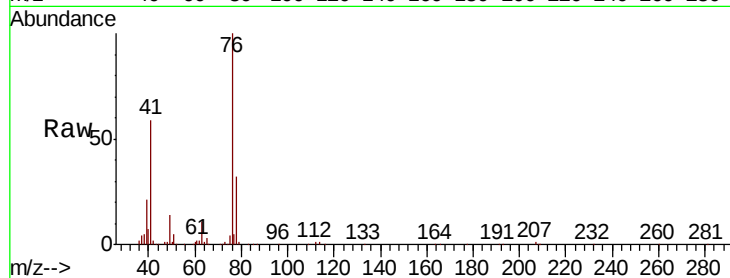
Ion Ratio Lower Upper

76 100

78 32.3 26.0 39.0

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11/26/2019 9:58:51 AM



#58

2-Chloroethyl Vinyl ether

Concen: 248.562 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059326.D

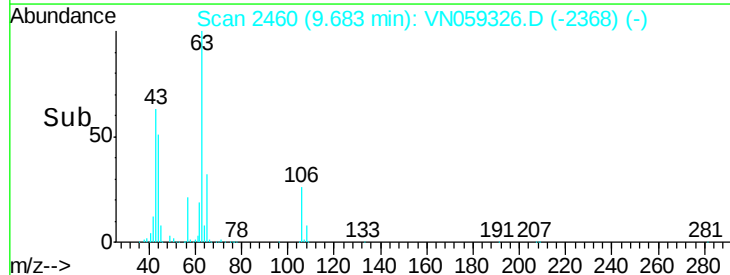
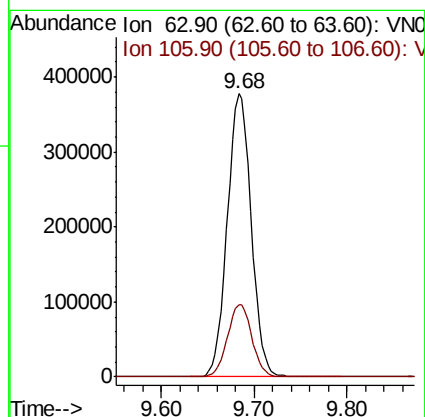
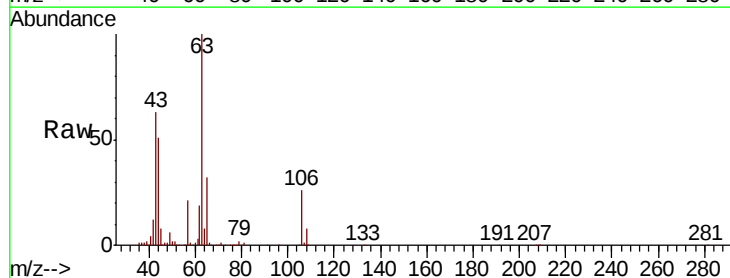
Acq: 20 Nov 2019 17:18

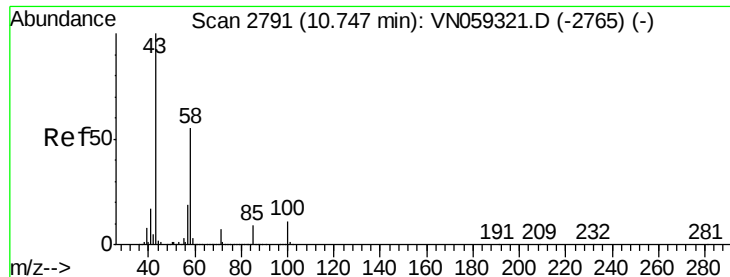
Tgt Ion: 63 Resp: 675806

Ion Ratio Lower Upper

63 100

106 26.1 20.5 30.7





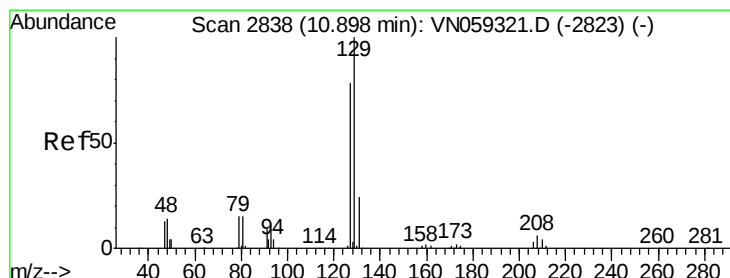
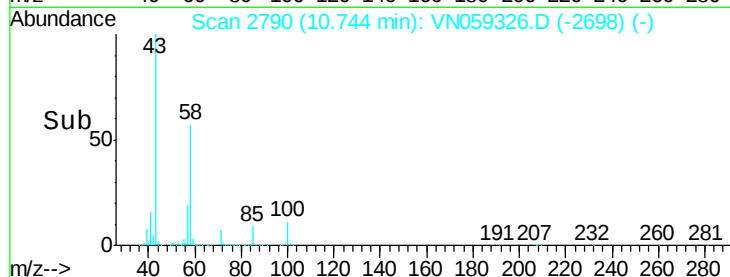
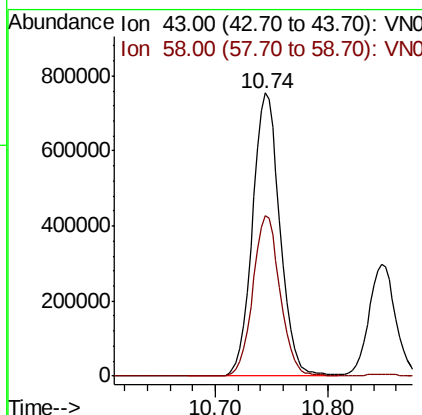
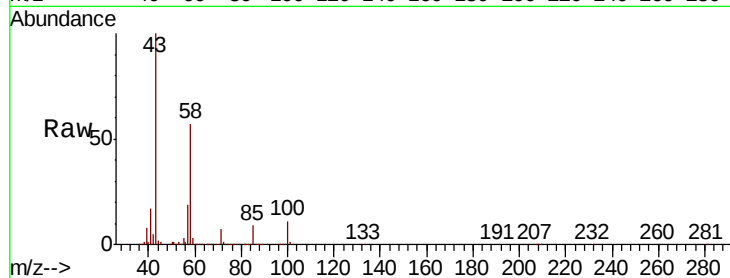
#59
2-Hexanone
Concen: 282.612 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion: 43 Resp: 1272403
Ion Ratio Lower Upper
43 100
58 56.3 27.7 83.0

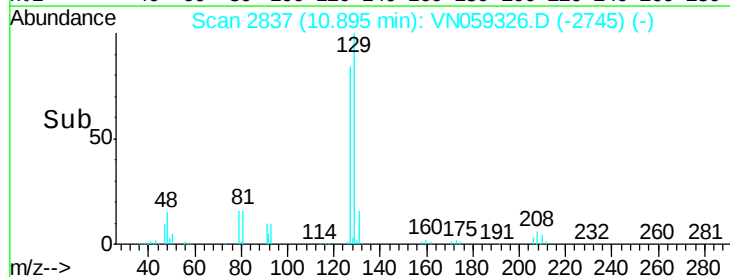
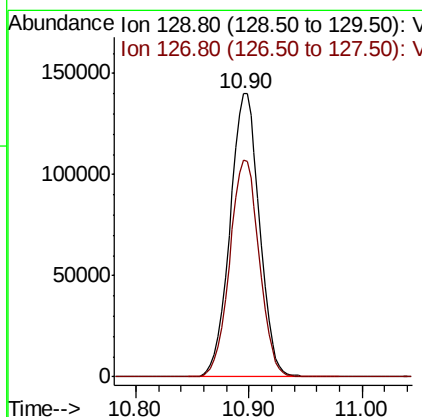
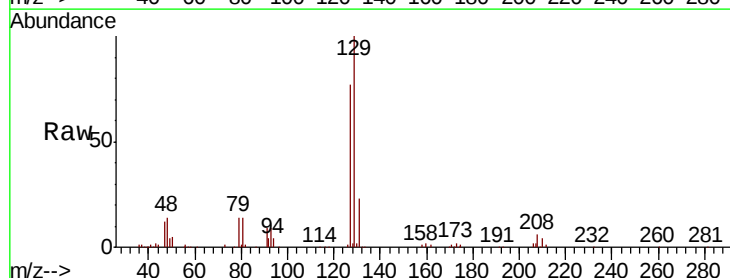
Manual Integrations
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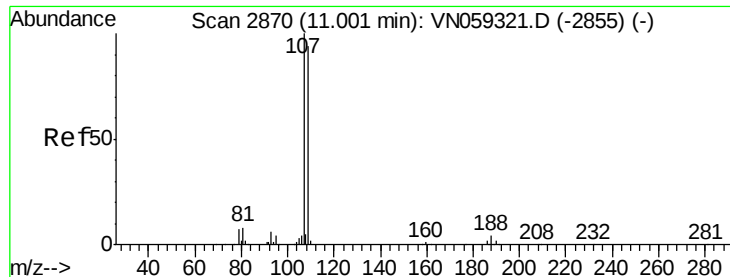
MMDadoda
11/26/2019 9:58:51 AM



#60
Dibromochloromethane
Concen: 54.857 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Tgt Ion: 129 Resp: 253678
Ion Ratio Lower Upper
129 100
127 76.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 53.114 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112019

Tot Ion: 107 Resp: 242526

Ion Ratio Lower Upper

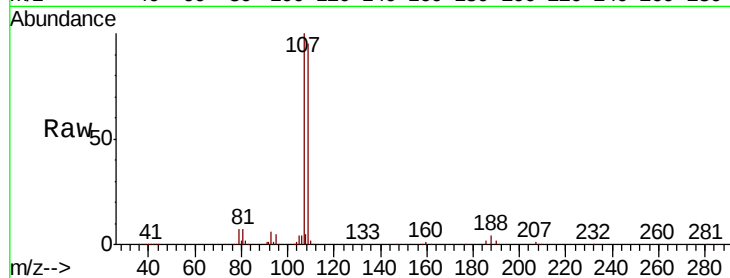
107 100

109 94.2 75.4 113.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

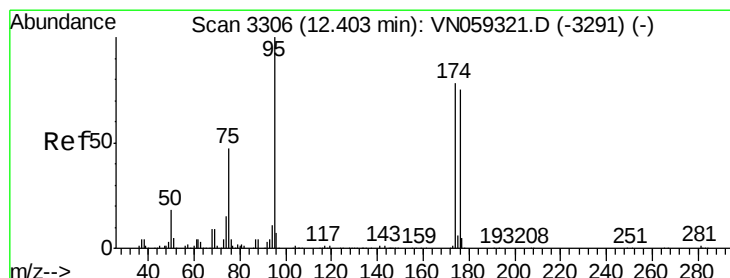
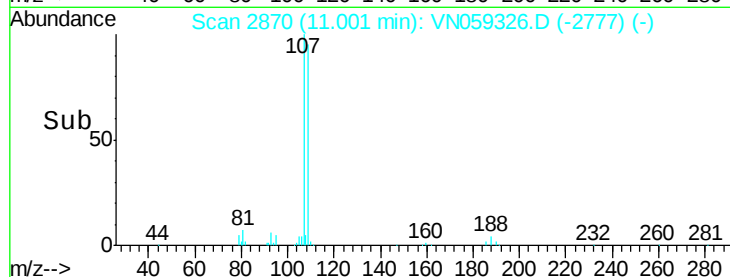
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 51.080 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

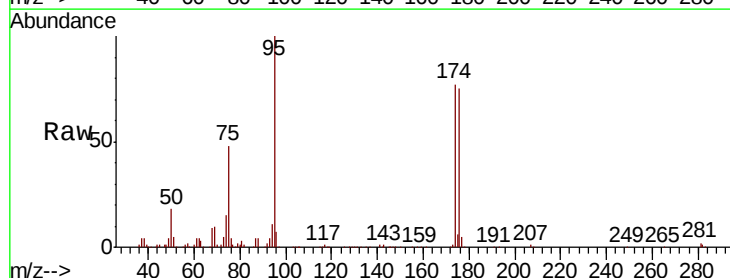
Tgt Ion: 95 Resp: 263903

Ion Ratio Lower Upper

95 100

174 78.6 0.0 157.4

176 75.5 0.0 151.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

200000

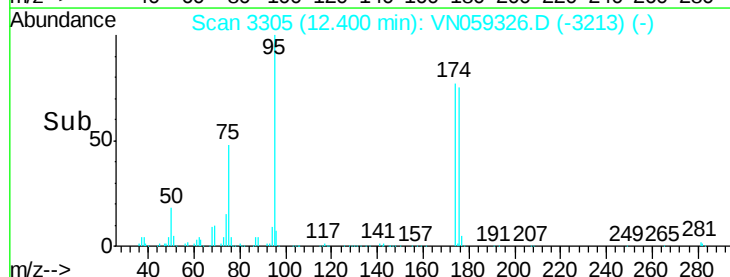
150000

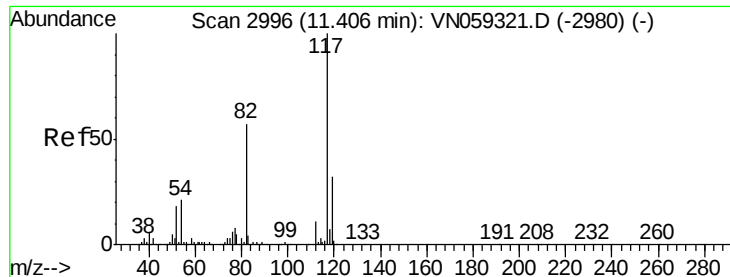
100000

50000

0

Time--> 12.35 12.40 12.45





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

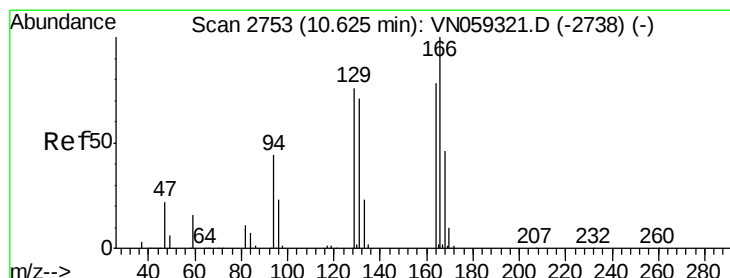
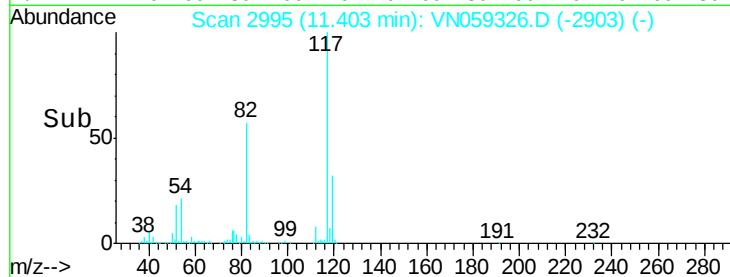
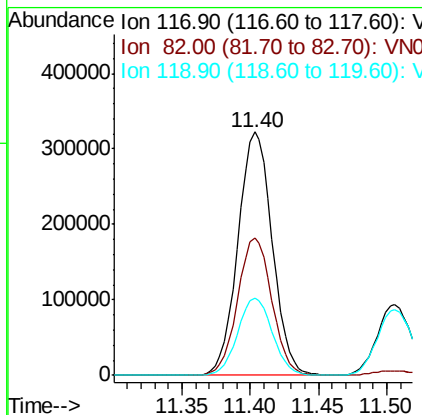
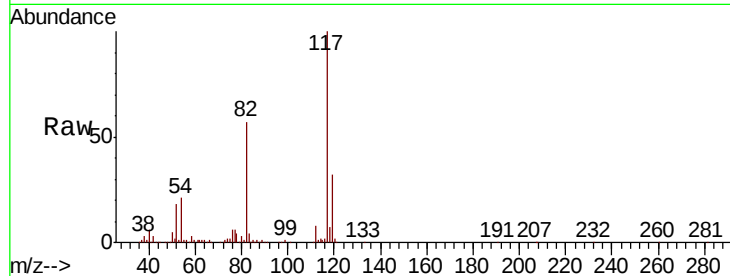
ClientSampleId :

ICVFN112019

Tot Ion:	117	Resp:	564090
Ion Ratio	Lower	Upper	
117	100		
82	56.6	45.7	68.5
119	31.6	25.8	38.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 54.503 ug/l

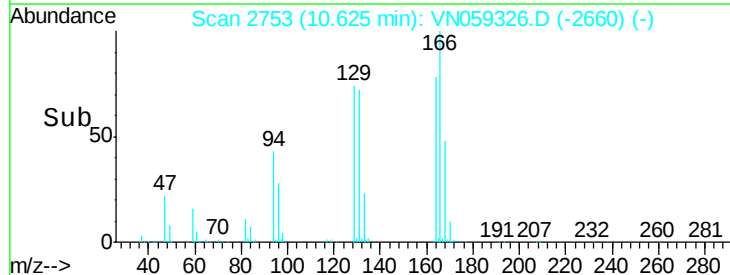
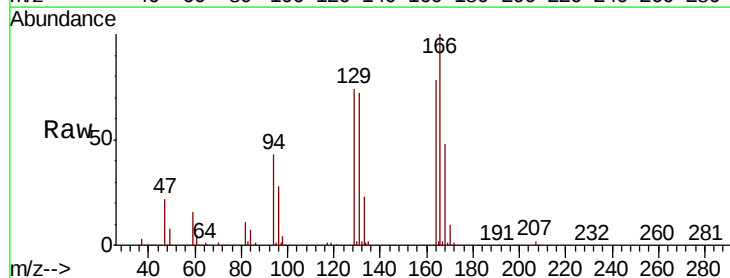
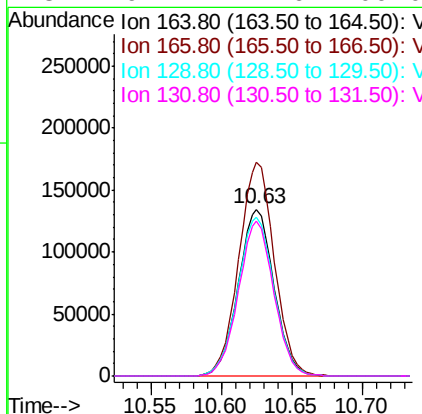
RT: 10.63 min Scan# 2753

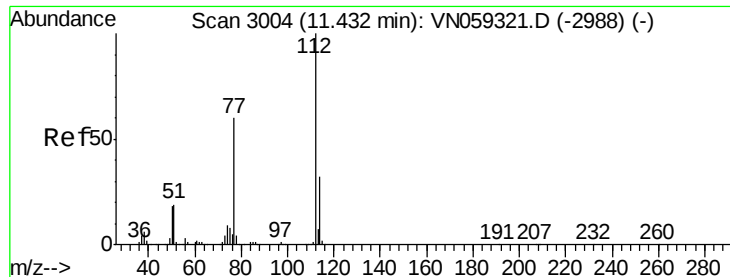
Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Tgt Ion:	164	Resp:	237783
Ion Ratio	Lower	Upper	
164	100		
166	128.0	102.9	154.3
129	95.0	78.2	117.2
131	92.7	72.6	109.0





#65

Chlorobenzene

Concen: 51.746 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112019

Tot Ion:112 Resp: 627631

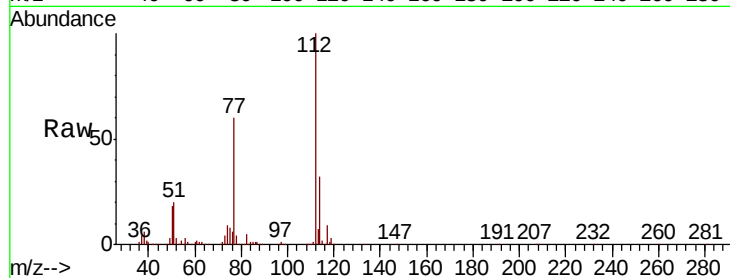
Ion Ratio Lower Upper

112 100

114 32.0 25.8 38.6

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

400000

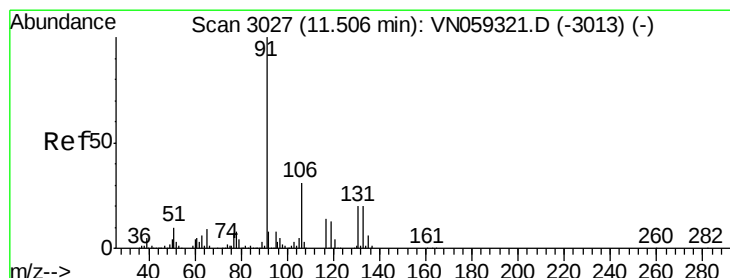
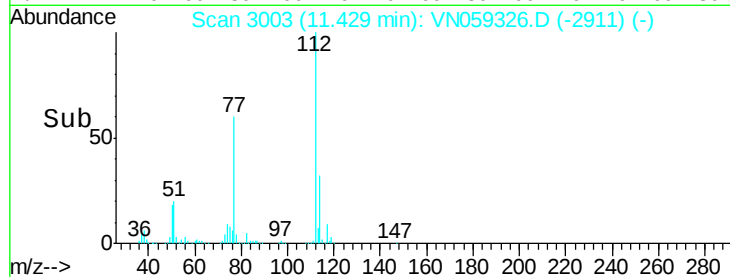
300000

200000

100000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 52.222 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

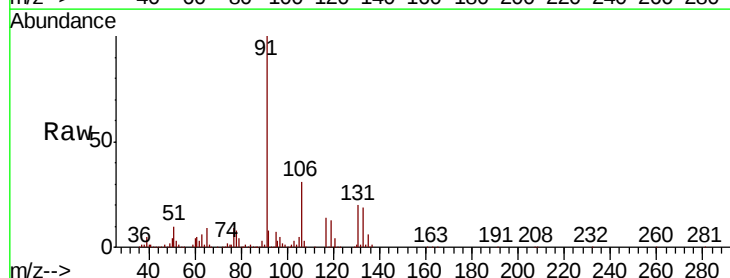
Tgt Ion:131 Resp: 230110

Ion Ratio Lower Upper

131 100

133 96.8 48.2 144.6

119 67.7 33.6 100.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.51

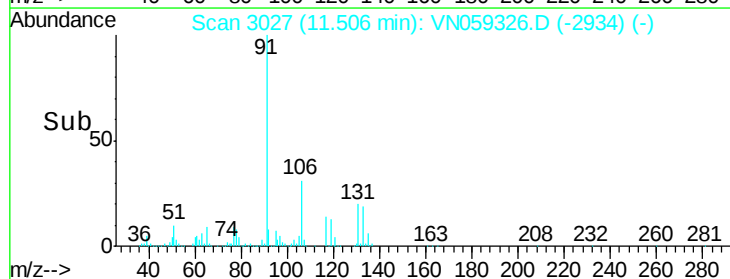
150000

100000

50000

0

Time-->





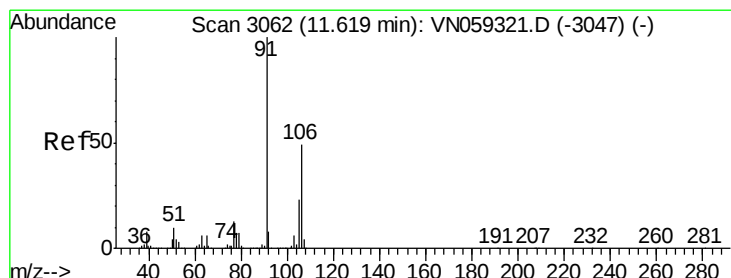
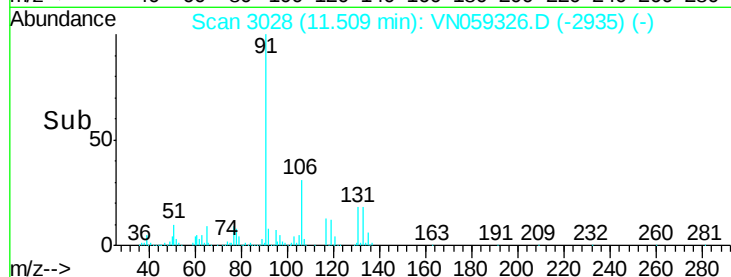
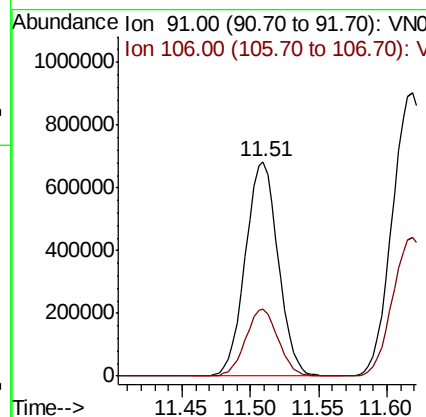
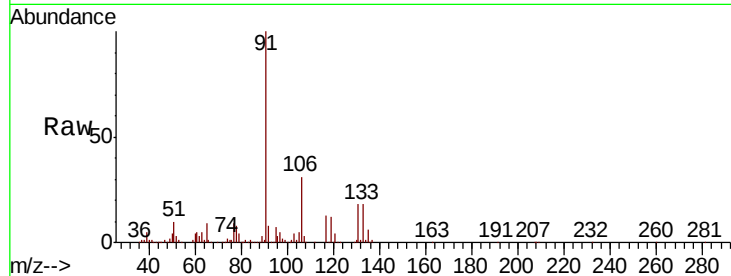
#67
Ethyl Benzene
Concen: 52.756 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampled :
ICVVN112019

Tot Ion: 91 Resp: 1142504
Ion Ratio Lower Upper
91 100
106 31.3 24.6 37.0

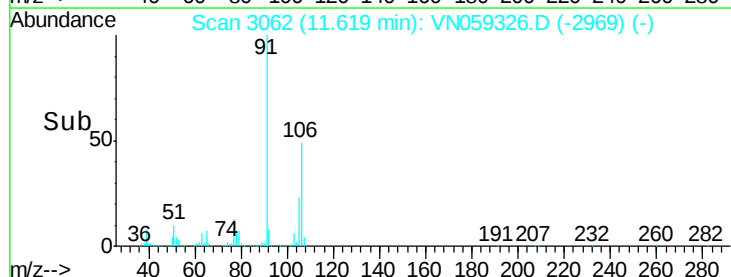
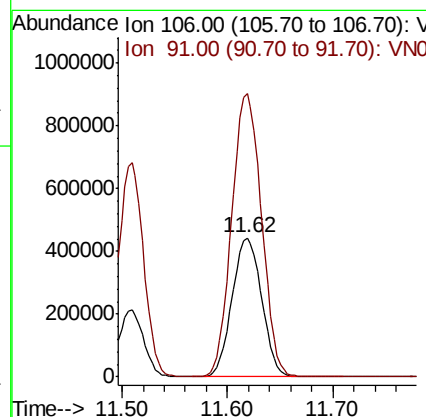
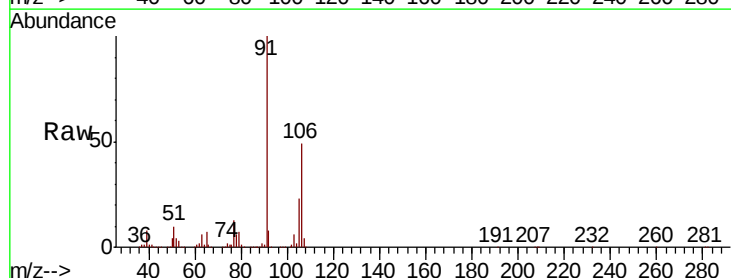
Manual Integrations
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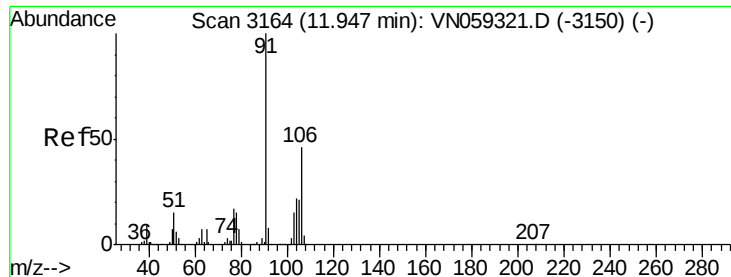
MMDadoda
11/26/2019 9:58:51 AM



#68
m/p-Xylenes
Concen: 107.064 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Tgt Ion: 106 Resp: 861560
Ion Ratio Lower Upper
106 100
91 204.7 163.2 244.8





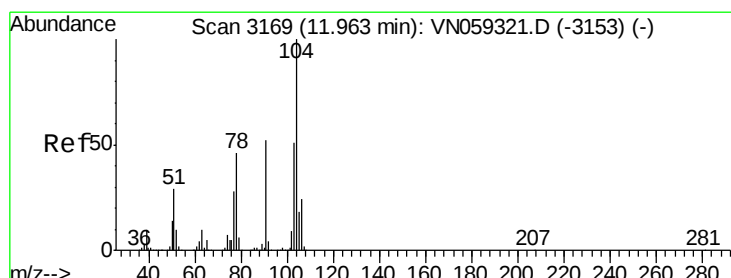
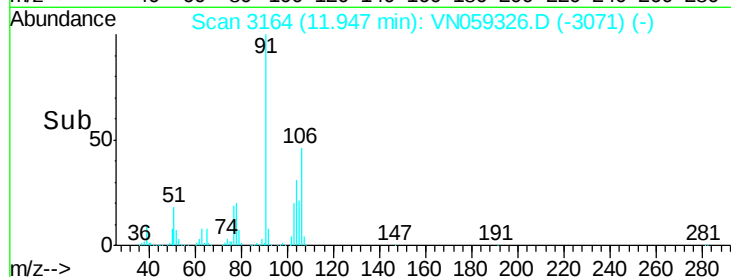
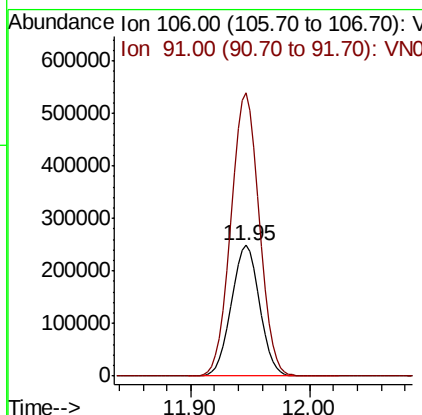
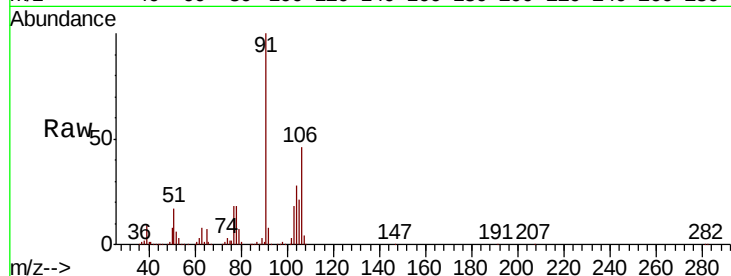
#69
o-Xylene
Concen: 53.142 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion:106 Resp: 409407
Ion Ratio Lower Upper
106 100
91 217.3 109.3 327.9

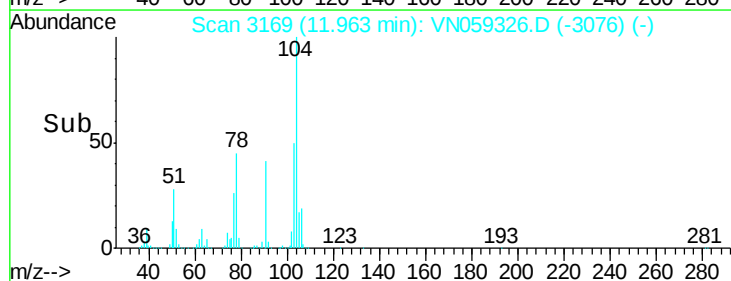
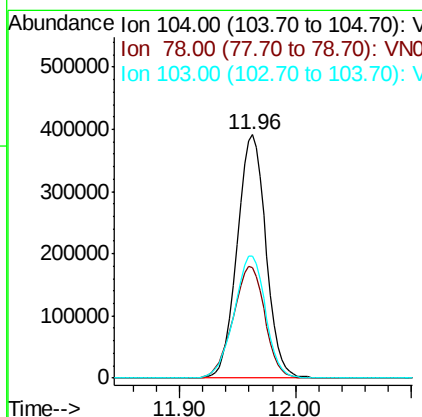
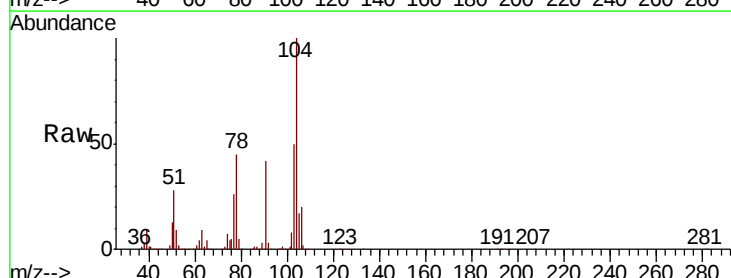
Manual Integrations
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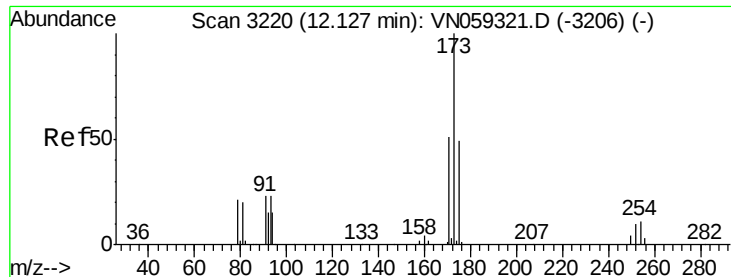
MMDadoda
11/26/2019 9:58:51 AM



#70
Styrene
Concen: 55.336 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Tgt Ion:104 Resp: 672666
Ion Ratio Lower Upper
104 100
78 50.9 40.3 60.5
103 54.8 43.6 65.4





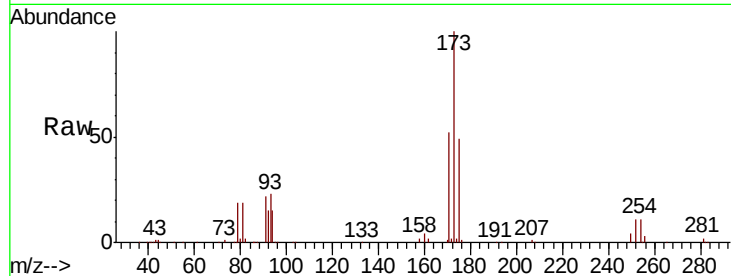
#71
Bromoform
Concen: 53.182 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampled :
ICVVN112019

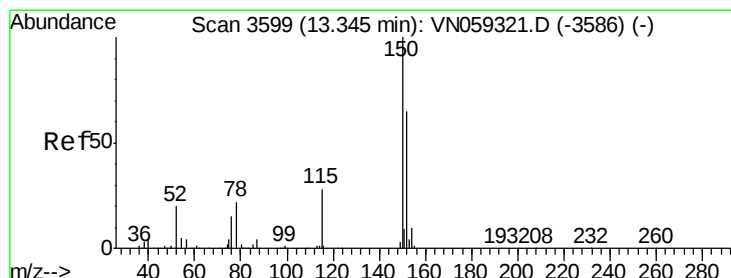
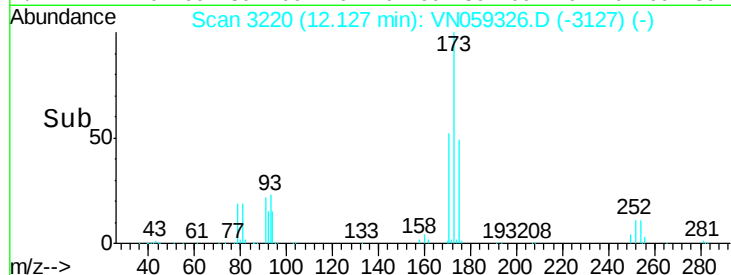
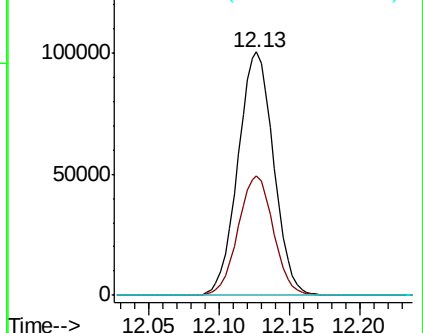
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.6	73.6
254	0.1	0.1	0.1

Manual Integrations
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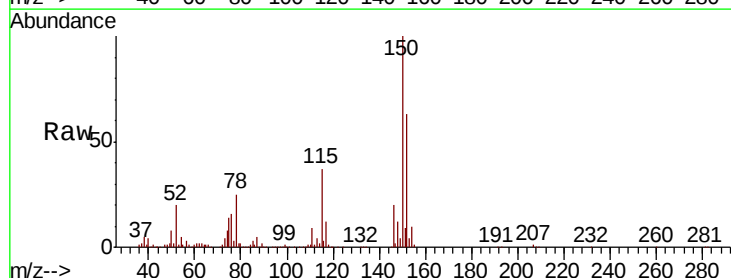


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

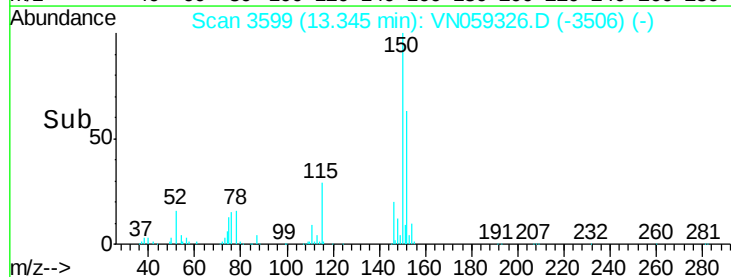
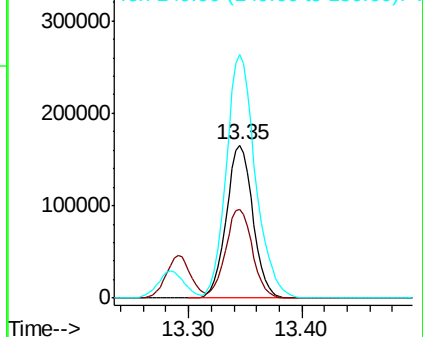


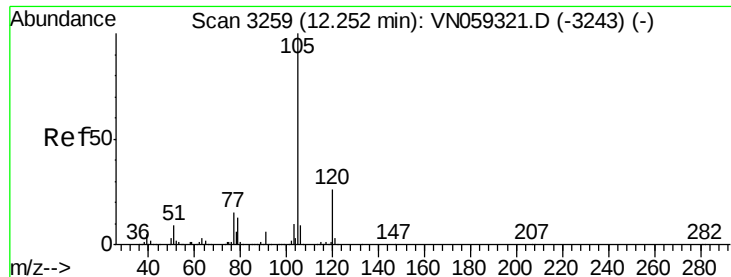
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.3	88.0
150	174.7	0.0	346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





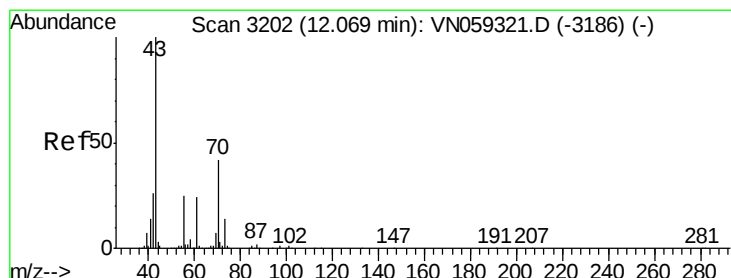
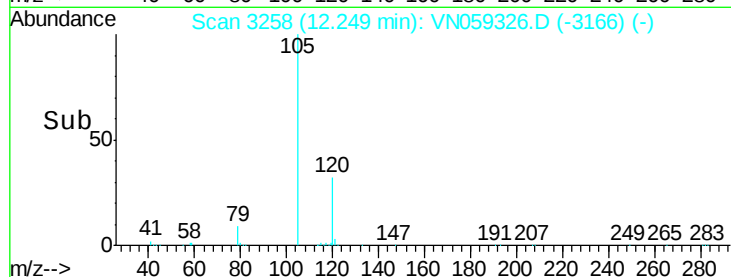
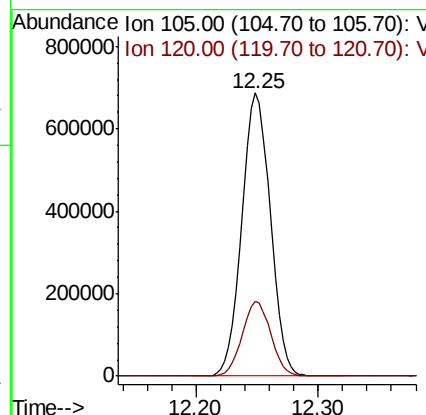
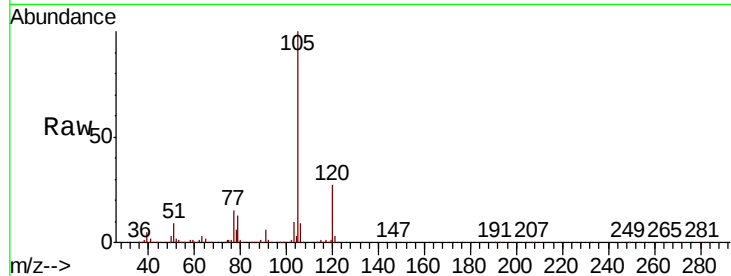
#73
Isopropylbenzene
Concen: 50.312 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.1	39.3

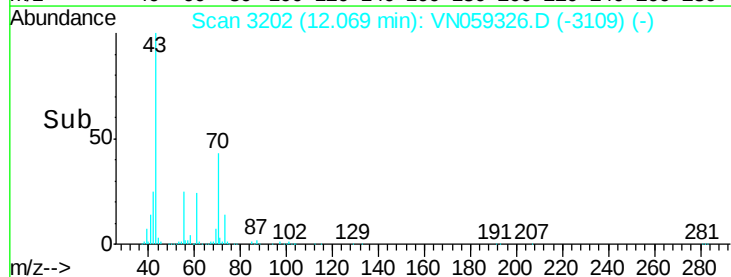
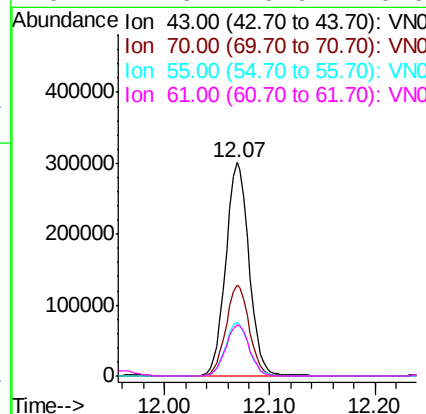
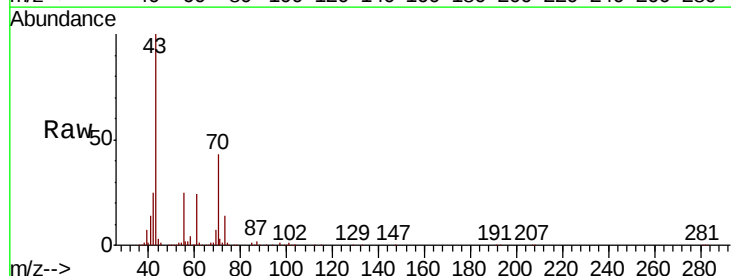
Manual Integrations
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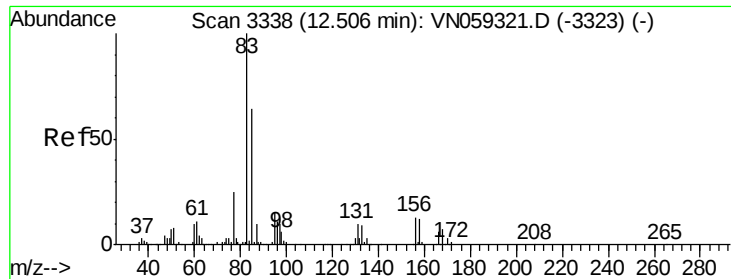
MMDadoda
11/26/2019 9:58:51 AM



#74
N-ethyl acetate
Concen: 51.745 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.7	33.8	50.6
55	25.5	20.3	30.5
61	24.6	19.9	29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 47.177 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

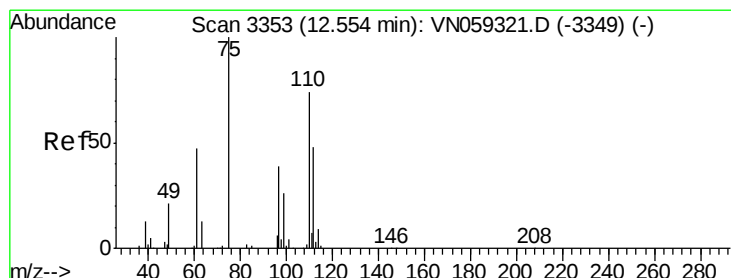
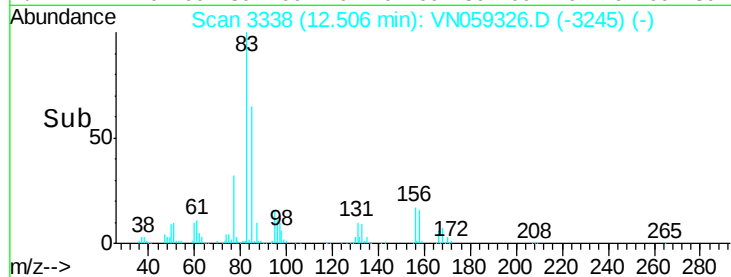
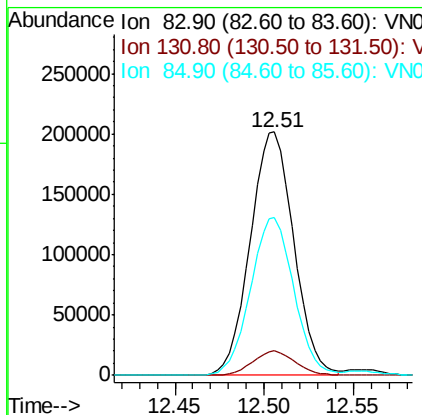
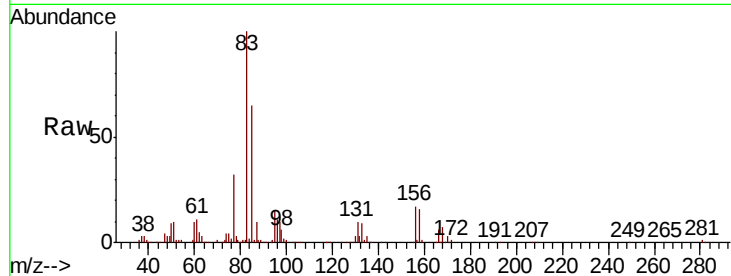
ClientSampleId :

ICVVN112019

Tot Ion:	83	Resp:	344136
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	14.9
85	64.6	32.1	96.3

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#76

1,2,3-Trichloropropane

Concen: 50.141 ug/l m

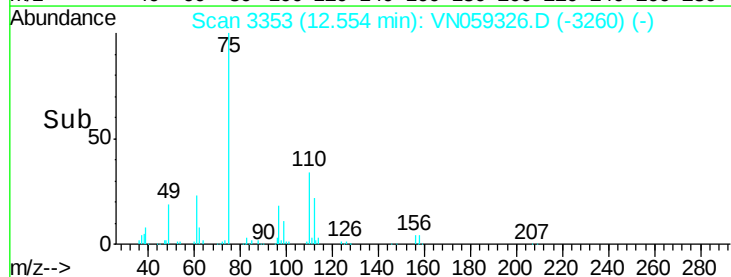
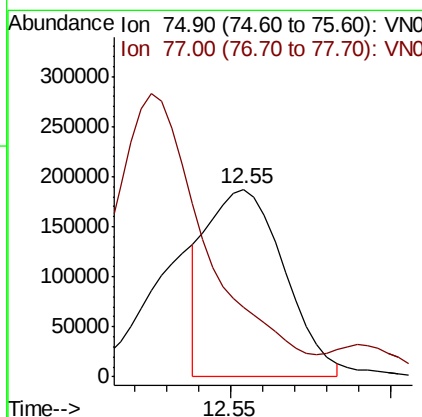
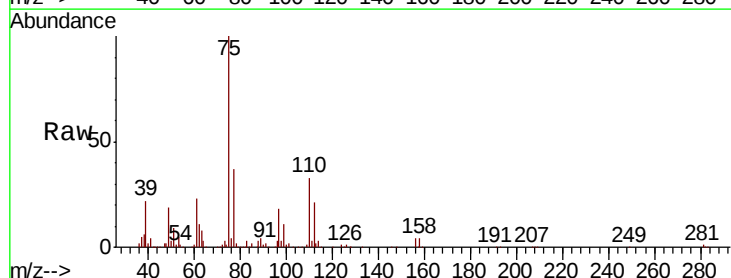
RT: 12.55 min Scan# 3353

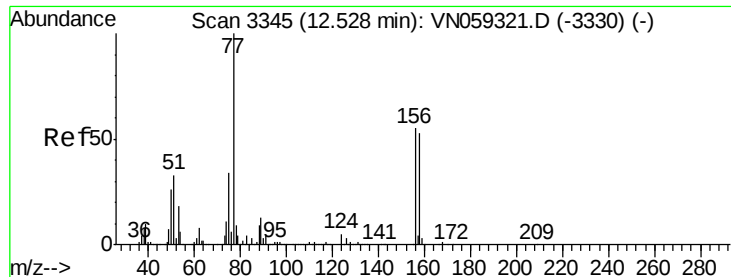
Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Tgt Ion:	75	Resp:	311822
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.147 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

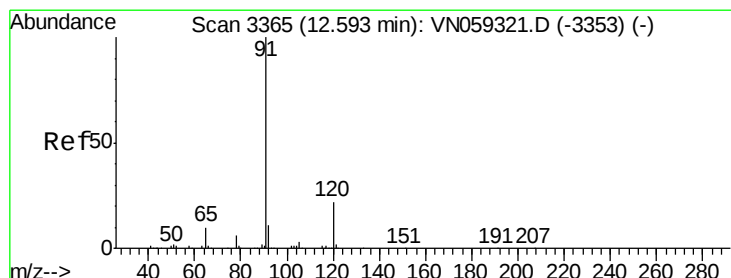
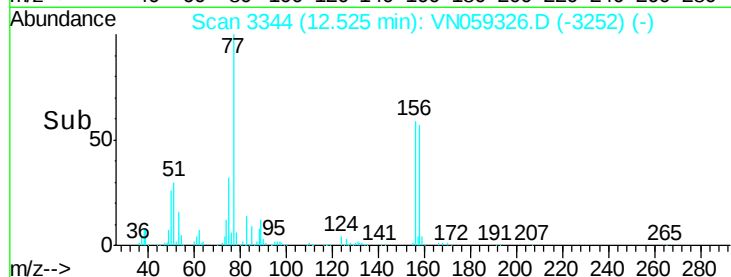
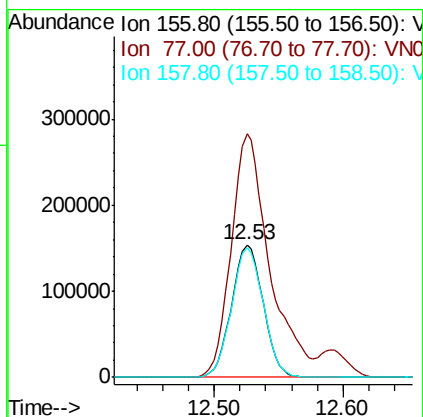
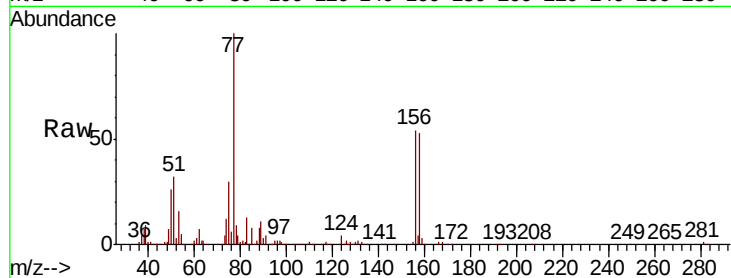
ClientSampleId :

ICVVN112019

Tot Ion	Ratio	Lower	Upper
156	100		
77	221.4	111.1	333.4
158	98.0	47.8	143.4

Manual Integrations
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#78

n-propylbenzene

Concen: 51.671 ug/l

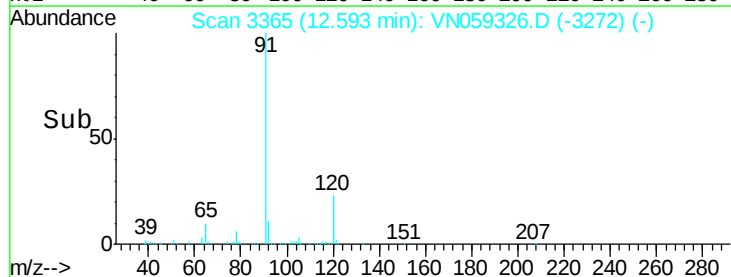
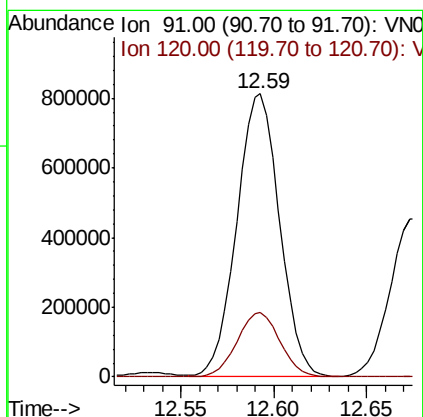
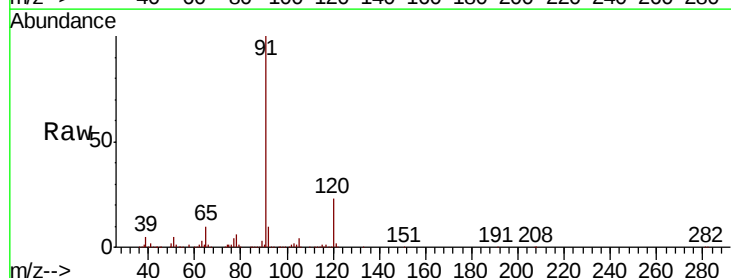
RT: 12.59 min Scan# 3365

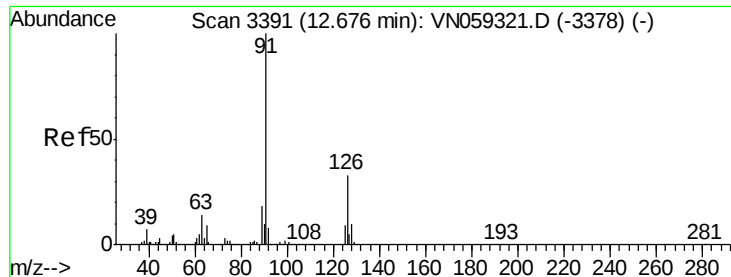
Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.3	33.9





#79

2-Chlorotoluene

Concen: 49.181 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112019

Tot Ion: 91 Resp: 754041

Ion Ratio Lower Upper

91 100

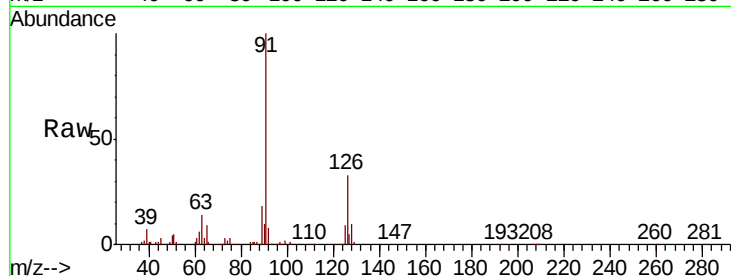
126 33.5 16.7 50.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN059321.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059321.D (-3378) (-)

600000

400000

200000

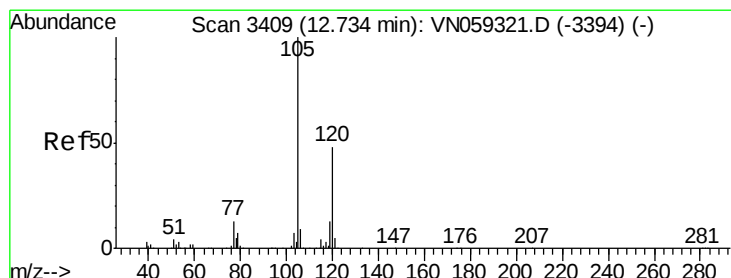
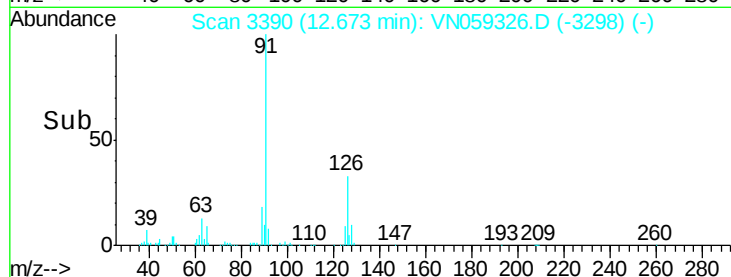
0

12.67

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.934 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059326.D

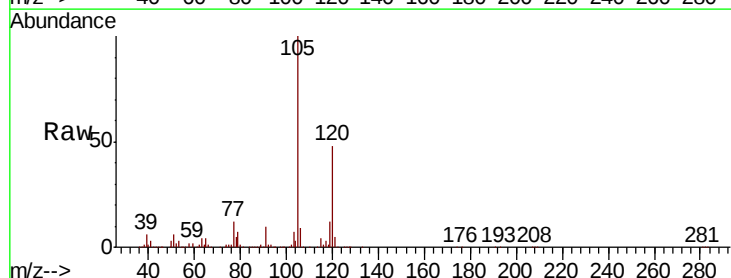
Acq: 20 Nov 2019 17:18

Tgt Ion: 105 Resp: 944169

Ion Ratio Lower Upper

105 100

120 48.6 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059321.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059321.D (-3394) (-)

600000

400000

200000

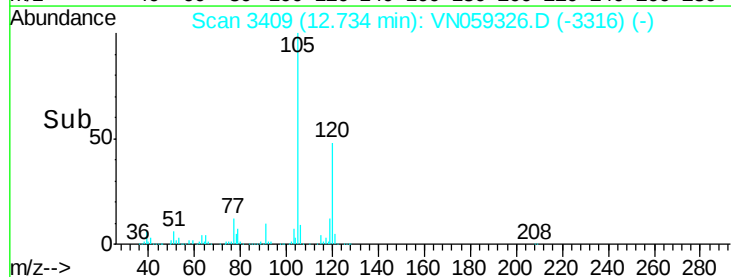
0

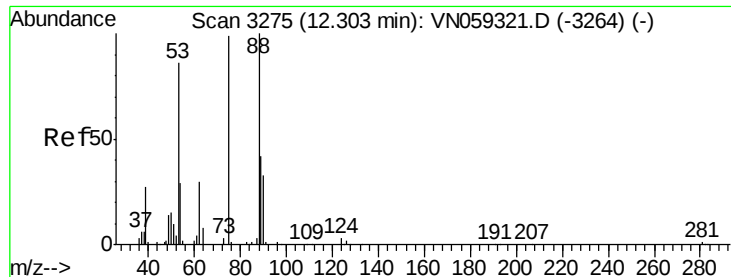
12.73

12.70

12.80

Time-->





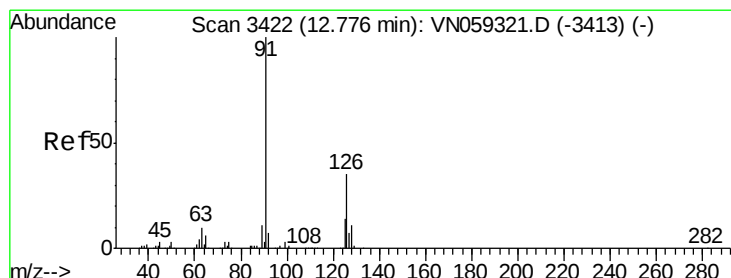
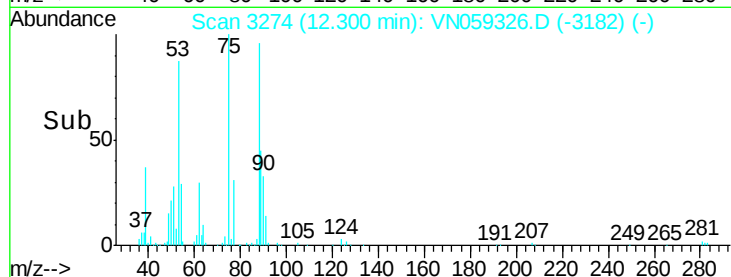
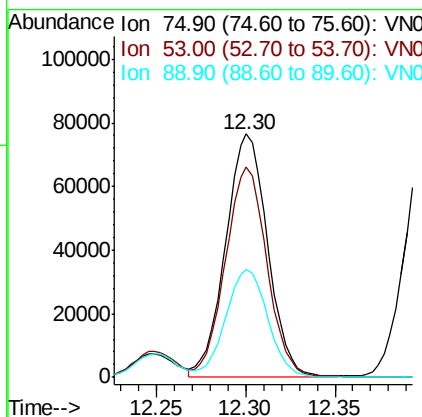
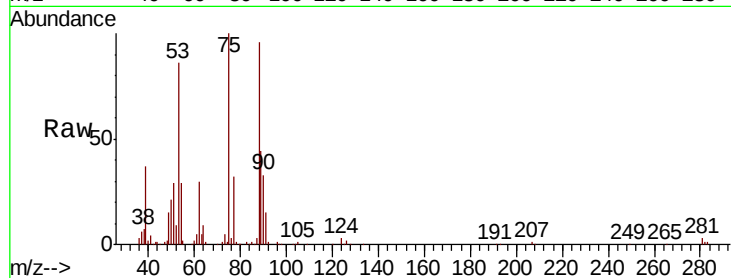
#81
trans-1,4-Dichloro-2-butene
Concen: 50.471 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.1	70.7	106.1
89	44.7	35.4	53.0

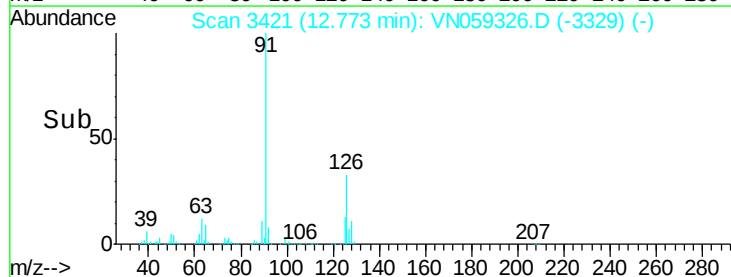
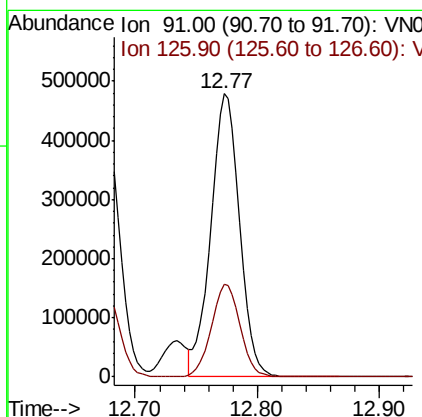
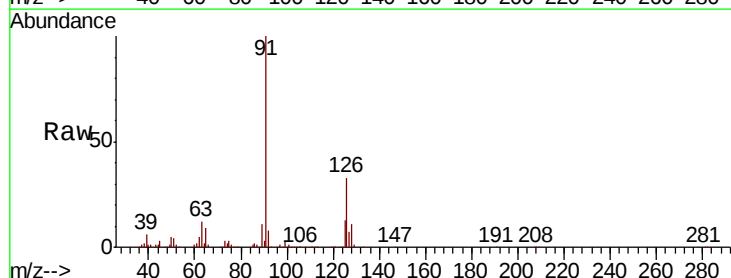
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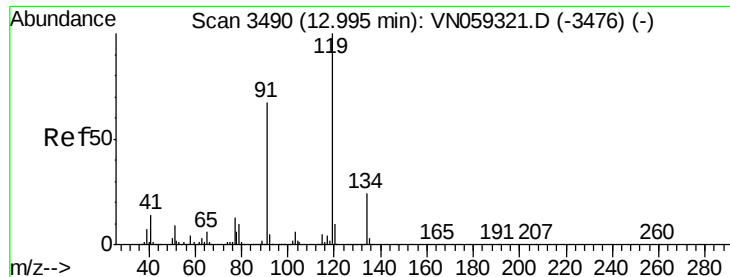
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#82
4-Chlorotoluene
Concen: 49.691 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.2	48.6





#83

tert-Butylbenzene

Concen: 50.584 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059326.D

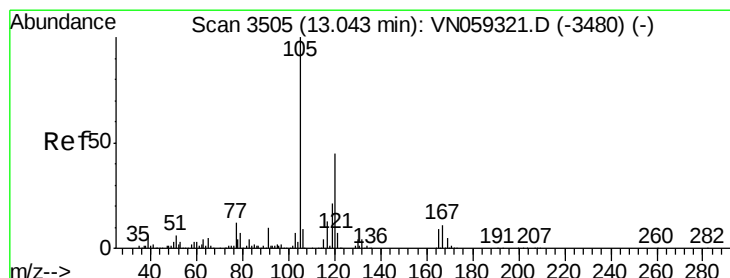
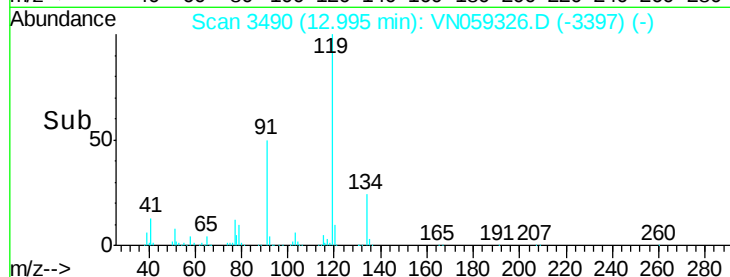
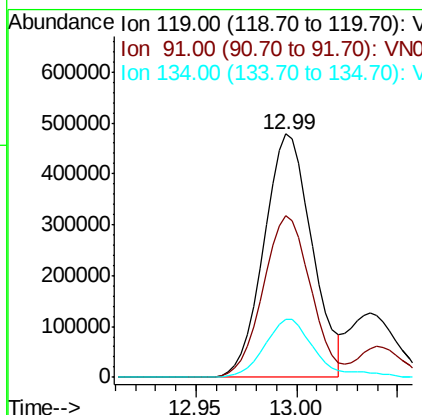
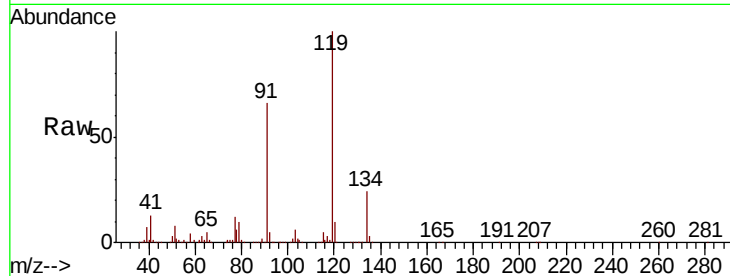
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.8	32.8	98.4
134	25.1	13.0	38.9

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#84

1,2,4-Trimethylbenzene

Concen: 51.650 ug/l

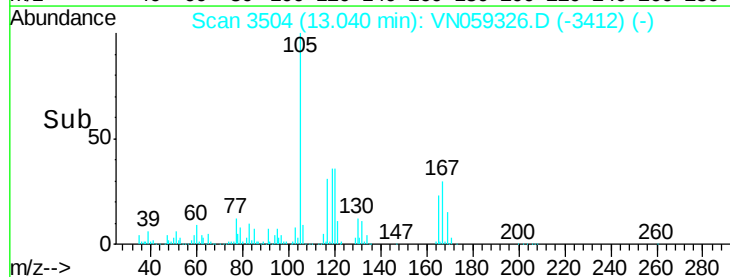
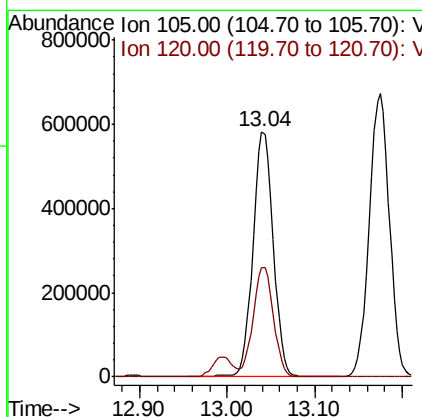
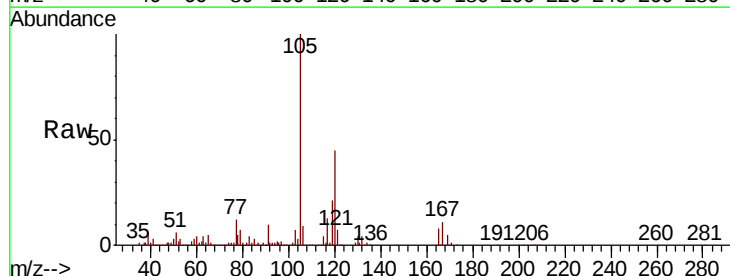
RT: 13.04 min Scan# 3504

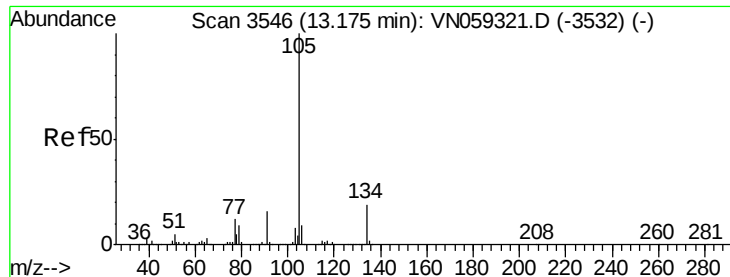
Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.6	67.8





#85

sec-Butylbenzene

Concen: 51.142 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Instrument :

MSVOA_N

ClientSampleId :

ICVVN112019

Tot Ion:105 Resp: 1076138

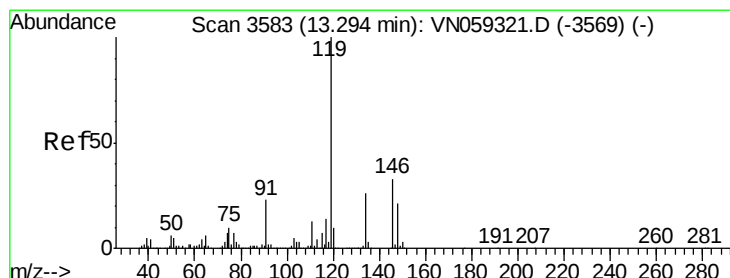
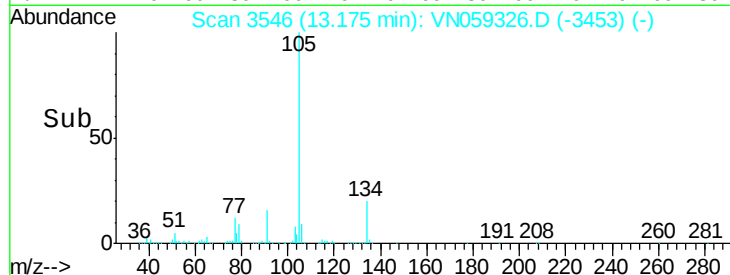
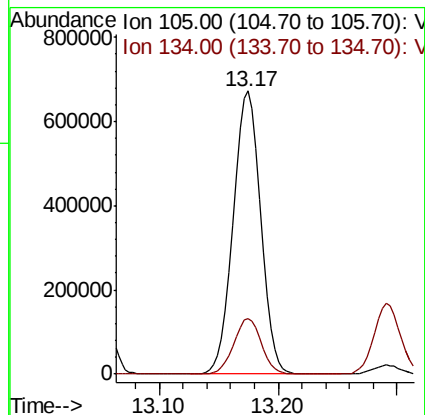
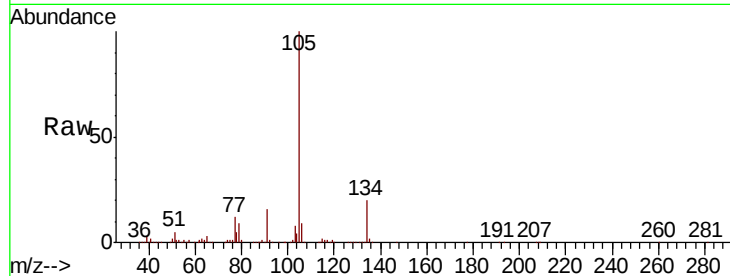
Ion Ratio Lower Upper

105 100

134 19.7 9.8 29.3

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#86

p-Isopropyltoluene

Concen: 52.661 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

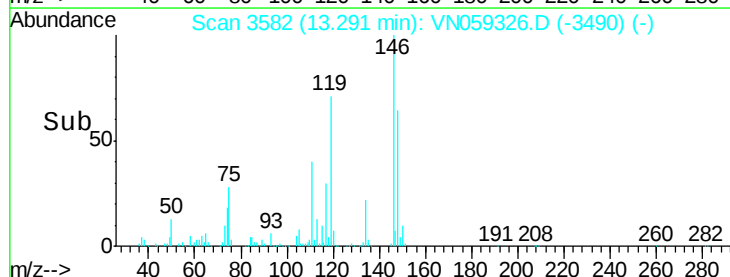
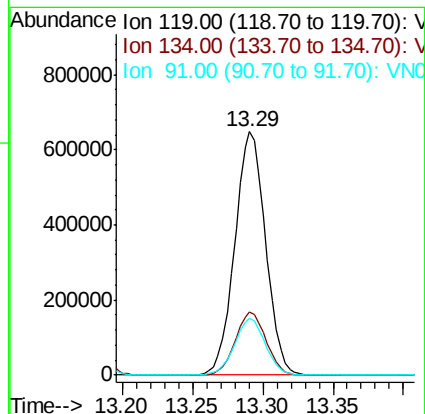
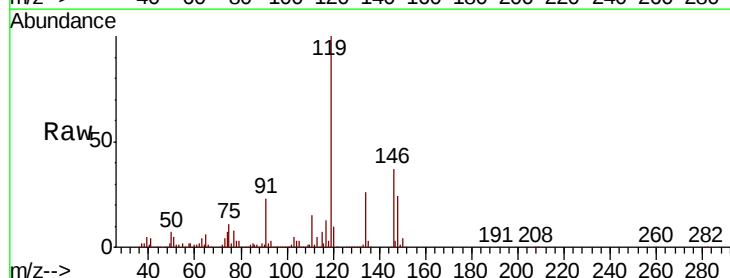
Tgt Ion:119 Resp: 986065

Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 23.2 11.6 34.7





#87

1,3-Dichlorobenzene

Concen: 49.953 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059326.D

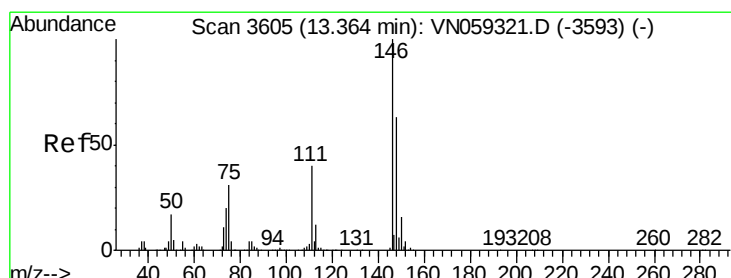
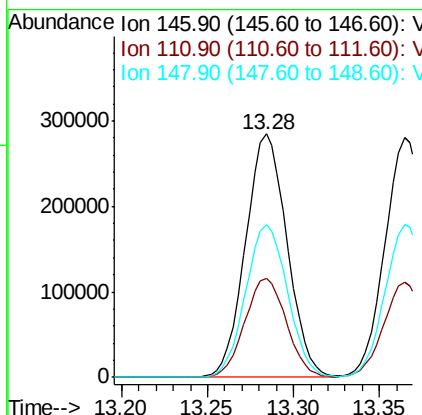
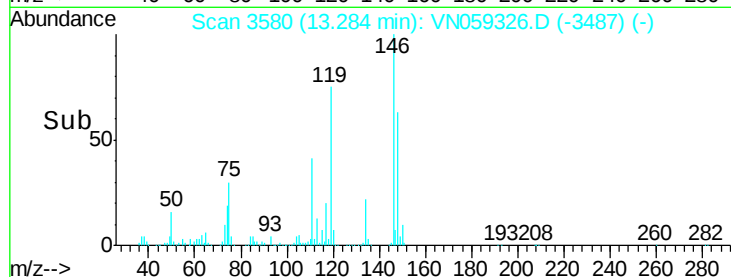
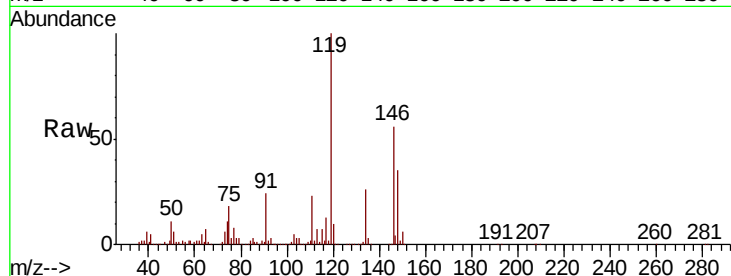
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.6	61.8
148	63.7	31.9	95.5

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#88

1,4-Dichlorobenzene

Concen: 49.652 ug/l

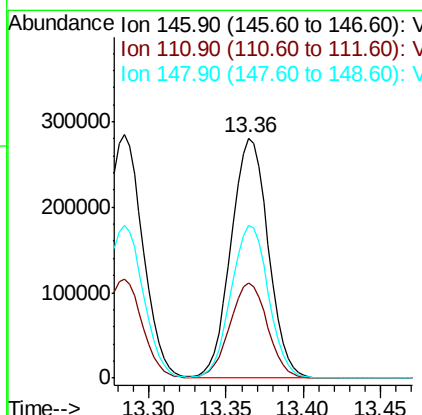
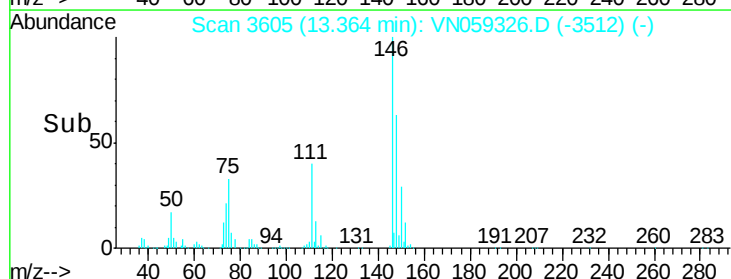
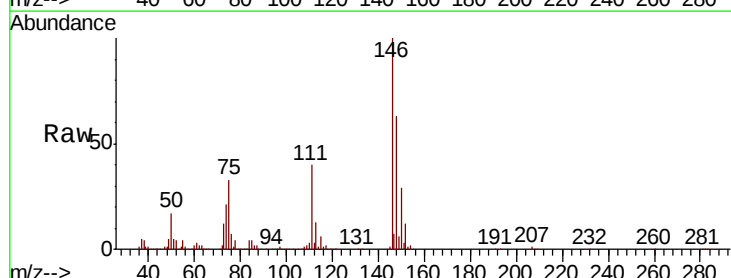
RT: 13.36 min Scan# 3605

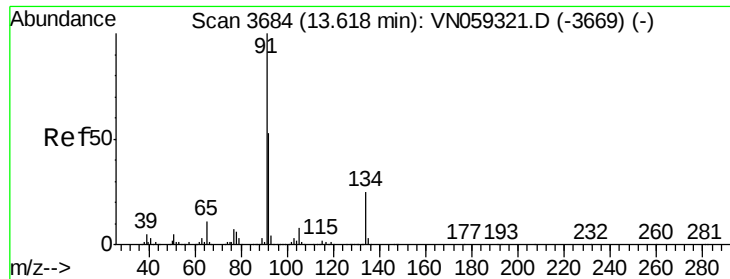
Delta R.T. 0.00 min

Lab File: VN059326.D

Acq: 20 Nov 2019 17:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.1	60.3
148	64.2	31.7	95.1





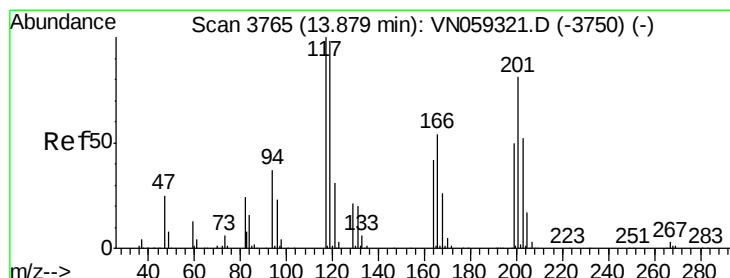
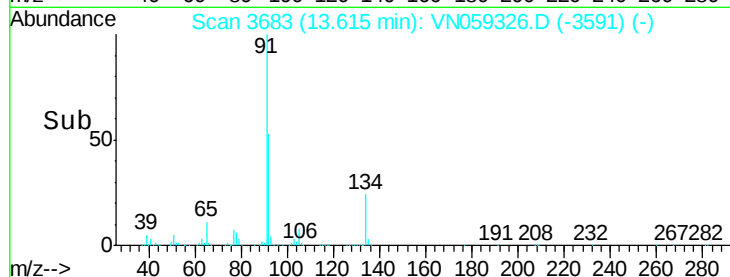
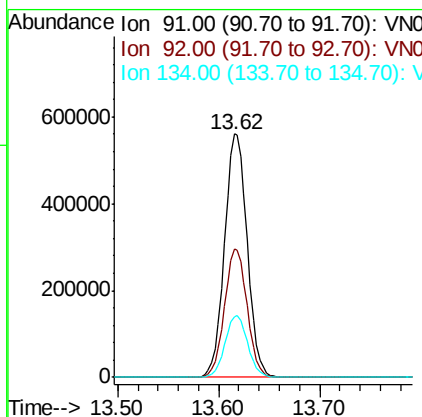
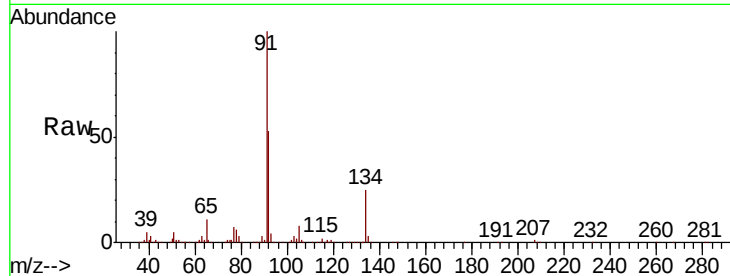
#89
n-Butylbenzene
Concen: 53.665 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.0	78.0
134	25.2	12.7	38.1

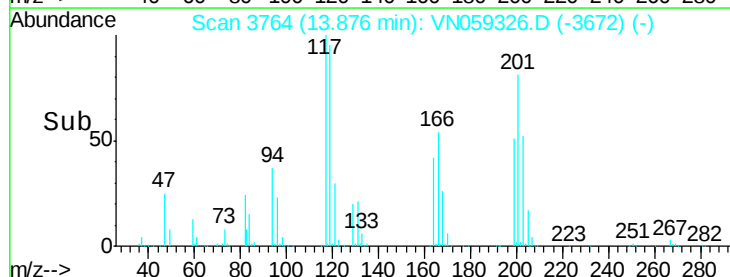
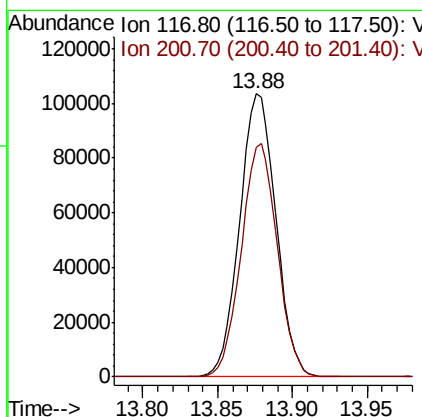
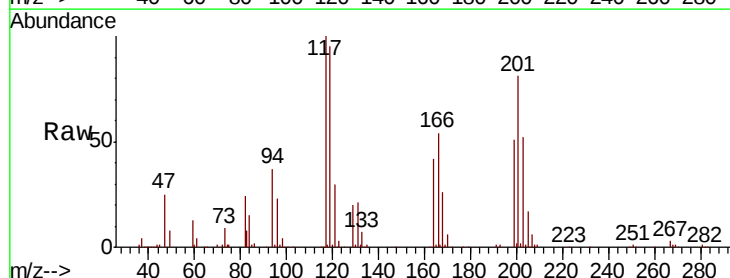
Manual Integrations
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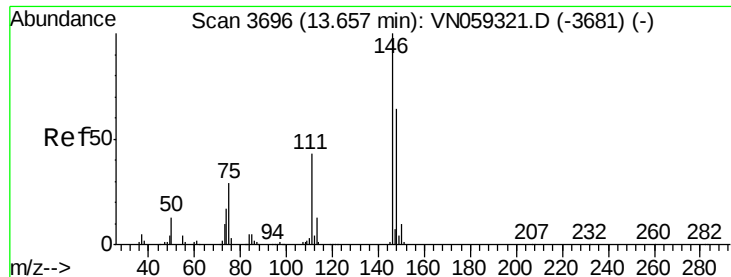
MMDadoda
11/26/2019 9:58:51 AM



#90
Hexachloroethane
Concen: 49.358 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.7	40.4	121.2





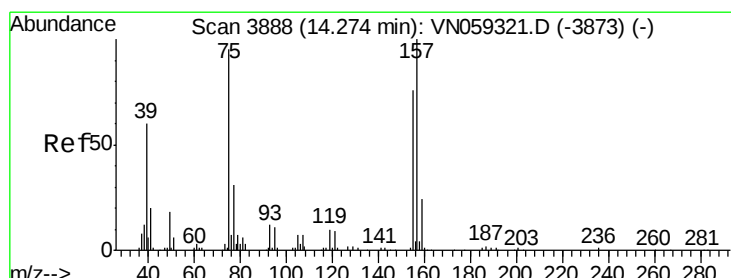
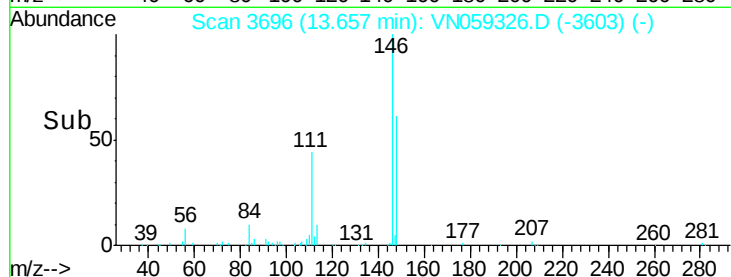
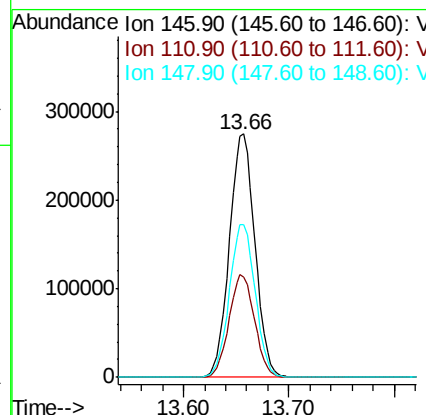
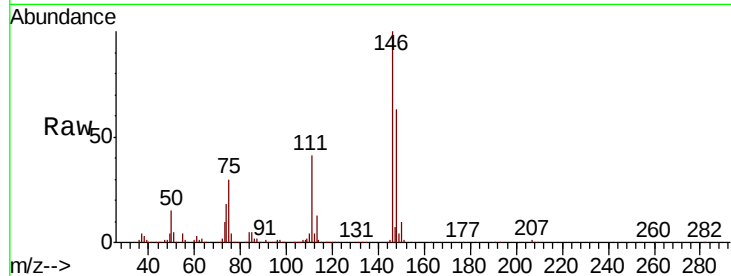
#91
 1,2-Dichlorobenzene
 Concen: 49.800 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 17:18

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112019

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.3	64.0
148	63.7	31.9	95.5

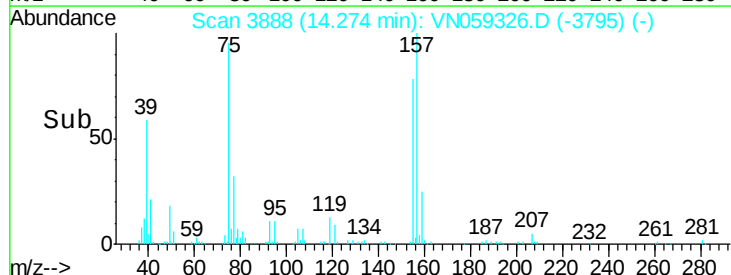
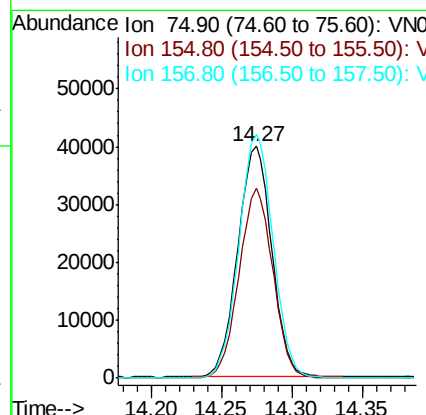
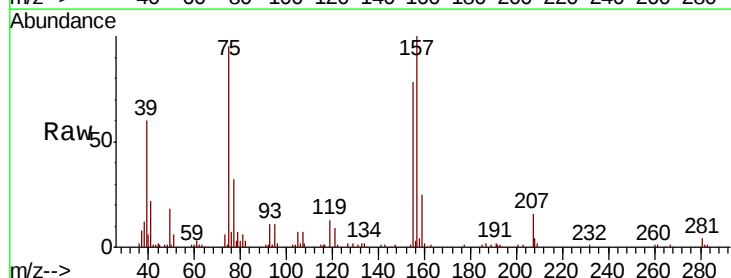
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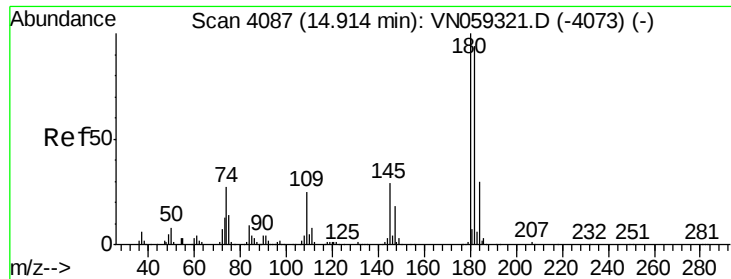
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.537 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 17:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	40.5	121.5
157	106.3	52.7	158.1





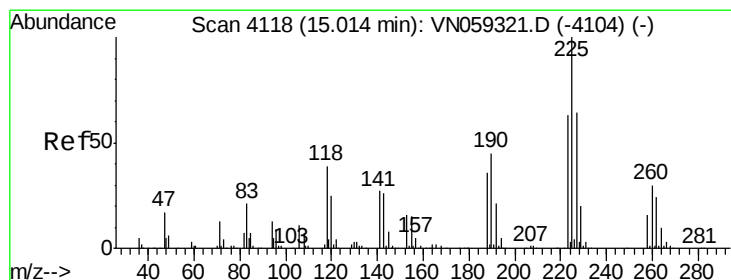
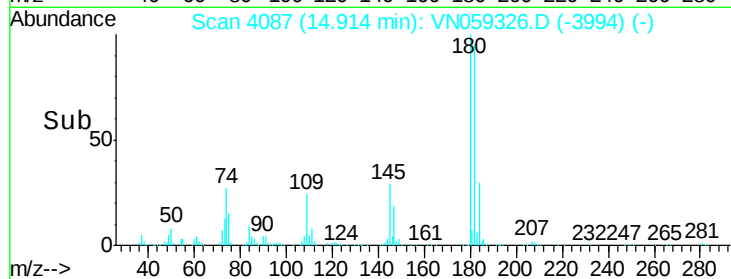
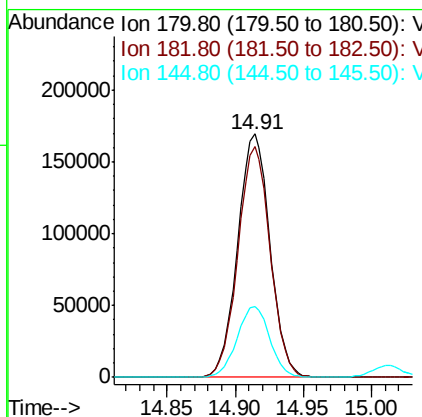
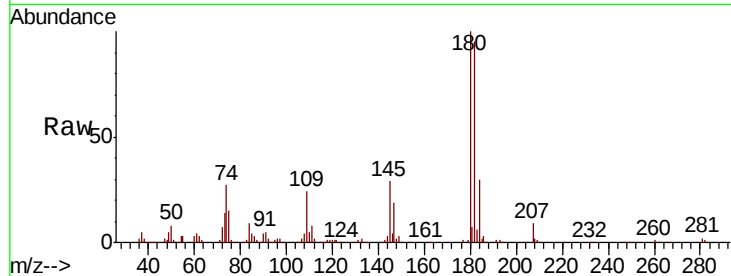
#93
 1,2,4-Trichlorobenzene
 Concen: 48.644 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 17:18

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN112019

Tot Ion	Ratio	Resp	Lower	Upper
180	100	278330		
182	94.6	47.2	141.6	
145	29.7	14.9	44.5	

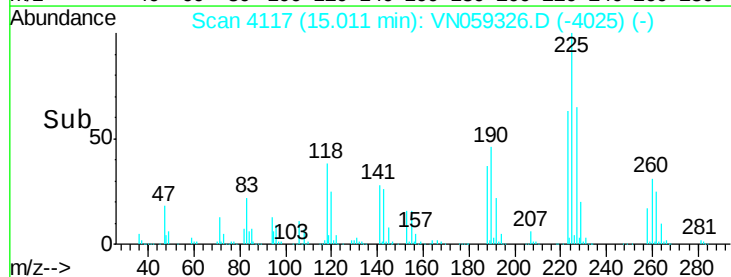
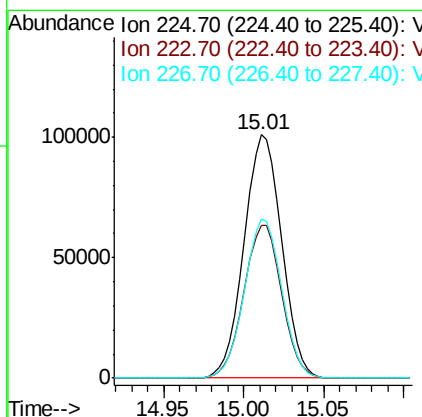
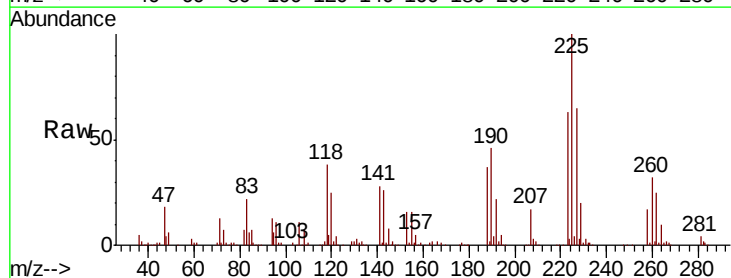
Manual Integrations
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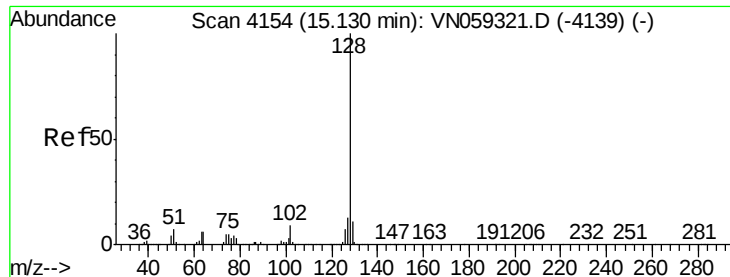
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 11/26/2019 9:58:51 AM



#94
 Hexachlorobutadiene
 Concen: 48.913 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059326.D
 Acq: 20 Nov 2019 17:18

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	162401		
223	63.1	31.6	94.8	
227	64.5	32.6	97.7	





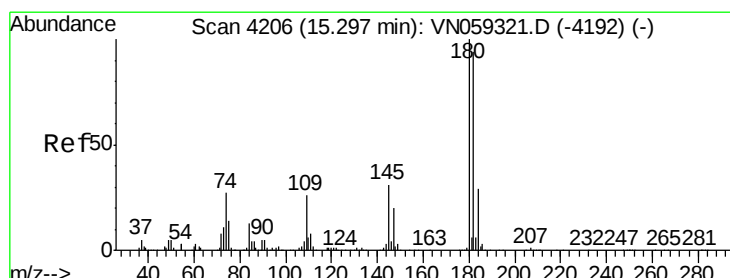
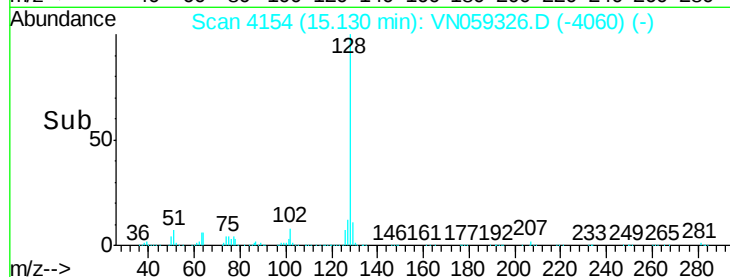
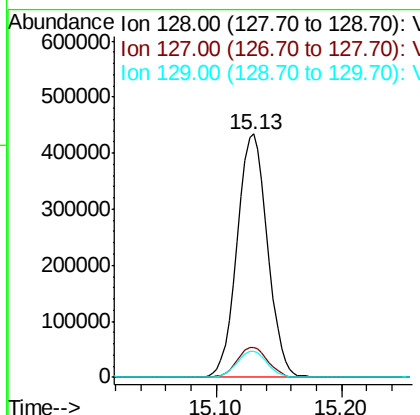
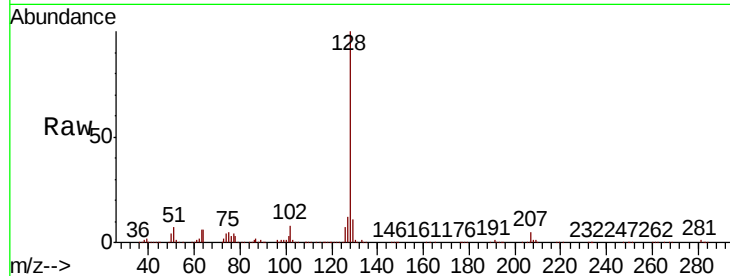
#95
Naphthalene
Concen: 46.275 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Instrument :
MSVOA_N
ClientSampleId :
ICVVN112019

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.7	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 47.147 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059326.D
Acq: 20 Nov 2019 17:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.1	141.4
145	32.3	15.6	46.8

