

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112119\
 Data File : VN059337.D
 Acq On : 21 Nov 2019 15:50
 Operator : JC/SP
 Sample : VN1121MBS03
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS03

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 3:12:19 PM

Quant Time: Nov 22 06:37:25 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	7.65	168	416832	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	655568	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	580617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	260807	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	199785	39.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	79.90%	
35) Dibromofluoromethane	7.57	113	159774	40.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.24%	
50) Toluene-d8	10.08	98	642366	41.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.16%	
62) 4-Bromofluorobenzene	12.40	95	223118	40.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	85835	16.085	ug/l	99
3) Chloromethane	2.04	50	103378	15.813	ug/l	100
4) Vinyl Chloride	2.17	62	111069	16.502	ug/l	100
5) Bromomethane	2.55	94	60943	16.309	ug/l	97
6) Chloroethane	2.69	64	55227	15.034	ug/l	98
7) Trichlorofluoromethane	3.00	101	111302	15.356	ug/l	98
8) Diethyl Ether	3.39	74	48095	16.231	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	71509	16.135	ug/l	99
10) Methyl Iodide	3.93	142	87650	15.913	ug/l	99
11) Tert butyl alcohol	4.75	59	78110	78.006	ug/l	100
12) 1,1-Dichloroethene	3.72	96	70735	15.723	ug/l	94
13) Acrolein	3.58	56	46102	50.437	ug/l	99
14) Allyl chloride	4.30	41	134421	15.994	ug/l	99
15) Acrylonitrile	4.96	53	213048	80.471	ug/l	99
16) Acetone	3.79	43	192524	85.853	ug/l	99
17) Carbon Disulfide	4.03	76	221128	15.780	ug/l	99
18) Methyl Acetate	4.30	43	121437	16.317	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	237376	16.336	ug/l	97
20) Methylene Chloride	4.53	84	81343	16.083	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	74661	15.659	ug/l	97
22) Diisopropyl ether	5.92	45	253487	16.020	ug/l	98
23) Vinyl Acetate	5.87	43	1000895	80.436	ug/l	100
24) 1,1-Dichloroethane	5.82	63	144387	16.211	ug/l	99
25) 2-Butanone	6.81	43	284295	81.529	ug/l	99
26) 2,2-Dichloropropane	6.80	77	122741	15.915	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	85476	15.889	ug/l	98
28) Bromochloromethane	7.17	49	38631	12.498	ug/l	99
29) Tetrahydrofuran	7.19	42	190733	79.104	ug/l	99
30) Chloroform	7.35	83	137927	15.864	ug/l	97
31) Cyclohexane	7.63	56	139415	15.831	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	116308	15.662	ug/l	99
36) 1,1-Dichloropropene	7.78	75	106762	15.775	ug/l	100
37) Ethyl Acetate	6.91	43	118552	16.299	ug/l	99
38) Carbon Tetrachloride	7.75	117	102683	15.849	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	130195	15.953	ug/l	99
40) Benzene	8.02	78	317711	15.995	ug/l	98
41) Methacrylonitrile	7.15	41	43059m	13.336	ug/l	
42) 1,2-Dichloroethane	8.11	62	105896	16.120	ug/l	100
43) Isopropyl Acetate	8.15	43	175858	15.820	ug/l	99
44) Trichloroethene	8.82	130	80527	15.996	ug/l	97
45) 1,2-Dichloropropane	9.11	63	85309	16.106	ug/l	96
46) Dibromomethane	9.20	93	51799	15.944	ug/l	100
47) Bromodichloromethane	9.39	83	102277	15.719	ug/l	99
48) Methyl methacrylate	9.19	41	78306	15.491	ug/l	98
49) 1,4-Dioxane	9.19	88	23970	315.513	ug/l	100
51) 4-Methyl-2-Pentanone	9.98	43	549214	84.411	ug/l	100
52) Toluene	10.15	92	192929	16.153	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	119706	15.826	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	132494	16.143	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	74544	16.052	ug/l	99
56) Ethyl methacrylate	10.42	69	112195	15.871	ug/l	99
57) 1,3-Dichloropropane	10.70	76	130831	16.165	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	226918	94.425	ug/l	99
59) 2-Hexanone	10.75	43	396717	83.269	ug/l	100
60) Dibromochloromethane	10.90	129	76193	15.570	ug/l	99
61) 1,2-Dibromoethane	11.00	107	76639	15.861	ug/l	99
64) Tetrachloroethene	10.63	164	70720	15.749	ug/l	98
65) Chlorobenzene	11.43	112	198711	15.917	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	71404	15.744	ug/l	100
67) Ethyl Benzene	11.51	91	357101	16.020	ug/l	100
68) m/p-Xylenes	11.62	106	268788	32.451	ug/l	100
69) o-Xylene	11.95	106	127433	16.070	ug/l	100
70) Styrene	11.96	104	197477	15.783	ug/l	99
71) Bromoform	12.13	173	54180	15.774	ug/l #	100
73) Isopropylbenzene	12.25	105	346084	16.199	ug/l	99
74) N-amyl acetate	12.07	43	136255	15.869	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	112835	15.965	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	103667m	17.205	ug/l	
77) Bromobenzene	12.53	156	82361	15.893	ug/l	99
78) n-propylbenzene	12.59	91	391830	16.191	ug/l	100
79) 2-Chlorotoluene	12.68	91	232584	15.657	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	288474	16.062	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	35846	14.880	ug/l	92
82) 4-Chlorotoluene	12.78	91	236836	15.407	ug/l	99
83) tert-Butylbenzene	12.99	119	250808	16.535	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	283760	16.129	ug/l	99
85) sec-Butylbenzene	13.17	105	332205	16.295	ug/l	99
86) p-Isopropyltoluene	13.29	119	295186	16.271	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	140580	15.233	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	139208	15.246	ug/l	99
89) n-Butylbenzene	13.62	91	255515	16.055	ug/l	99
90) Hexachloroethane	13.88	117	52844	15.381	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	139896	15.668	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22457	14.946	ug/l	97

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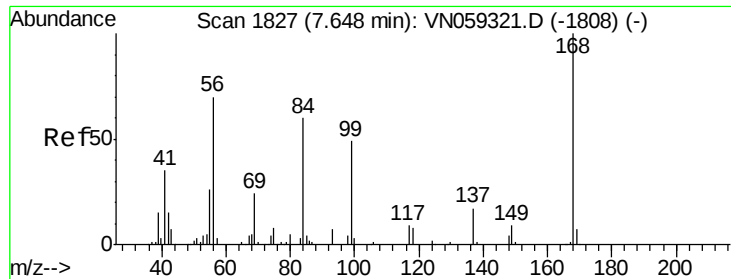
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	76162	15.847	ug/l	98
94) Hexachlorobutadiene	15.01	225	49784	15.476	ug/l	99
95) Naphthalene	15.13	128	203145	15.542	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	77581	15.594	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS03

Tot Ion:168 Resp: 416832

Ion Ratio Lower Upper

168 100

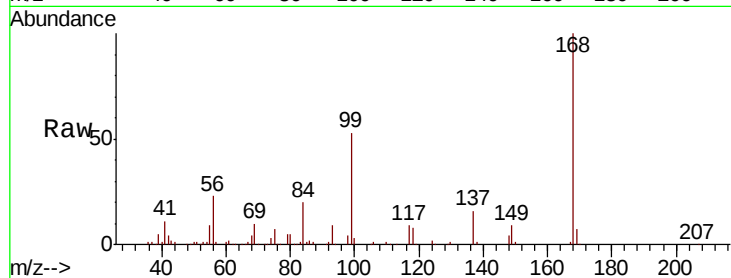
99 53.1 44.6 66.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

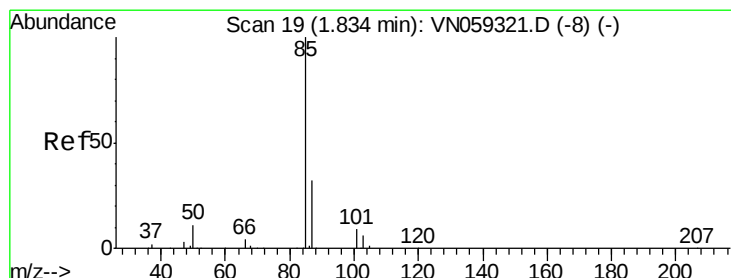
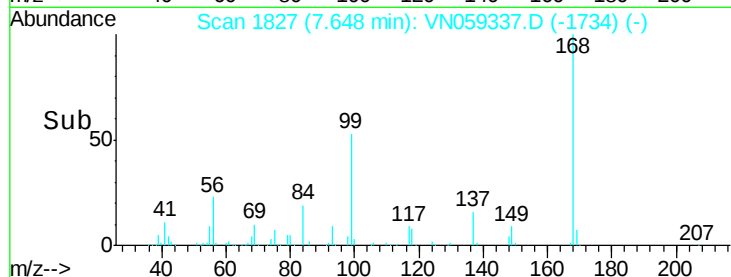
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50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.085 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059337.D

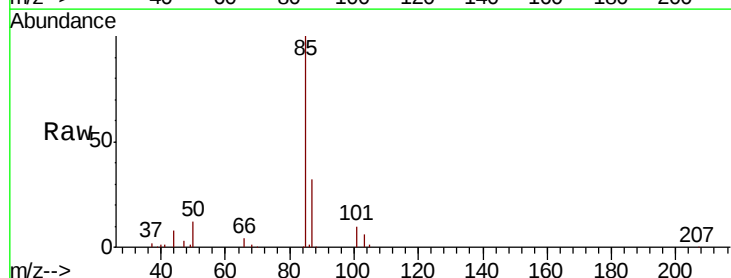
Acq: 21 Nov 2019 15:50

Tgt Ion: 85 Resp: 85835

Ion Ratio Lower Upper

85 100

87 32.4 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

60000

50000

40000

30000

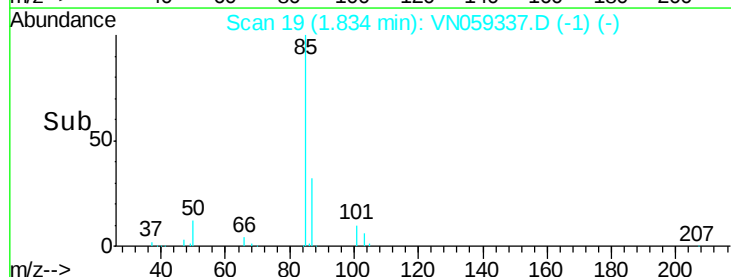
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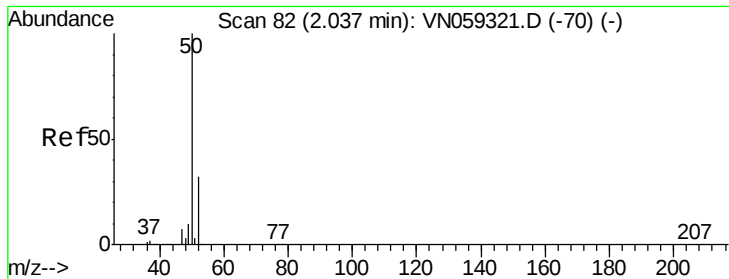
10000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 15.813 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS03

Tot Ion: 50 Resp: 103378

Ion Ratio Lower Upper

50 100

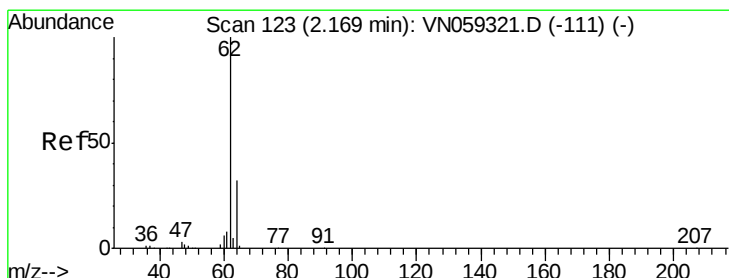
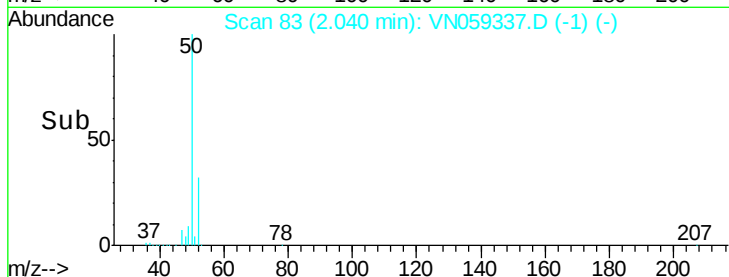
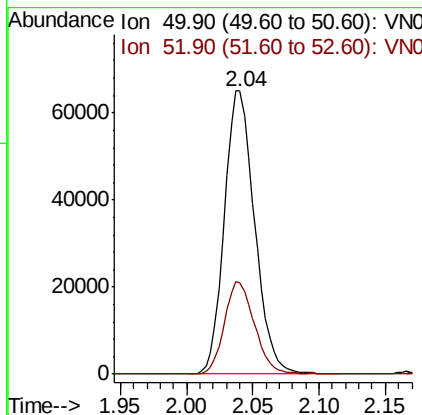
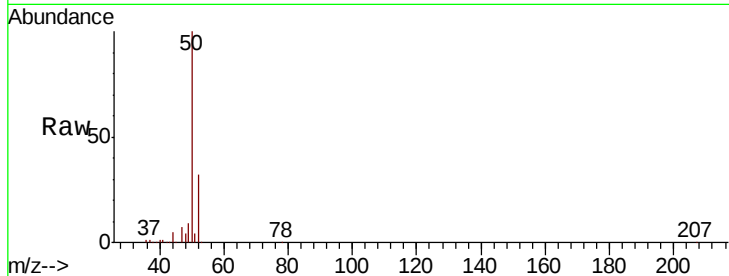
52 32.4 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.502 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059337.D

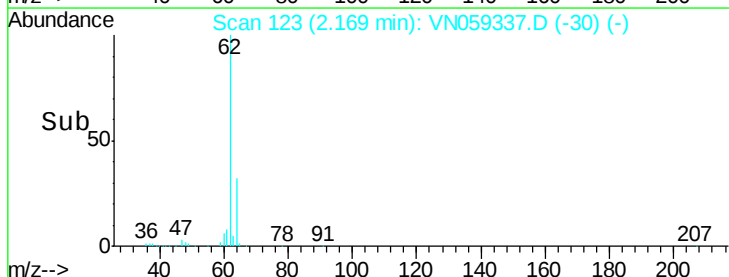
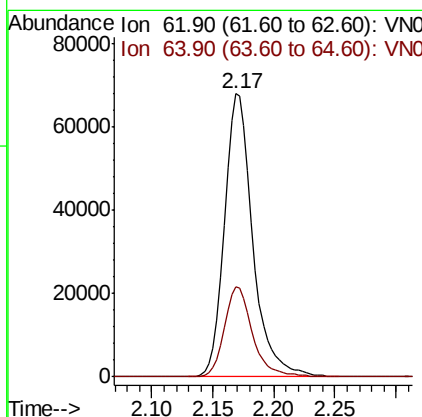
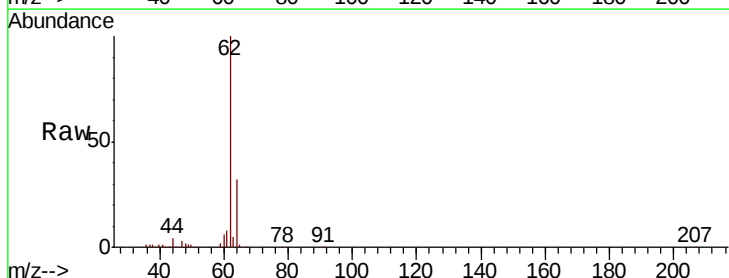
Acq: 21 Nov 2019 15:50

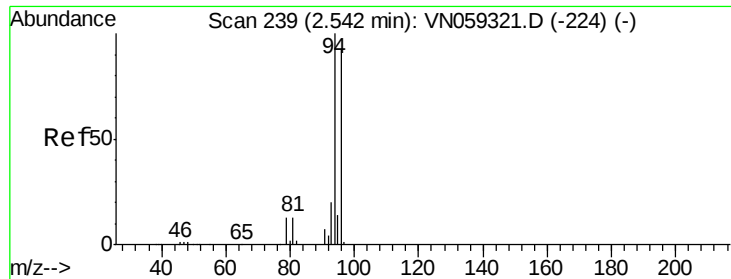
Tgt Ion: 62 Resp: 111069

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 16.309 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS03

Tot Ion: 94 Resp: 60943

Ion Ratio Lower Upper

94 100

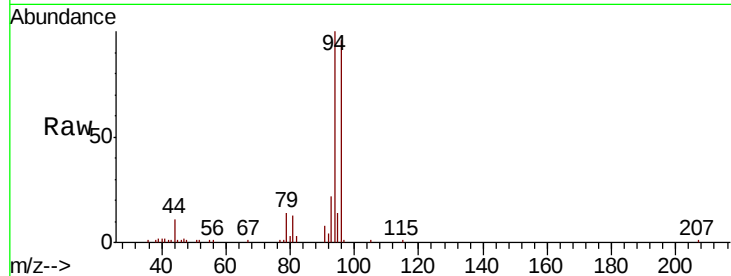
96 96.3 74.5 111.7

Manual Integrations

APPROVED

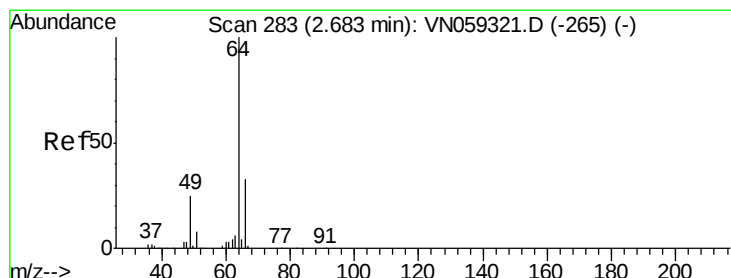
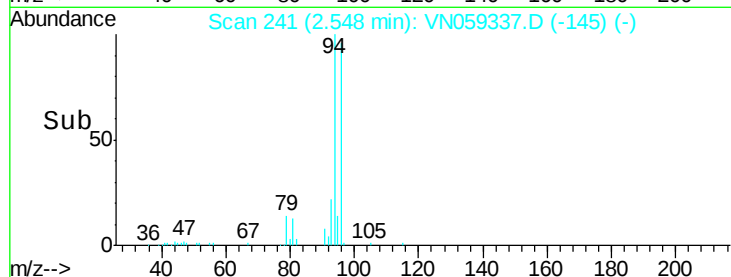
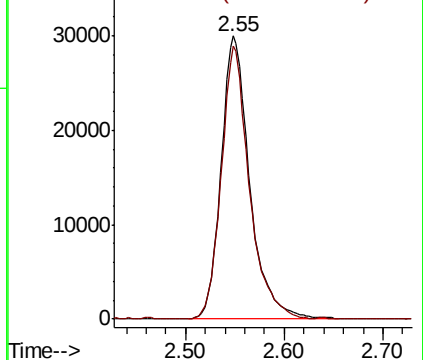
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 15.034 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN059337.D

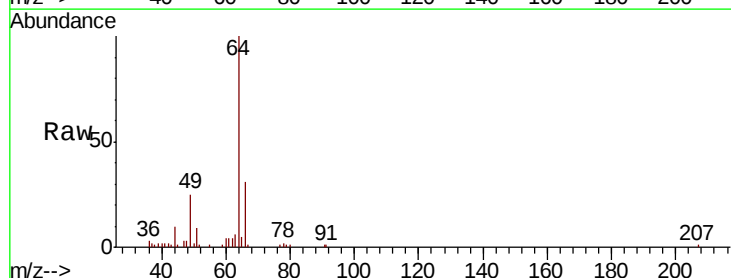
Acq: 21 Nov 2019 15:50

Tgt Ion: 64 Resp: 55227

Ion Ratio Lower Upper

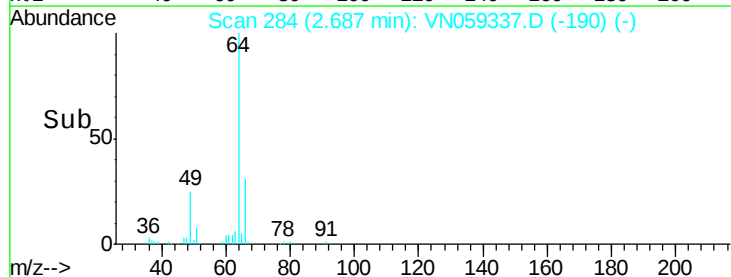
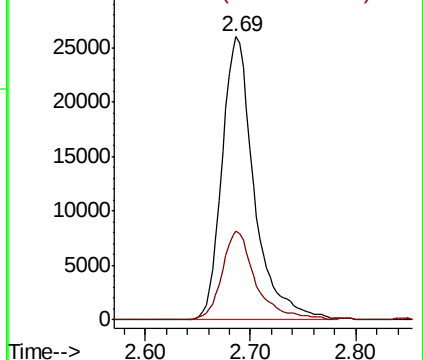
64 100

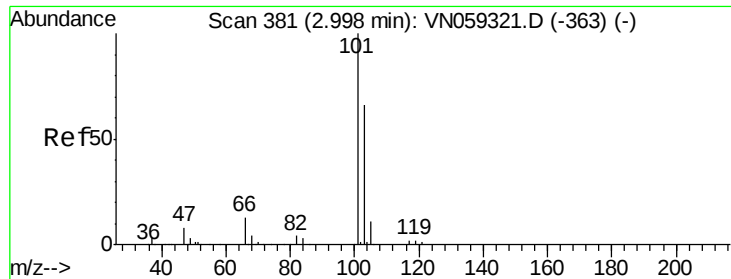
66 31.5 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

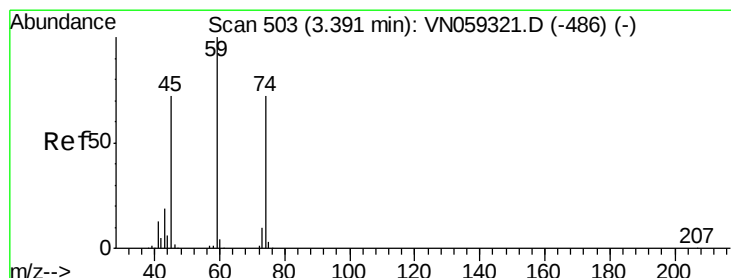
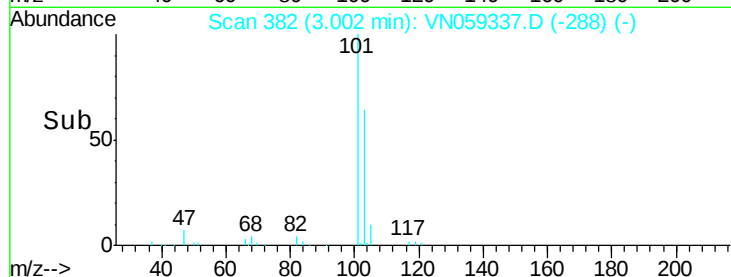
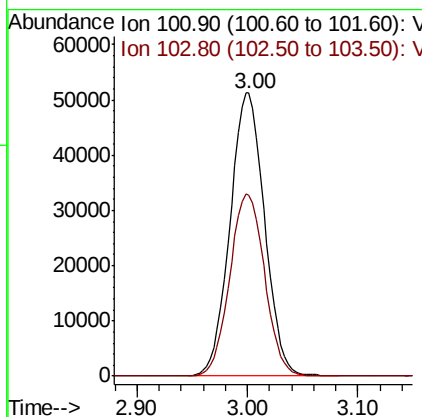
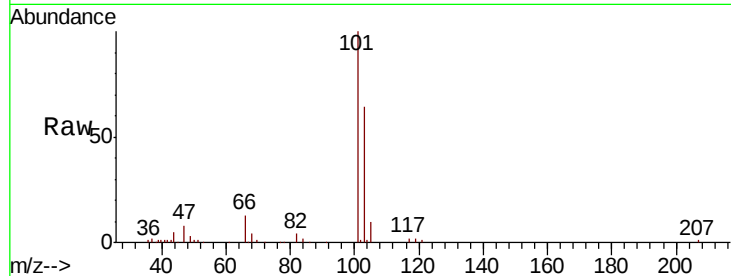
Trichlorofluoromethane
 Concen: 15.356 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.0	52.5	78.7

Manual Integrations
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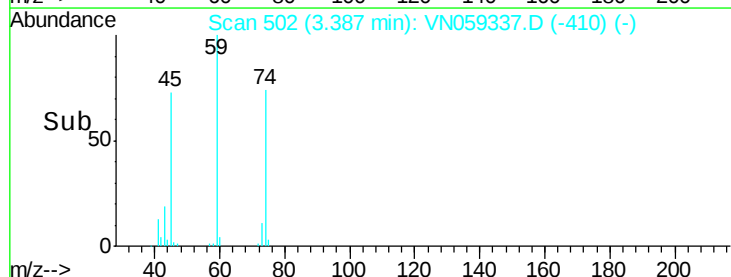
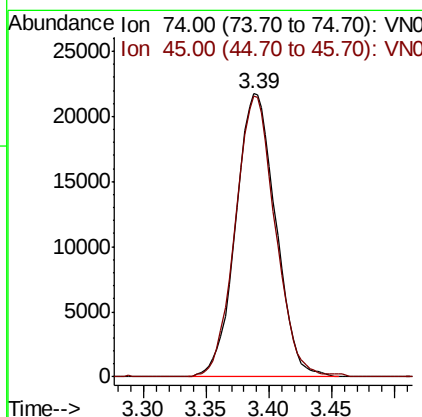
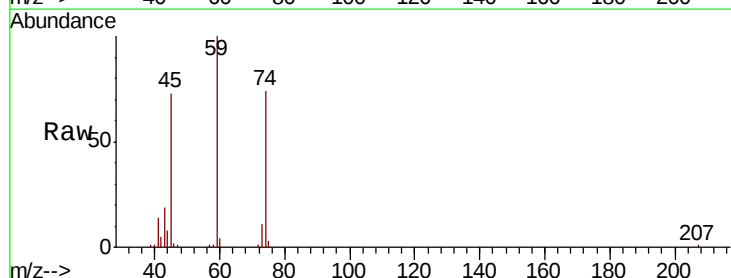
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 11/22/2019 3:12:19 PM

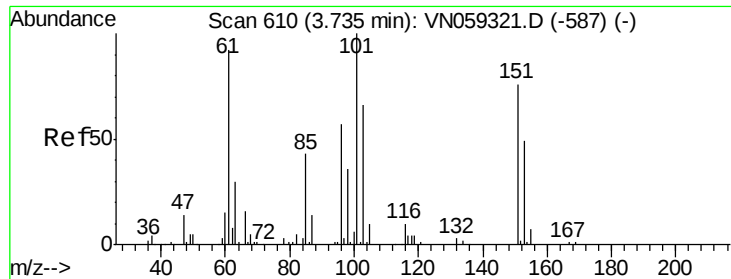


#8

Diethyl Ether
 Concen: 16.231 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. -0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 16.135 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS03

Tot Ion:101 Resp: 71509

Ion Ratio Lower Upper

101 100

85 42.3 34.8 52.2

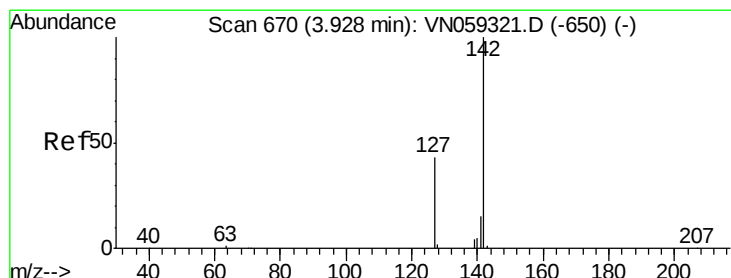
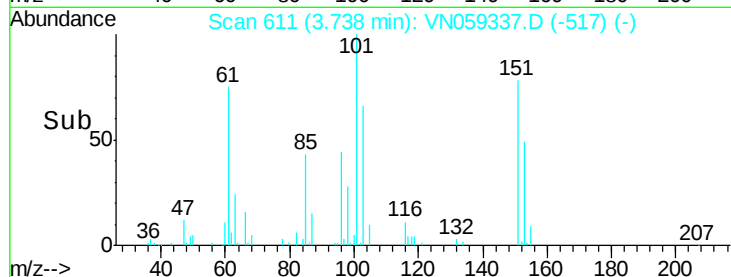
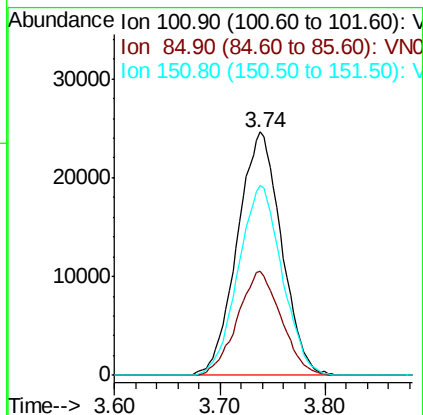
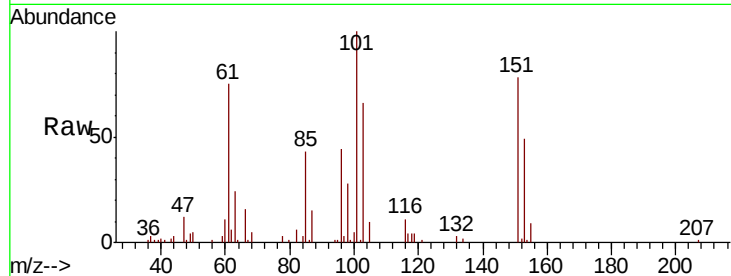
151 77.6 62.2 93.4

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#10

Methyl Iodide

Concen: 15.913 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

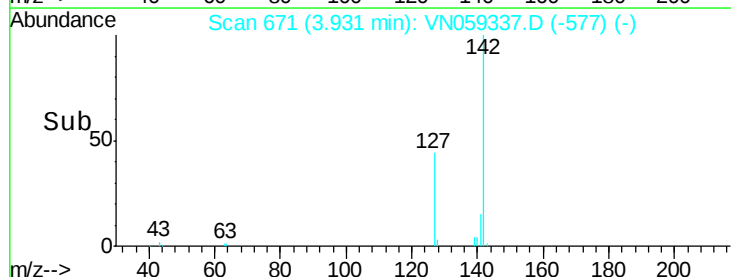
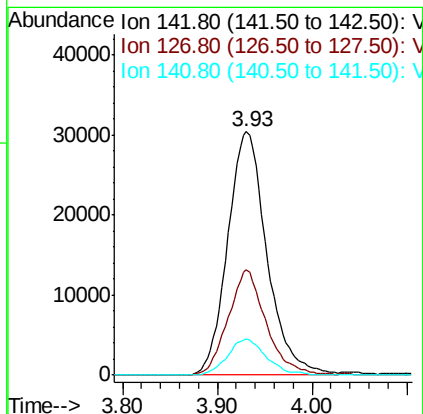
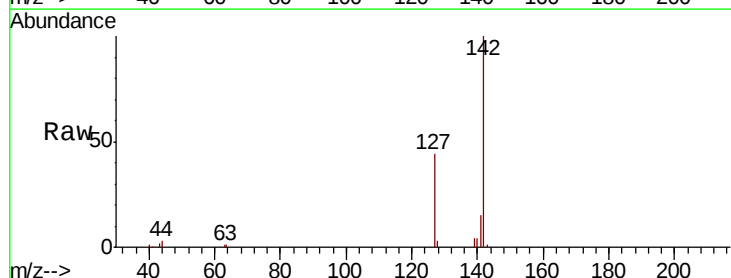
Tgt Ion:142 Resp: 87650

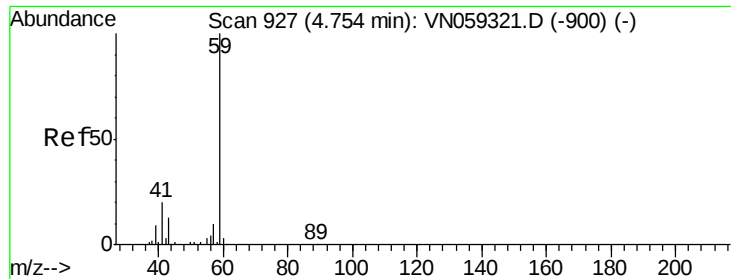
Ion Ratio Lower Upper

142 100

127 41.5 33.8 50.6

141 14.4 11.2 16.8





#11

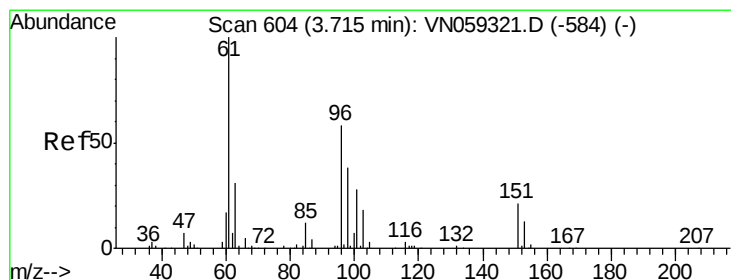
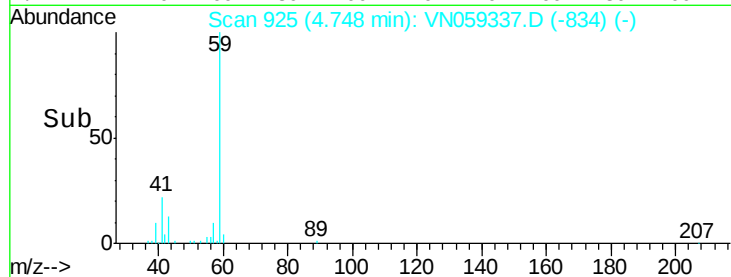
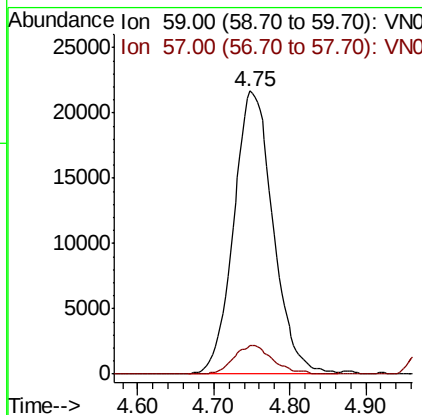
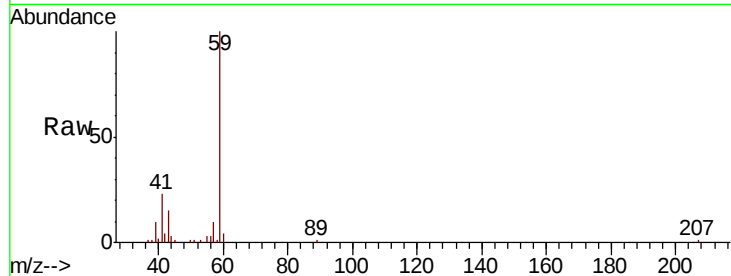
Tert butyl alcohol
 Concen: 78.006 ug/l
 RT: 4.75 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS03

Tot Ion: 59 Resp: 78110
 Ion Ratio Lower Upper
 59 100
 57 10.0 8.2 12.2

Manual Integrations
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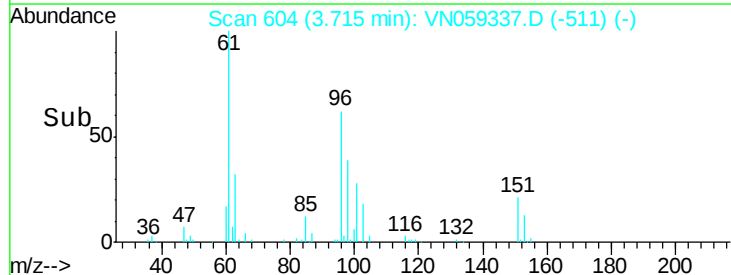
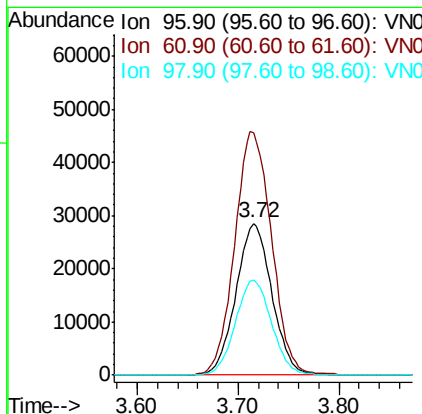
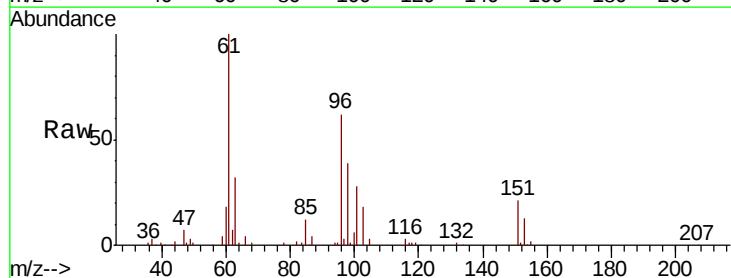
MMDadoda
 11/22/2019 3:12:19 PM

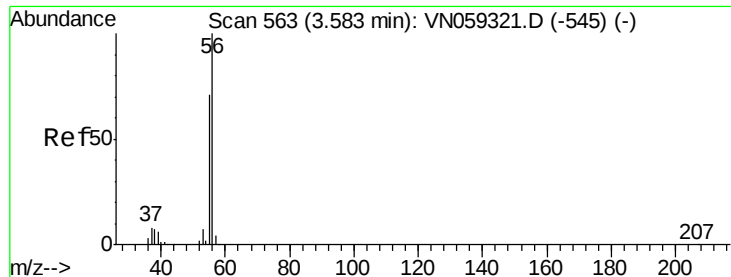


#12

1,1-Dichloroethene
 Concen: 15.723 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Tgt Ion: 96 Resp: 70735
 Ion Ratio Lower Upper
 96 100
 61 160.3 136.8 205.2
 98 63.2 51.6 77.4





#13

Acrolein

Concen: 50.437 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS03

Tot Ion: 56 Resp: 46102

Ion Ratio Lower Upper

56 100

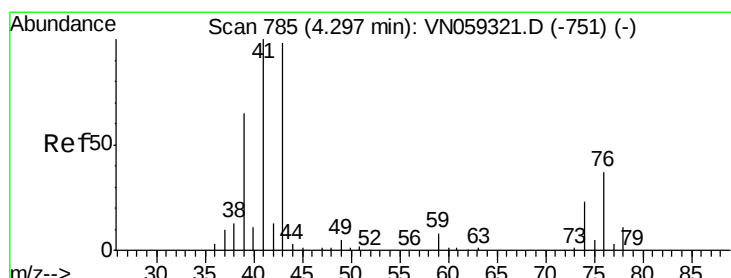
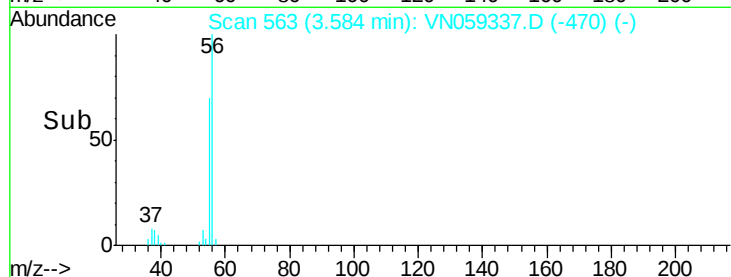
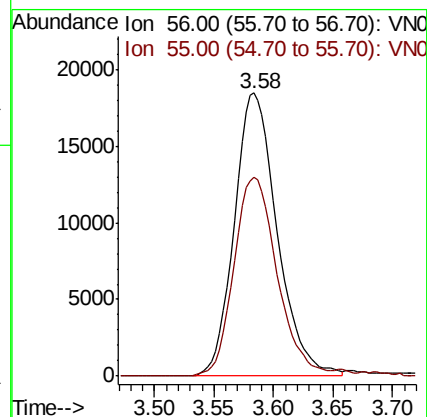
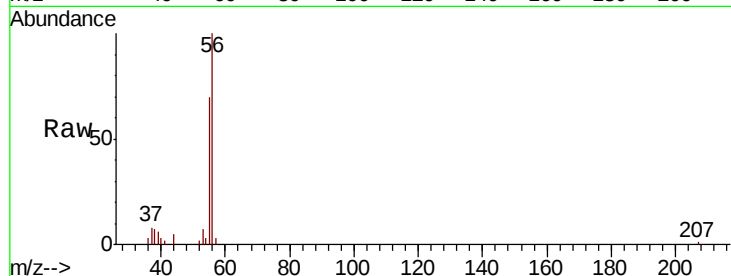
55 70.6 57.4 86.0

Manual Integrations

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#14

Allyl chloride

Concen: 15.994 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

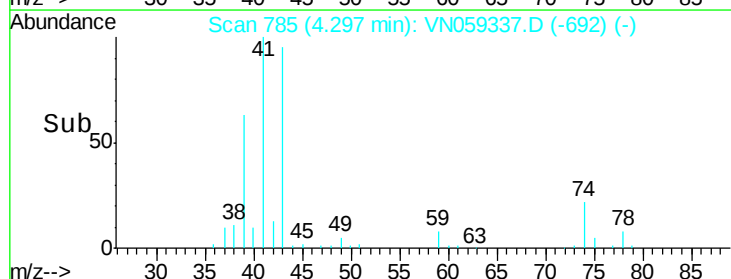
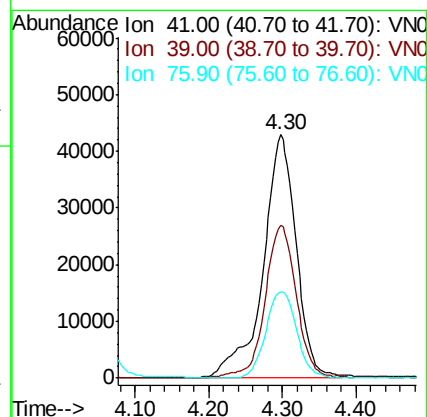
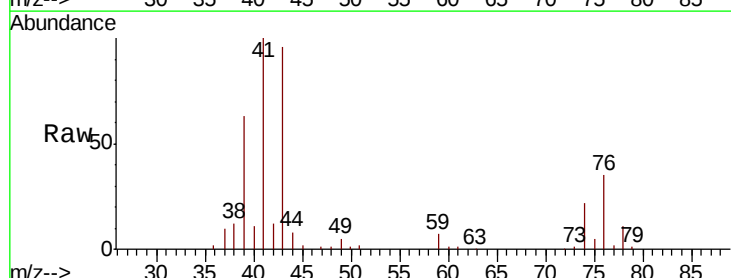
Tgt Ion: 41 Resp: 134421

Ion Ratio Lower Upper

41 100

39 59.0 48.4 72.6

76 33.1 26.2 39.4





#15

Acrylonitrile

Concen: 80.471 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

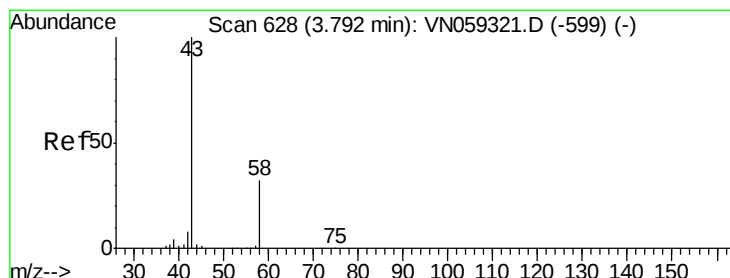
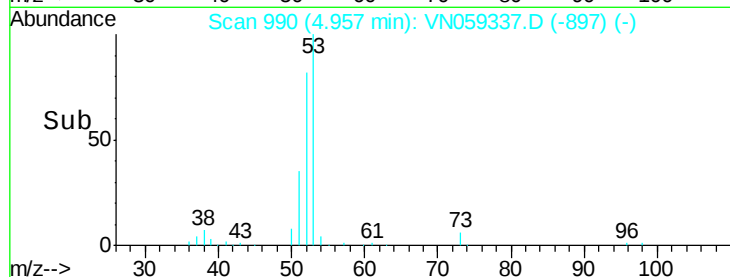
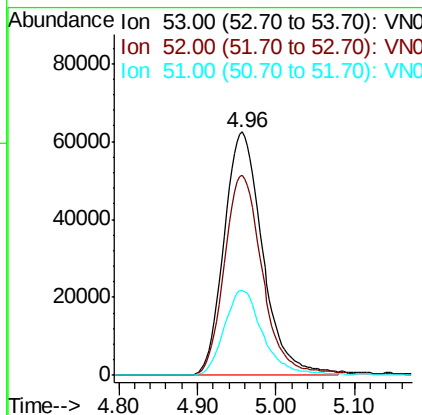
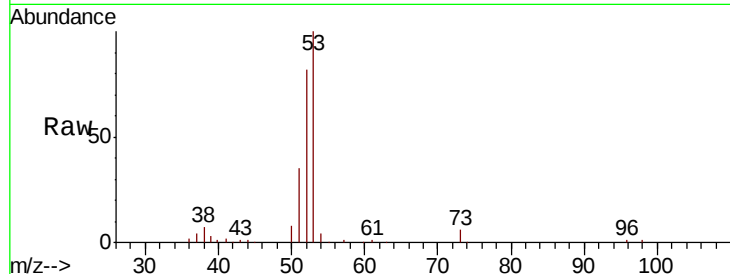
ClientSampleId :

VN1121MBS03

Tot Ion:	53	Resp:	213048
Ion Ratio	Lower	Upper	
53	100		
52	81.6	65.8	98.8
51	34.9	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 85.853 ug/l

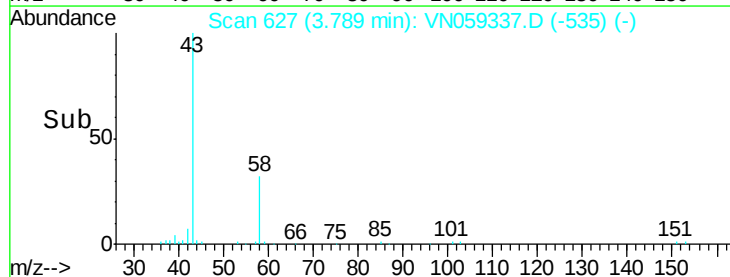
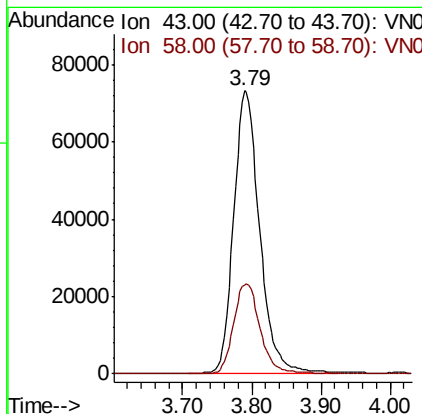
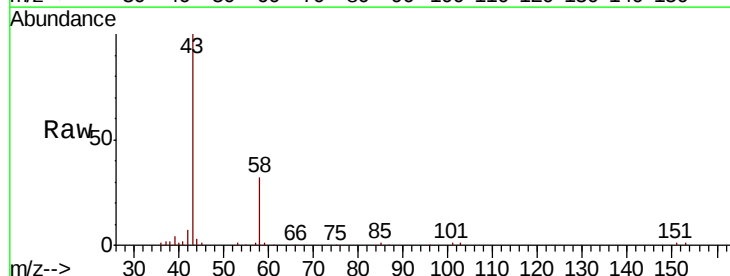
RT: 3.79 min Scan# 627

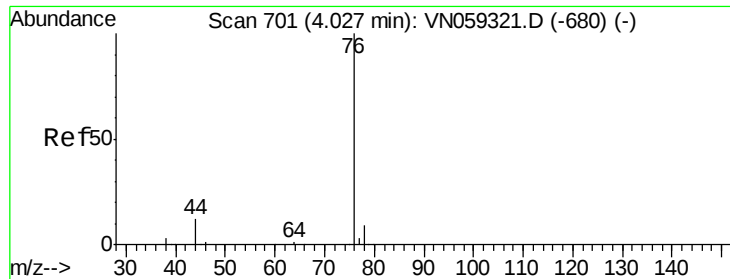
Delta R.T. -0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Tgt Ion:	43	Resp:	192524
Ion Ratio	Lower	Upper	
43	100		
58	31.6	25.8	38.6





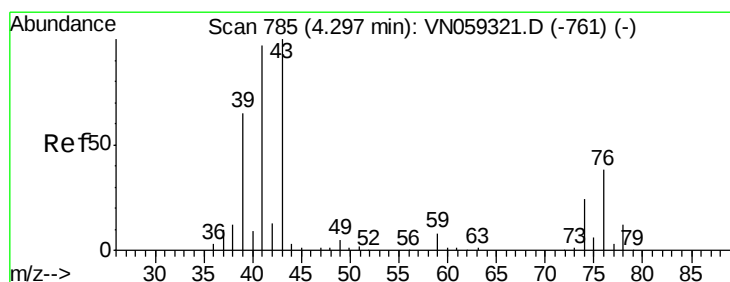
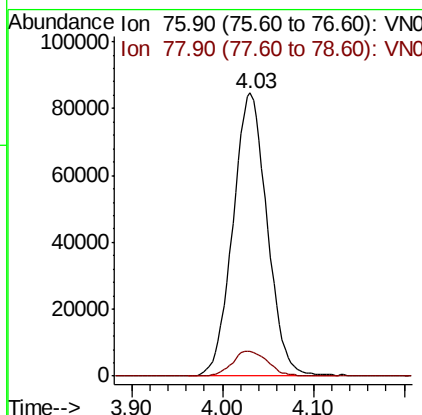
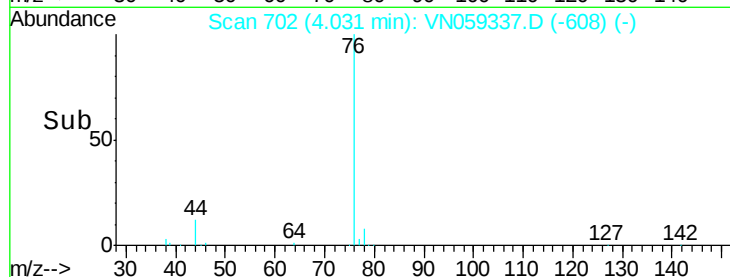
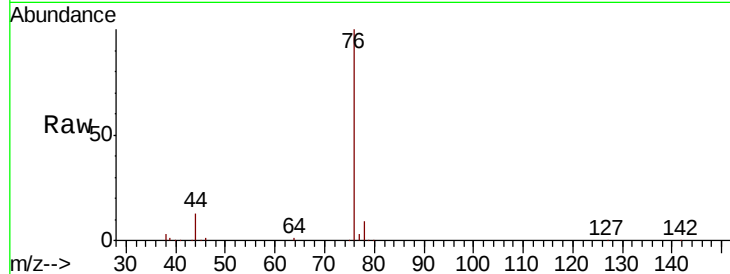
#17
Carbon Disulfide
Concen: 15.780 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.2	10.8

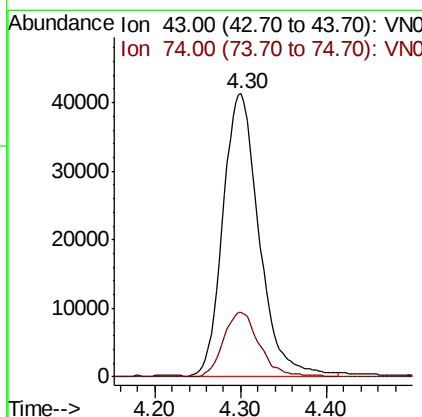
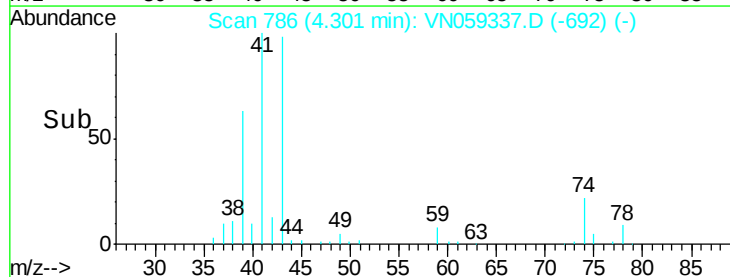
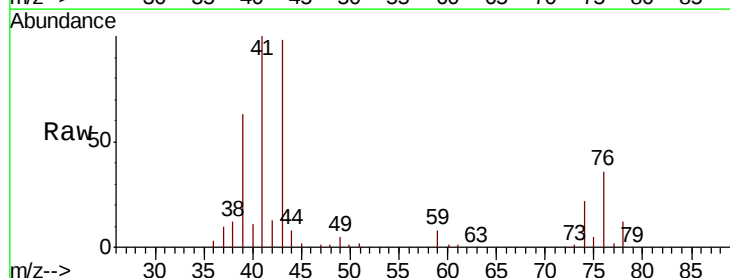
Manual Integrations
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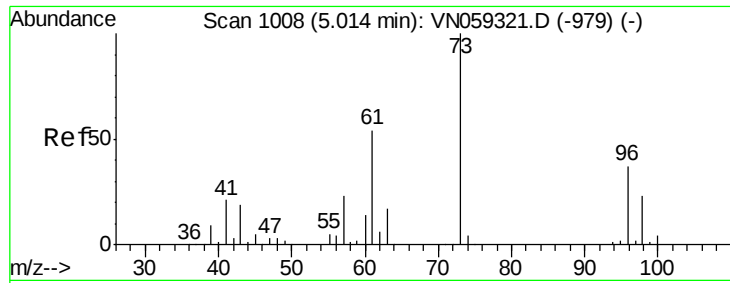
MMDadoda
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#18
Methyl Acetate
Concen: 16.317 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.6	18.1	27.1





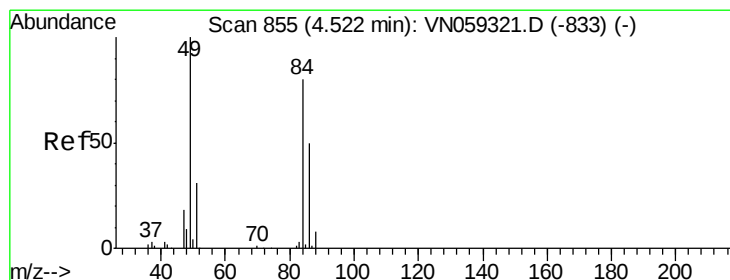
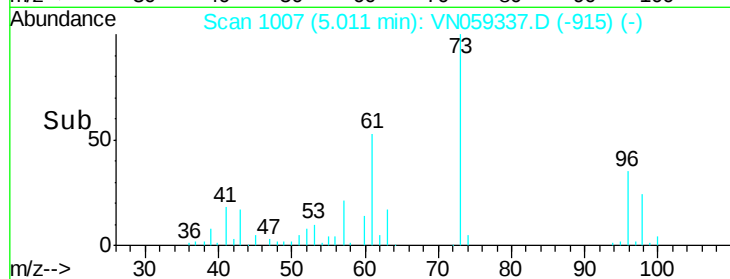
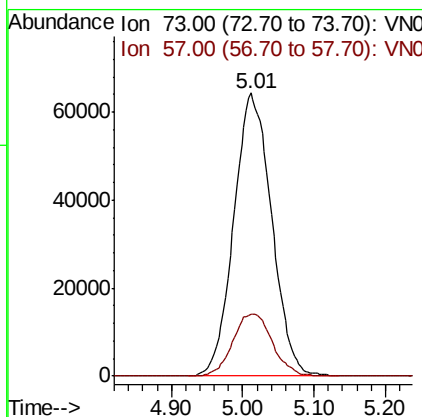
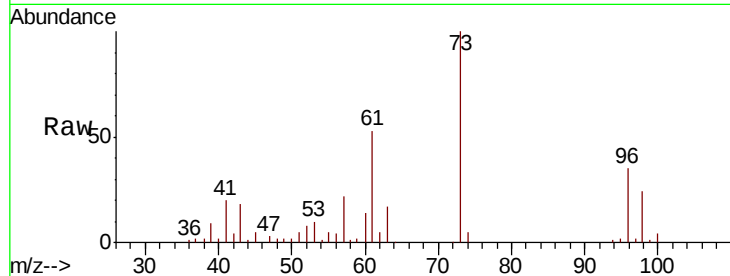
#19
Methyl tert-butyl Ether
Concen: 16.336 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS03

Tot Ion: 73 Resp: 237376
Ion Ratio Lower Upper
73 100
57 21.7 18.4 27.6

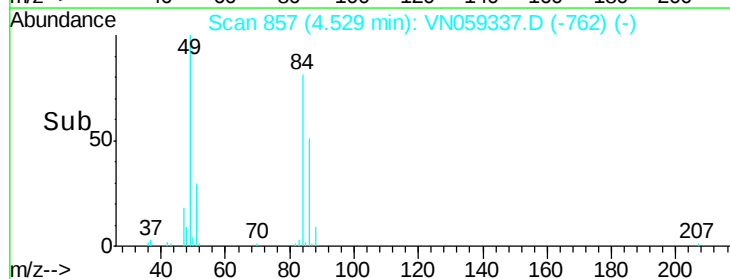
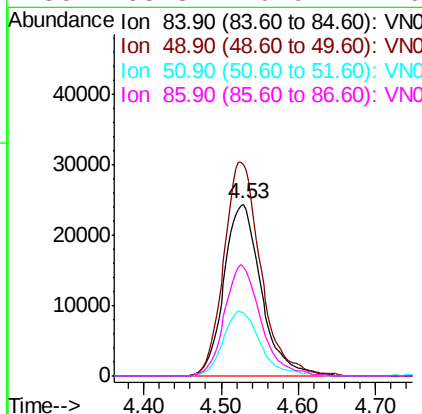
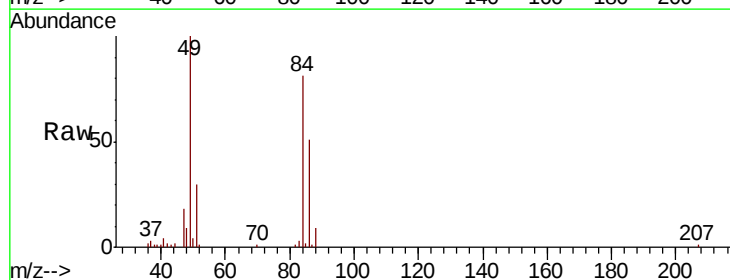
Manual Integrations
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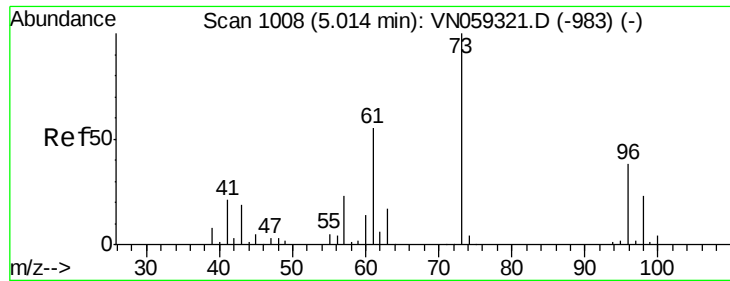
MMDadoda
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#20
Methylene Chloride
Concen: 16.083 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.01 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion: 84 Resp: 81343
Ion Ratio Lower Upper
84 100
49 123.1 99.5 149.3
51 36.4 31.1 46.7
86 63.3 49.9 74.9





#21

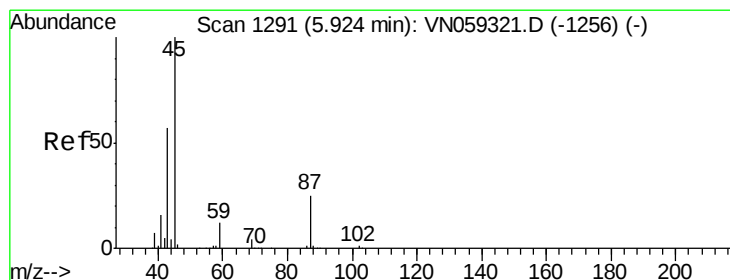
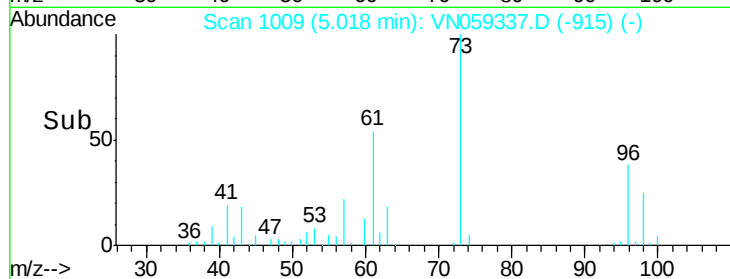
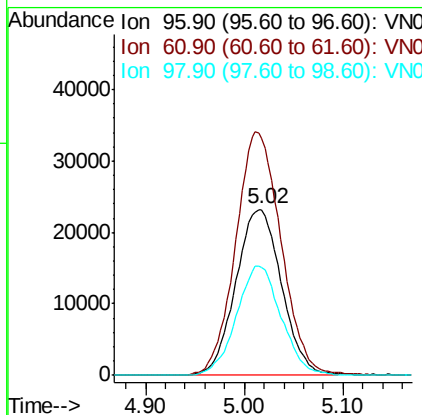
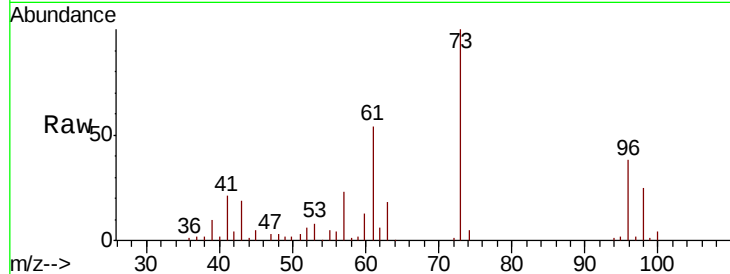
trans-1,2-Dichloroethene
Concen: 15.659 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.0	116.4	174.6
98	65.2	49.6	74.4

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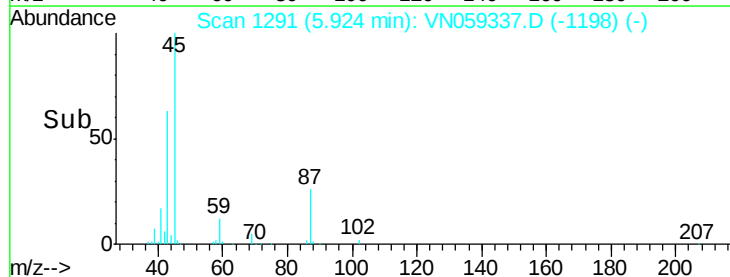
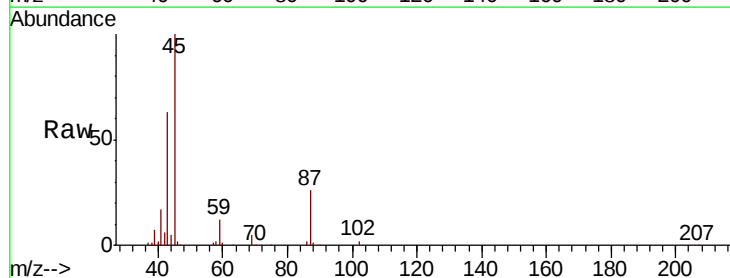
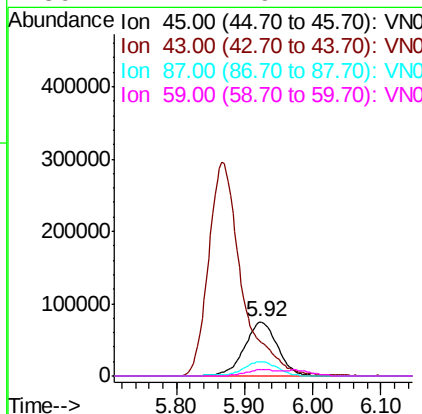
MMDadoda
11/22/2019 3:12:19 PM

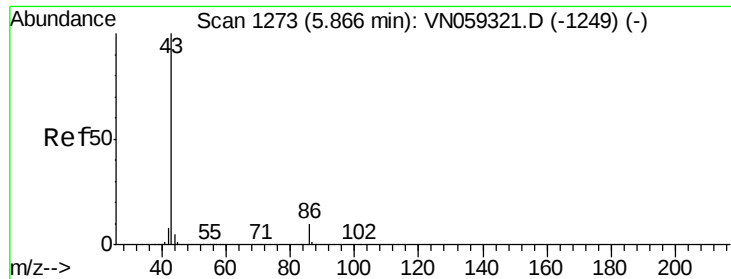


#22

Diisopropyl ether
Concen: 16.020 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.3	47.6	71.4
87	26.0	20.7	31.1
59	11.7	9.4	14.2





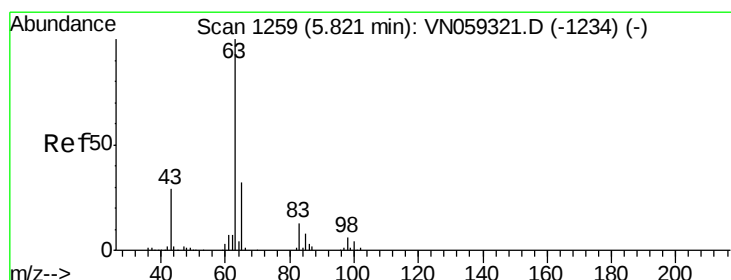
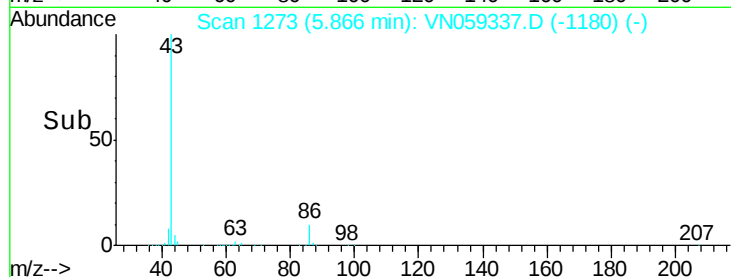
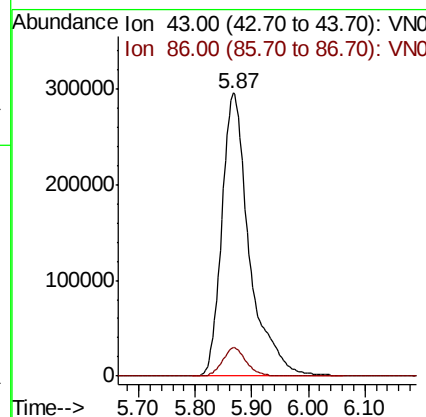
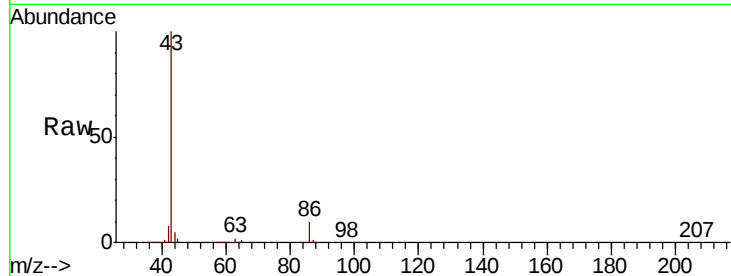
#23
 Vinyl Acetate
 Concen: 80.436 ug/l
 RT: 5.87 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS03

Tot Ion: 43 Resp: 1000895
 Ion Ratio Lower Upper
 43 100
 86 10.0 8.0 12.0

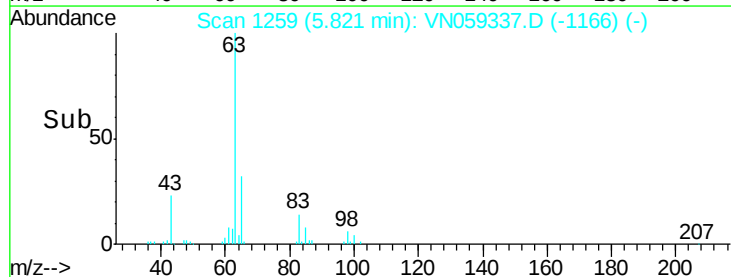
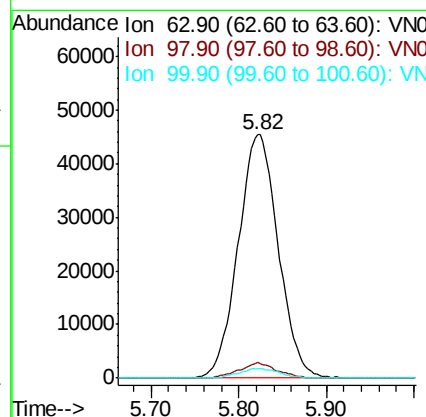
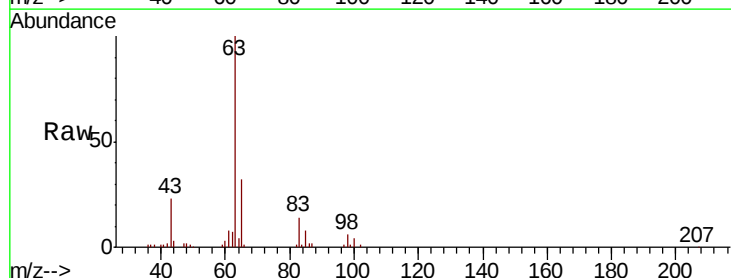
Manual Integrations
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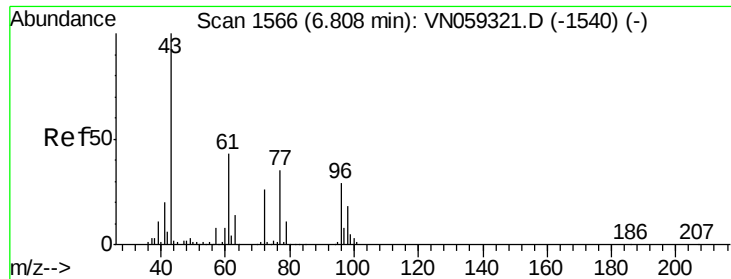
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#24
 1,1-Dichloroethane
 Concen: 16.211 ug/l
 RT: 5.82 min Scan# 1259
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Tgt Ion: 63 Resp: 144387
 Ion Ratio Lower Upper
 63 100
 98 6.3 2.9 8.8
 100 3.9 1.9 5.7





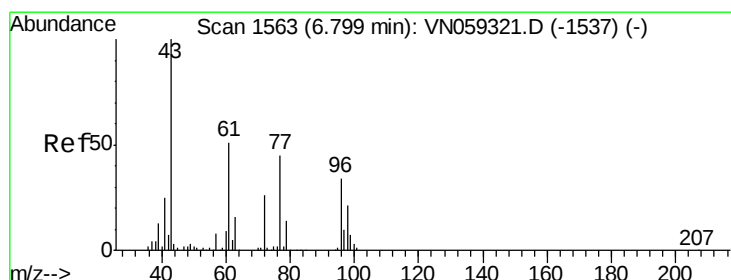
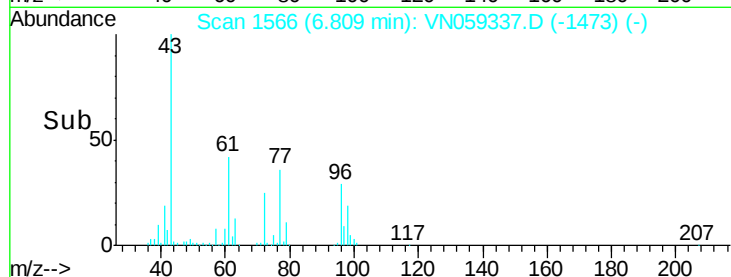
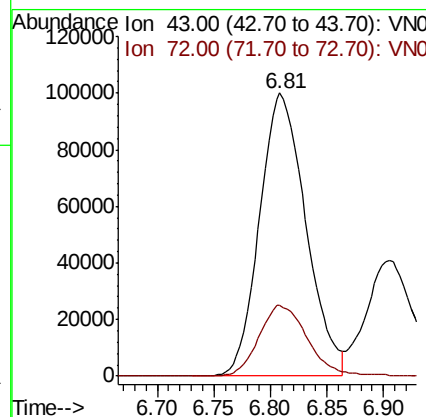
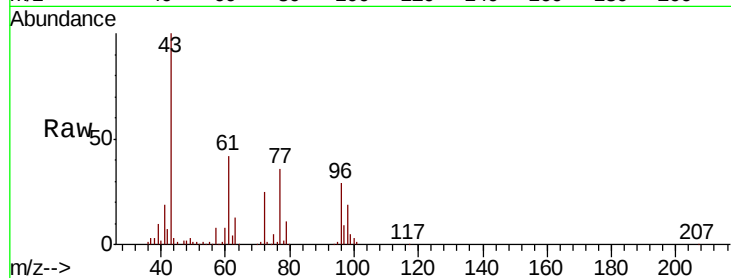
#25
2-Butanone
Concen: 81.529 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS03

Tot Ion: 43 Resp: 284295
Ion Ratio Lower Upper
43 100
72 25.1 20.5 30.7

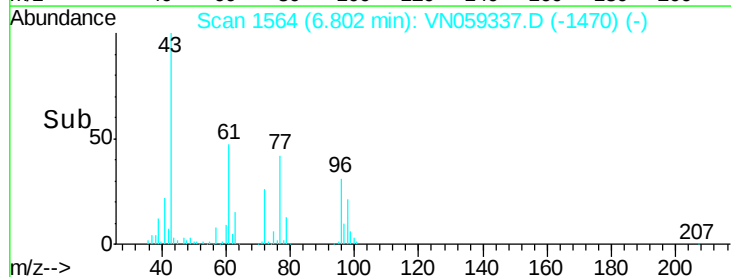
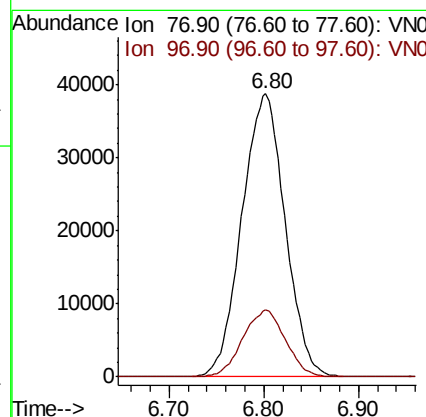
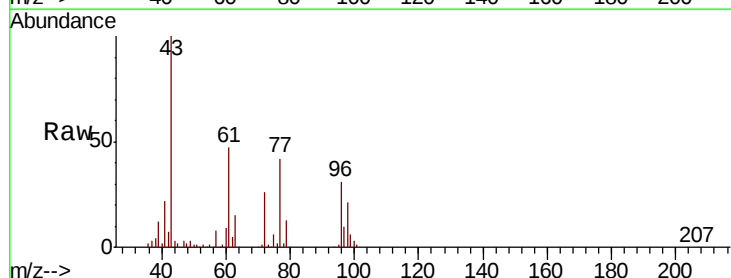
Manual Integrations
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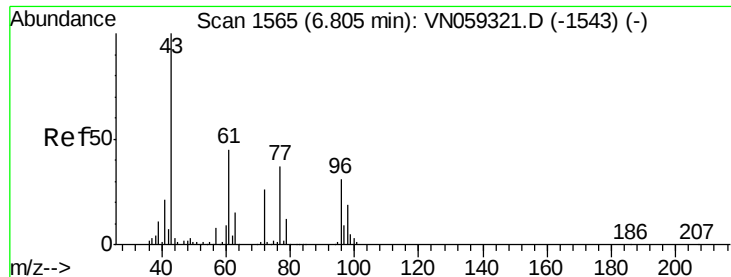
MMDadoda
11/22/2019 3:12:19 PM



#26
2,2-Dichloropropane
Concen: 15.915 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion: 77 Resp: 122741
Ion Ratio Lower Upper
77 100
97 23.4 11.5 34.4





#27

cis-1,2-Dichloroethene

Concen: 15.889 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

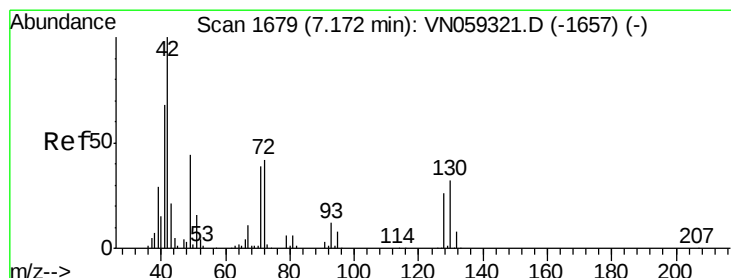
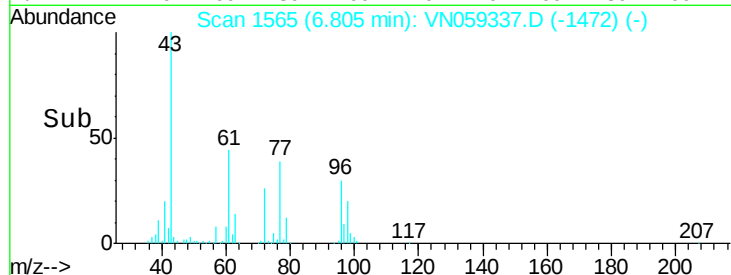
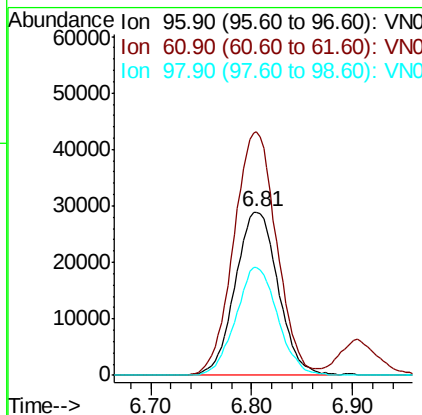
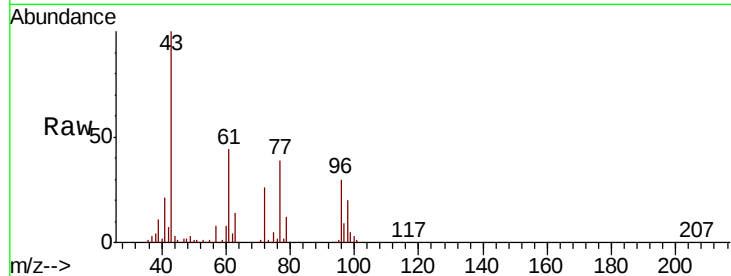
ClientSampleId :

VN1121MBS03

Tot Ion:	96	Resp:	85476
Ion	Ratio	Lower	Upper
96	100		
61	148.7	0.0	304.0
98	64.3	0.0	128.4

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#28

Bromochloromethane

Concen: 12.498 ug/l

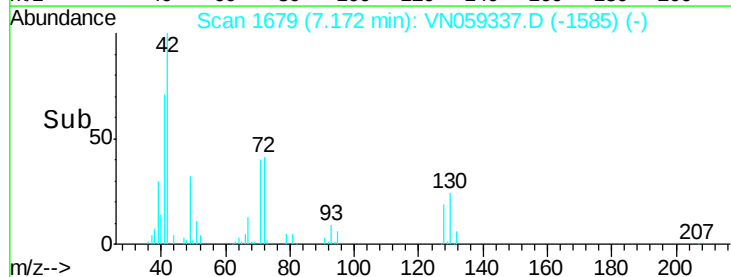
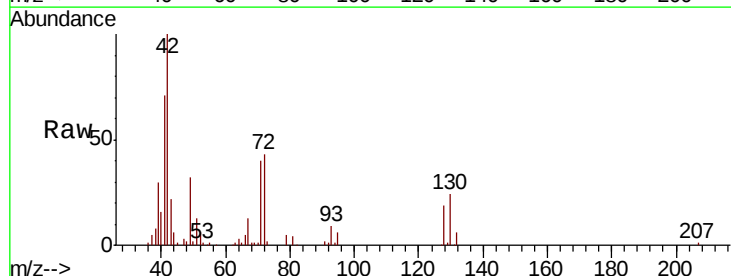
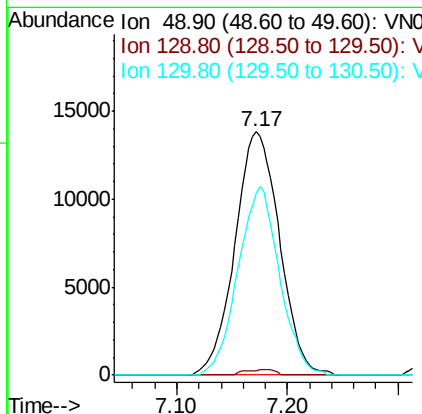
RT: 7.17 min Scan# 1679

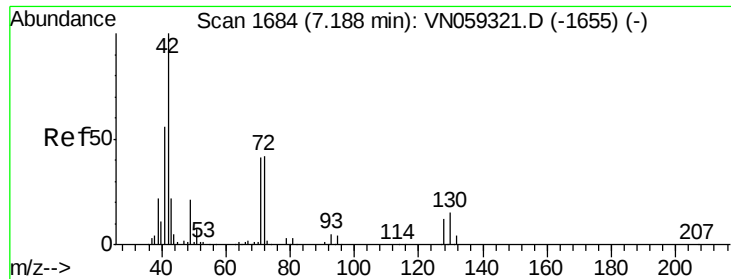
Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Tgt Ion:	49	Resp:	38631
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.8
130	72.0	57.0	85.6





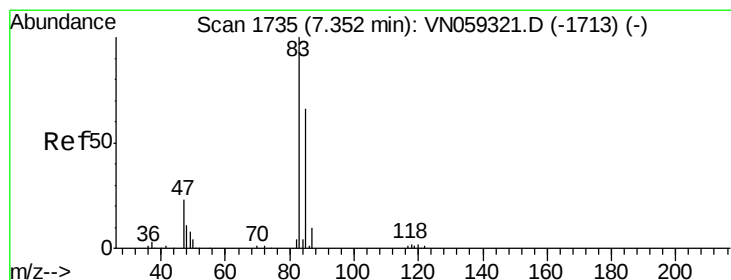
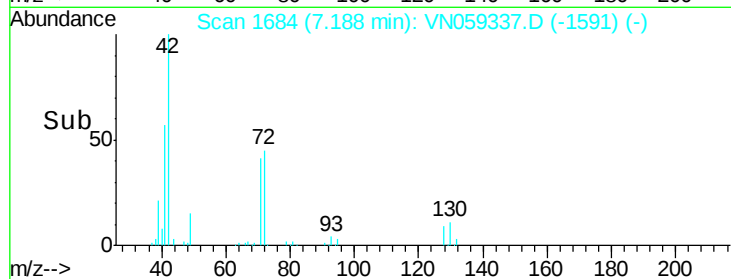
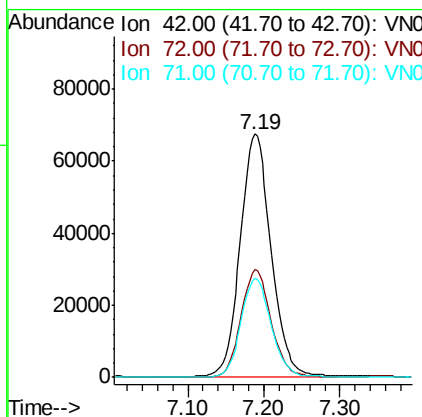
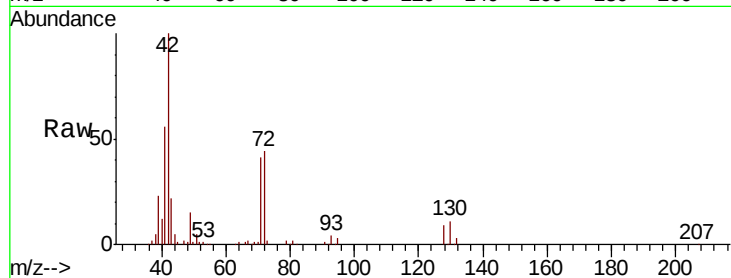
#29
Tetrahydrofuran
Concen: 79.104 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.2	51.2
71	40.1	32.6	48.8

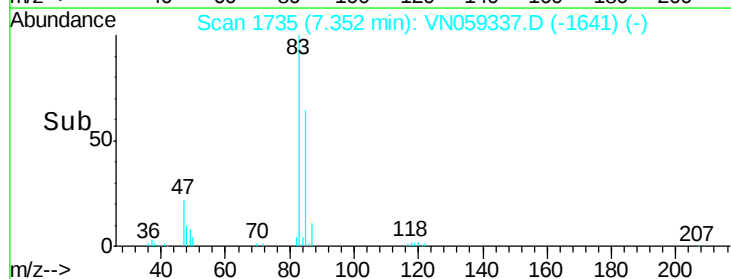
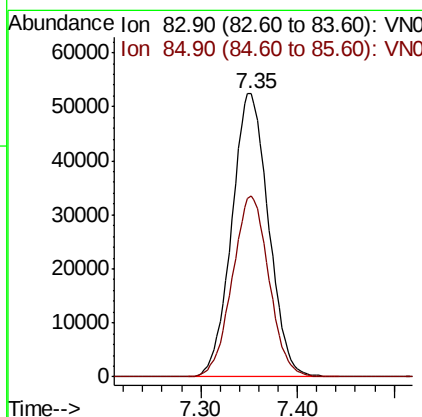
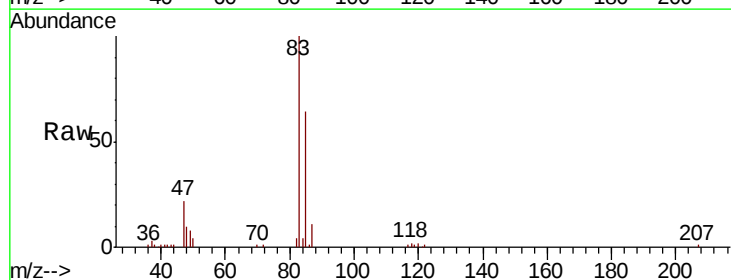
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APPROVED

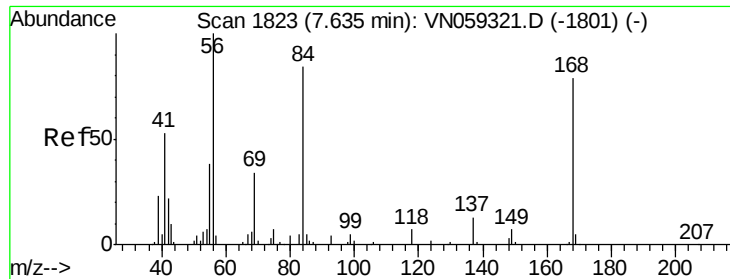
MMDadoda
11/22/2019 3:12:19 PM



#30
Chloroform
Concen: 15.864 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.7	79.1





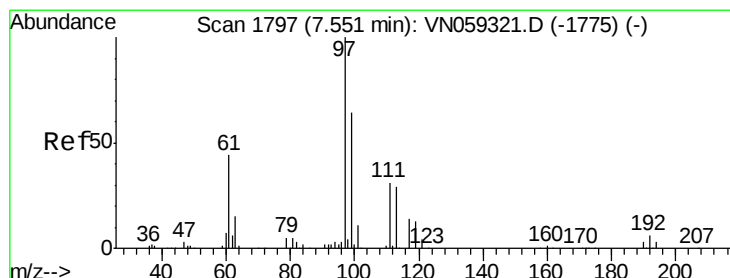
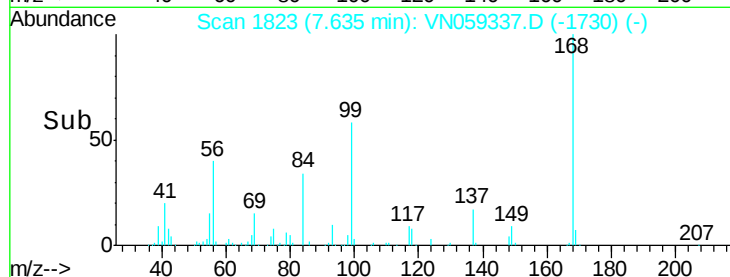
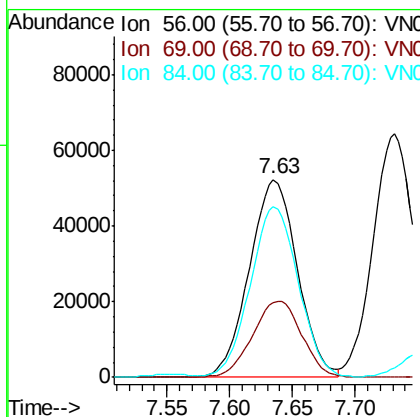
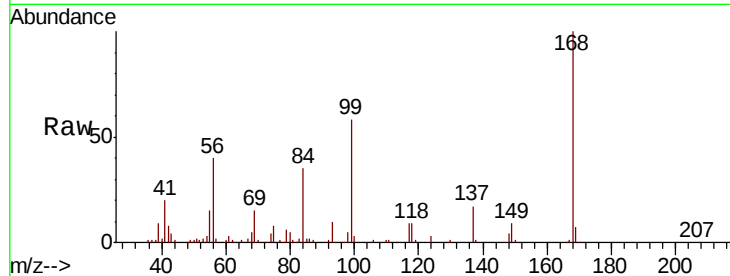
#31
Cyclohexane
Concen: 15.831 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		139415		
69	37.8	26.6	40.0		
84	85.2	67.0	100.4		

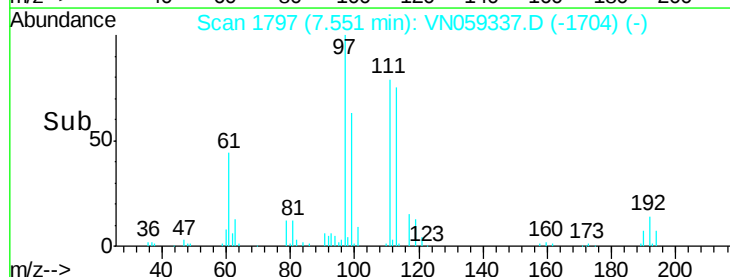
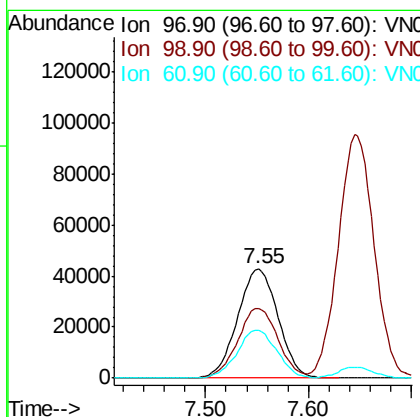
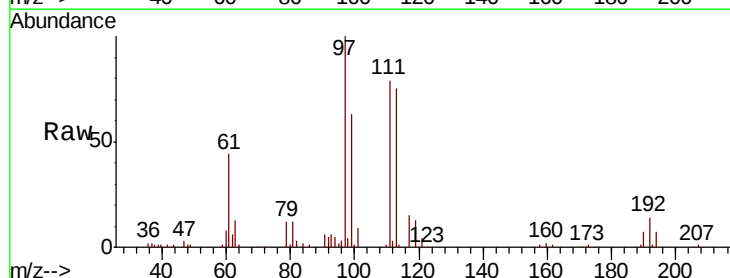
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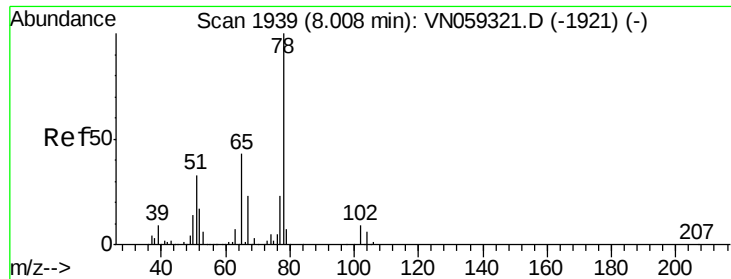
MMDadoda
11/22/2019 3:12:19 PM



#32
1,1,1-Trichloroethane
Concen: 15.662 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		116308		
99	63.5	51.3	76.9		
61	43.5	35.3	52.9		





#33

1,2-Dichloroethane-d4

Concen: 39.947 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS03

Tot Ion: 65 Resp: 199785

Ion Ratio Lower Upper

65 100

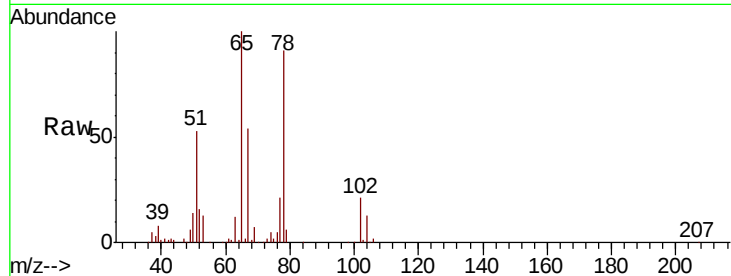
67 54.2 0.0 109.4

Manual Integrations

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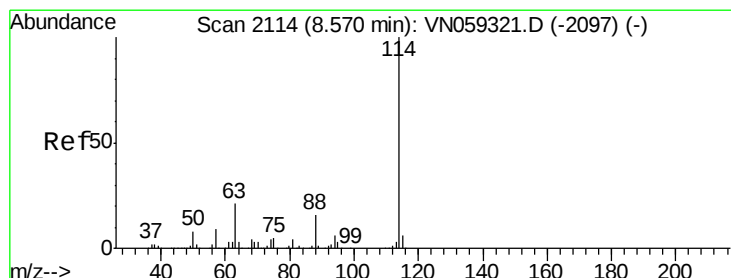
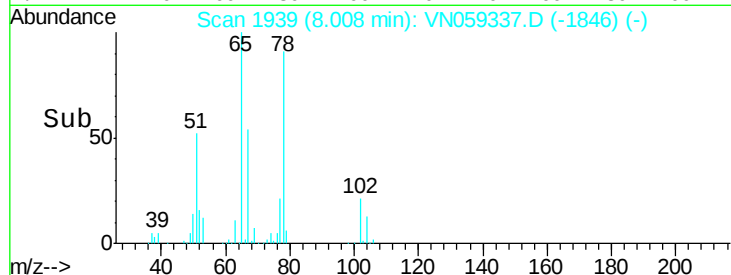
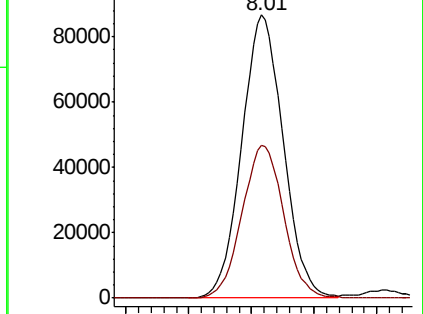
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Abundance Ion 64.90 (64.60 to 65.60): VN059337.D (-1846) (-)

Ion 66.90 (66.60 to 67.60): VN059337.D (-1846) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

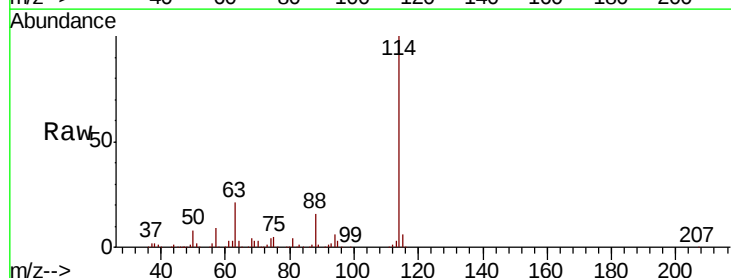
Tgt Ion: 114 Resp: 655568

Ion Ratio Lower Upper

114 100

63 20.9 0.0 42.2

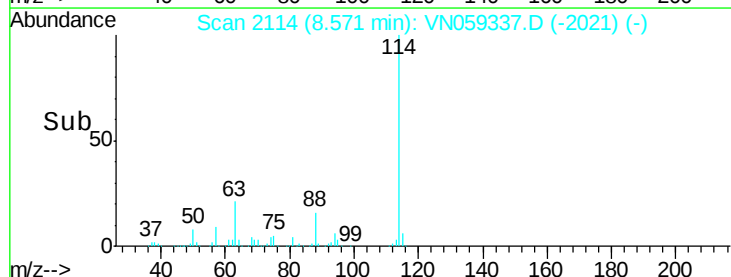
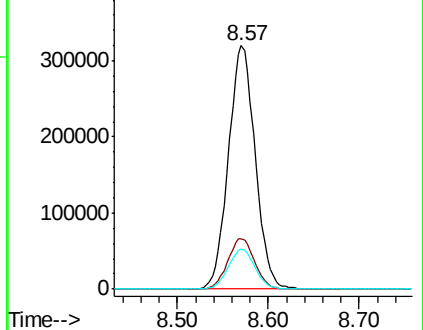
88 16.4 0.0 32.2

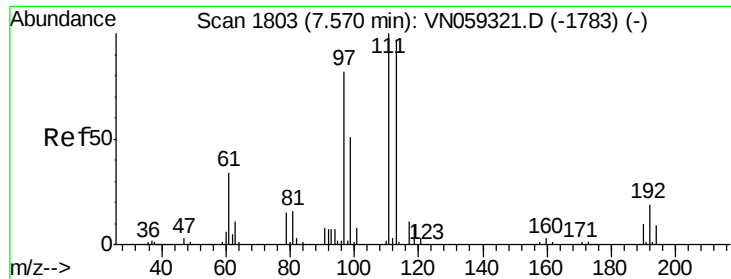


Abundance Ion 113.90 (113.60 to 114.60): VN059337.D (-2097) (-)

Ion 63.00 (62.70 to 63.70): VN059337.D (-2097) (-)

Ion 87.90 (87.60 to 88.60): VN059337.D (-2097) (-)





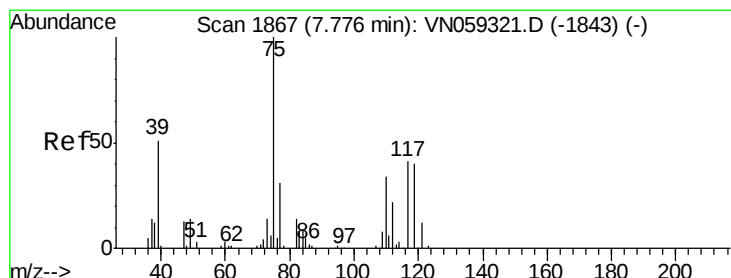
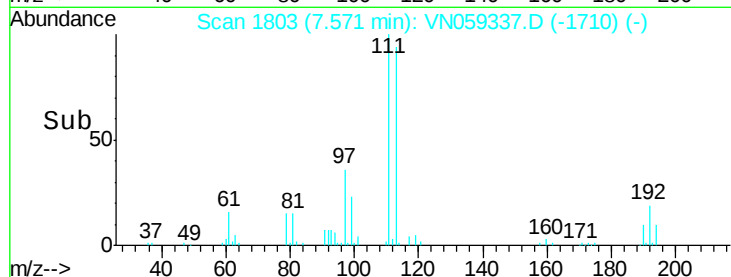
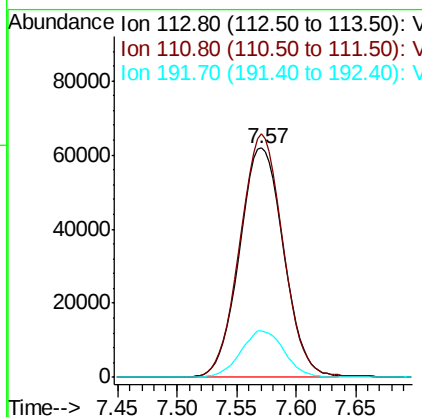
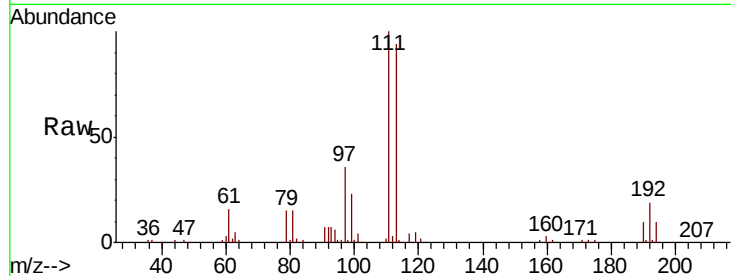
#35
 Dibromofluoromethane
 Concen: 40.624 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	159774		
111	103.2	82.7	124.1	
192	19.9	16.3	24.5	

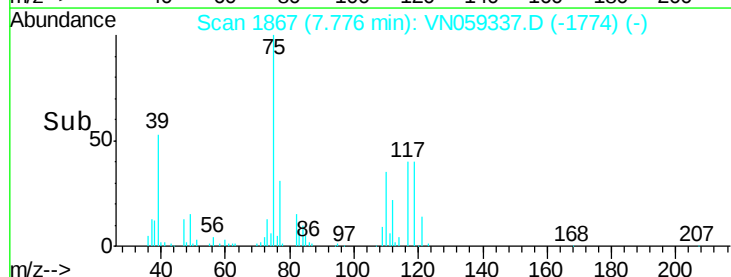
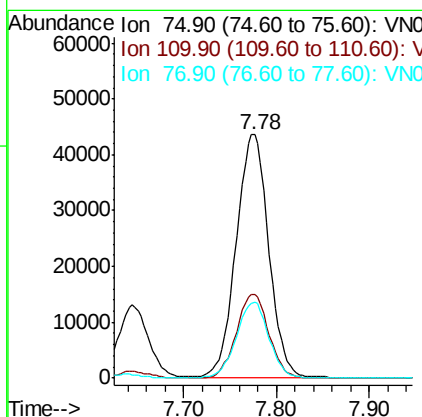
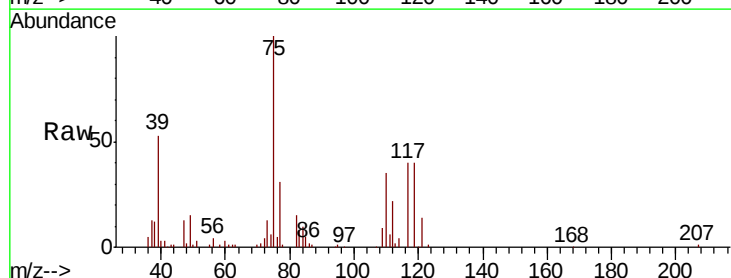
Manual Integrations
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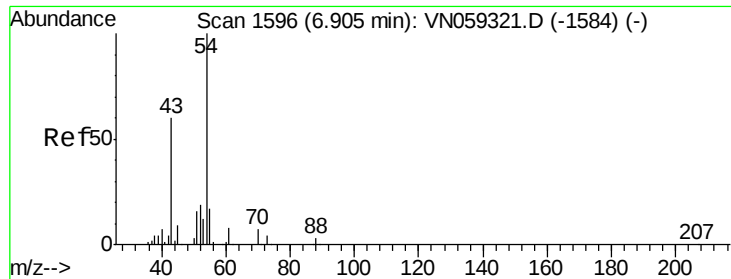
MMDadoda
 11/22/2019 3:12:19 PM



#36
 1,1-Dichloropropene
 Concen: 15.775 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	106762		
110	34.1	17.0	51.0	
77	31.0	24.8	37.2	





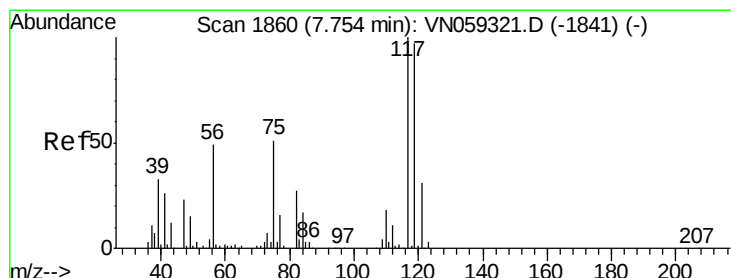
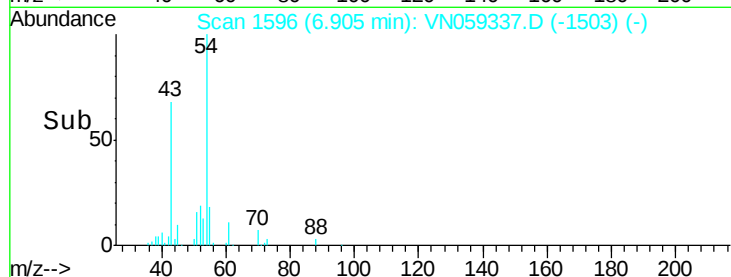
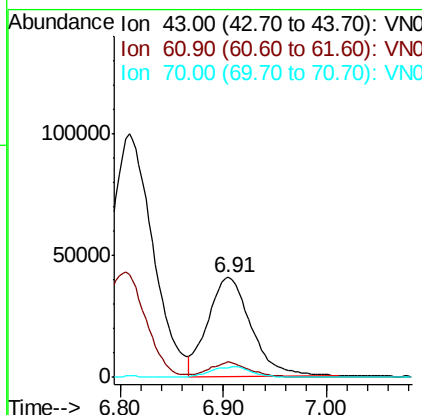
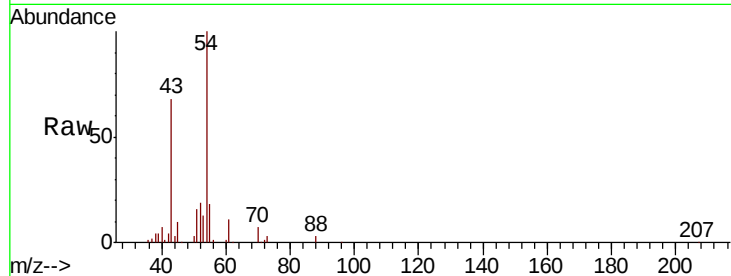
#37
Ethyl Acetate
Concen: 16.299 ug/l
RT: 6.91 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.0	16.6
70	10.1	8.8	13.2

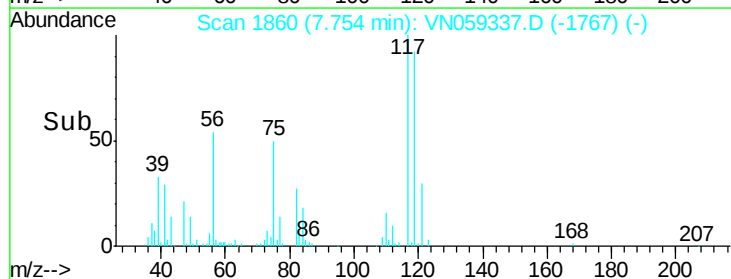
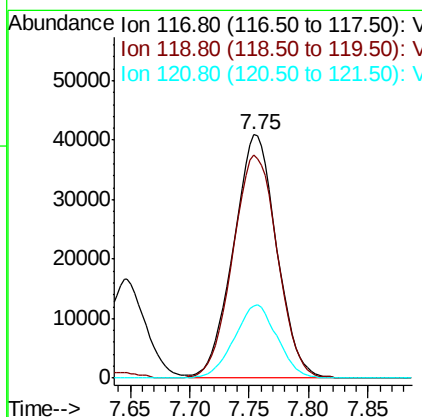
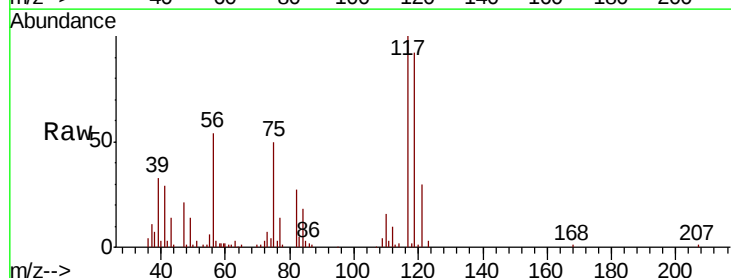
Manual Integrations
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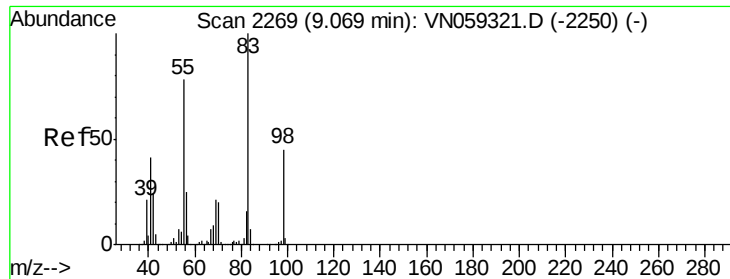
MMDadoda
11/22/2019 3:12:19 PM



#38
Carbon Tetrachloride
Concen: 15.849 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	77.0	115.4
121	29.8	24.4	36.6





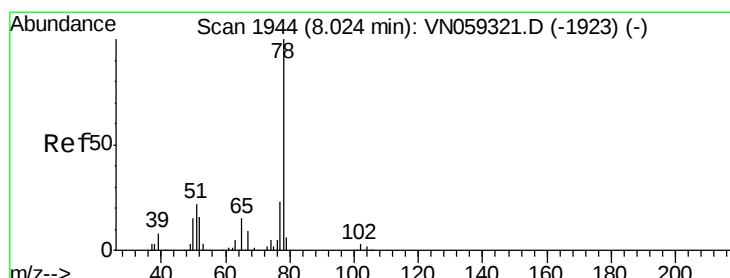
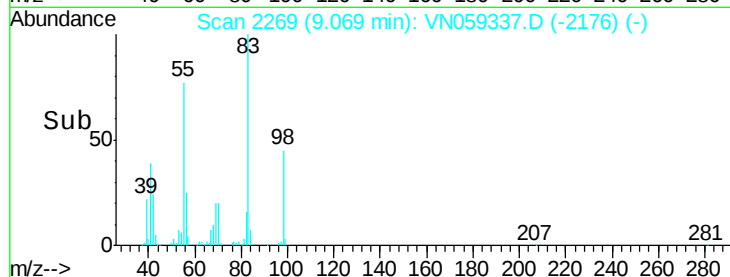
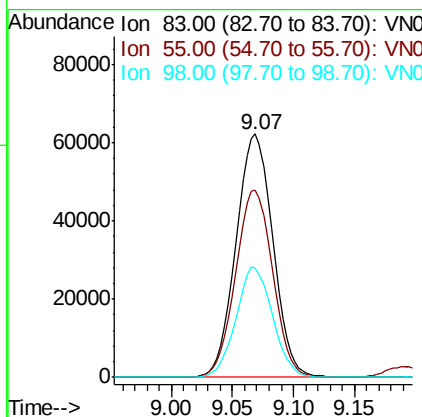
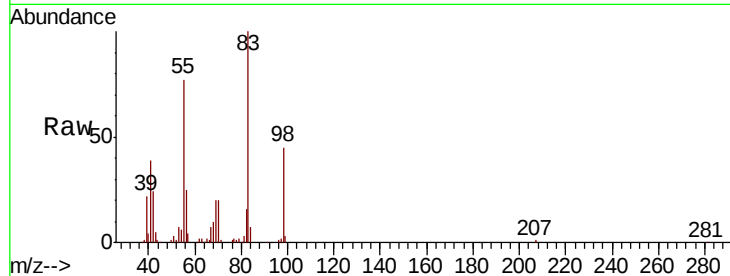
#39
Methvlcvclohexane
Concen: 15.953 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS03

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.0	62.3	93.5
98	45.1	36.0	54.0

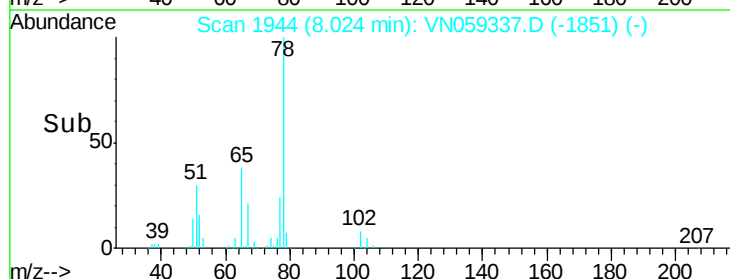
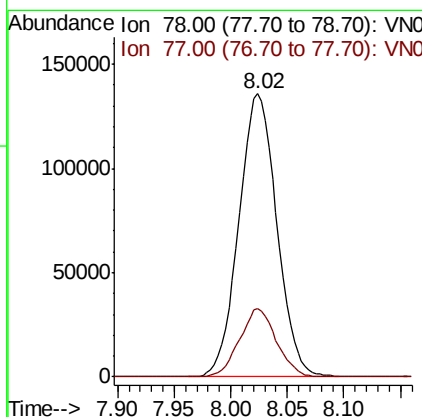
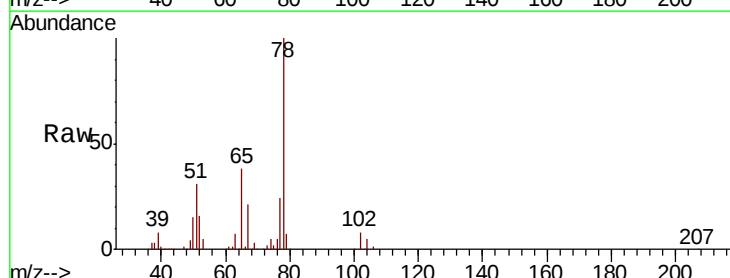
Manual Integrations
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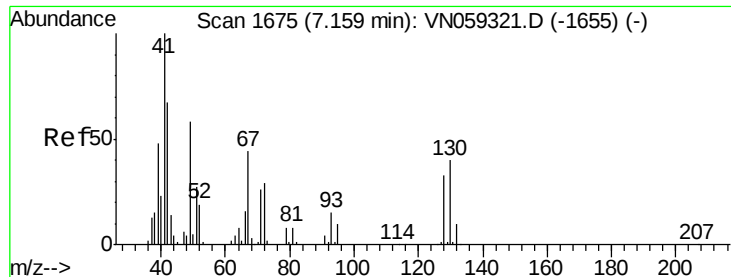
MMDadoda
11/22/2019 3:12:19 PM



#40
Benzene
Concen: 15.995 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.4	27.6





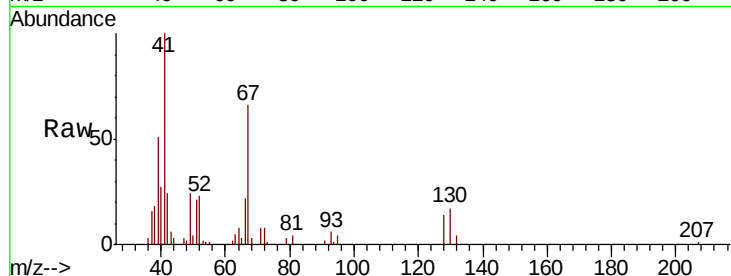
#41
Methacrylonitrile
Concen: 13.336 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS03

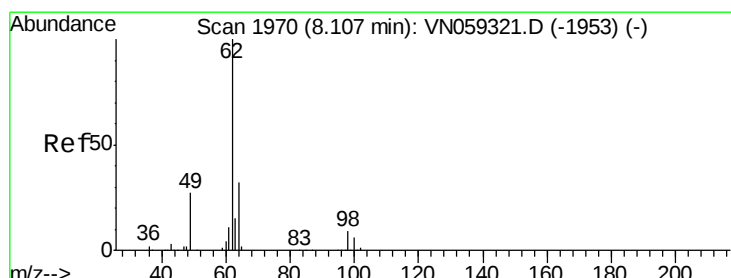
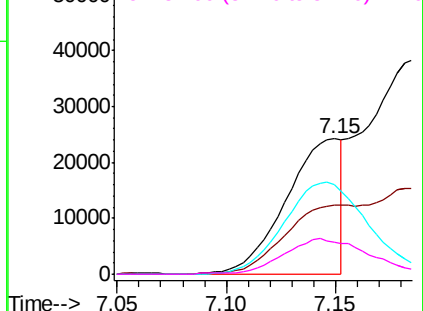
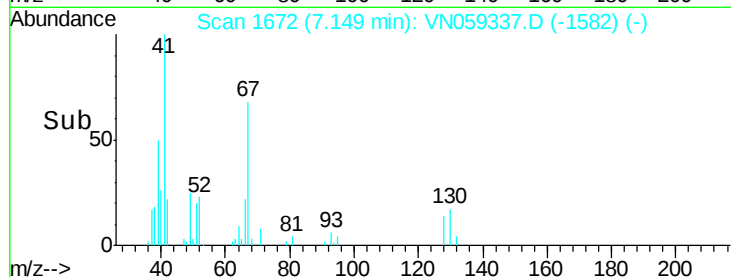
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
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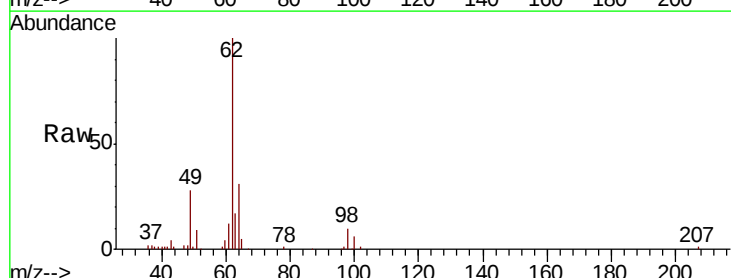


Abundance Ion 41.00 (40.70 to 41.70): VN059337.D (-1582) (-)
Ion 39.00 (38.70 to 39.70): VN059337.D (-1582) (-)
Ion 67.00 (66.70 to 67.70): VN059337.D (-1582) (-)
Ion 52.00 (51.70 to 52.70): VN059337.D (-1582) (-)

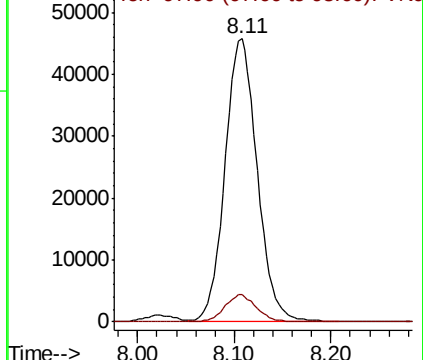
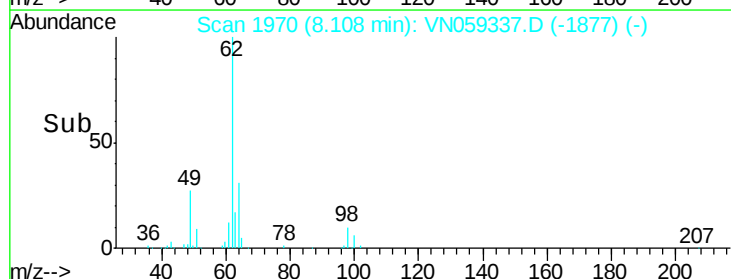


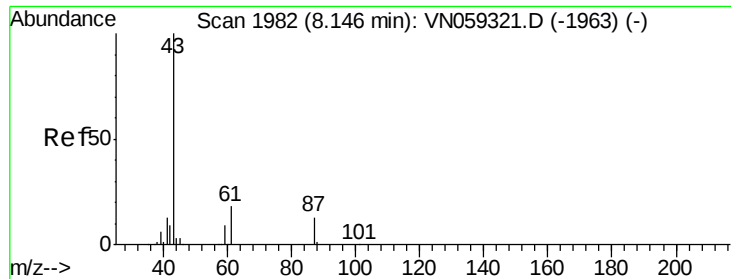
#42
1,2-Dichloroethane
Concen: 16.120 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VN059337.D (-1877) (-)
Ion 97.90 (97.60 to 98.60): VN059337.D (-1877) (-)





#43

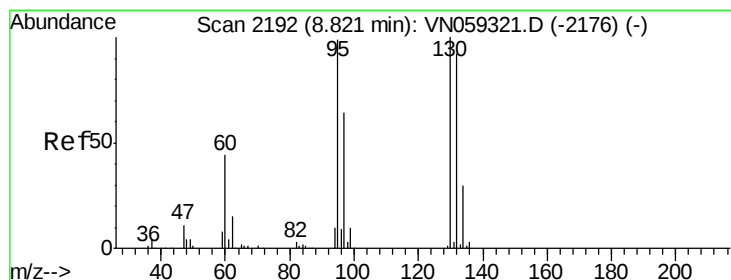
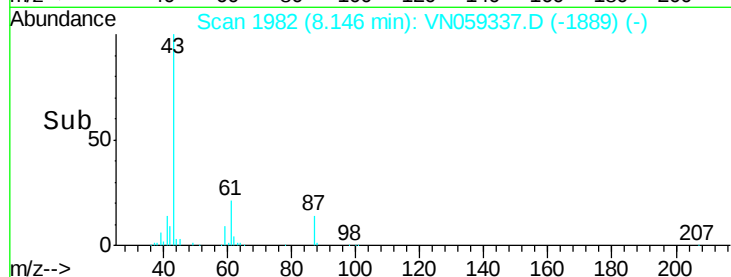
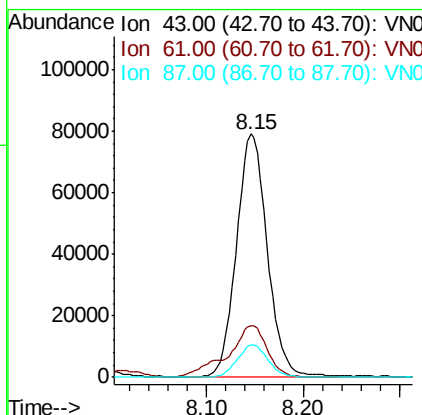
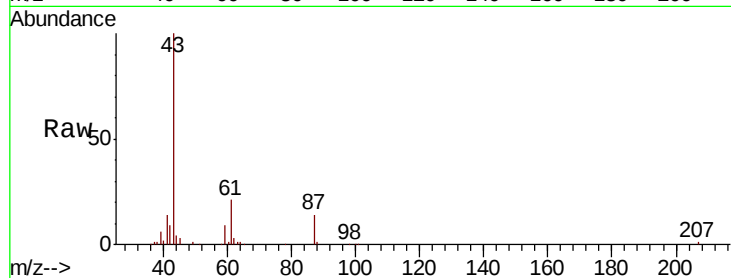
Isopropyl Acetate
 Concen: 15.820 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.4	21.7	32.5
87	13.2	10.2	15.4

Manual Integrations
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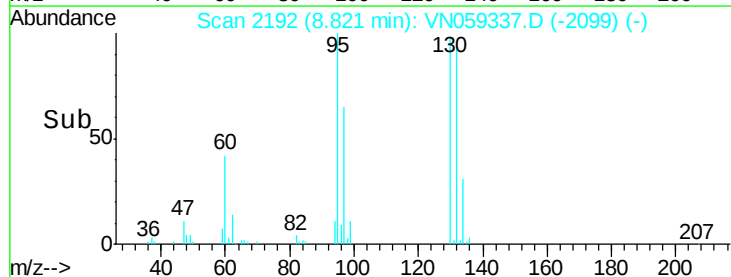
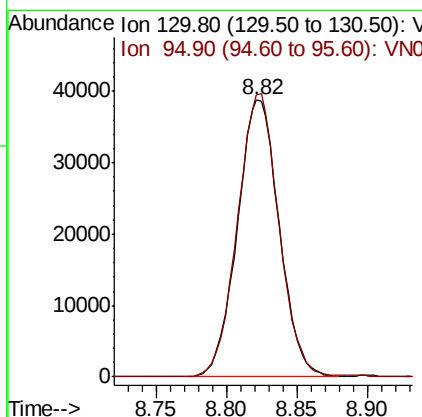
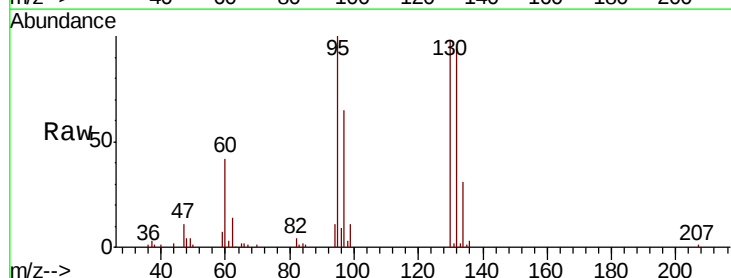
MMDadoda
 11/22/2019 3:12:19 PM

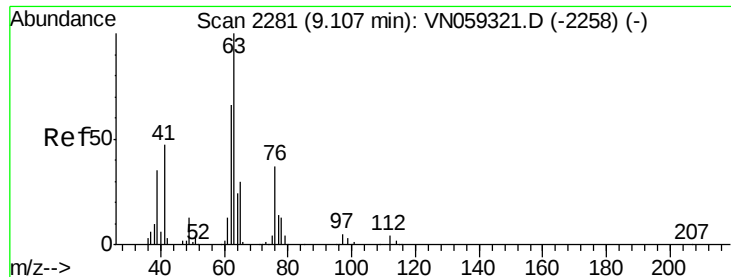


#44

Trichloroethene
 Concen: 15.996 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	198.4





#45

1,2-Dichloropropane

Concen: 16.106 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS03

Tot Ion: 63 Resp: 85309

Ion Ratio Lower Upper

63 100

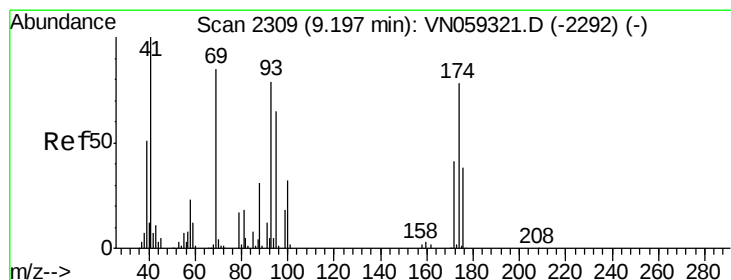
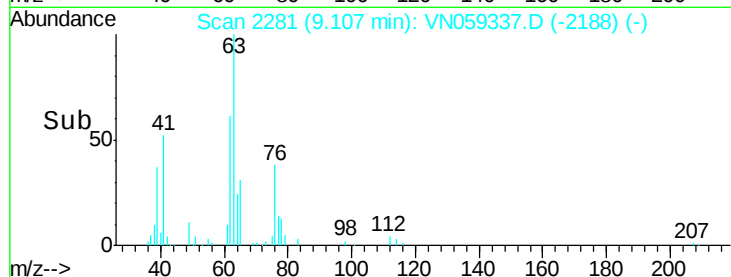
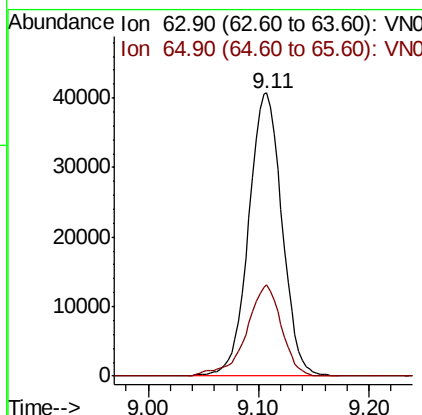
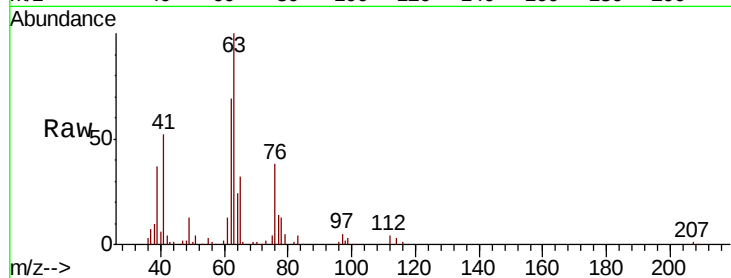
65 32.1 23.9 35.9

Manual Integrations

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#46

Dibromomethane

Concen: 15.944 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

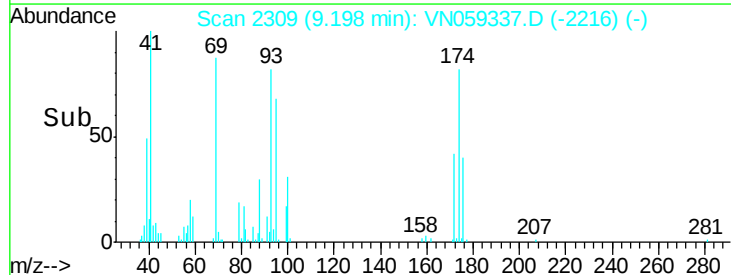
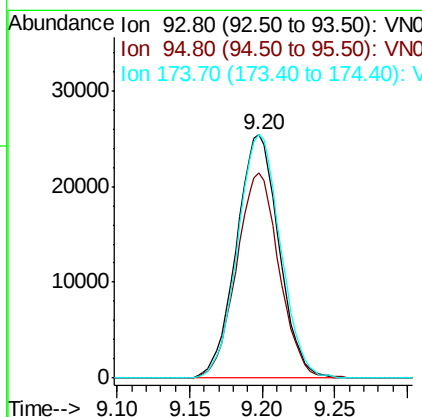
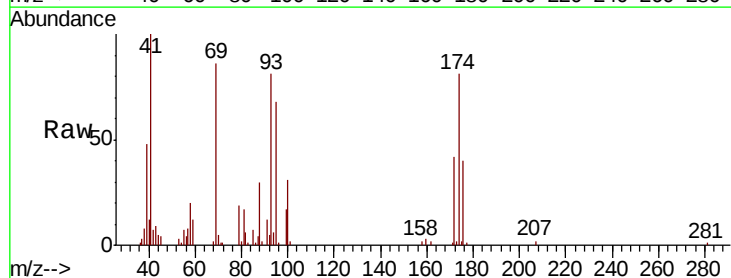
Tgt Ion: 93 Resp: 51799

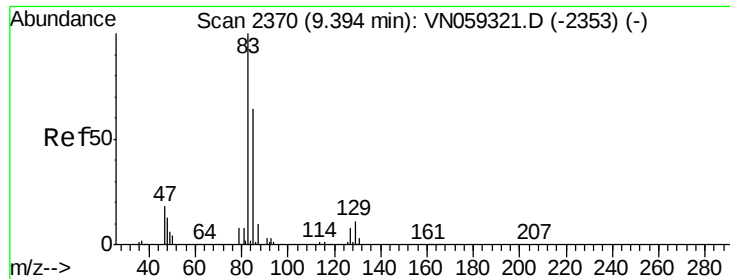
Ion Ratio Lower Upper

93 100

95 84.4 66.9 100.3

174 100.6 80.6 120.8





#47

Bromodichloromethane

Concen: 15.719 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. -0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

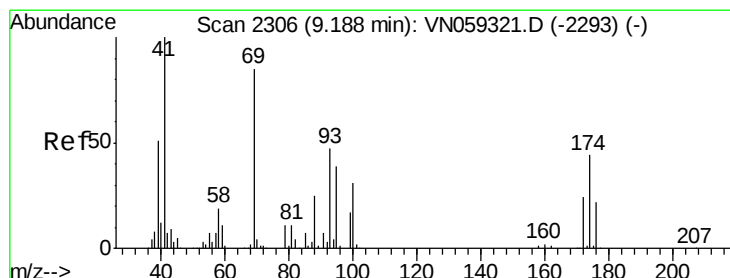
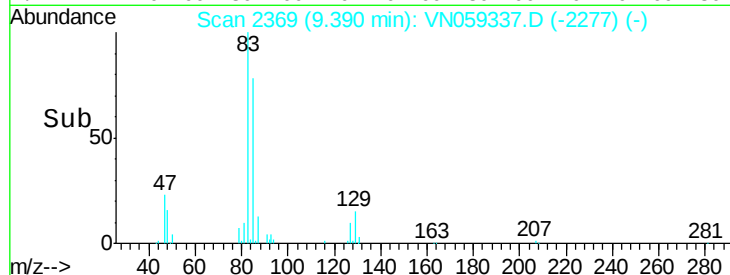
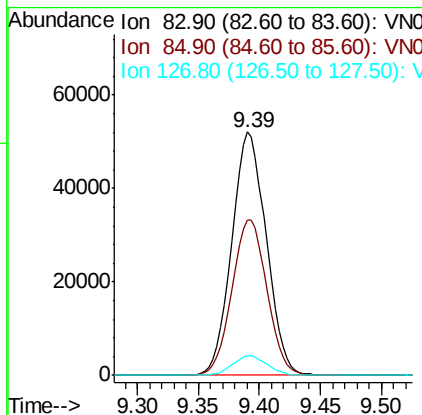
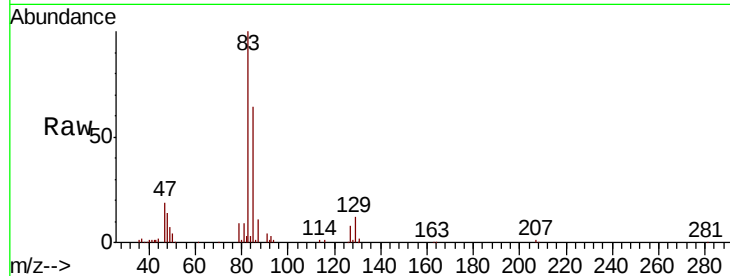
ClientSampleId :

VN1121MBS03

Tot Ion:	83	Resp:	102277
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.5	77.3
127	8.1	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 15.491 ug/l

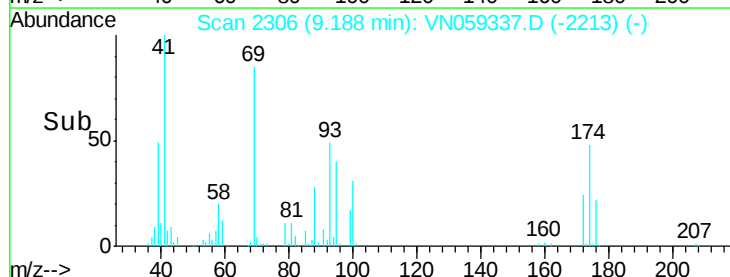
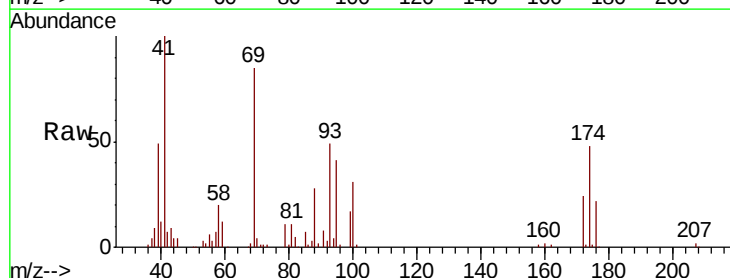
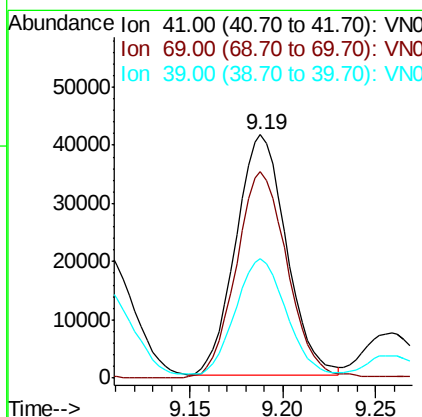
RT: 9.19 min Scan# 2306

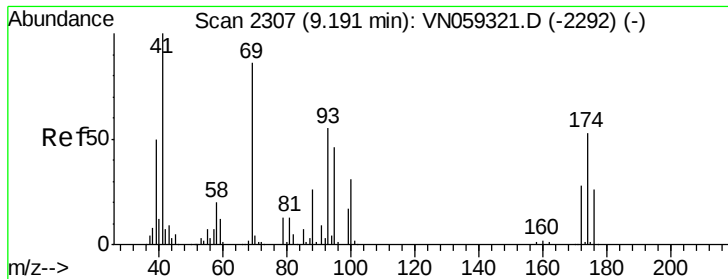
Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Tgt Ion:	41	Resp:	78306
Ion Ratio	Lower	Upper	
41	100		
69	87.5	68.8	103.2
39	50.3	42.1	63.1





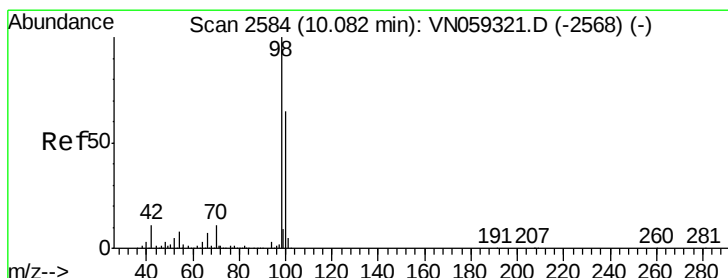
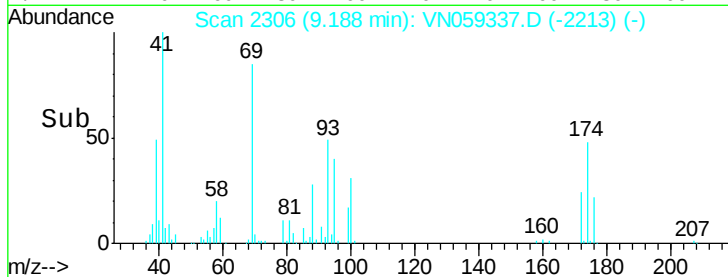
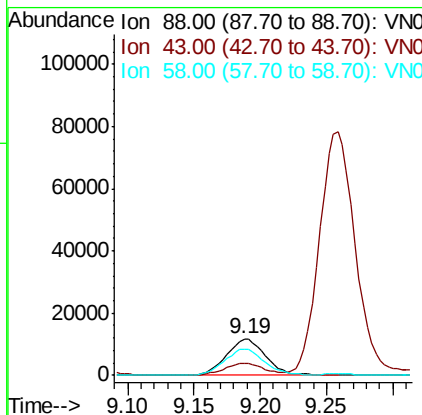
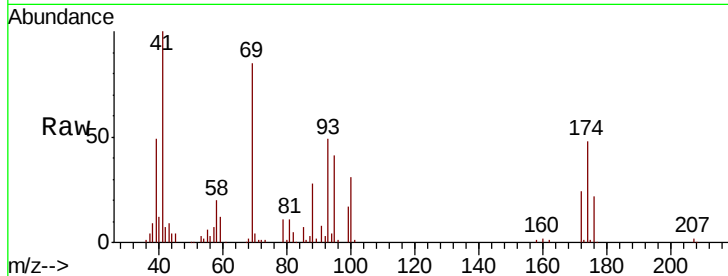
#49
1,4-Dioxane
Concen: 315.513 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.2	26.9	40.3
58	74.3	59.2	88.8

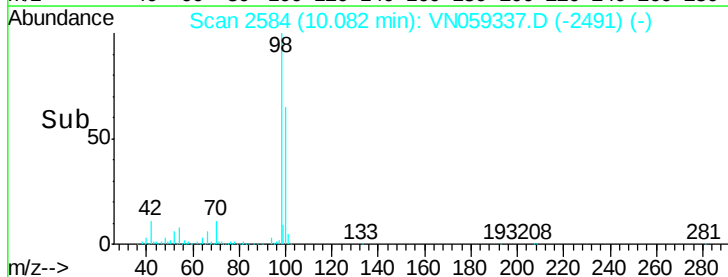
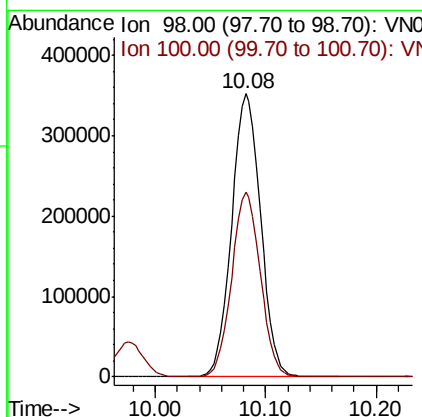
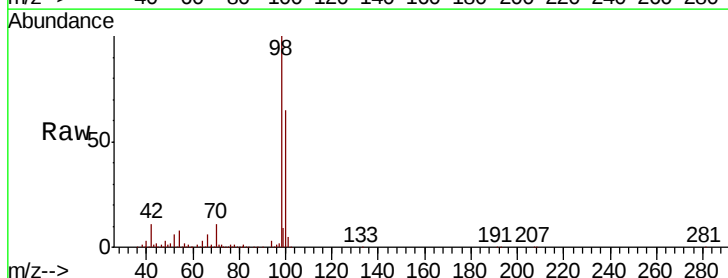
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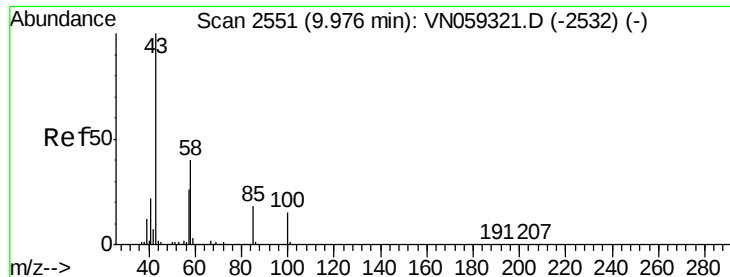
MMDadoda
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#50
Toluene-d8
Concen: 41.084 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 84.411 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS03

Tot Ion: 43 Resp: 549214

Ion Ratio Lower Upper

43 100

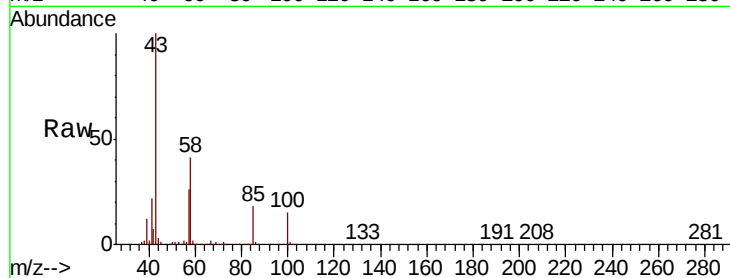
58 40.0 31.8 47.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

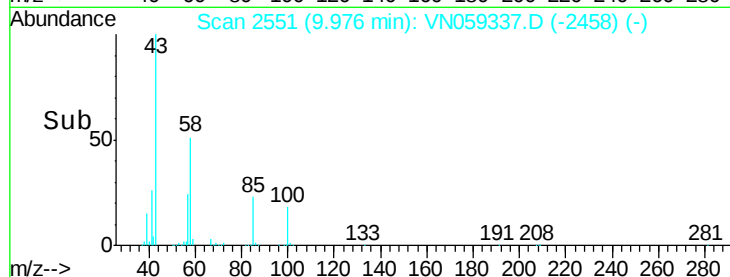
300000

200000

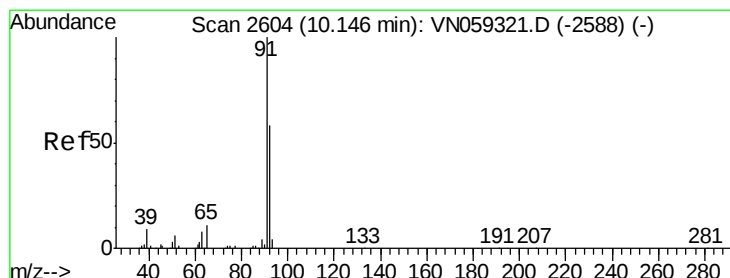
100000

0

Time-->



Time-->



#52

Toluene

Concen: 16.153 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059337.D

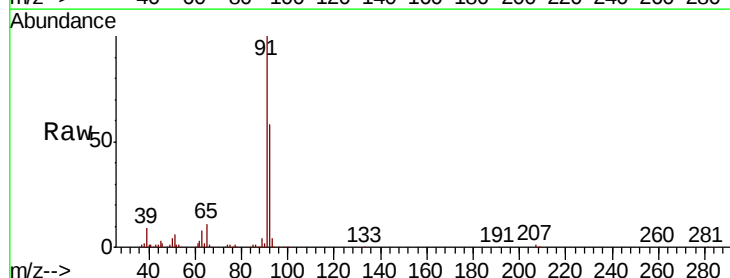
Acq: 21 Nov 2019 15:50

Tgt Ion: 92 Resp: 192929

Ion Ratio Lower Upper

92 100

91 173.4 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

200000

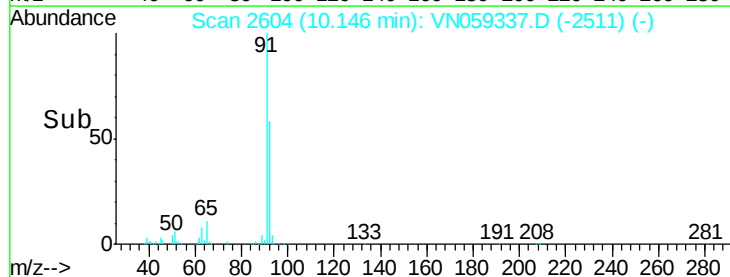
150000

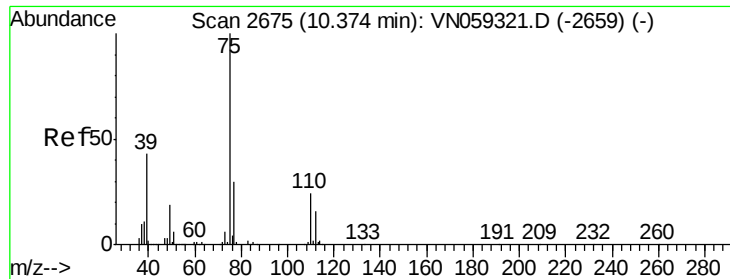
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 15.826 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS03

Tot Ion: 75 Resp: 119706

Ion Ratio Lower Upper

75 100

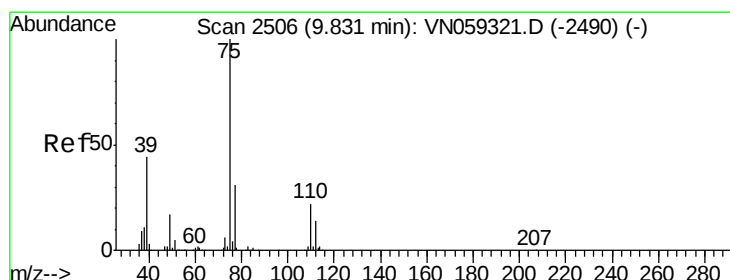
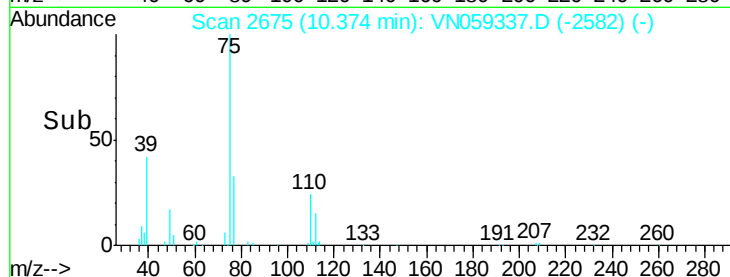
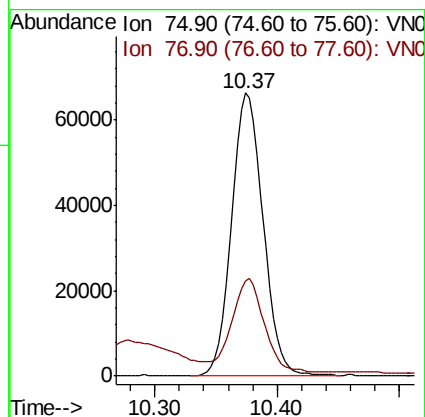
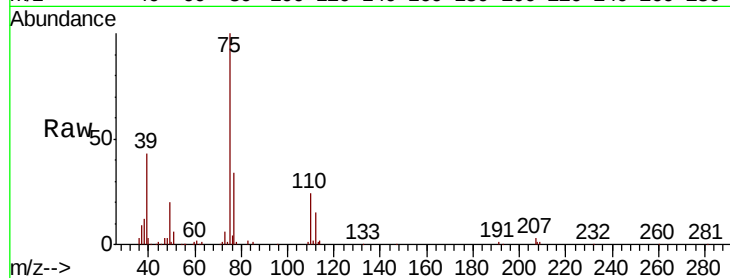
77 32.2 25.5 38.3

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 16.143 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

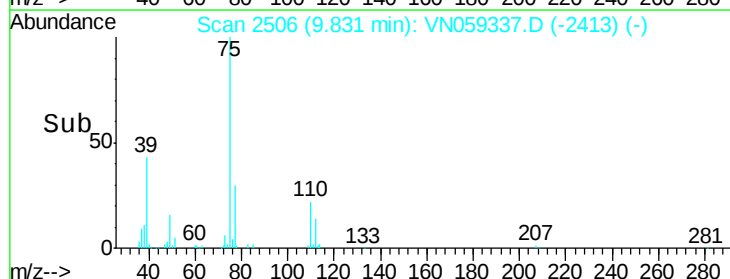
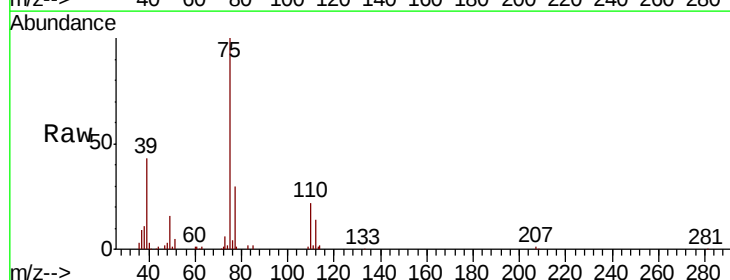
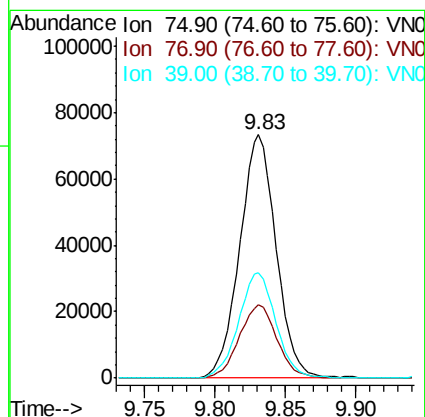
Tgt Ion: 75 Resp: 132494

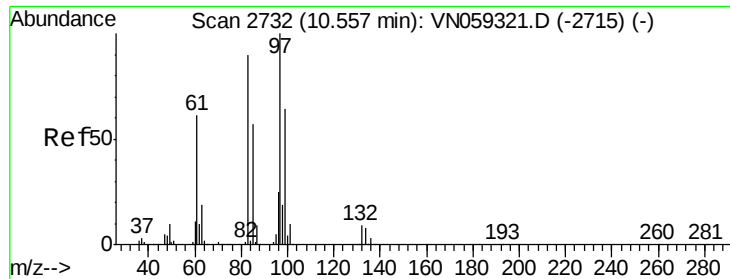
Ion Ratio Lower Upper

75 100

77 30.0 25.0 37.4

39 43.2 35.5 53.3





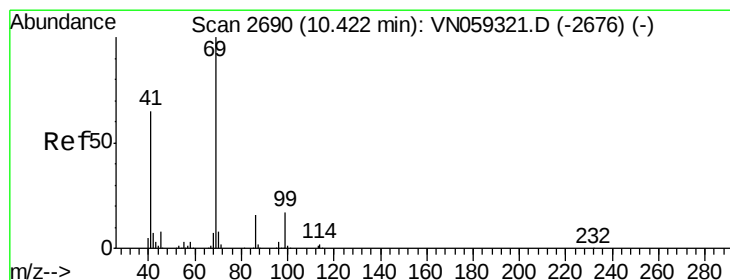
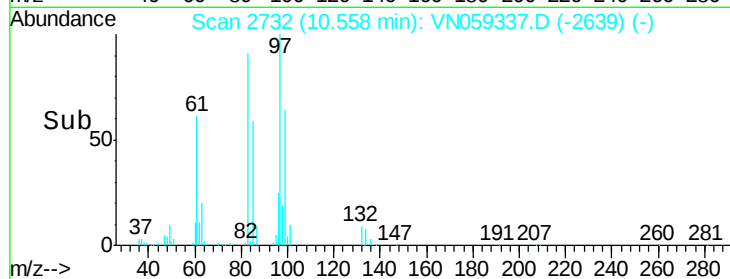
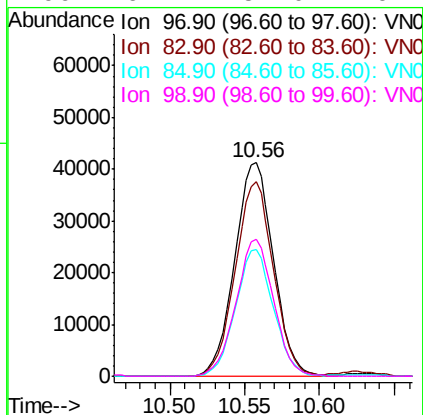
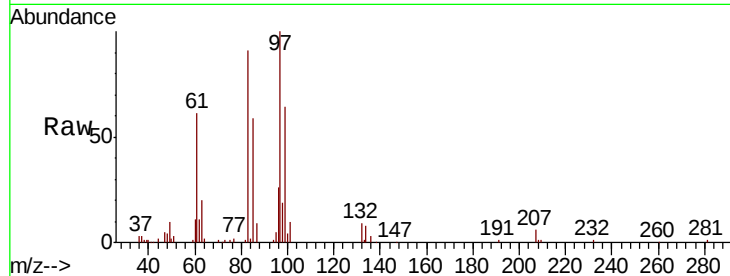
#55
 1,1,2-Trichloroethane
 Concen: 16.052 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS03

Tot Ion:	97	Resp:	74544
Ion	Ratio	Lower	Upper
97	100		
83	90.9	72.0	108.0
85	59.4	45.8	68.6
99	64.1	51.0	76.4

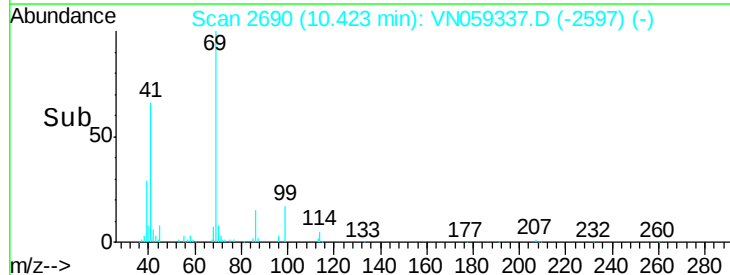
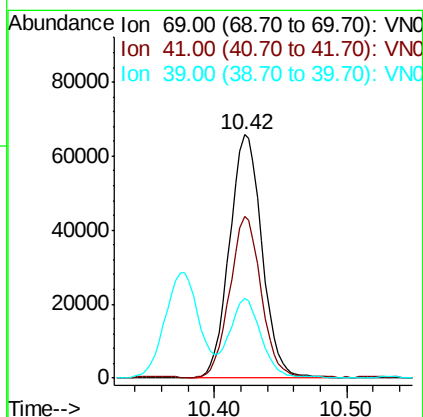
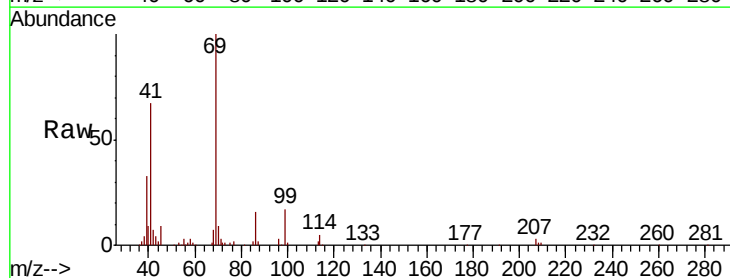
Manual Integrations
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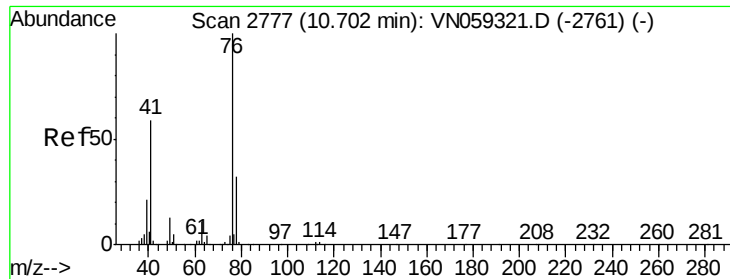
MMDadoda
 11/22/2019 3:12:19 PM



#56
 Ethyl methacrylate
 Concen: 15.871 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Tgt Ion:	69	Resp:	112195
Ion	Ratio	Lower	Upper
69	100		
41	63.7	51.7	77.5
39	31.0	25.2	37.8





#57

1,3-Dichloropropane

Concen: 16.165 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS03

Tot Ion: 76 Resp: 130831

Ion Ratio Lower Upper

76 100

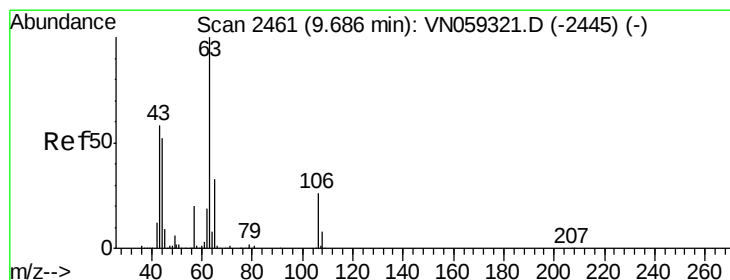
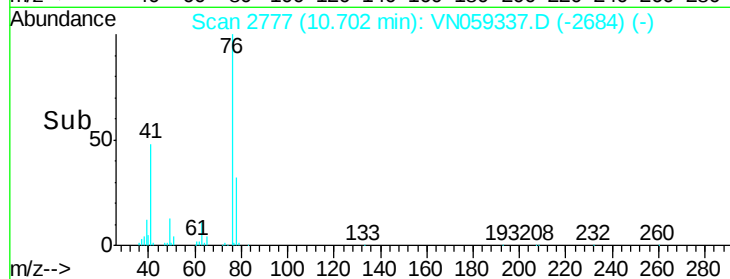
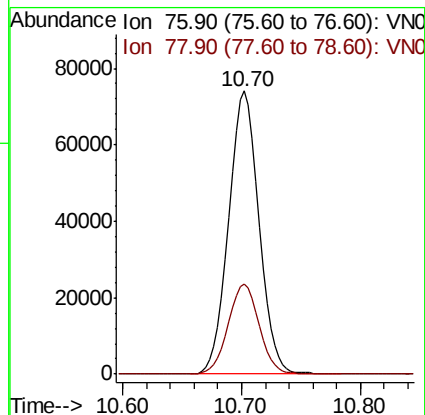
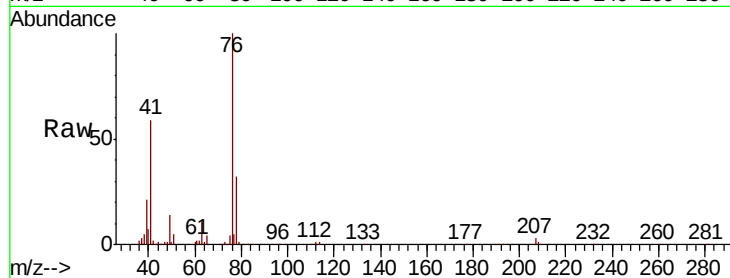
78 32.4 26.0 39.0

Manual Integrations

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11/22/2019 3:12:19 PM



#58

2-Chloroethyl Vinyl ether

Concen: 94.425 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN059337.D

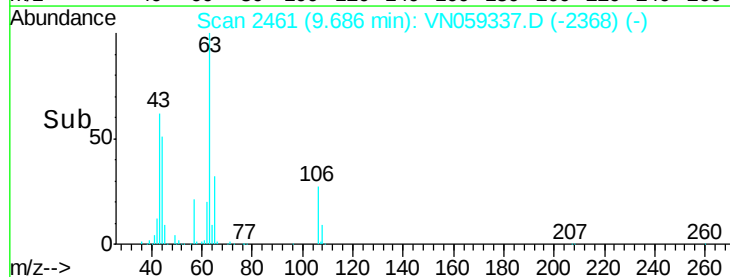
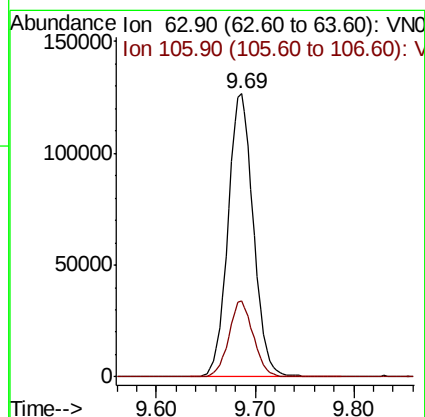
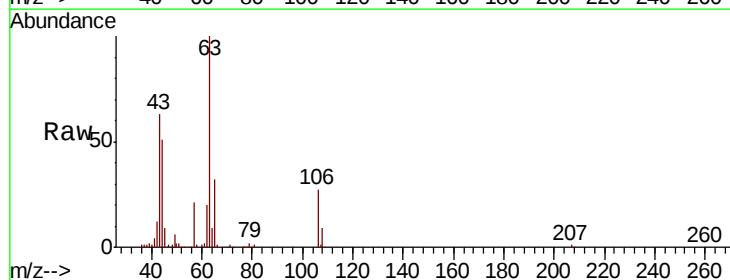
Acq: 21 Nov 2019 15:50

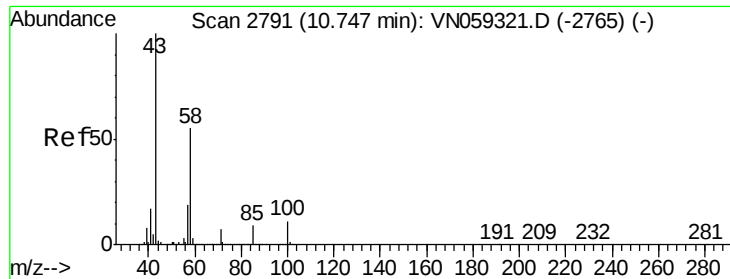
Tgt Ion: 63 Resp: 226918

Ion Ratio Lower Upper

63 100

106 26.0 20.5 30.7





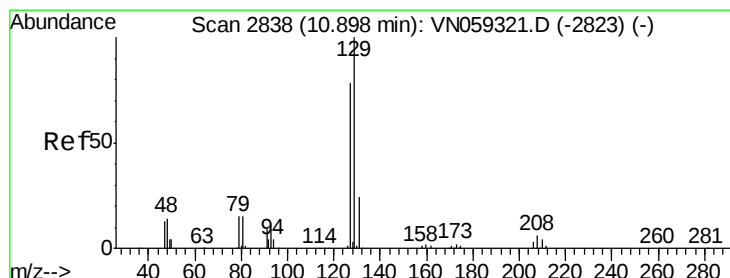
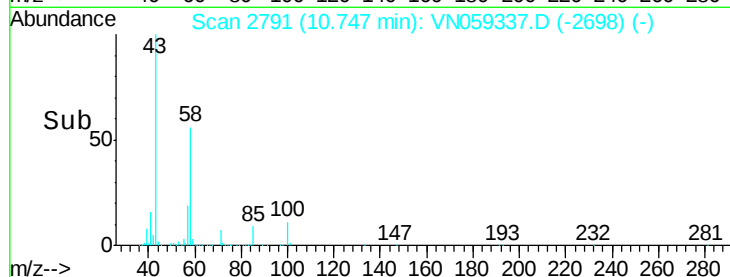
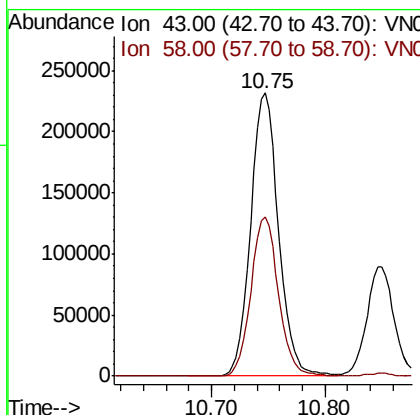
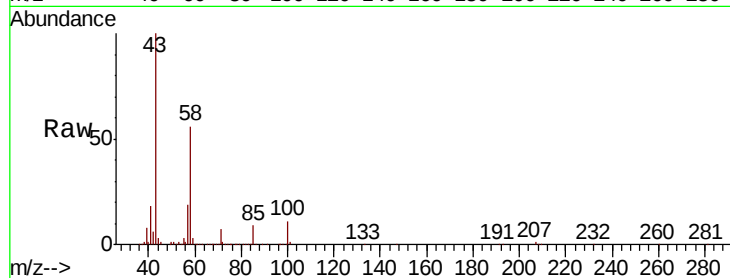
#59
2-Hexanone
Concen: 83.269 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS03

Tot Ion: 43 Resp: 396717
Ion Ratio Lower Upper
43 100
58 55.6 27.7 83.0

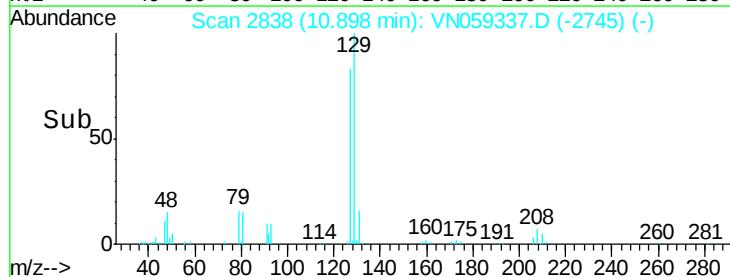
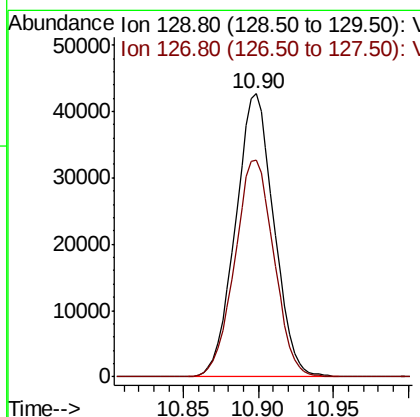
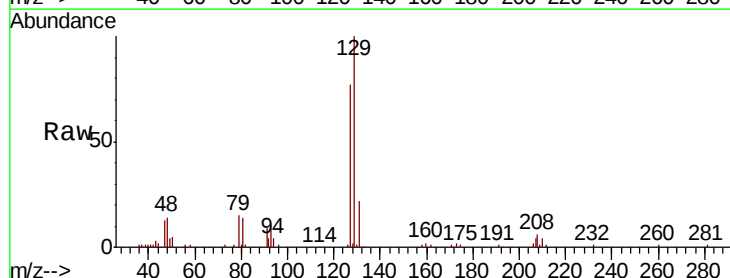
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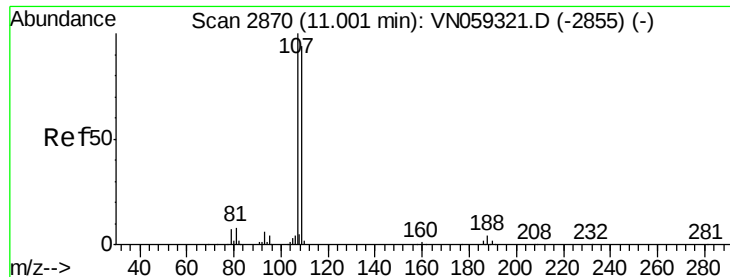
MMDadoda
11/22/2019 3:12:19 PM



#60
Dibromochloromethane
Concen: 15.570 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion:129 Resp: 76193
Ion Ratio Lower Upper
129 100
127 78.1 38.5 115.5





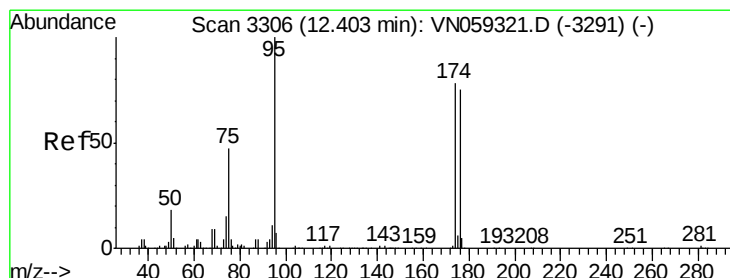
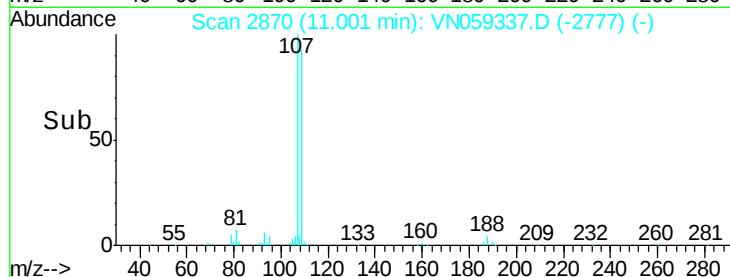
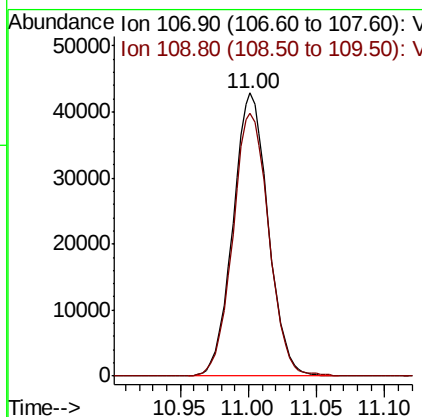
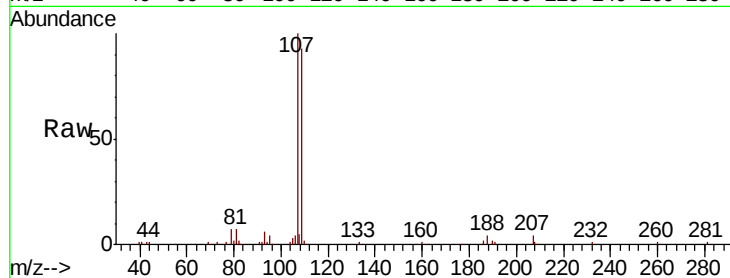
#61
 1,2-Dibromoethane
 Concen: 15.861 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1121MBS03

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.4	113.2

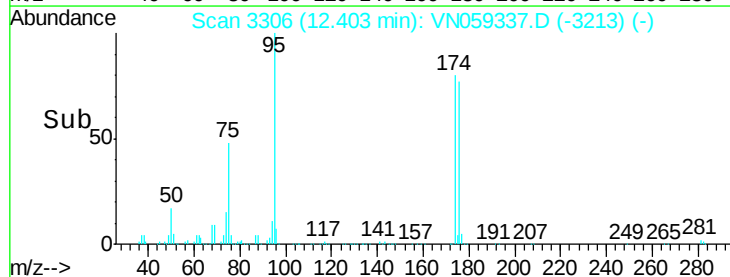
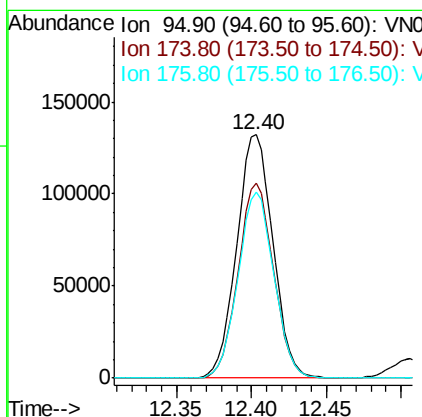
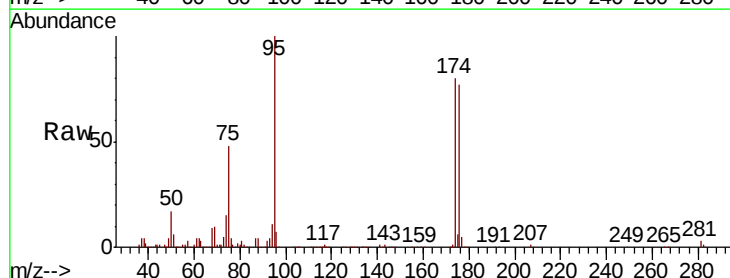
Manual Integrations
 APPROVED

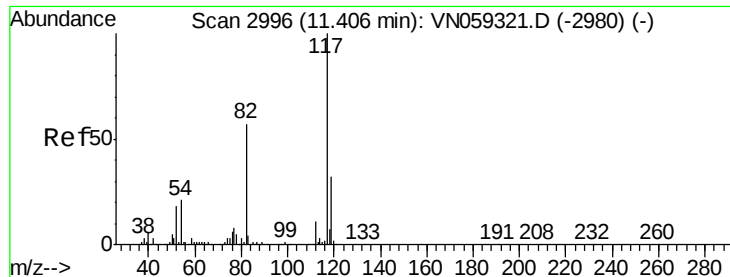
MMDadoda
 11/22/2019 3:12:19 PM



#62
 4-Bromofluorobenzene
 Concen: 40.811 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059337.D
 Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	157.4
176	75.6	0.0	151.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

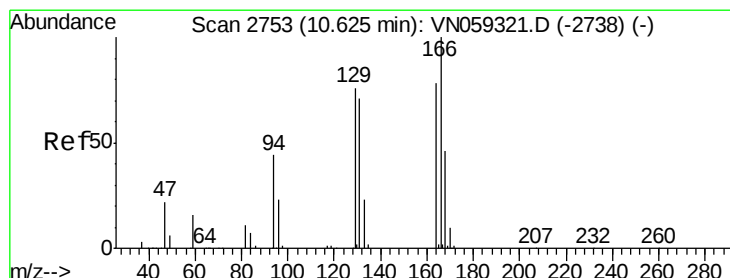
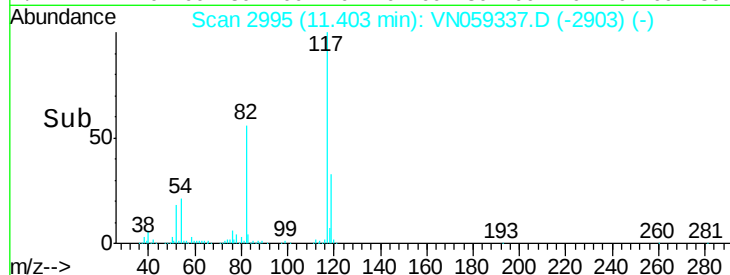
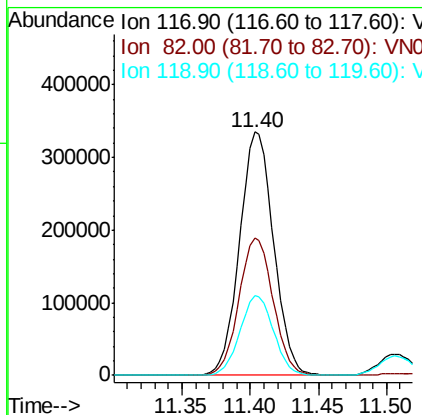
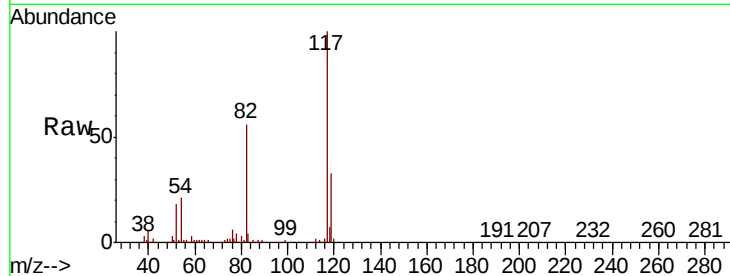
ClientSampleId :

VN1121MBS03

Tot Ion:	117	Resp:	580617
Ion Ratio		Lower	Upper
117	100		
82	56.4	45.7	68.5
119	32.6	25.8	38.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 15.749 ug/l

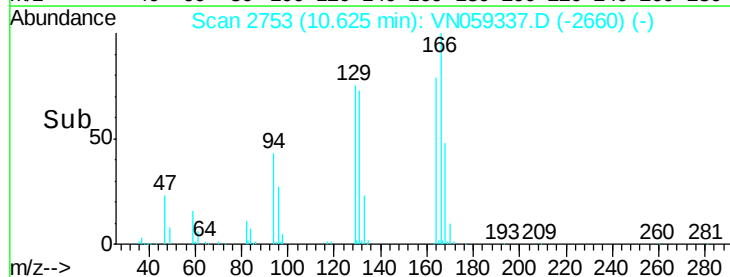
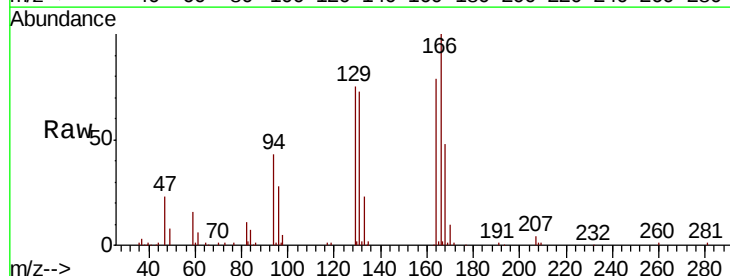
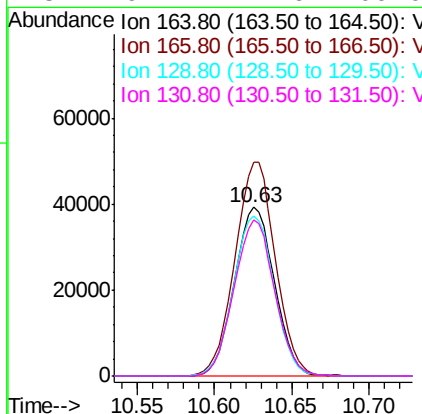
RT: 10.63 min Scan# 2753

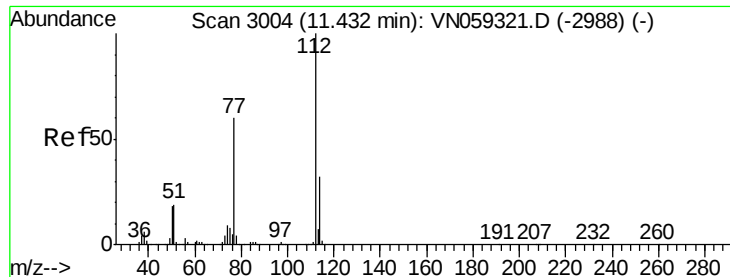
Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Tgt Ion:	164	Resp:	70720
Ion Ratio		Lower	Upper
164	100		
166	126.8	102.9	154.3
129	95.0	78.2	117.2
131	92.4	72.6	109.0





#65

Chlorobenzene

Concen: 15.917 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS03

Tot Ion:112 Resp: 198711

Ion Ratio Lower Upper

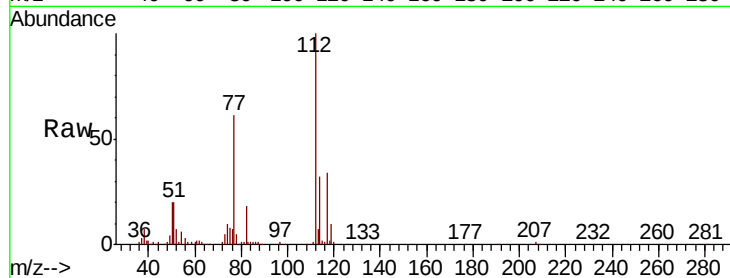
112 100

114 31.7 25.8 38.6

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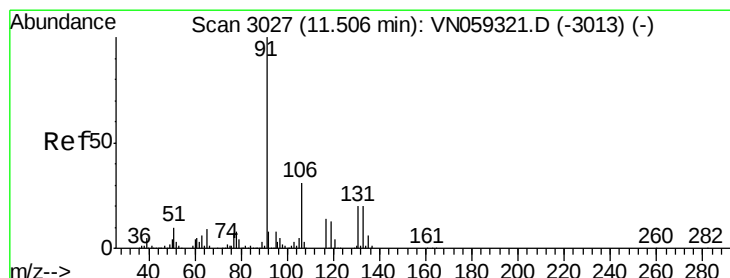
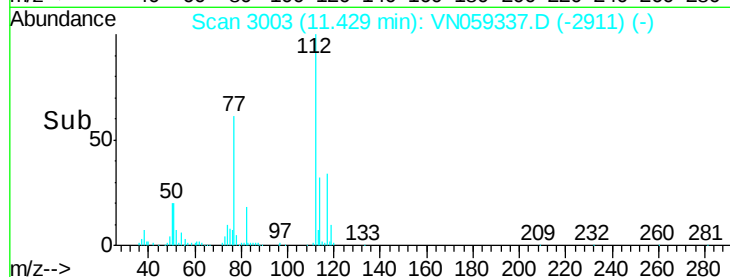
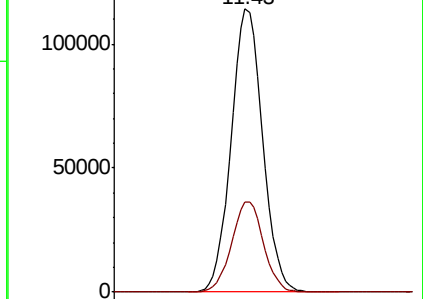
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 15.744 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

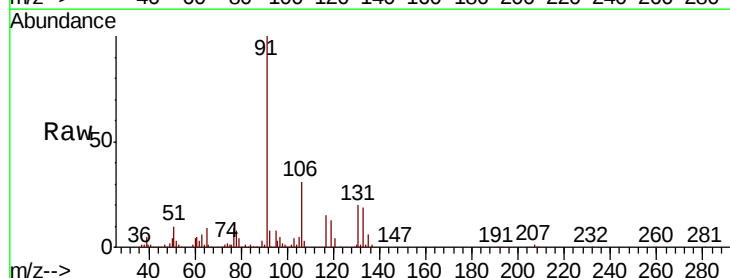
Tgt Ion:131 Resp: 71404

Ion Ratio Lower Upper

131 100

133 95.7 48.2 144.6

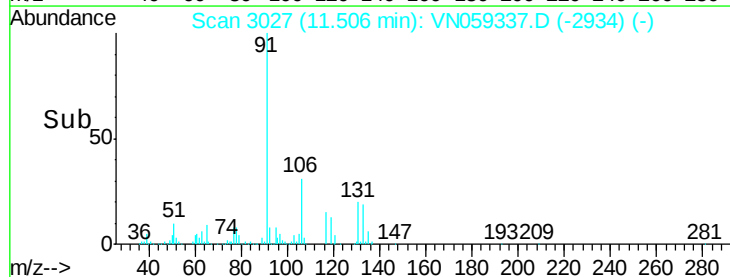
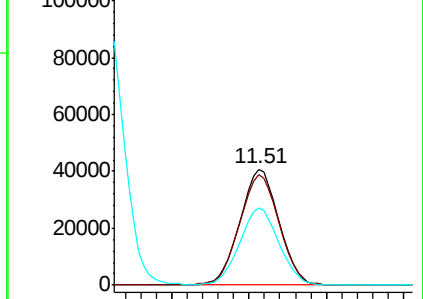
119 67.3 33.6 100.6



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





#67

Ethyl Benzene

Concen: 16.020 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS03

Tot Ion: 91 Resp: 357101

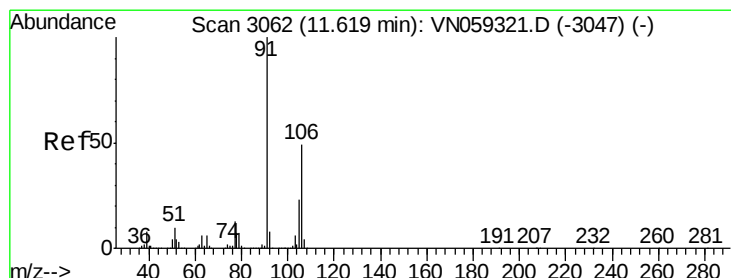
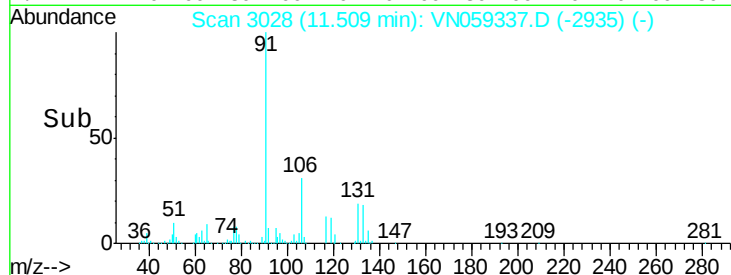
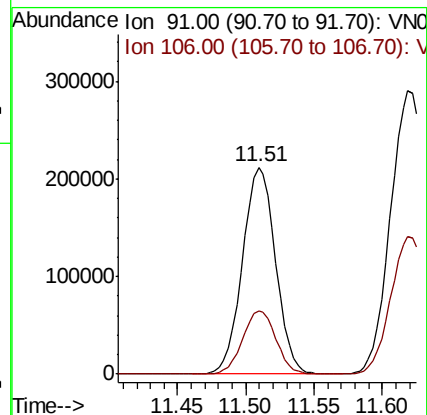
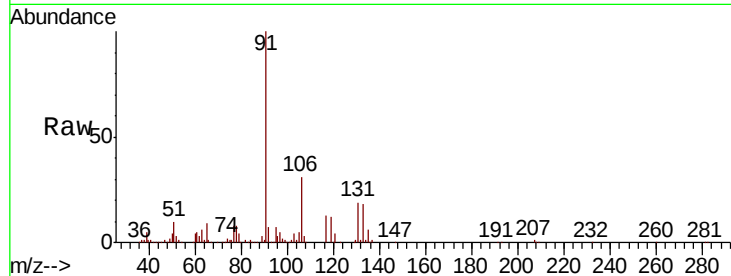
Ion Ratio Lower Upper

91 100

106 30.7 24.6 37.0

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 32.451 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059337.D

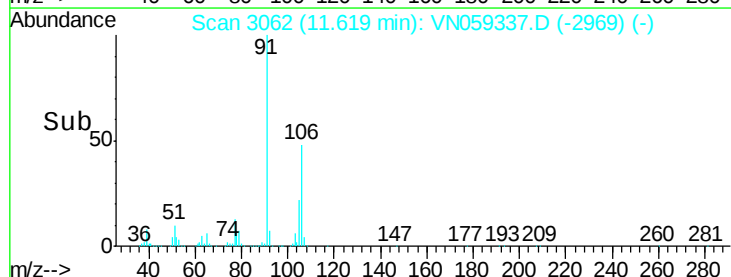
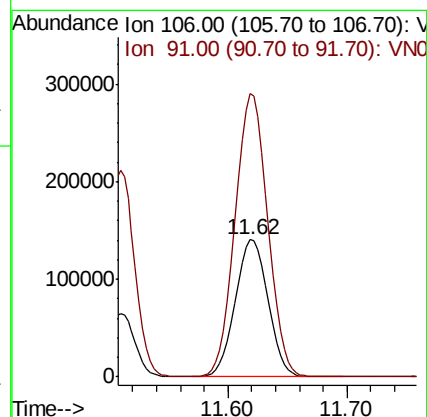
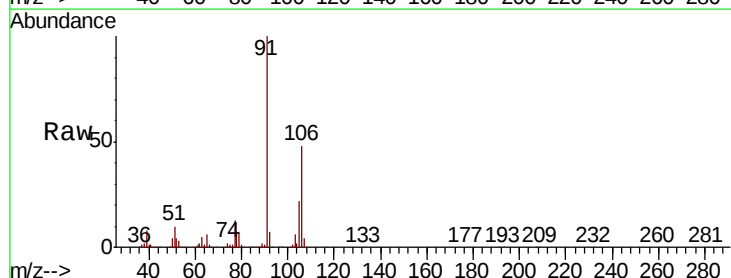
Acq: 21 Nov 2019 15:50

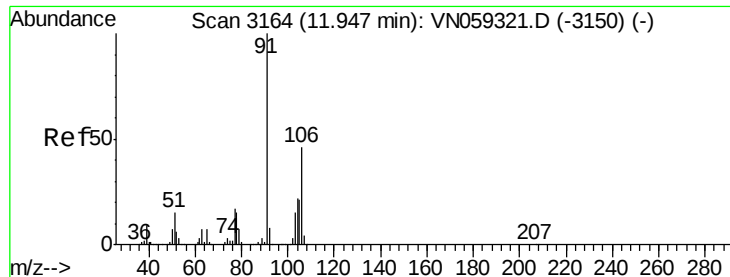
Tgt Ion: 106 Resp: 268788

Ion Ratio Lower Upper

106 100

91 204.7 163.2 244.8





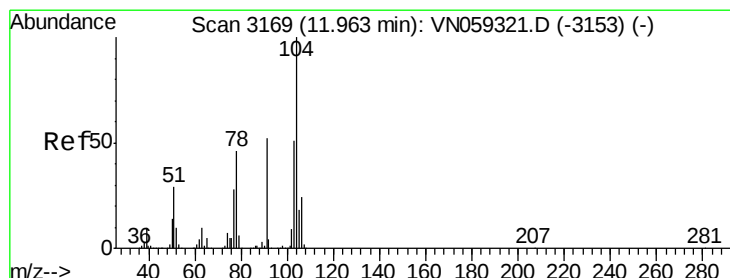
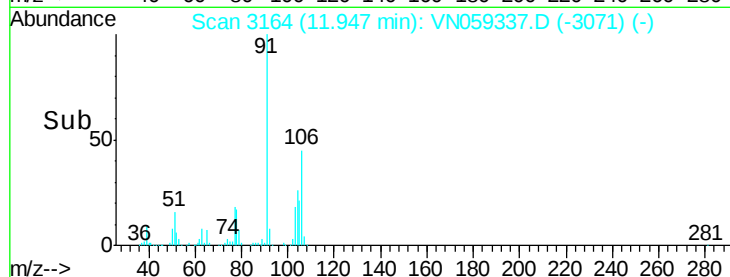
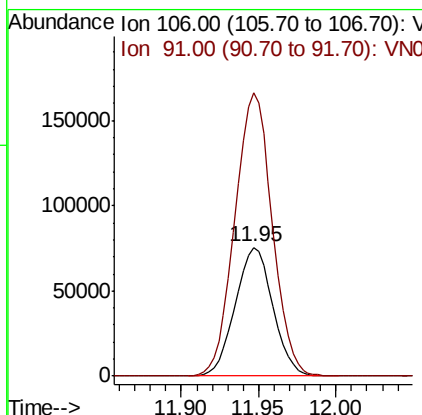
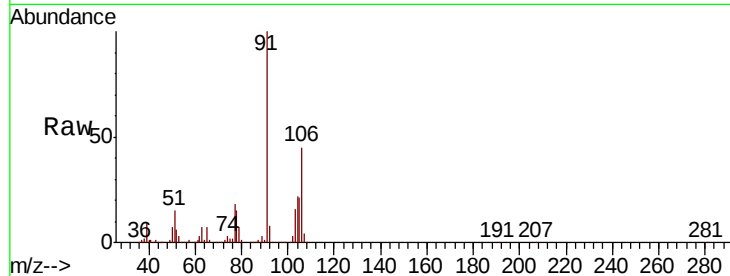
#69
o-Xylene
Concen: 16.070 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS03

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	219.0	109.3	327.9	

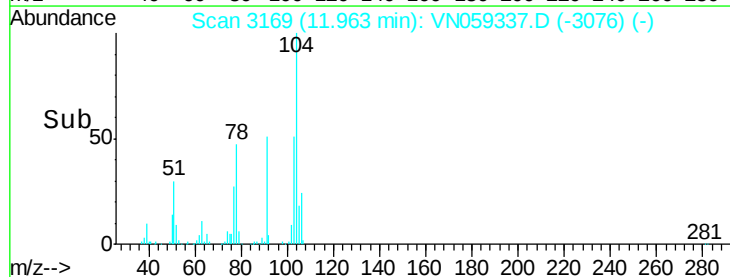
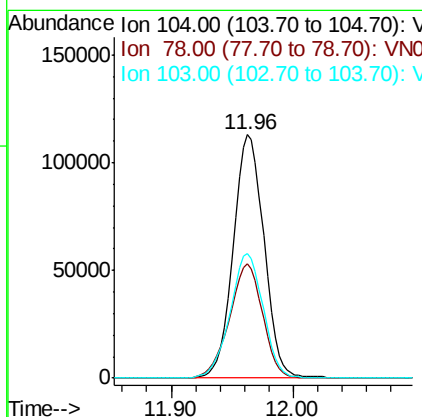
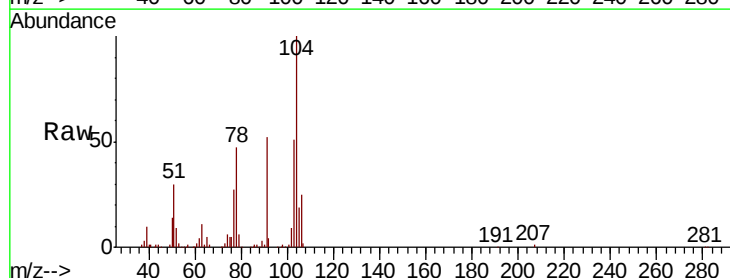
Manual Integrations
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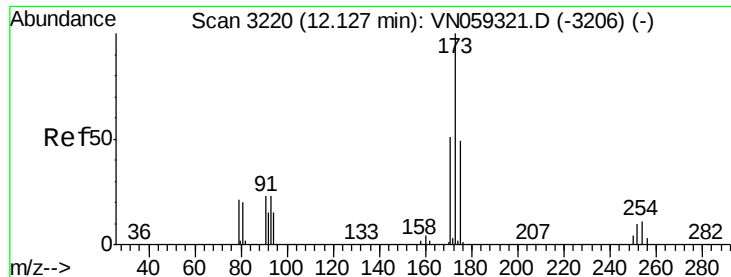
MMDadoda
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#70
Styrene
Concen: 15.783 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	50.7	40.3	60.5	
103	55.3	43.6	65.4	





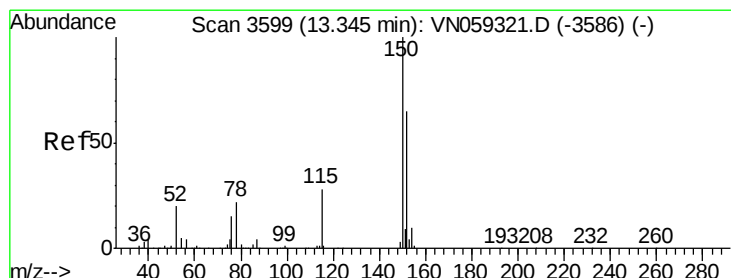
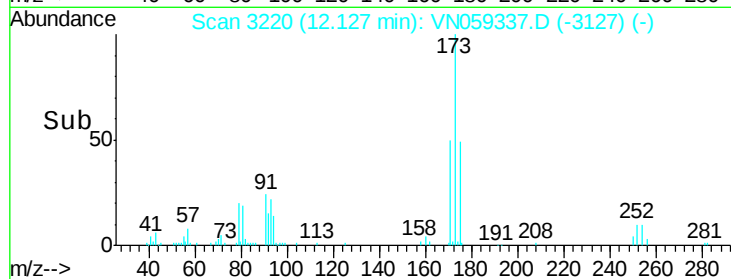
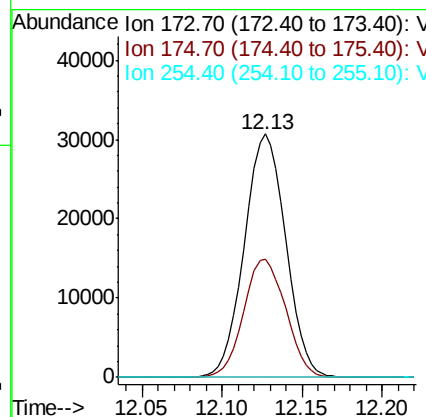
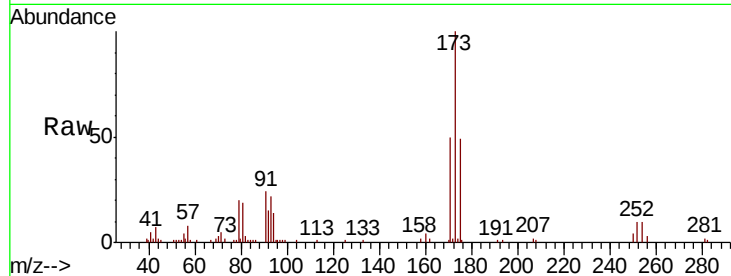
#71
Bromoform
Concen: 15.774 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS03

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.6	73.6
254	0.0	0.1	0.1#

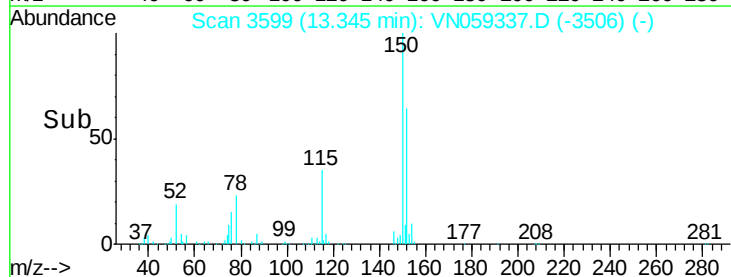
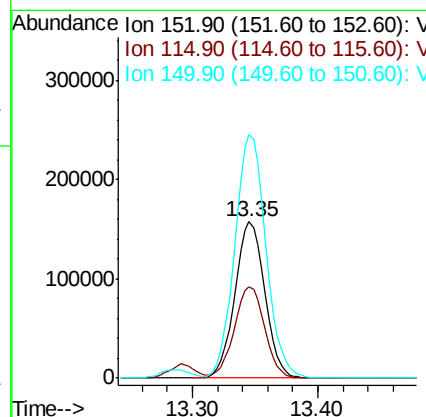
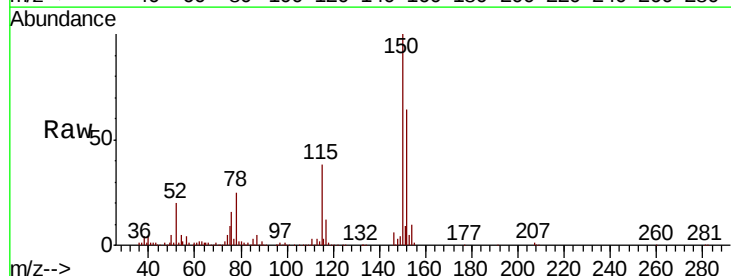
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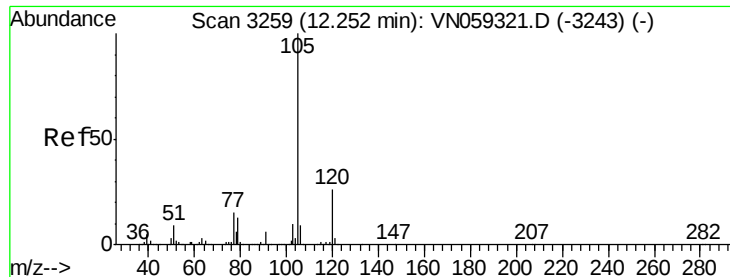
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.3	88.0
150	161.8	0.0	346.0





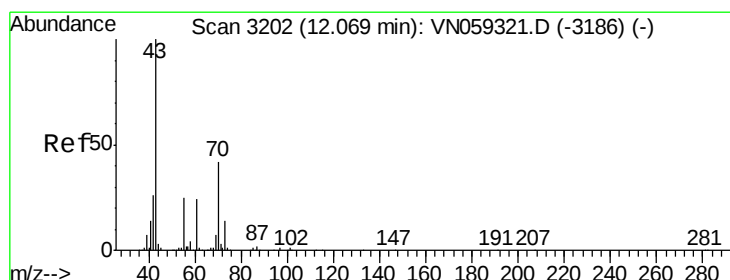
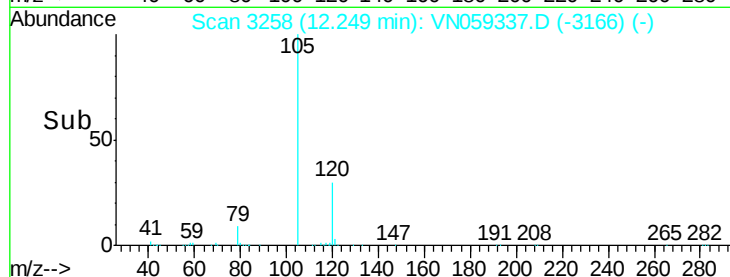
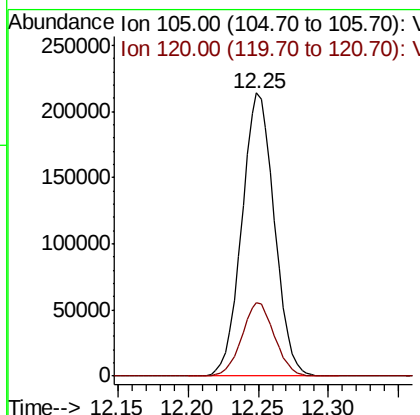
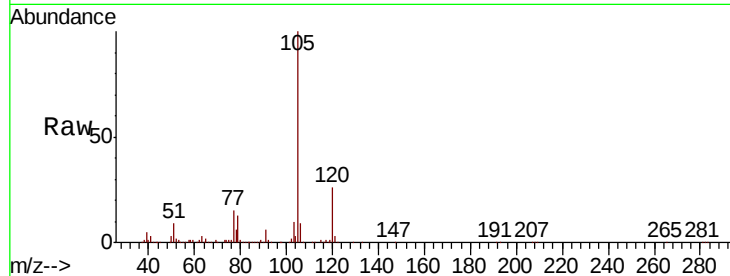
#73
Isopropylbenzene
Concen: 16.199 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS03

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.9	13.1	39.3

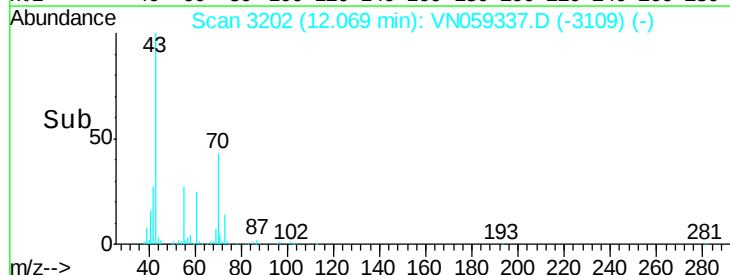
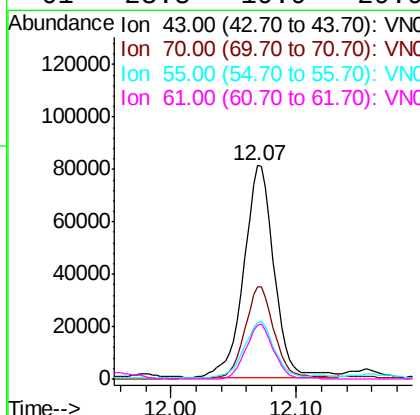
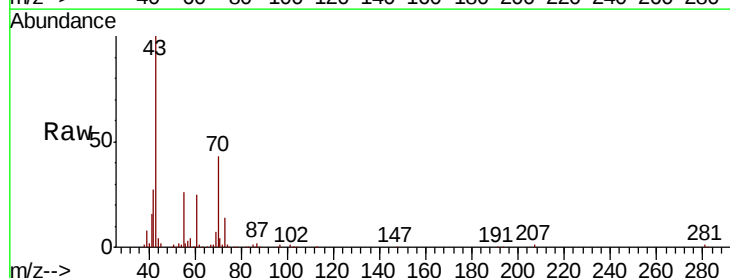
Manual Integrations
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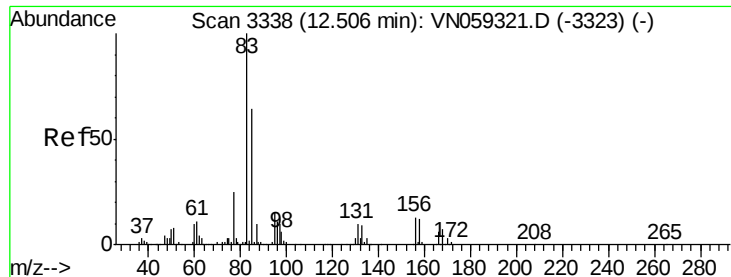
MMDadoda
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#74
N-ethyl acetate
Concen: 15.869 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.6	33.8	50.6
55	25.7	20.3	30.5
61	23.8	19.9	29.9





#75

1,1,2,2-Tetrachloroethane

Concen: 15.965 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS03

Tot Ion: 83 Resp: 112835
Ion Ratio Lower Upper

83 100

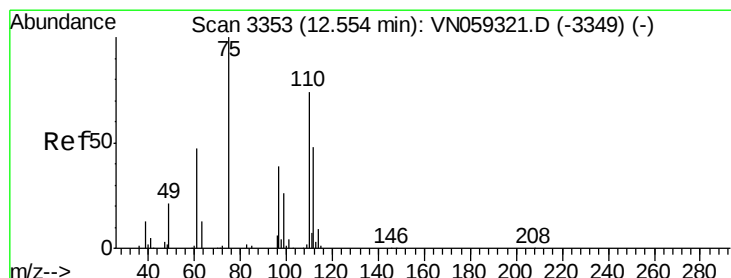
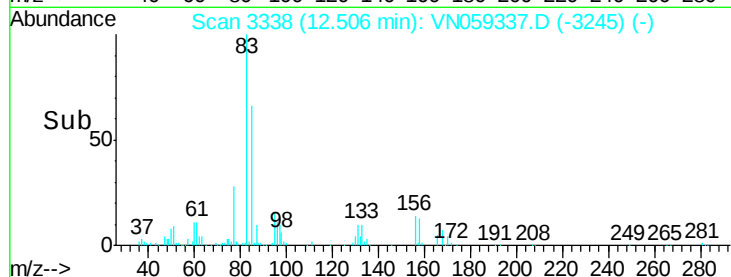
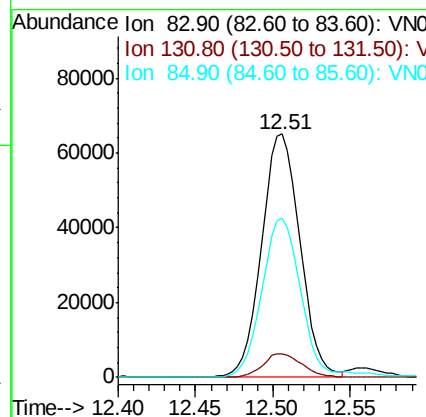
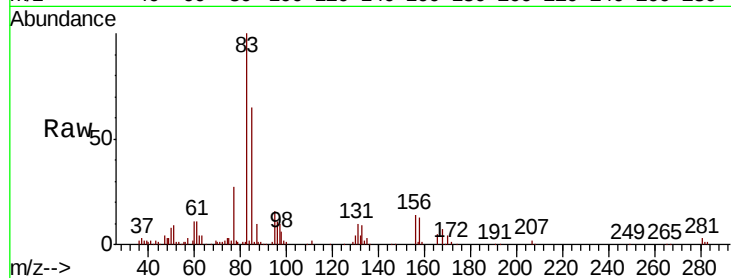
131 9.9 5.0 14.9

85 67.1 32.1 96.3

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.205 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

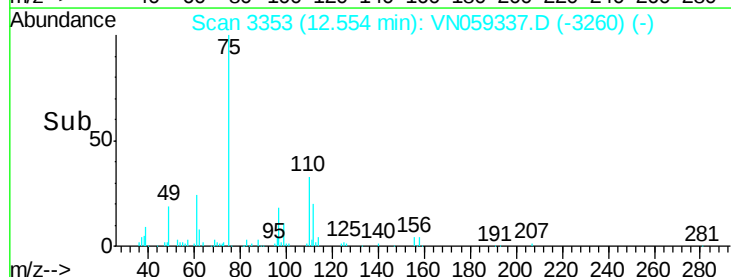
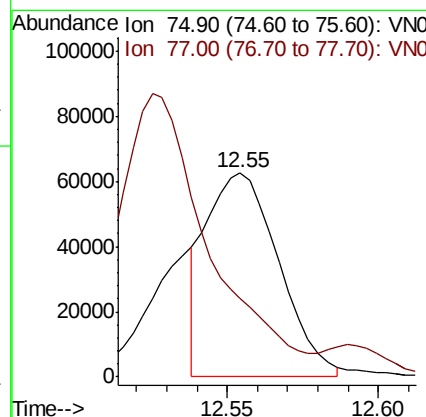
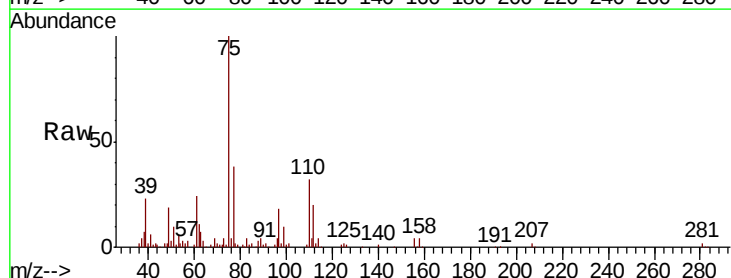
Lab File: VN059337.D

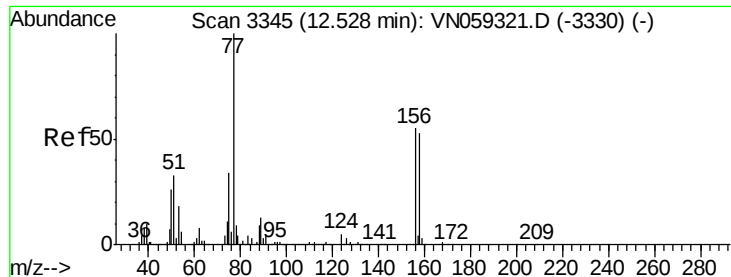
Acq: 21 Nov 2019 15:50

Tgt Ion: 75 Resp: 103667
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 15.893 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

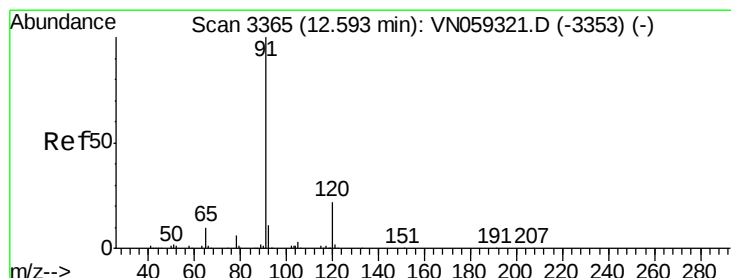
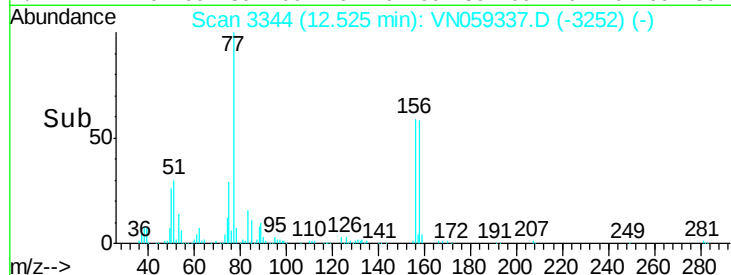
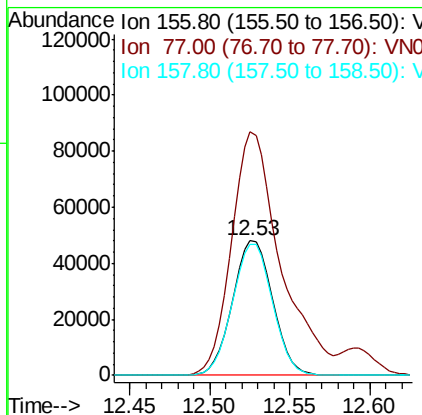
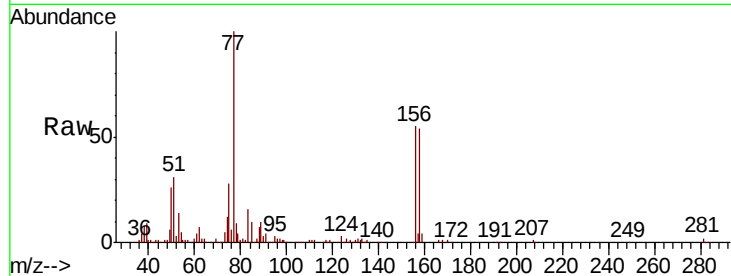
ClientSampleId :

VN1121MBS03

Tot Ion:	156	Resp:	82361
Ion Ratio	Lower	Upper	
156	100		
77	220.5	111.1	333.4
158	97.2	47.8	143.4

Manual Integrations
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#78

n-propylbenzene

Concen: 16.191 ug/l

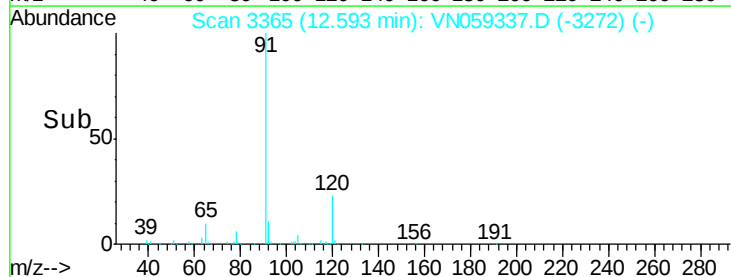
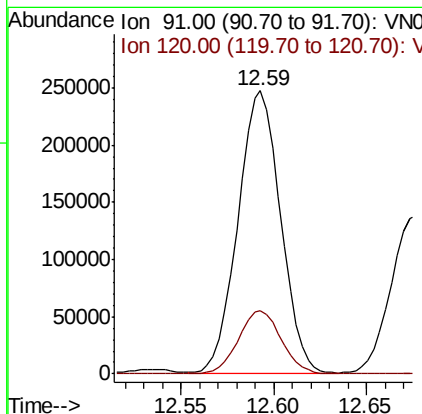
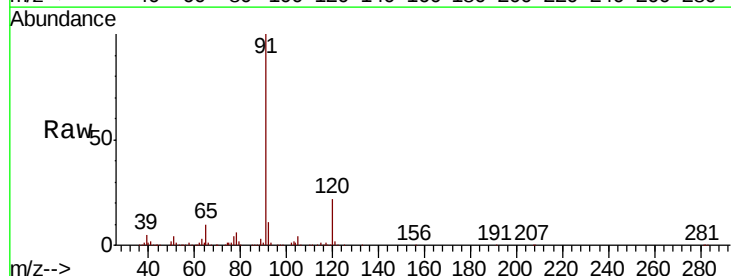
RT: 12.59 min Scan# 3365

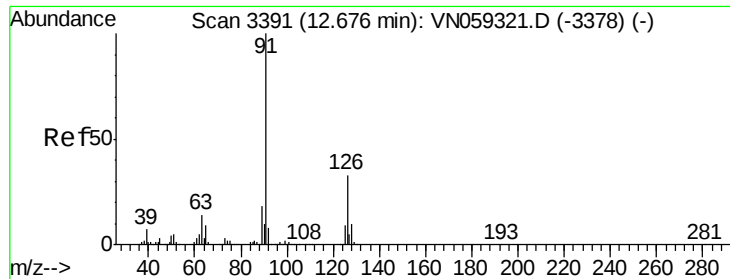
Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Tgt Ion:	91	Resp:	391830
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.3	33.9





#79

2-Chlorotoluene

Concen: 15.657 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

ClientSampleId :

VN1121MBS03

Tot Ion: 91 Resp: 232584

Ion Ratio Lower Upper

91 100

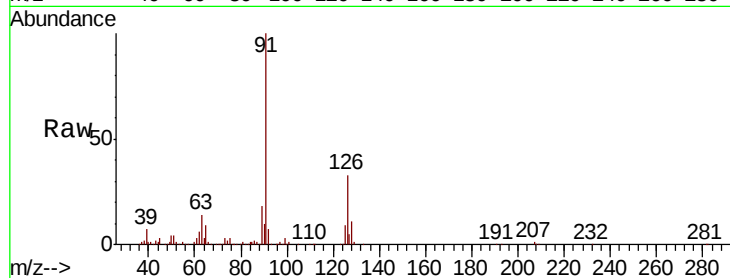
126 33.8 16.7 50.1

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) (-)

250000

200000

150000

100000

50000

0

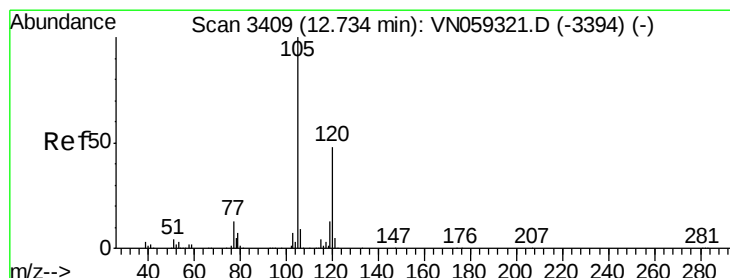
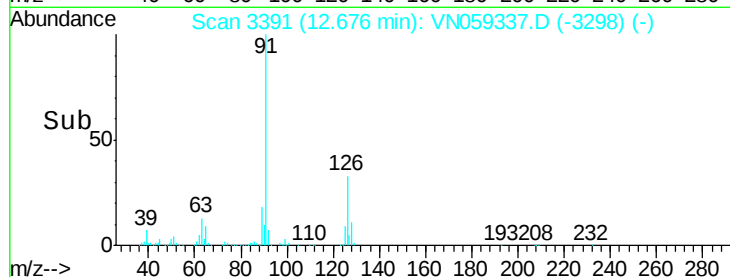
12.68

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 16.062 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN059337.D

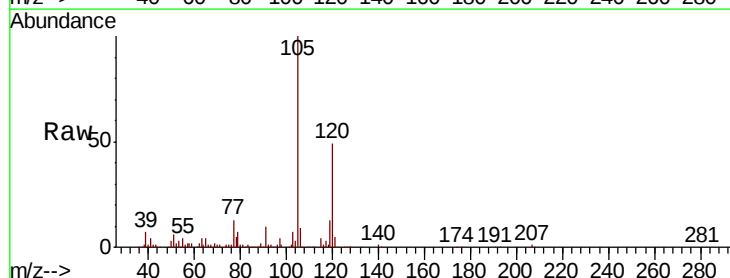
Acq: 21 Nov 2019 15:50

Tgt Ion: 105 Resp: 288474

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) (-)

200000

150000

100000

50000

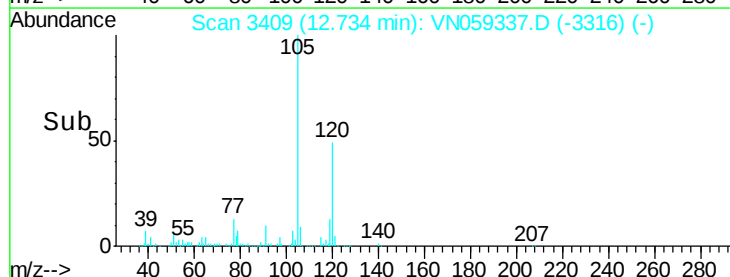
0

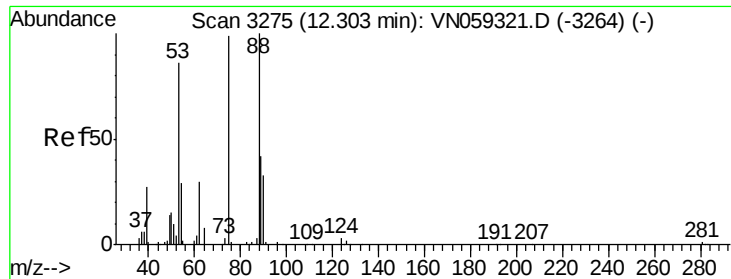
12.73

12.70

12.80

Time-->





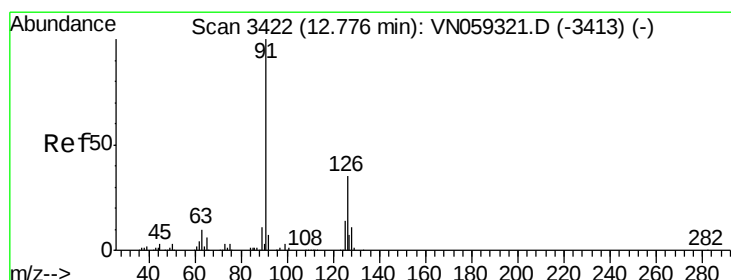
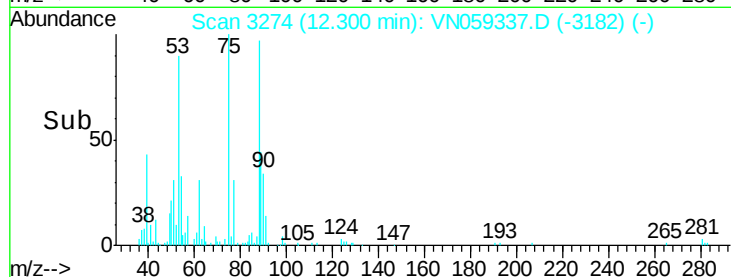
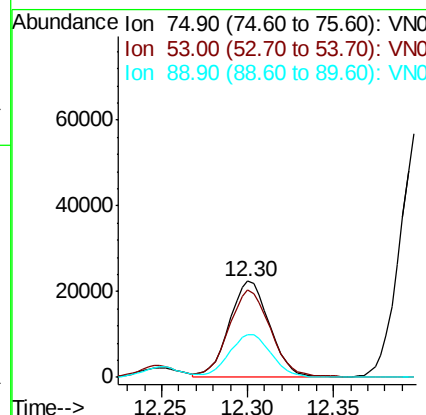
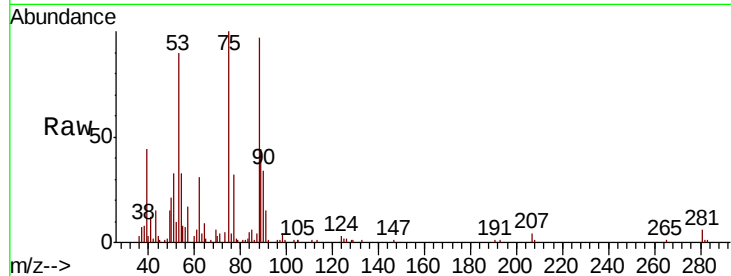
#81
trans-1,4-Dichloro-2-butene
Concen: 14.880 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS03

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.9	70.7	106.1
89	47.2	35.4	53.0

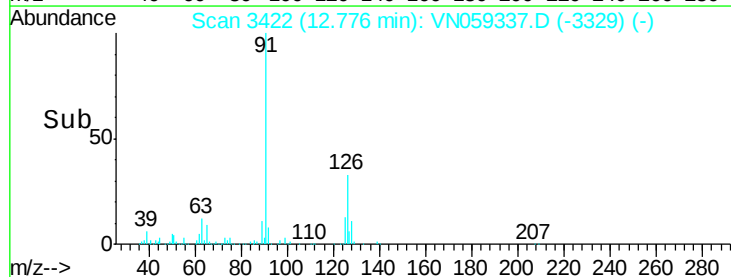
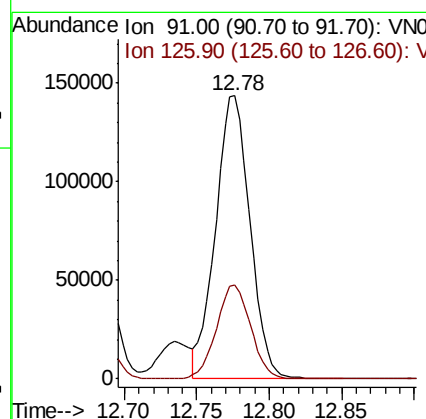
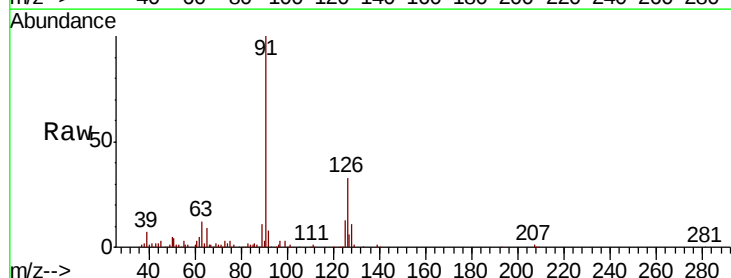
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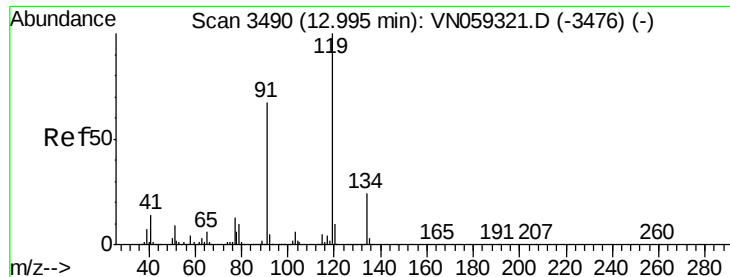
MMDadoda
11/22/2019 3:12:19 PM



#82
4-Chlorotoluene
Concen: 15.407 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.2	48.6





#83

tert-Butylbenzene

Concen: 16.535 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

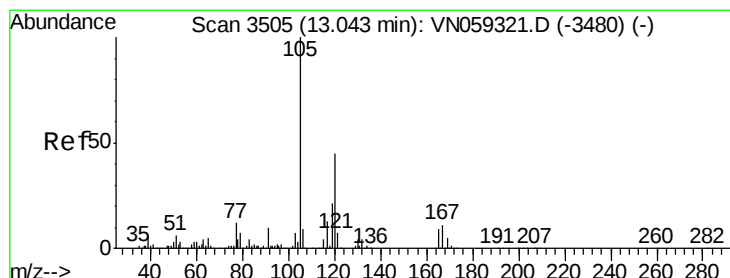
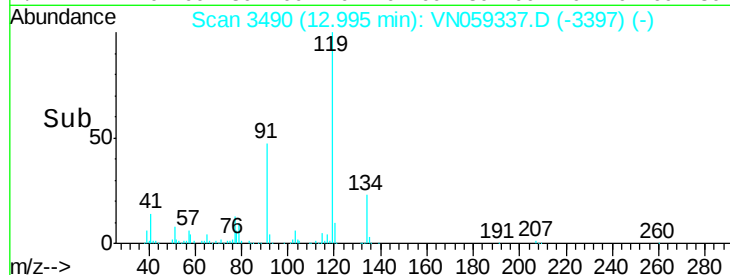
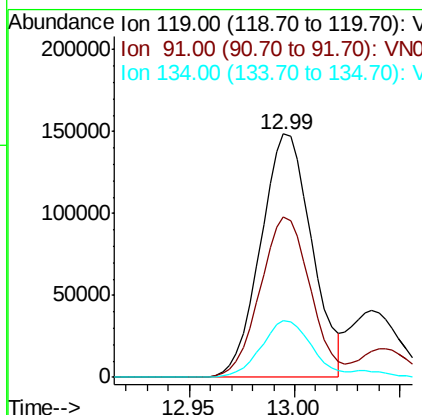
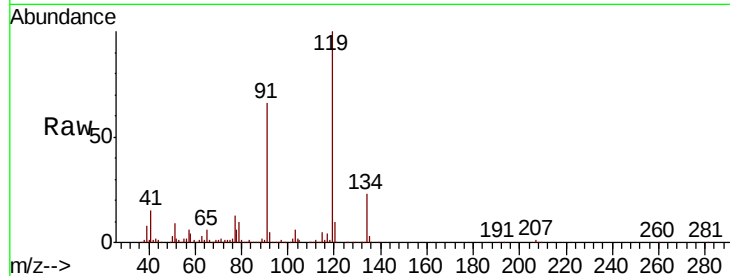
ClientSampleId :

VN1121MBS03

Tot Ion:	119	Resp:	250808
Ion Ratio	Lower	Upper	
119	100		
91	64.4	32.8	98.4
134	22.8	13.0	38.9

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#84

1,2,4-Trimethylbenzene

Concen: 16.129 ug/l

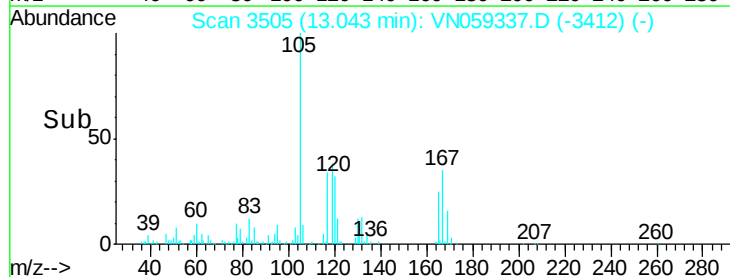
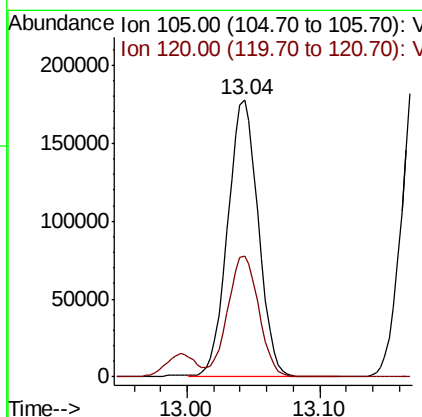
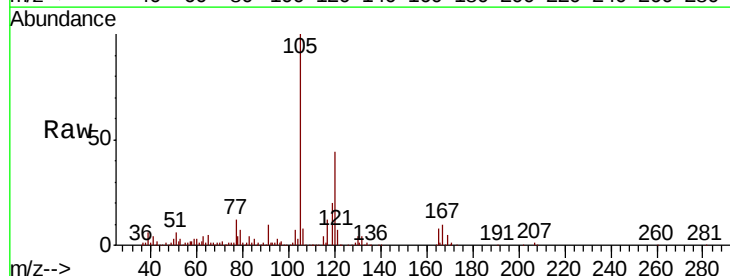
RT: 13.04 min Scan# 3505

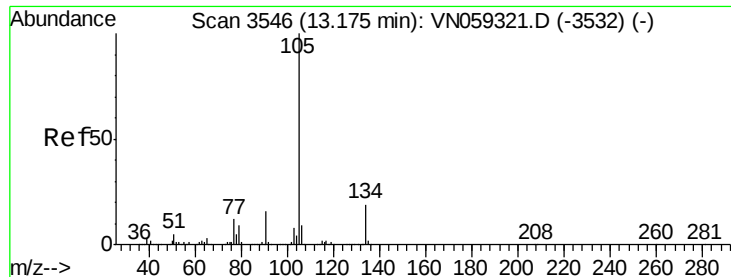
Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Tgt Ion:	105	Resp:	283760
Ion Ratio	Lower	Upper	
105	100		
120	44.5	22.6	67.8





#85

sec-Butylbenzene

Concen: 16.295 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

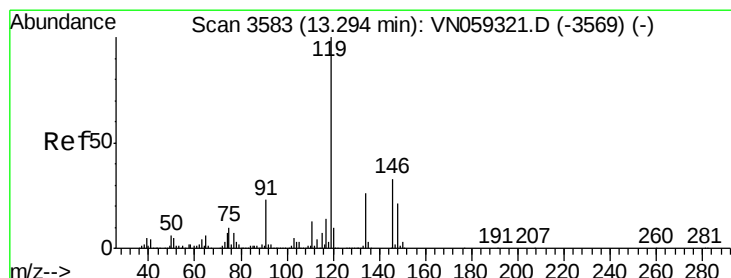
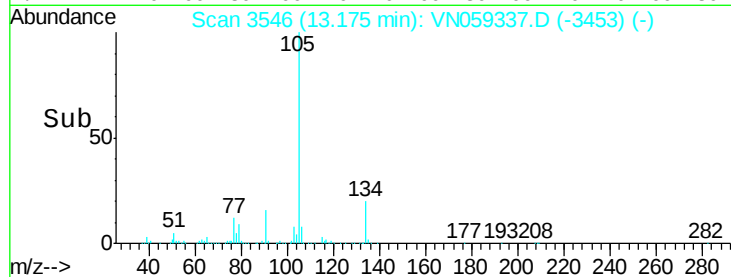
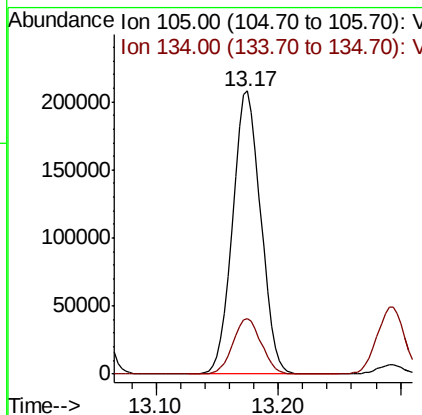
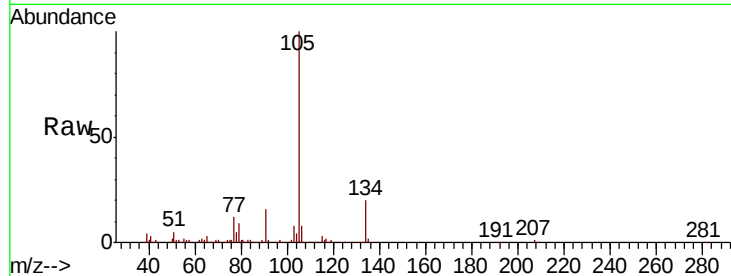
ClientSampleId :

VN1121MBS03

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.8	29.3

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#86

p-Isopropyltoluene

Concen: 16.271 ug/l

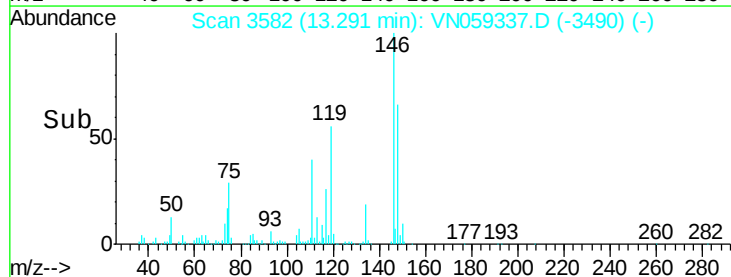
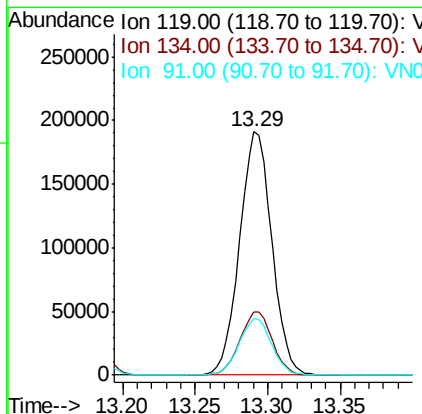
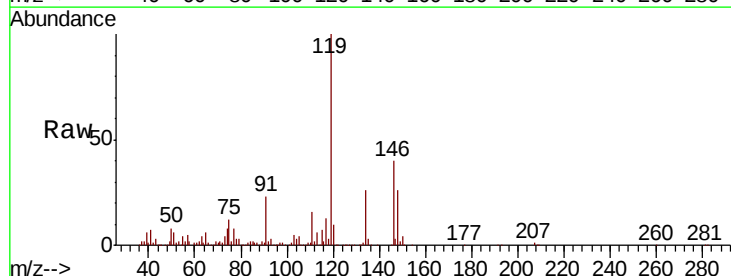
RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.0	38.9
91	23.1	11.6	34.7





#87

1,3-Dichlorobenzene

Concen: 15.233 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

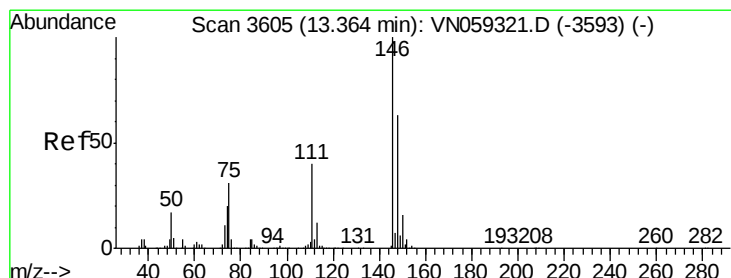
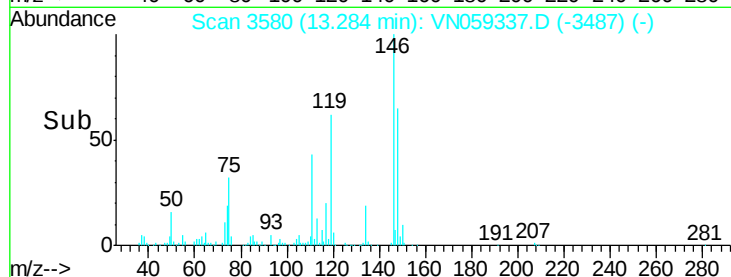
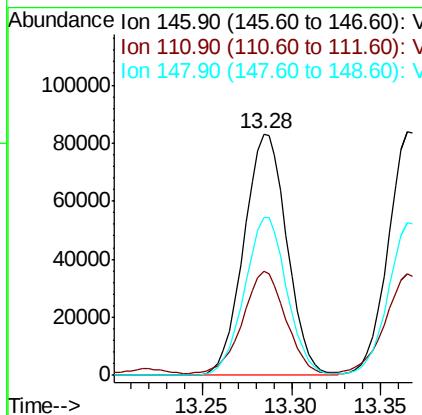
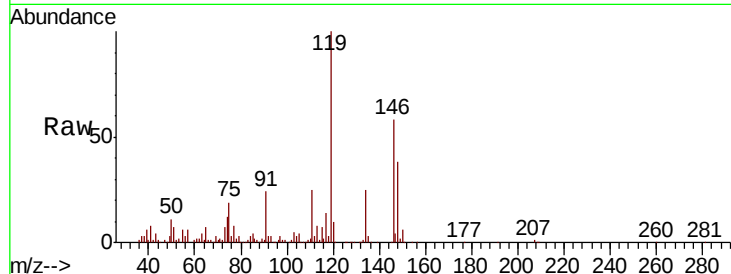
ClientSampleId :

VN1121MBS03

Tot Ion:	146	Resp:	140580
Ion Ratio	Lower	Upper	
146	100		
111	41.3	20.6	61.8
148	64.2	31.9	95.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 15.246 ug/l

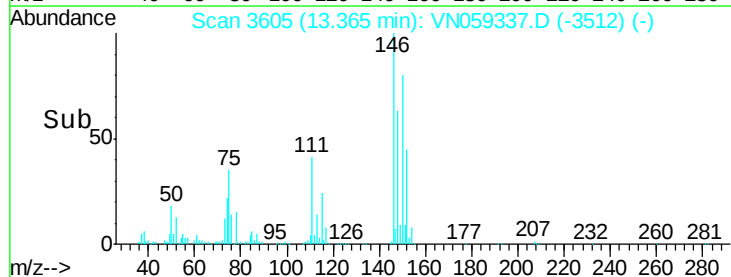
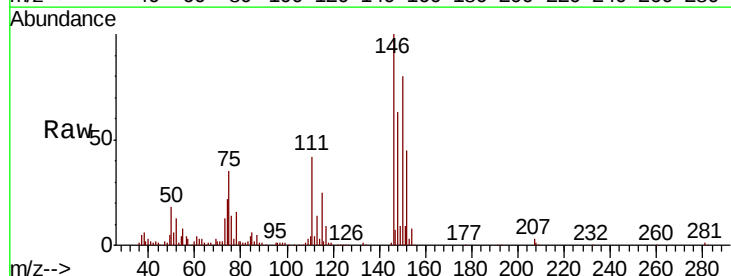
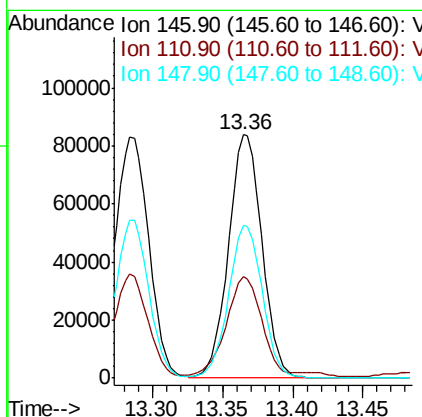
RT: 13.36 min Scan# 3605

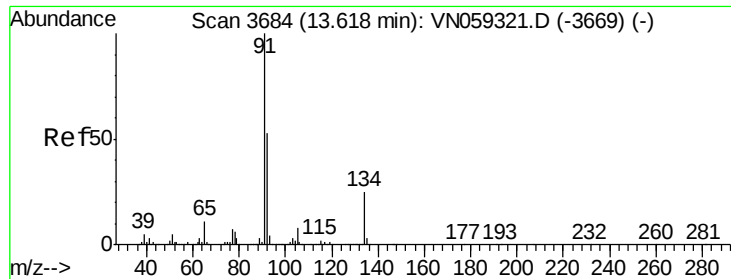
Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Tgt Ion:	146	Resp:	139208
Ion Ratio	Lower	Upper	
146	100		
111	42.0	20.1	60.3
148	63.3	31.7	95.1





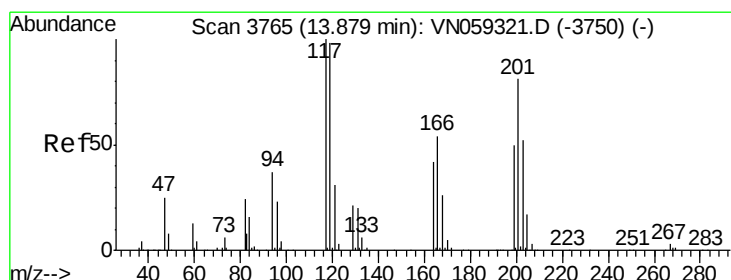
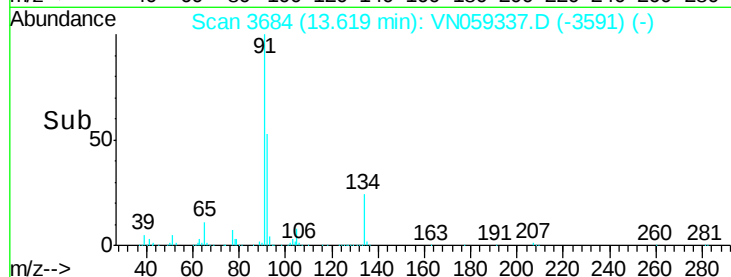
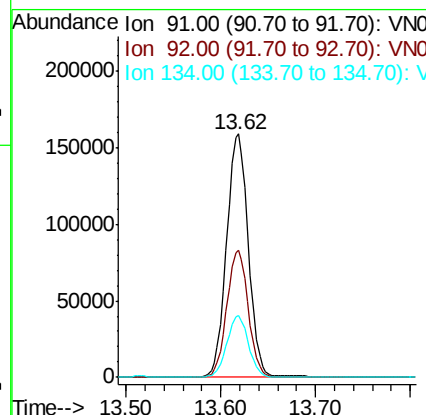
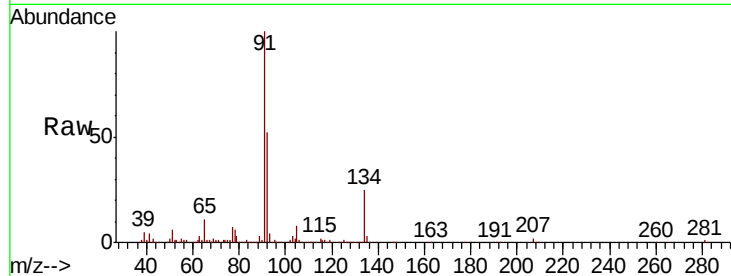
#89
n-Butylbenzene
Concen: 16.055 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.0	78.0
134	25.0	12.7	38.1

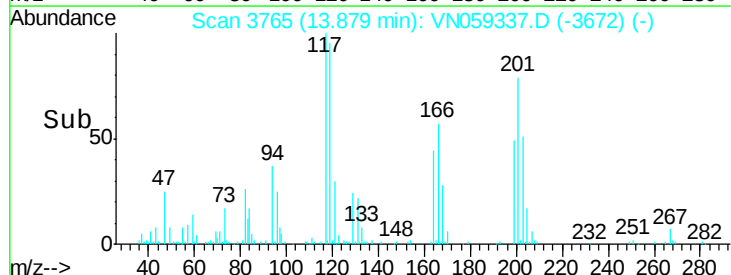
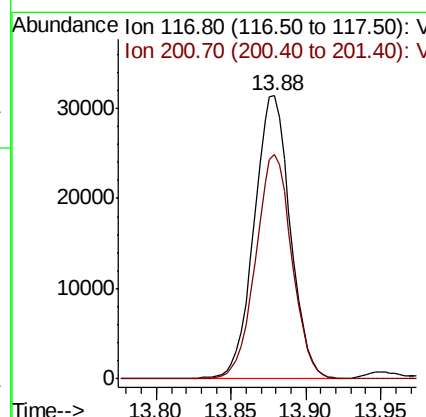
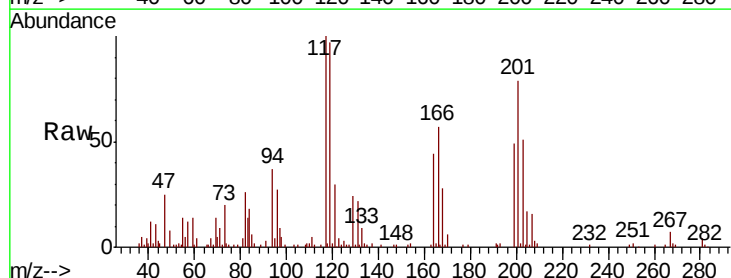
Manual Integrations
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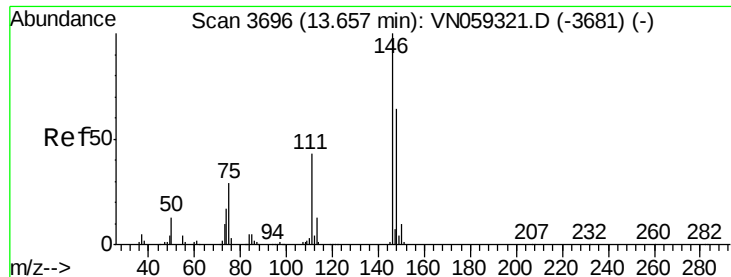
MMDadoda
11/22/2019 3:12:19 PM



#90
Hexachloroethane
Concen: 15.381 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.4	40.4	121.2





#91

1,2-Dichlorobenzene

Concen: 15.668 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

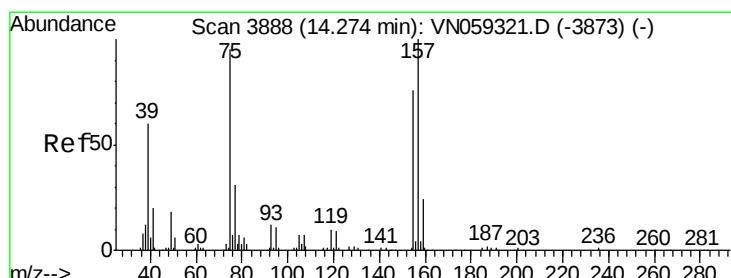
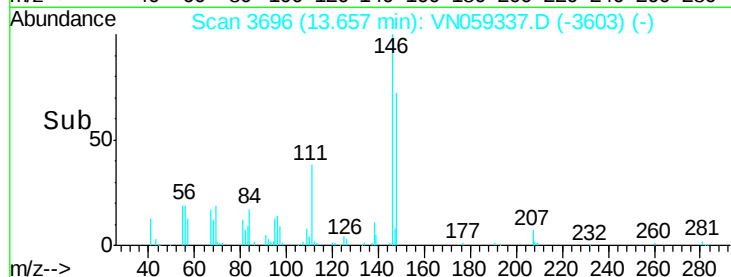
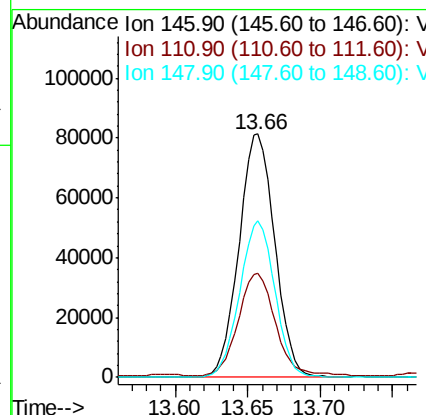
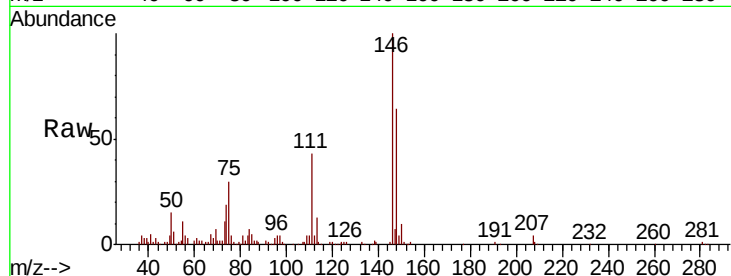
ClientSampleId :

VN1121MBS03

Tot Ion:	146	Resp:	139896
Ion Ratio	Lower	Upper	
146	100		
111	43.8	21.3	64.0
148	63.2	31.9	95.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 14.946 ug/l

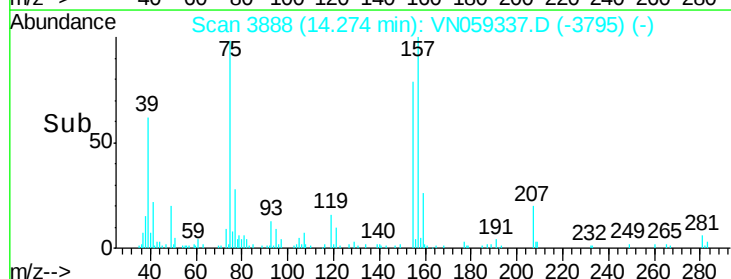
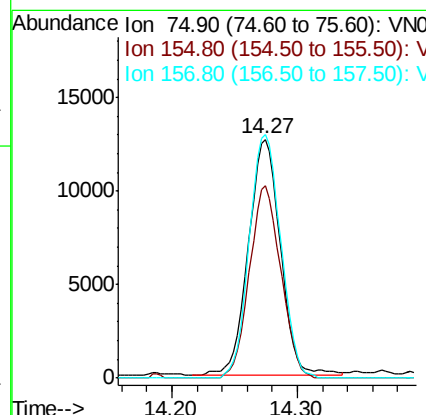
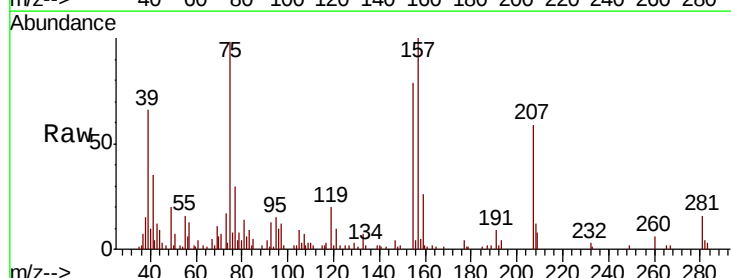
RT: 14.27 min Scan# 3888

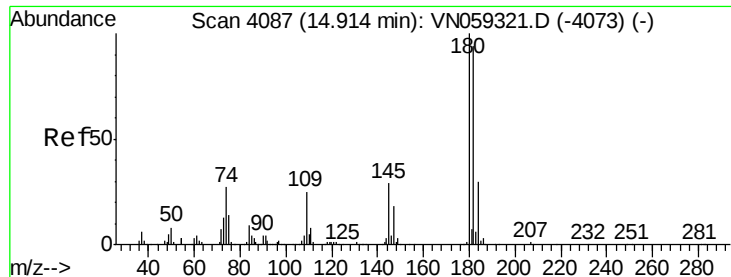
Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Tgt Ion:	75	Resp:	22457
Ion Ratio	Lower	Upper	
75	100		
155	79.6	40.5	121.5
157	101.0	52.7	158.1





#93

1,2,4-Trichlorobenzene

Concen: 15.847 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Instrument :

MSVOA_N

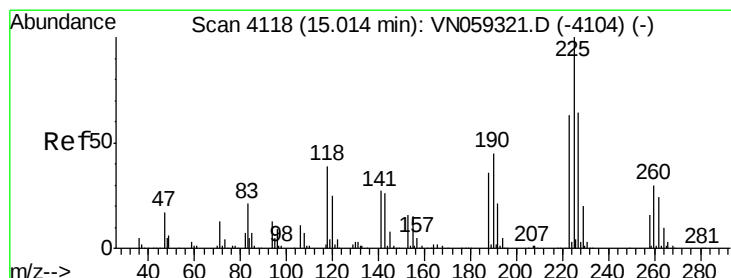
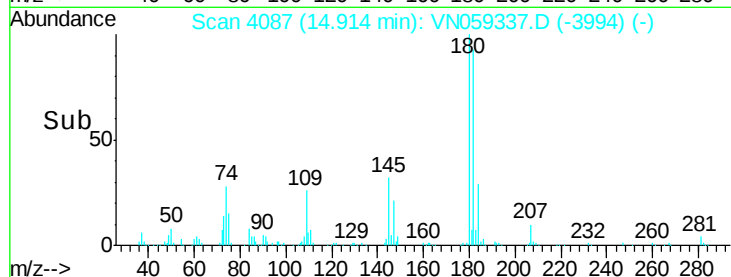
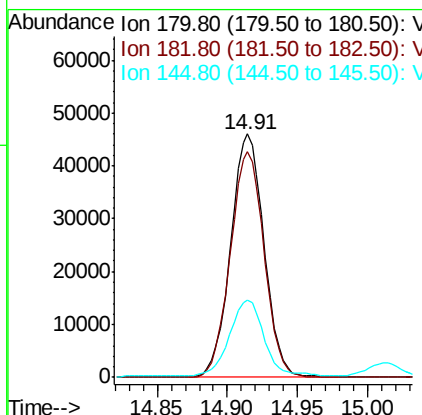
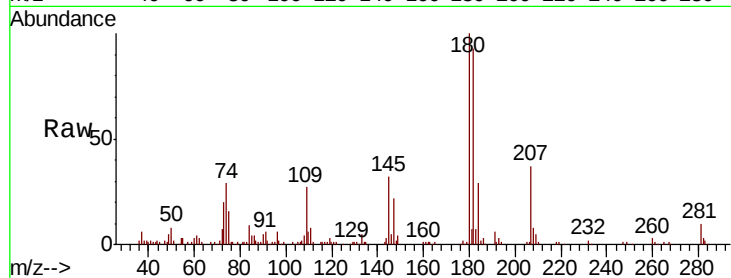
ClientSampleId :

VN1121MBS03

Tot Ion:	180	Resp:	76162
Ion Ratio	Lower	Upper	
180	100		
182	93.9	47.2	141.6
145	32.6	14.9	44.5

Manual Integrations
APPROVED

MMDadoda
11/22/2019 3:12:19 PM



#94

Hexachlorobutadiene

Concen: 15.476 ug/l

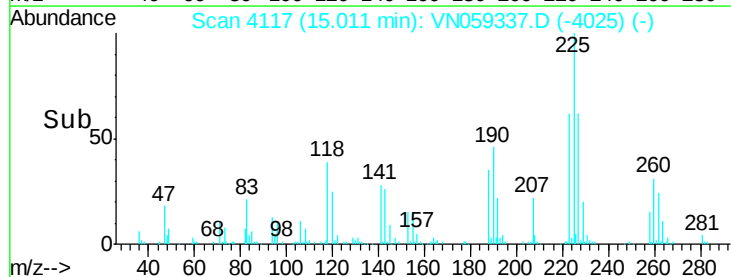
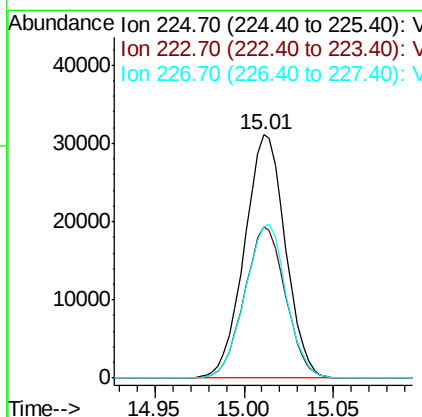
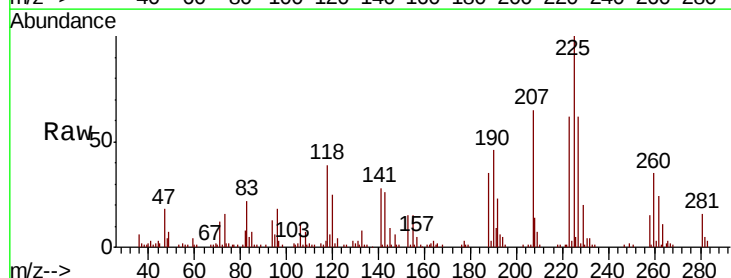
RT: 15.01 min Scan# 4117

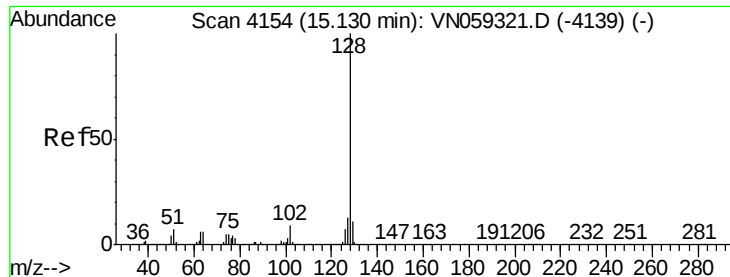
Delta R.T. -0.00 min

Lab File: VN059337.D

Acq: 21 Nov 2019 15:50

Tgt Ion:	225	Resp:	49784
Ion Ratio	Lower	Upper	
225	100		
223	62.5	31.6	94.8
227	63.7	32.6	97.7





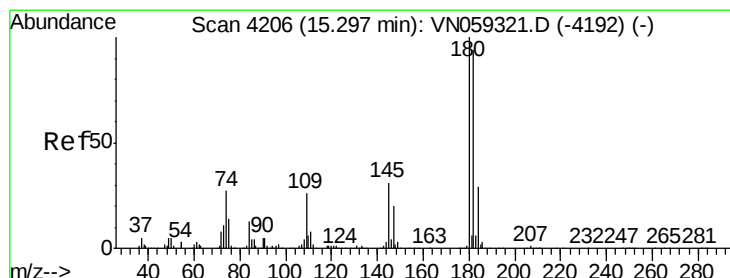
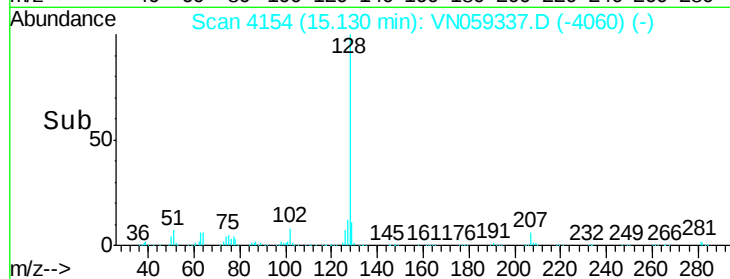
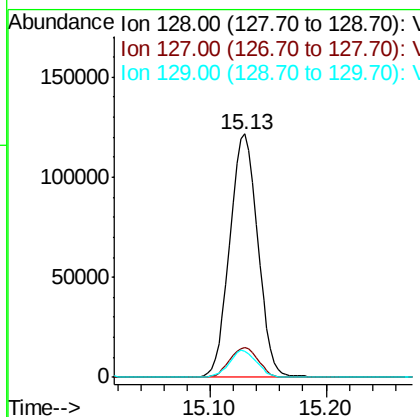
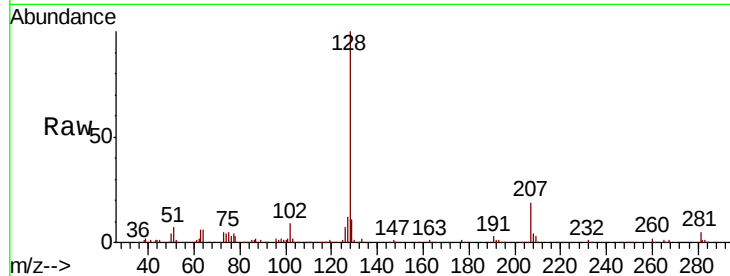
#95
Naphthalene
Concen: 15.542 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Instrument :
MSVOA_N
ClientSampleId :
VN1121MBS03

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.8	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/22/2019 3:12:19 PM



#96
1,2,3-Trichlorobenzene
Concen: 15.594 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN059337.D
Acq: 21 Nov 2019 15:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.1	47.1	141.4
145	34.0	15.6	46.8

