

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092419\
 Data File : VN058347.D
 Acq On : 24 Sep 2019 15:46
 Operator : JC/SP
 Sample : VN0924WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0924WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/25/2019 8:24:13 AM

Quant Time: Sep 25 02:02:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N092419W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Sep 25 01:36:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	79534	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	476007	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	417909	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	215482	30.65	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.17%
60) 4-Bromofluorobenzene	12.41	95	211465	29.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.47%
63) Toluene-d8	10.08	98	610691	30.62	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.07%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.83	85	99681	20.841	ug/l 100
3) Chloromethane	2.04	50	115668	20.945	ug/l 98
4) Vinyl Chloride	2.17	62	114762	20.825	ug/l 95
5) Bromomethane	2.55	94	60890	20.350	ug/l 100
6) Chloroethane	2.69	64	70709	21.712	ug/l 99
7) Trichlorofluoromethane	3.00	101	139003	21.423	ug/l 99
8) Diethyl Ether	3.39	74	58718	20.357	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	94304	21.114	ug/l 97
10) 1,1-Dichloroethene	3.72	96	90825	20.802	ug/l 95
11) Methyl Iodide	3.93	142	95265	21.281	ug/l 97
12) Methyl Acetate	4.30	43	120584	20.736	ug/l 96
13) Acrolein	3.59	56	20910	126.452	ug/l 92
14) Acrylonitrile	4.96	53	247112	102.915	ug/l 99
15) Acetone	3.80	58	71149	106.867	ug/l 97
16) Carbon Disulfide	4.03	76	237224	19.551	ug/l 100
17) Allyl chloride	4.30	41	165203	20.257	ug/l 92
18) Methylene Chloride	4.53	84	107458	20.863	ug/l 96
19) trans-1,2-Dichloroethene	5.02	96	97892	19.999	ug/l 99
20) Diisopropyl ether	5.93	45	358156	20.610	ug/l 98
21) 1,1-Dichloroethane	5.83	63	204173	20.996	ug/l 99
22) cis-1,2-Dichloroethene	6.81	96	117450	20.657	ug/l 99
23) tert-Butyl Alcohol	4.76	59	86614	97.715	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	316844	20.217	ug/l 100
25) Chloroform	7.36	83	202776	20.593	ug/l 100
26) Cyclohexane	7.64	56	182013	20.026	ug/l # 99
29) 1,1-Dichloropropene	7.78	75	153655	19.776	ug/l 98
30) 2-Butanone	6.82	43	353014	100.059	ug/l 99
31) 2,2-Dichloropropane	6.81	77	161621	20.204	ug/l 99
32) 1,1,1-Trichloroethane	7.55	97	167811	20.024	ug/l 99
33) Carbon Tetrachloride	7.76	117	140943	19.795	ug/l 99
34) Benzene	8.03	78	445722	20.222	ug/l 98
35) Methacrylonitrile	7.15	41	59135	19.487	ug/l 92
36) 1,2-Dichloroethane	8.11	62	176028	20.387	ug/l 100
37) Trichloroethene	8.82	130	108213	19.610	ug/l 98
38) Methylcyclohexane	9.07	83	184115	19.596	ug/l 97
39) 1,2-Dichloropropane	9.11	63	121071	20.137	ug/l 96
40) Dibromomethane	9.20	93	78140	20.592	ug/l 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	145644	19.418	ug/l	97
42) Vinyl Acetate	5.87	43	1470619	109.172	ug/l	100
43) Ethyl Acetate	6.91	43	145032	20.704	ug/l	99
44) Isopropyl Acetate	8.15	43	242111	19.307	ug/l	98
45) 1,4-Dioxane	9.19	88	42130	398.252	ug/l	99
46) Methyl methacrylate	9.19	41	115255	19.394	ug/l	96
47) n-amyl Acetate	12.08	43	206052	18.878	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	154785	18.887	ug/l	99
49) cis-1,3-Dichloropropene	9.83	75	173383	19.001	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	104620	19.728	ug/l	96
51) Ethyl methacrylate	10.43	69	159877	19.054	ug/l	98
52) 1,3-Dichloropropane	10.71	76	190115	20.185	ug/l	99
53) Dibromochloromethane	10.90	129	99224	18.624	ug/l	99
54) 1,2-Dibromoethane	11.00	107	108457	20.041	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	356581	100.365	ug/l	99
56) Bromoform	12.13	173	60662	18.051	ug/l	100
58) 4-Methyl-2-Pentanone	9.98	43	720877	110.089	ug/l	99
59) 2-Hexanone	10.75	43	520406	105.126	ug/l	100
61) Tetrachloroethene	10.63	164	89693	20.486	ug/l	98
62) Toluene	10.15	91	477640	20.869	ug/l	100
64) Chlorobenzene	11.43	112	285384	20.290	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	99538	20.188	ug/l	98
66) Ethyl Benzene	11.51	91	532000	21.317	ug/l	100
67) m/p-Xylenes	11.62	106	388636	40.561	ug/l	100
68) o-Xylene	11.95	106	187009	20.072	ug/l	98
69) Styrene	11.97	104	310093	19.903	ug/l	98
70) Isopropylbenzene	12.25	105	506742	20.988	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	153392	19.989	ug/l	100
72) 1,2,3-Trichloropropane	12.56	75	137901m	20.896	ug/l	
73) Bromobenzene	12.53	156	116539	19.928	ug/l	98
74) n-propylbenzene	12.60	91	604263	21.709	ug/l	99
75) 2-Chlorotoluene	12.68	91	349944	20.099	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	429973	20.682	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	37801	17.560	ug/l	95
78) 4-Chlorotoluene	12.78	91	355548	19.924	ug/l	99
79) tert-butylbenzene	13.00	119	371317	20.629	ug/l	98
80) 1,2,4-Trimethylbenzene	13.05	105	425647	20.512	ug/l	98
81) sec-Butylbenzene	13.18	105	497913	21.090	ug/l	100
82) p-Isopropyltoluene	13.30	119	445370	20.948	ug/l	99
83) 1,3-Dichlorobenzene	13.29	146	210514	19.511	ug/l	99
84) 1,4-Dichlorobenzene	13.37	146	210411	19.594	ug/l	99
85) n-Butylbenzene	13.62	91	402777	20.391	ug/l	99
86) Hexachloroethane	13.88	117	65864	19.180	ug/l	99
87) 1,2-Dichlorobenzene	13.66	146	208356	19.776	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	28359	18.935	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	128571	18.679	ug/l	99
90) Hexachlorobutadiene	15.02	225	64574	19.389	ug/l	98
91) Naphthalene	15.14	128	377402	19.966	ug/l	100
92) 1,2,3-Trichlorobenzene	15.30	180	119065	18.011	ug/l	99

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ClientSampleId :
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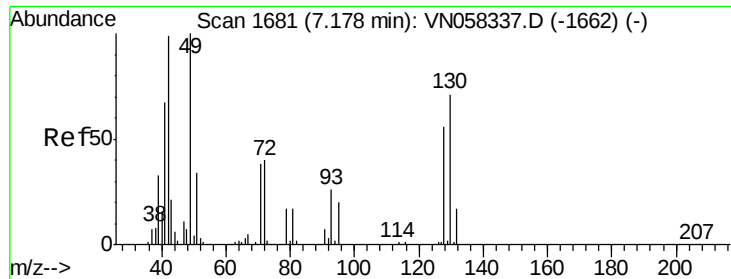
Manual Integrations
APPROVED

MMDadoda
9/25/2019 8:24:13 AM

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



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

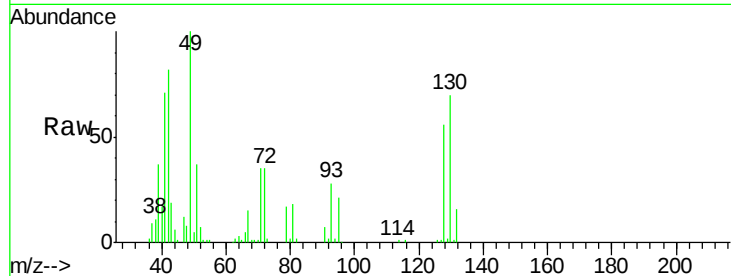
ClientSampled :

VN0924WBSD01

Tot Ion:	128	Resp:	79534
Ion	Ratio	Lower	Upper
128	100		
49	186.8	0.0	458.5
130	132.3	0.0	320.7

Manual Integrations
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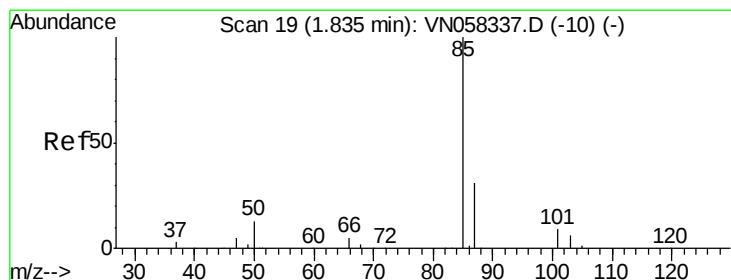
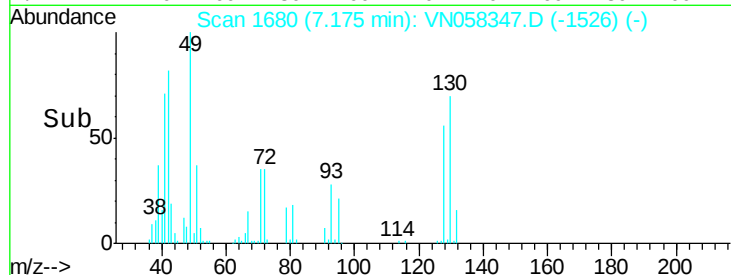
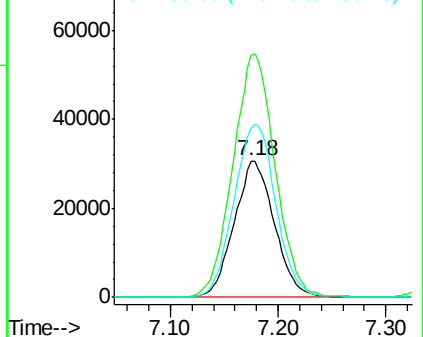
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.841 ug/l

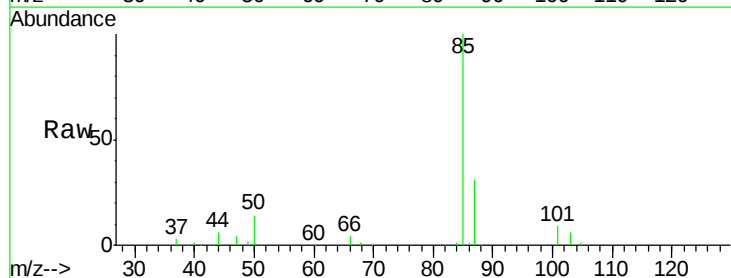
RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058347.D

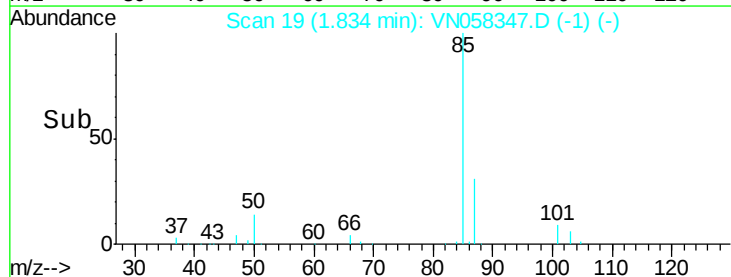
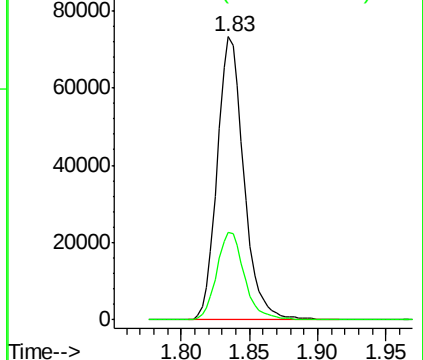
Acq: 24 Sep 2019 15:46

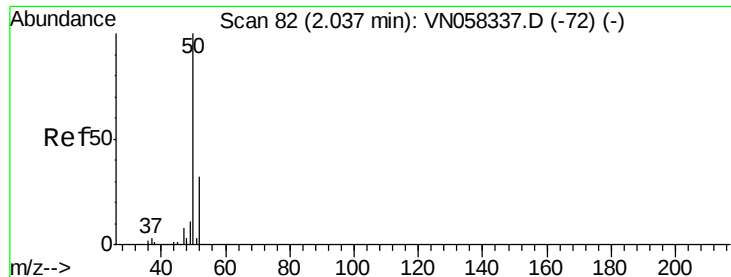
Tgt Ion:	85	Resp:	99681
Ion	Ratio	Lower	Upper
85	100		
87	30.8	15.5	46.5



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 20.945 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

Tot Ion: 50 Resp: 115668

Ion Ratio Lower Upper

50 100

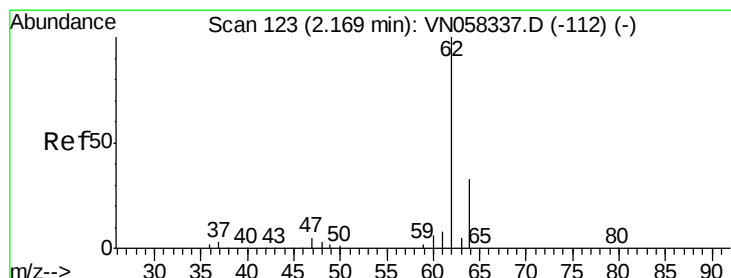
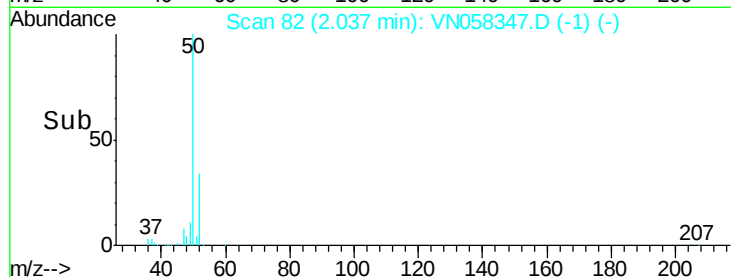
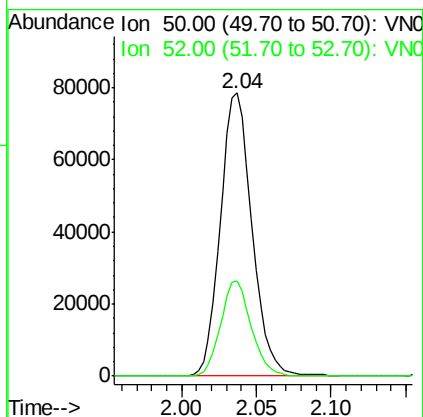
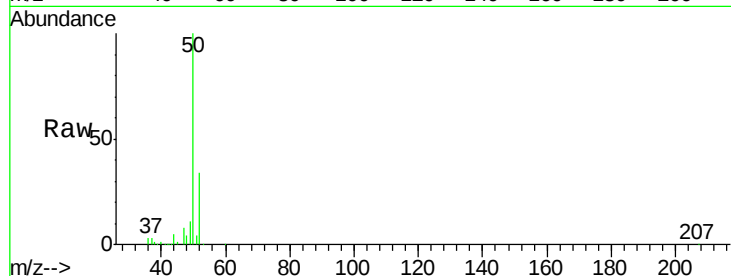
52 33.8 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.825 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058347.D

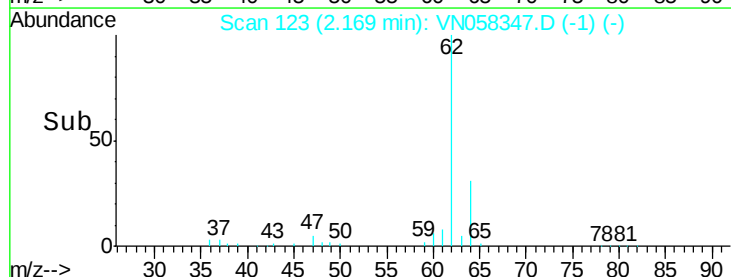
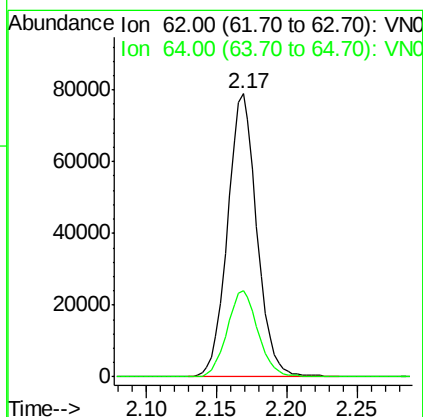
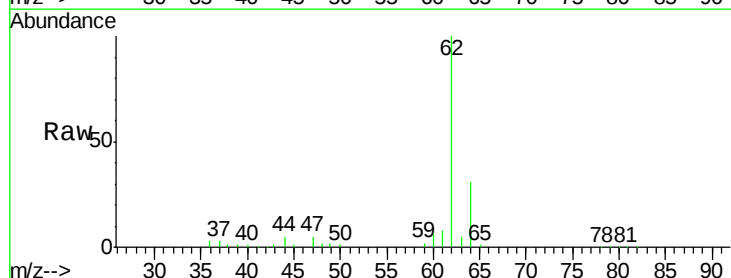
Acq: 24 Sep 2019 15:46

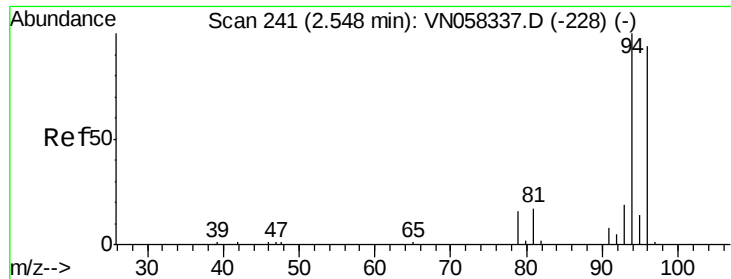
Tgt Ion: 62 Resp: 114762

Ion Ratio Lower Upper

62 100

64 30.6 26.6 40.0





#5

Bromomethane

Concen: 20.350 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

Tot Ion: 94 Resp: 60890

Ion Ratio Lower Upper

94 100

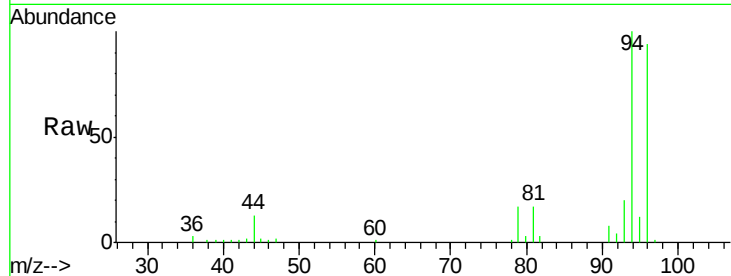
96 94.0 74.8 112.2

Manual Integrations

APPROVED

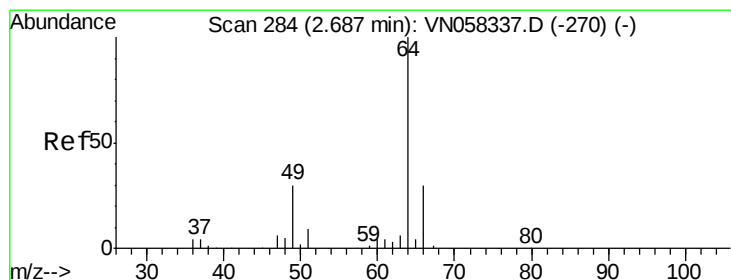
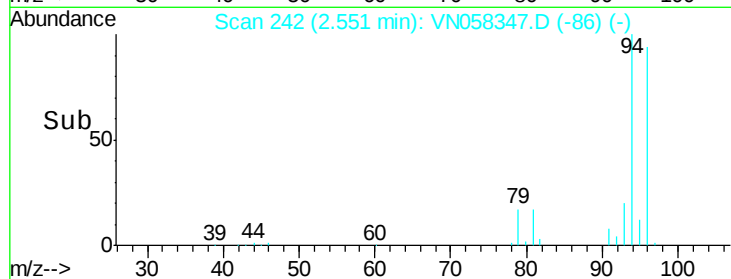
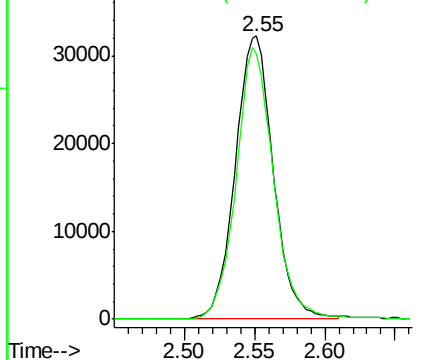
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 21.712 ug/l

RT: 2.69 min Scan# 284

Delta R.T. -0.00 min

Lab File: VN058347.D

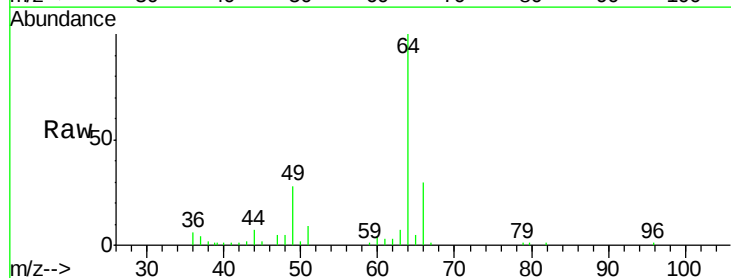
Acq: 24 Sep 2019 15:46

Tgt Ion: 64 Resp: 70709

Ion Ratio Lower Upper

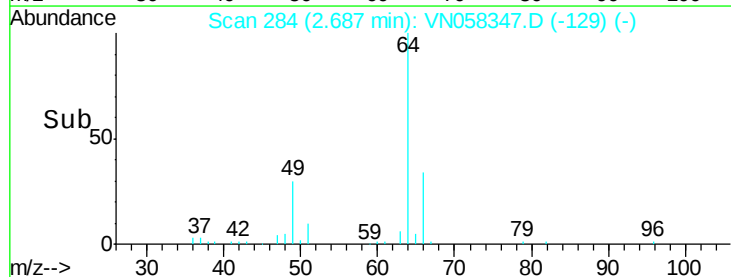
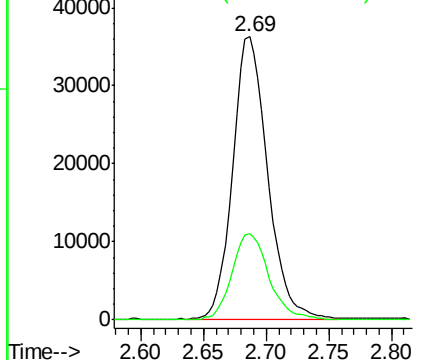
64 100

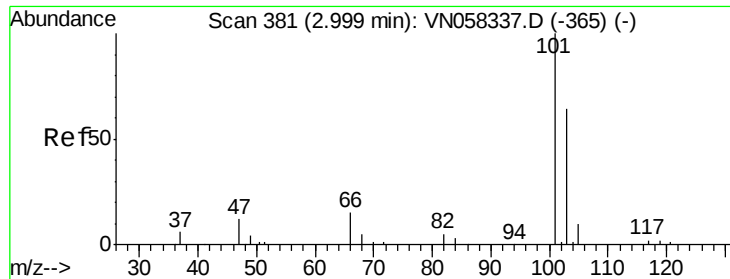
66 30.5 23.8 35.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

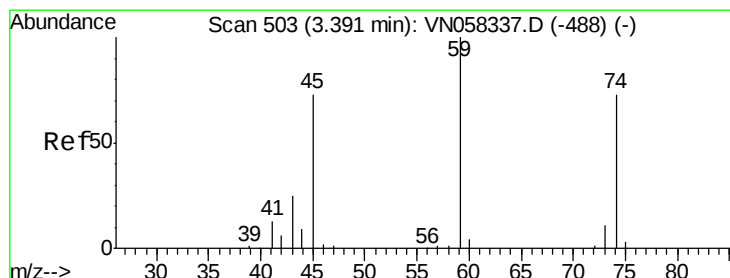
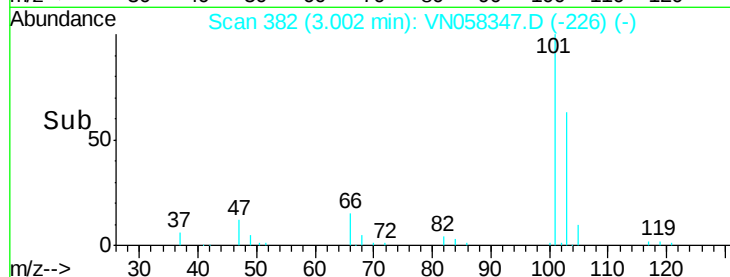
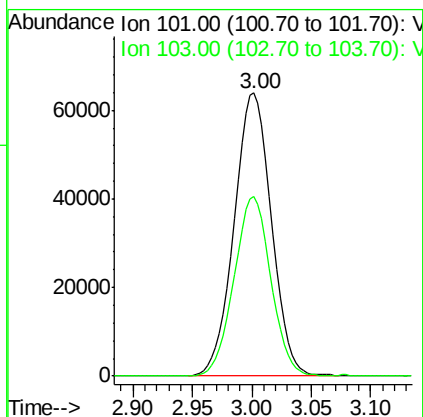
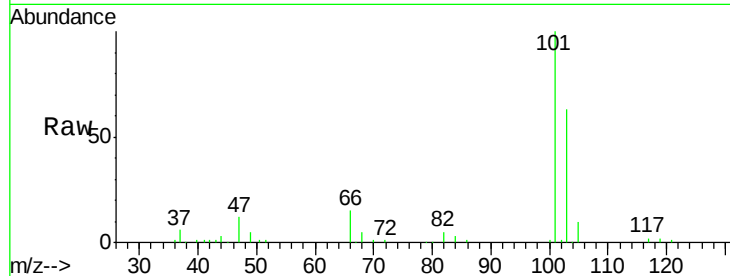
Trichlorofluoromethane
Concen: 21.423 ug/l
RT: 3.00 min Scan# 382
Delta R.T. 0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
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ClientSampleId :
VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	51.5	77.3

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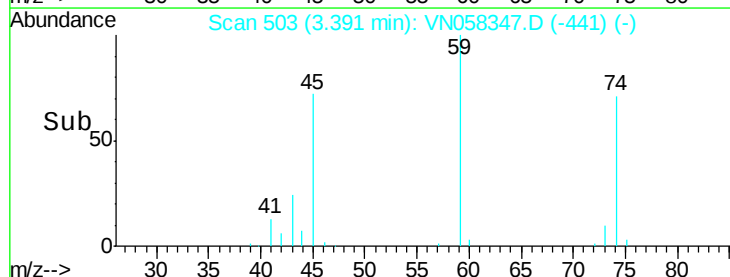
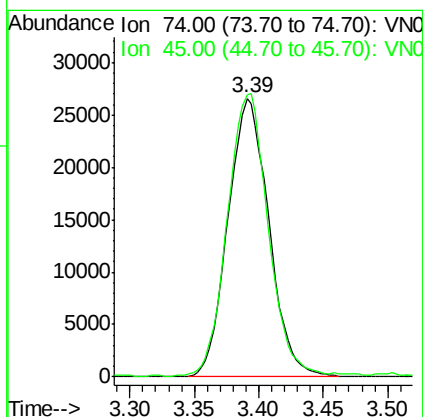
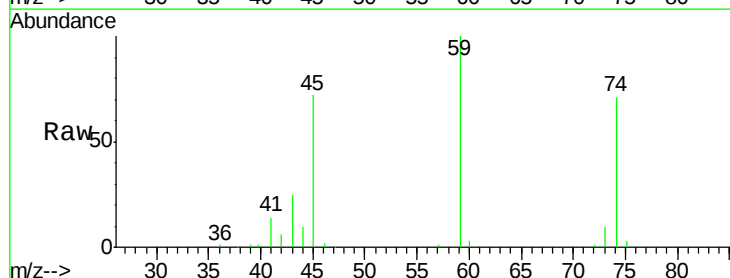
MMDadoda
9/25/2019 8:24:13 AM

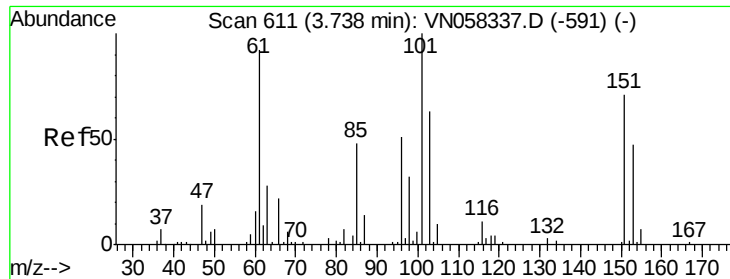


#8

Diethyl Ether
Concen: 20.357 ug/l
RT: 3.39 min Scan# 503
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.8	20.8	187.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.114 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

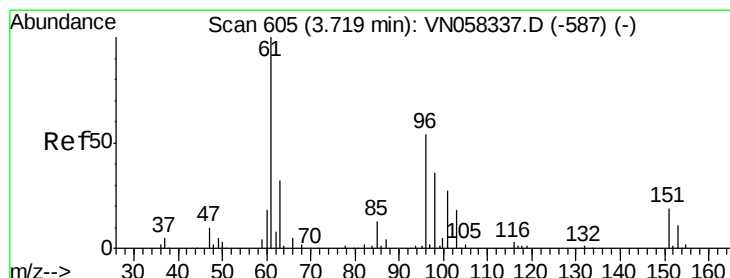
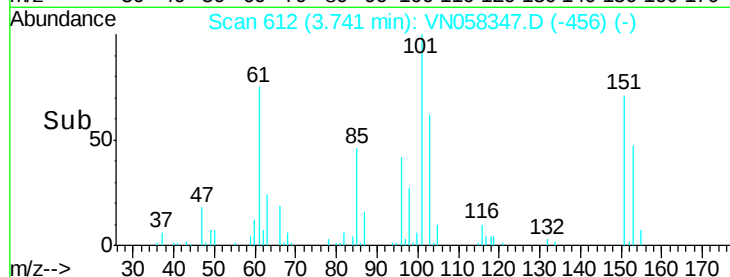
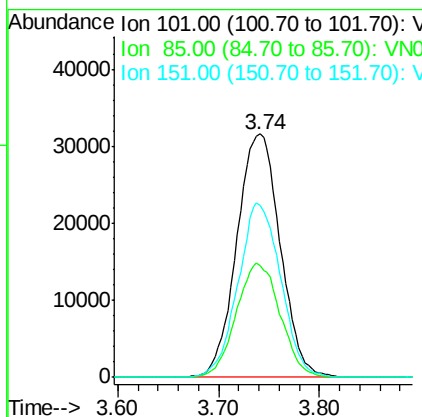
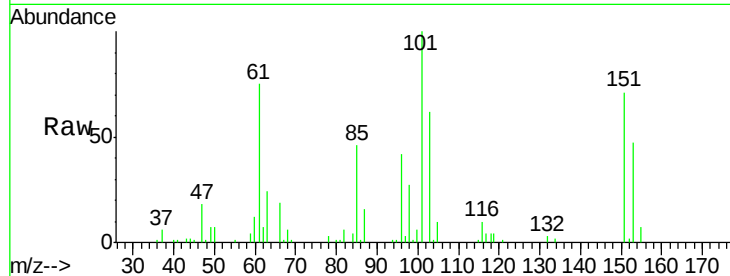
ClientSampleId :

VN0924WBSD01

Tot Ion:	101	Resp:	94304
Ion Ratio	Lower	Upper	
101	100		
85	47.4	0.0	93.0
151	70.4	0.0	147.2

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.802 ug/l

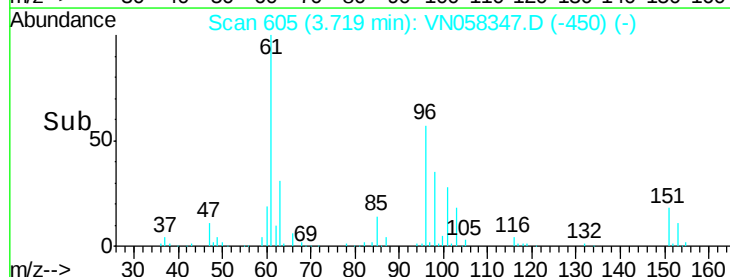
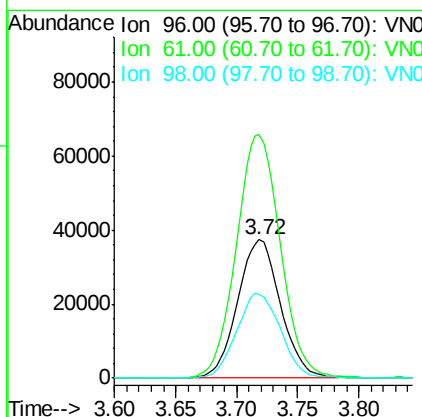
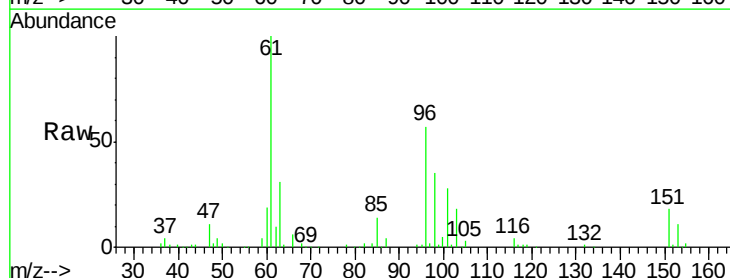
RT: 3.72 min Scan# 605

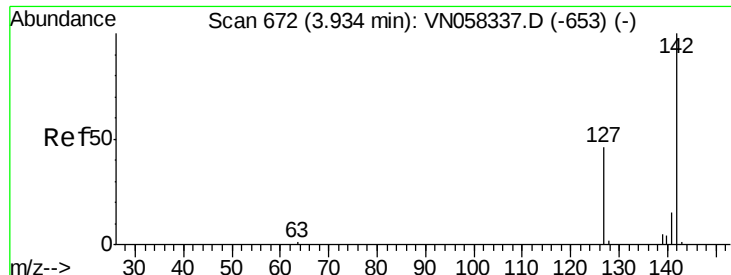
Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Tgt Ion:	96	Resp:	90825
Ion Ratio	Lower	Upper	
96	100		
61	176.3	146.9	220.3
98	60.9	52.3	78.5





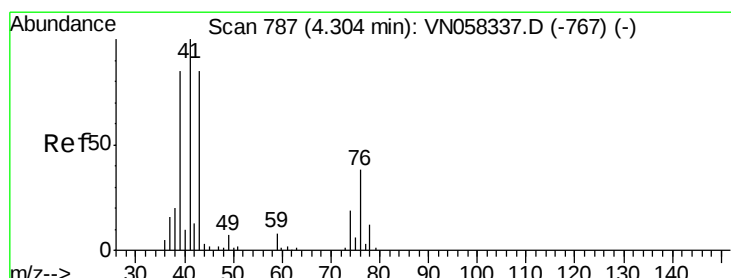
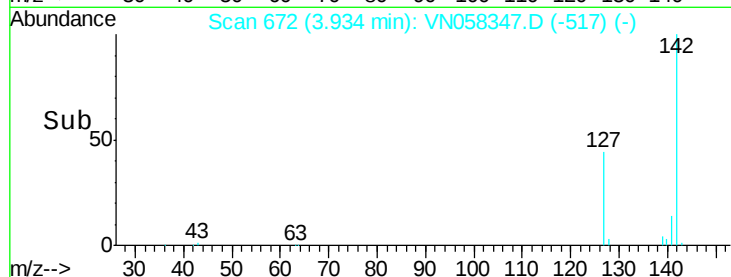
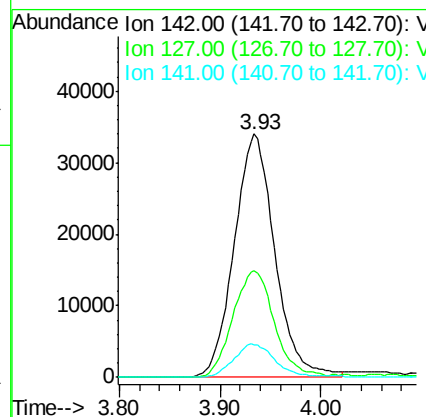
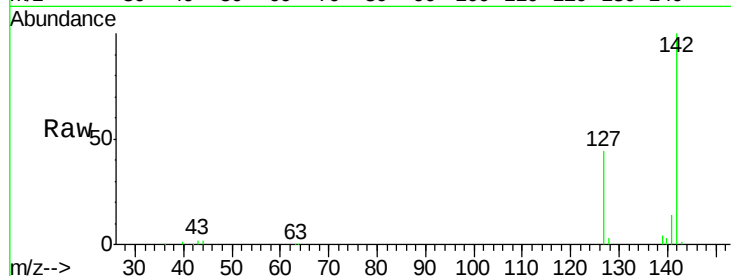
#11
Methvl Iodide
Concen: 21.281 ug/l
RT: 3.93 min Scan# 672
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.8	22.9	68.7
141	13.5	7.4	22.3

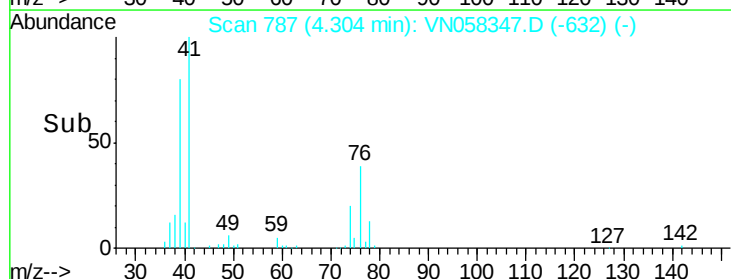
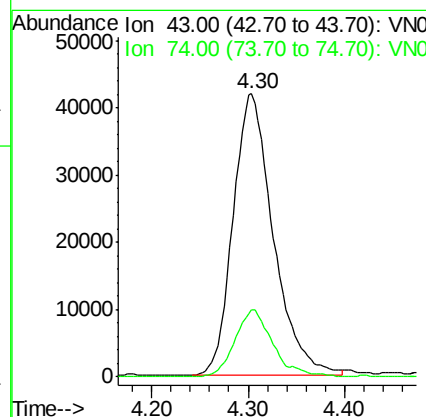
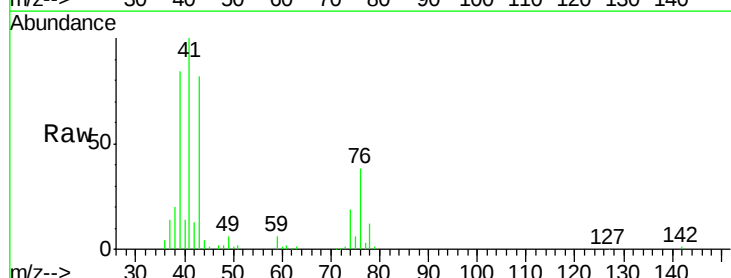
Manual Integrations
APPROVED

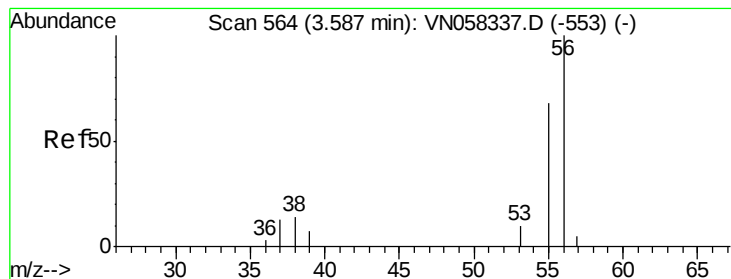
MMDadoda
9/25/2019 8:24:13 AM



#12
Methyl Acetate
Concen: 20.736 ug/l
RT: 4.30 min Scan# 787
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	17.8	26.6





#13

Acrolein

Concen: 126.452 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

Tot Ion: 56 Resp: 20910

Ion Ratio Lower Upper

56 100

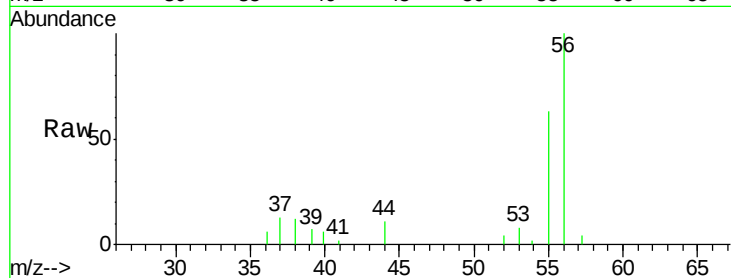
55 66.1 58.4 87.6

Manual Integrations

APPROVED

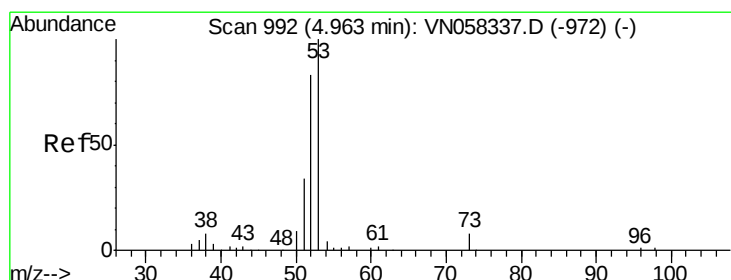
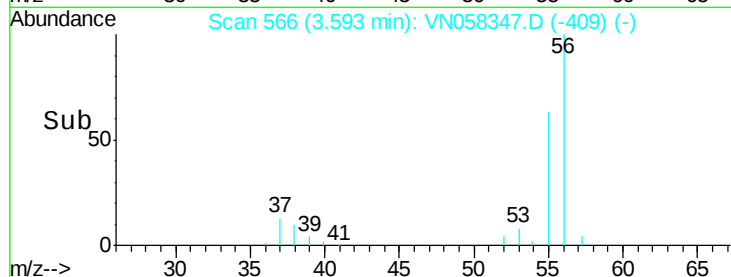
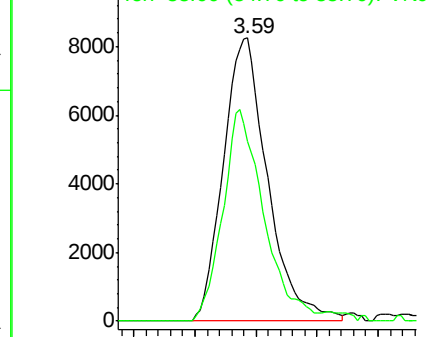
MMDadoda

9/25/2019 8:24:13 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Acrylonitrile

Concen: 102.915 ug/l

RT: 4.96 min Scan# 992

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

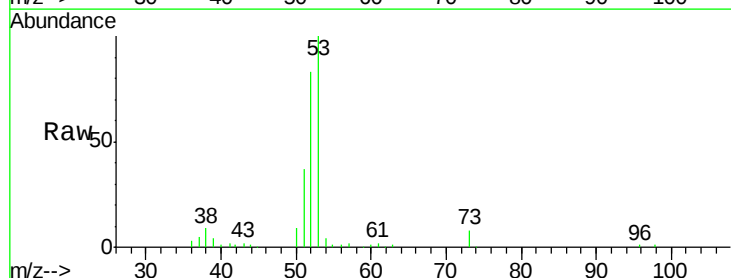
Tgt Ion: 53 Resp: 247112

Ion Ratio Lower Upper

53 100

52 81.5 41.3 123.7

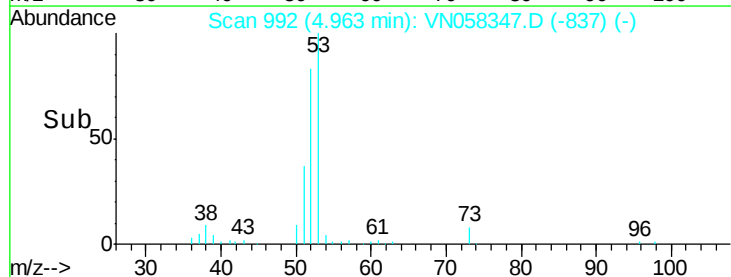
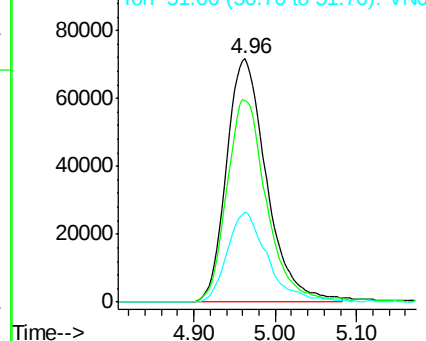
51 37.2 18.3 54.8

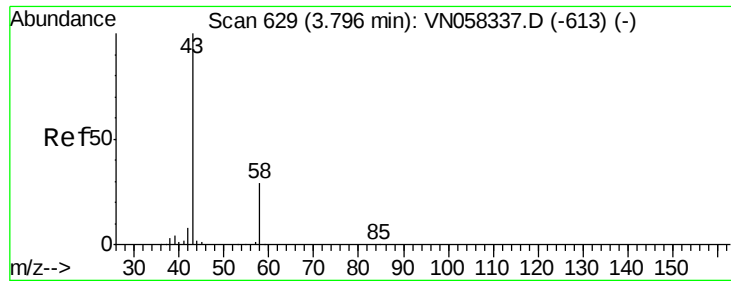


Abundance Ion 53.00 (52.70 to 53.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

Ion 51.00 (50.70 to 51.70): VNO





#15

Acetone

Concen: 106.867 ug/l

RT: 3.80 min Scan# 630

Delta R.T. 0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

Tot Ion: 58 Resp: 71149

Ion Ratio Lower Upper

58 100

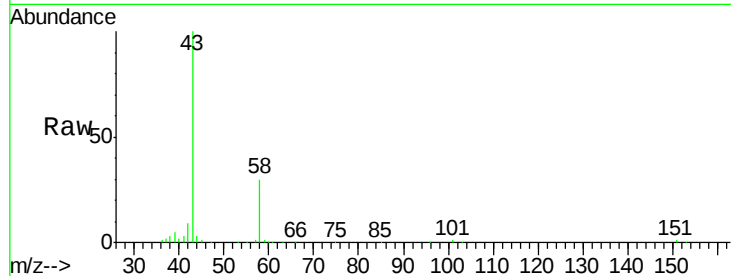
43 334.2 272.6 409.0

Manual Integrations

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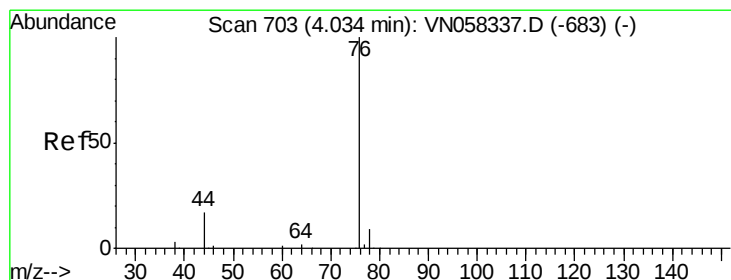
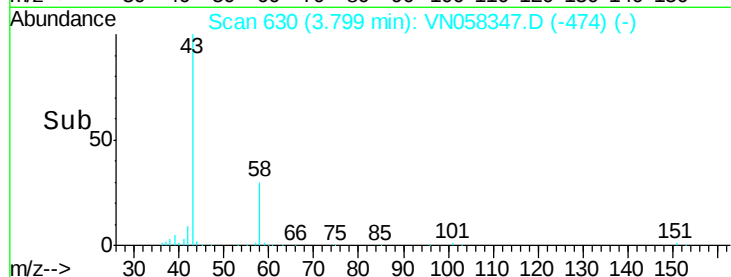
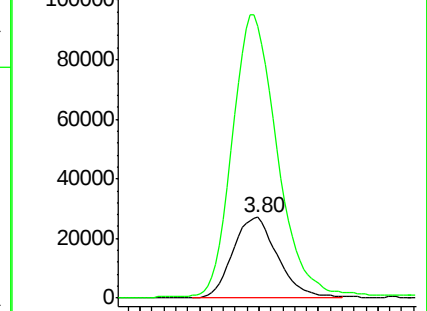
MMDadoda

9/25/2019 8:24:13 AM



Abundance Ion 58.00 (57.70 to 58.70): VNO

Ion 43.00 (42.70 to 43.70): VNO



#16

Carbon Disulfide

Concen: 19.551 ug/l

RT: 4.03 min Scan# 703

Delta R.T. -0.00 min

Lab File: VN058347.D

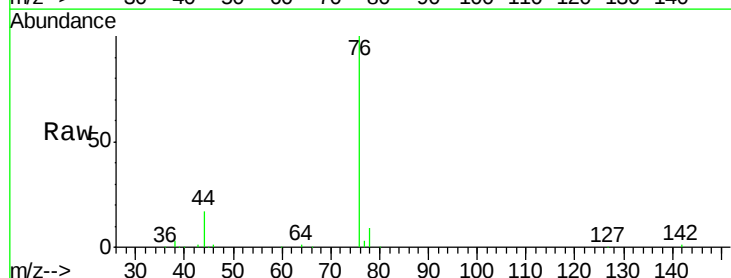
Acq: 24 Sep 2019 15:46

Tgt Ion: 76 Resp: 237224

Ion Ratio Lower Upper

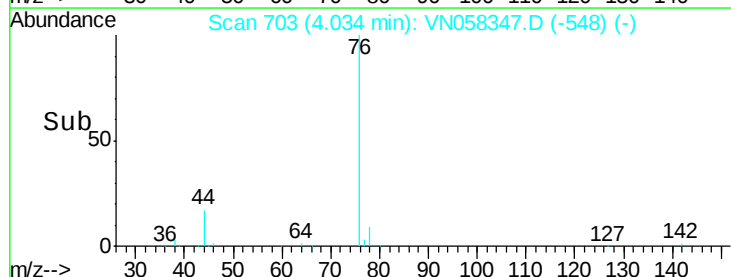
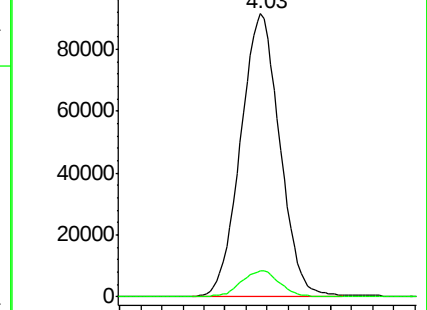
76 100

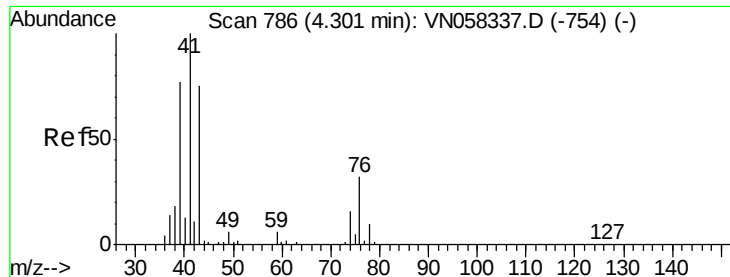
78 9.3 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VNO

Ion 78.00 (77.70 to 78.70): VNO





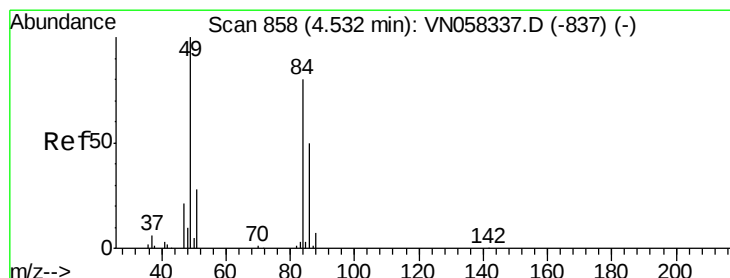
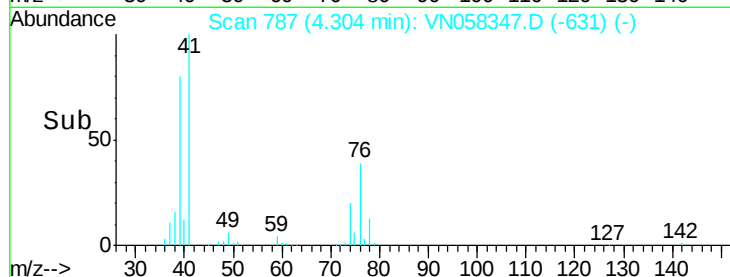
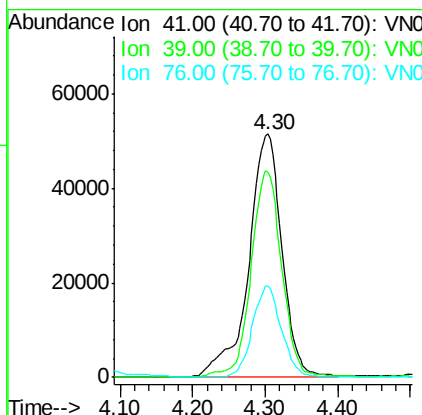
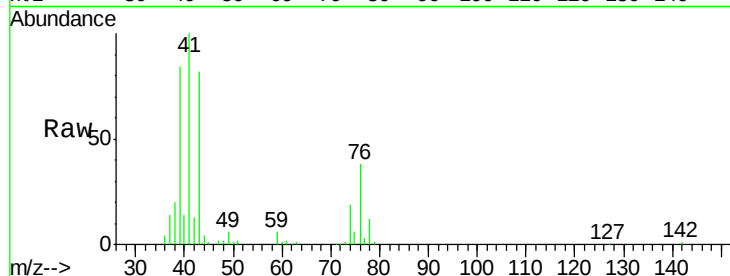
#17
Allvl chloride
Concen: 20.257 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	84.3	38.7	116.1
76	37.6	16.4	49.1

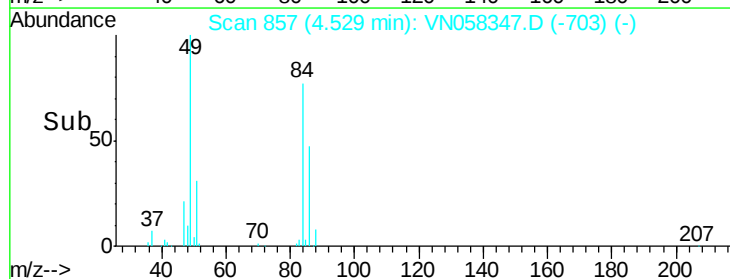
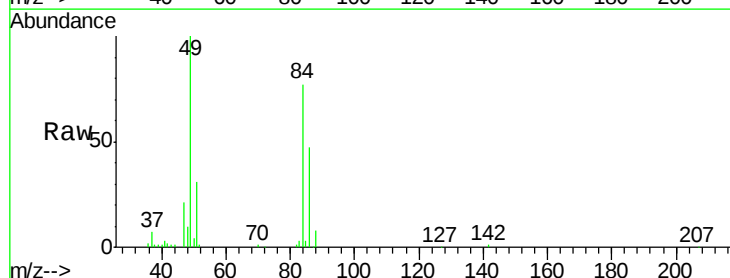
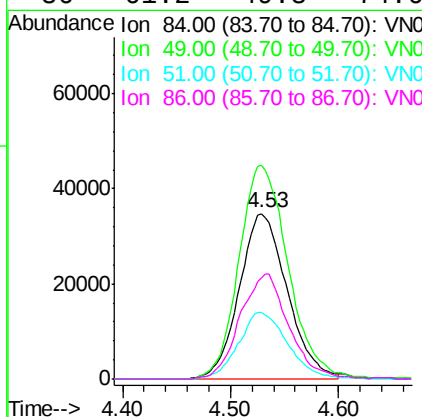
Manual Integrations
APPROVED

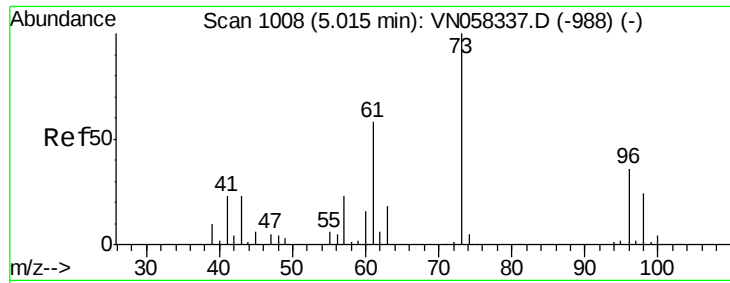
MMDadoda
9/25/2019 8:24:13 AM



#18
Methylene Chloride
Concen: 20.863 ug/l
RT: 4.53 min Scan# 857
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.3	99.8	149.6
51	39.9	28.3	42.5
86	61.2	49.8	74.6





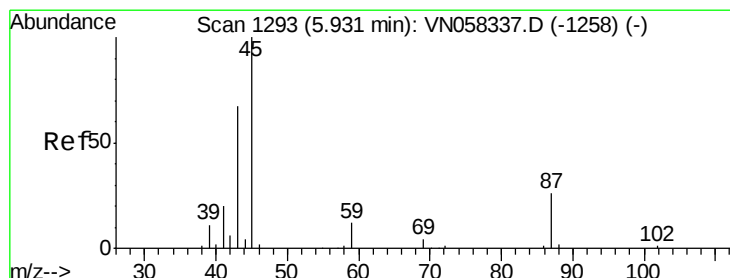
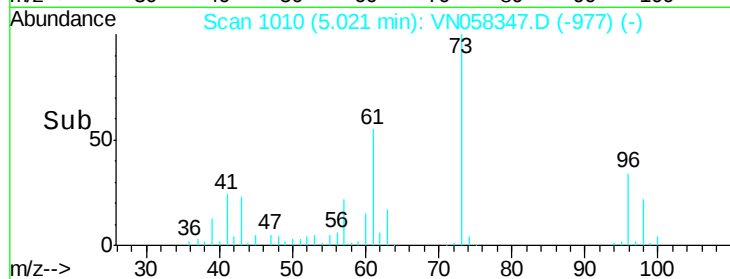
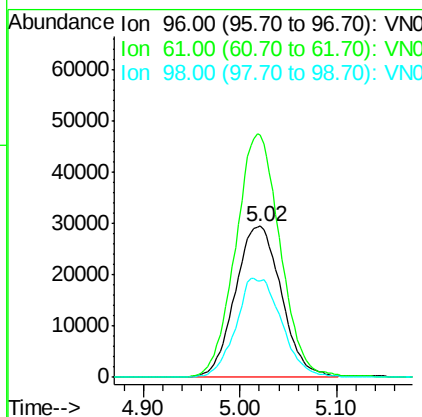
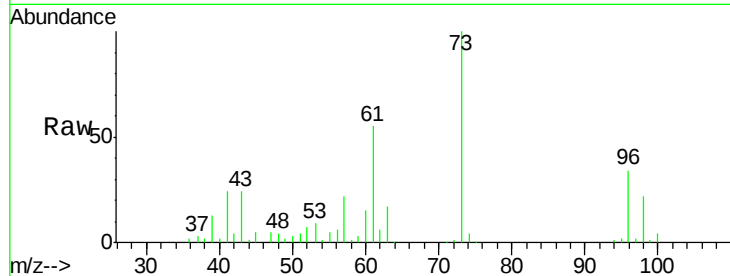
#19
trans-1,2-Dichloroethene
Concen: 19.999 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	159.9	128.0	192.0
98	63.9	53.0	79.6

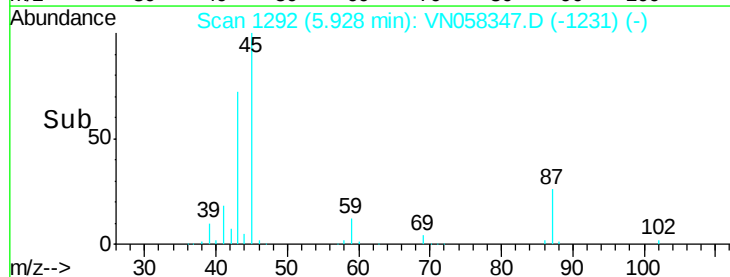
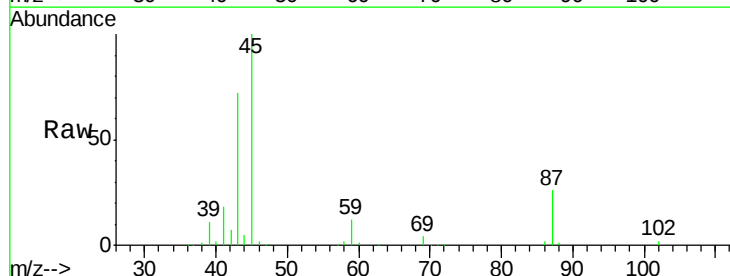
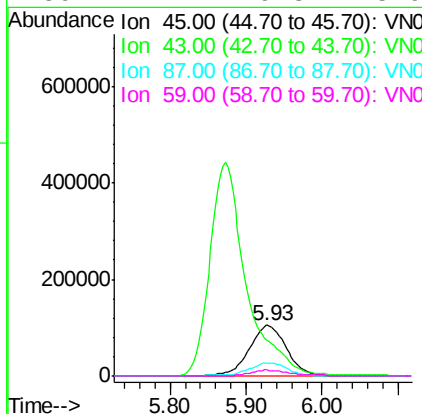
Manual Integrations
APPROVED

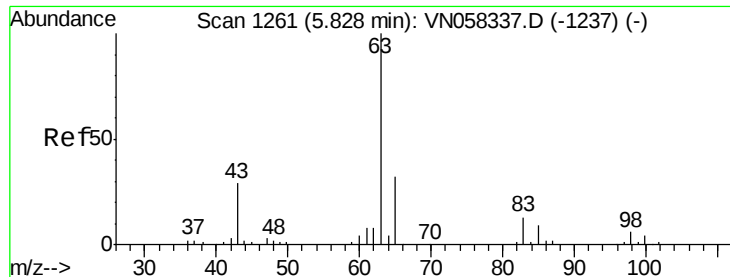
MMDadoda
9/25/2019 8:24:13 AM



#20
Diisopropyl ether
Concen: 20.610 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion	Ratio	Lower	Upper
45	100		
43	69.6	54.1	81.1
87	25.9	21.4	32.2
59	11.2	9.3	13.9





#21

1,1-Dichloroethane

Concen: 20.996 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

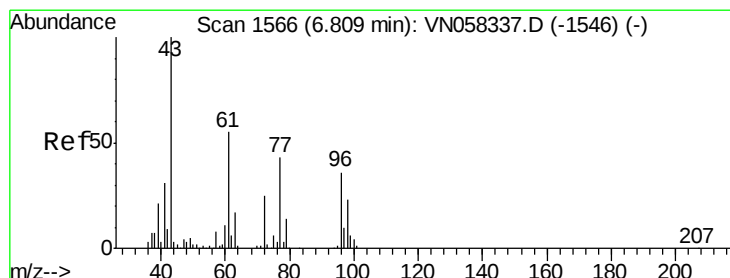
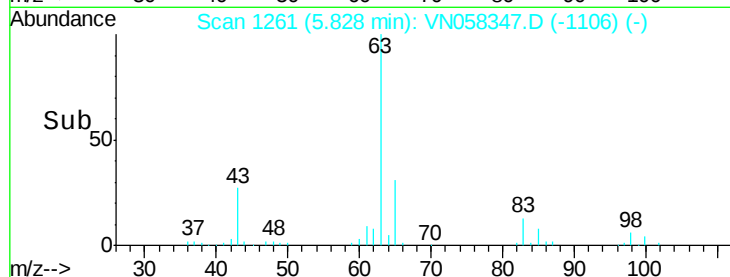
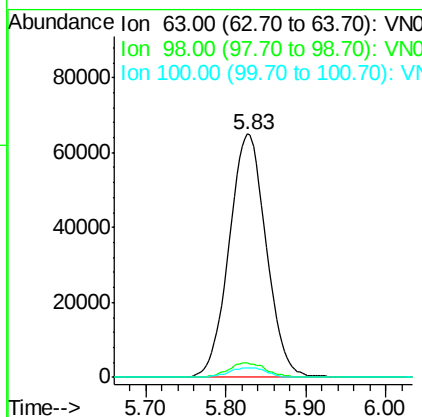
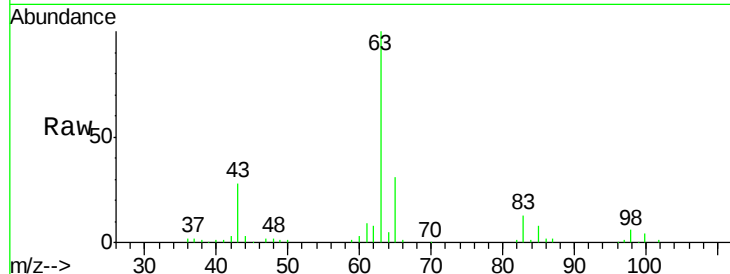
ClientSampleId :

VN0924WBSD01

Tot Ion:	63	Resp:	204173
Ion Ratio		Lower	Upper
63	100		
98	5.7	3.0	9.2
100	3.9	2.1	6.5

Manual Integrations
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MMDadoda
9/25/2019 8:24:13 AM



#22

cis-1,2-Dichloroethene

Concen: 20.657 ug/l

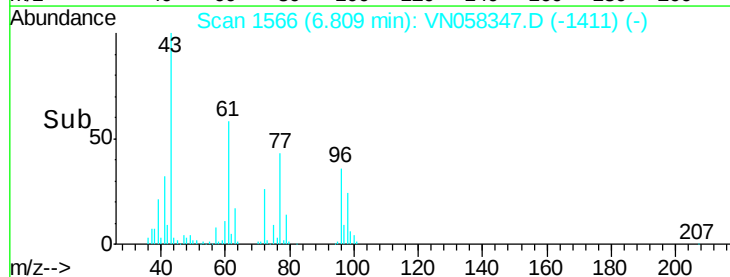
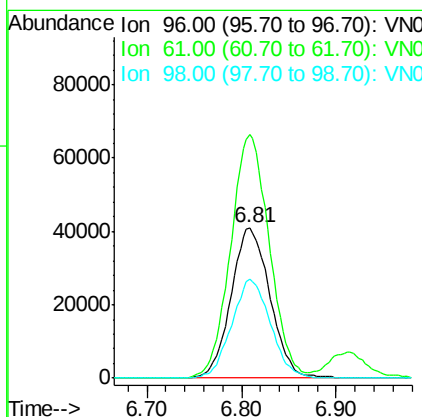
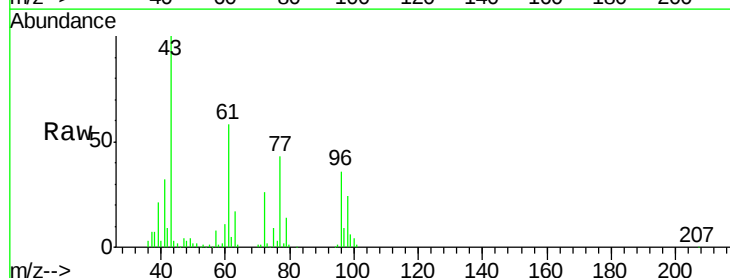
RT: 6.81 min Scan# 1566

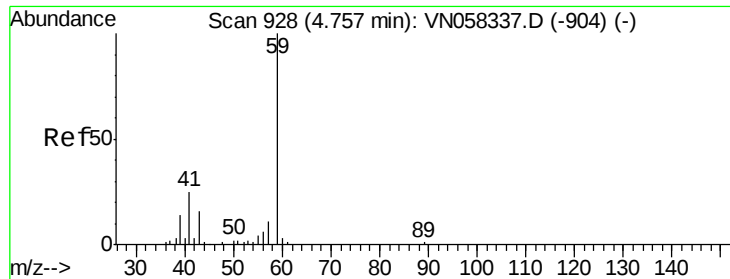
Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Tgt Ion:	96	Resp:	117450
Ion Ratio		Lower	Upper
96	100		
61	160.4	128.2	192.2
98	65.1	50.6	76.0





#23

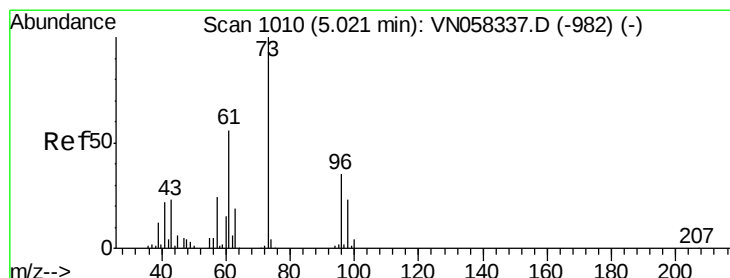
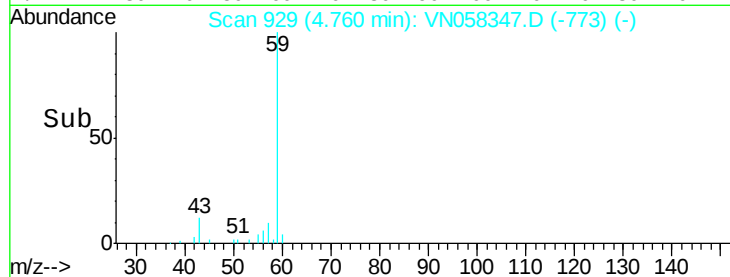
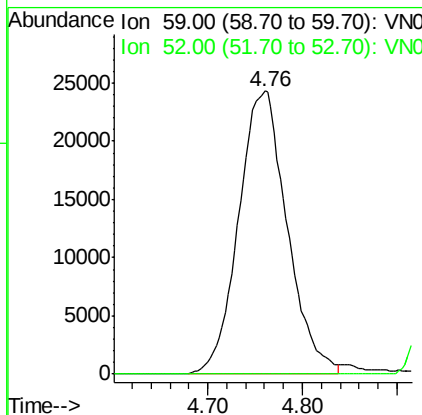
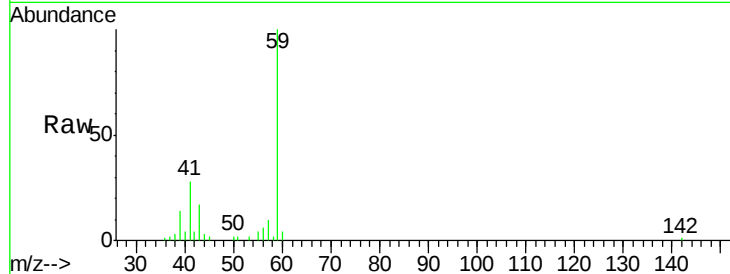
tert-Butyl Alcohol
 Concen: 97.715 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

Tot Ion	59	52	Ratio	Lower	Upper
59	100				
52	0.0		0.1	0.1	

Manual Integrations
 APPROVED

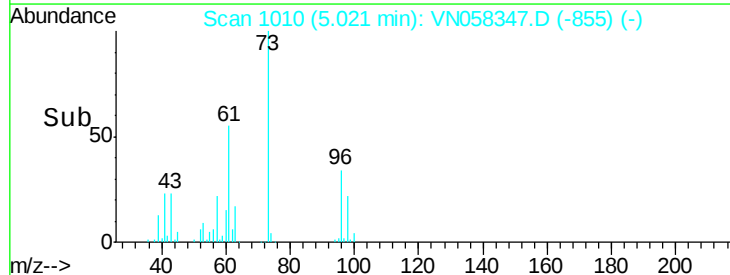
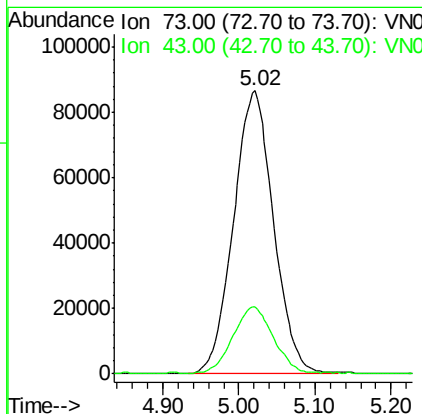
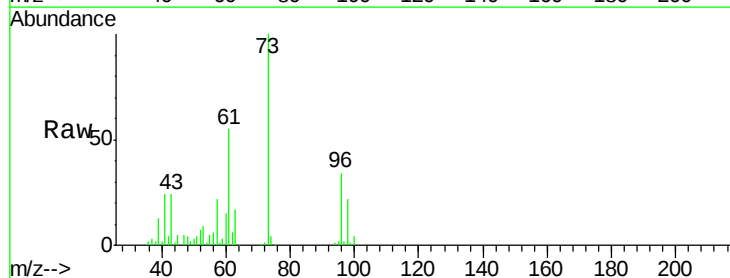
MMDadoda
 9/25/2019 8:24:13 AM

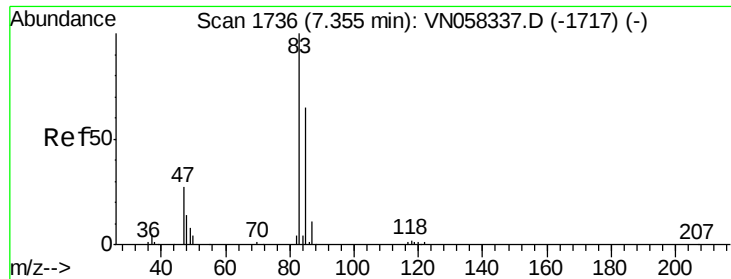


#24

Methyl tert-Butyl Ether
 Concen: 20.217 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion	73	43	Ratio	Lower	Upper
73	100				
43	23.2		18.4	27.6	





#25

Chloroform

Concen: 20.593 ug/l

RT: 7.36 min Scan# 1736

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

Tot Ion: 83 Resp: 202776

Ion Ratio Lower Upper

83 100

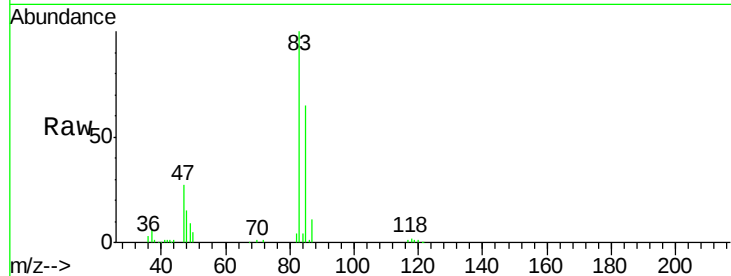
85 64.7 51.8 77.6

Manual Integrations

APPROVED

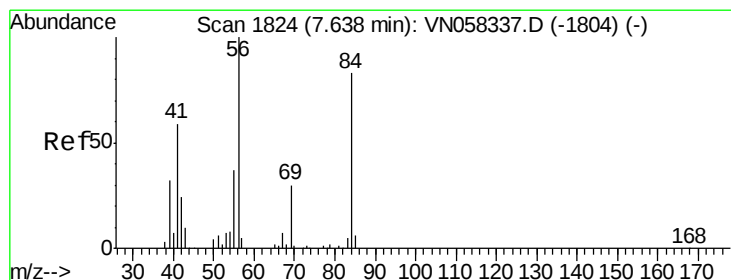
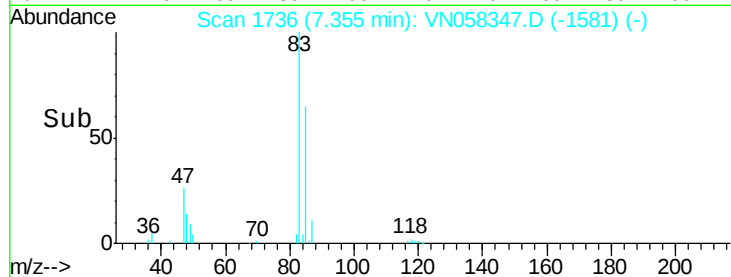
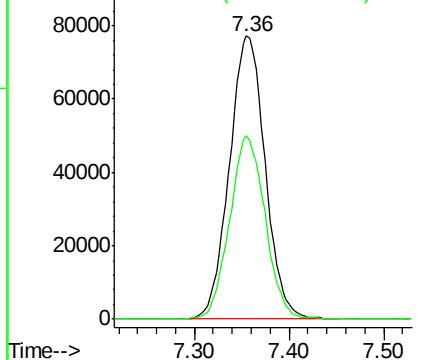
MMDadoda

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Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 85.00 (84.70 to 85.70): VN0



#26

Cyclohexane

Concen: 20.026 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

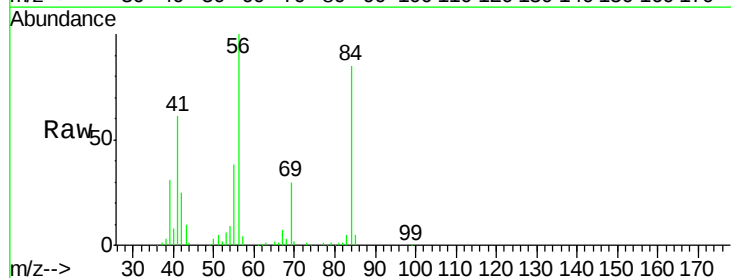
Tgt Ion: 56 Resp: 182013

Ion Ratio Lower Upper

56 100

89 0.0 0.1 0.1#

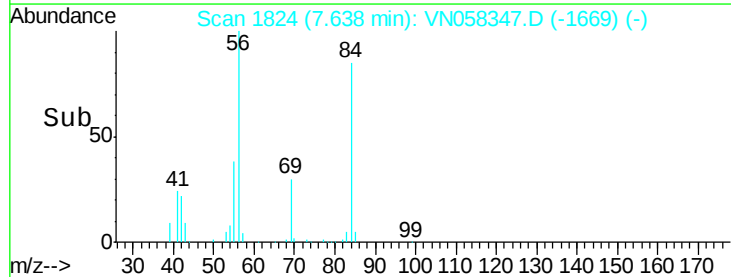
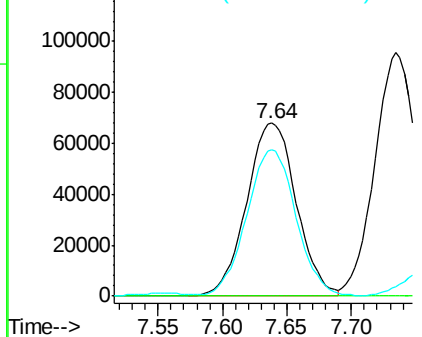
84 84.4 66.9 100.3

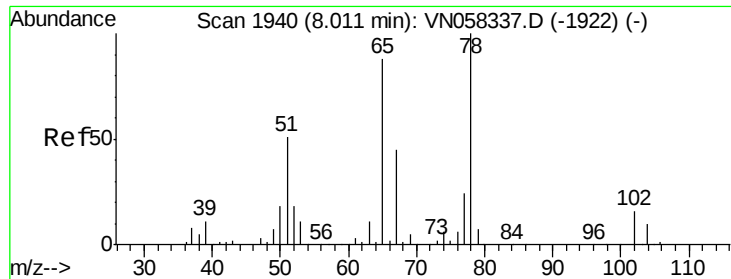


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 89.00 (88.70 to 89.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#27

1,2-Dichloroethane-d4

Concen: 30.649 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

Tot Ion: 65 Resp: 215482

Ion Ratio Lower Upper

65 100

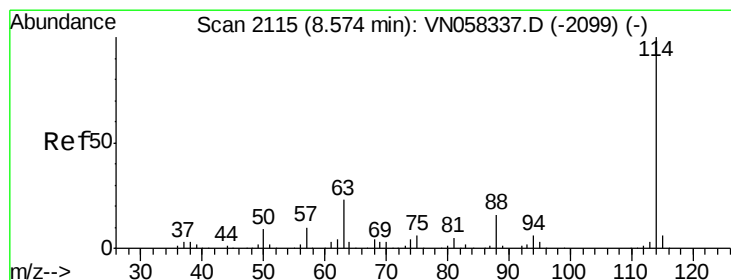
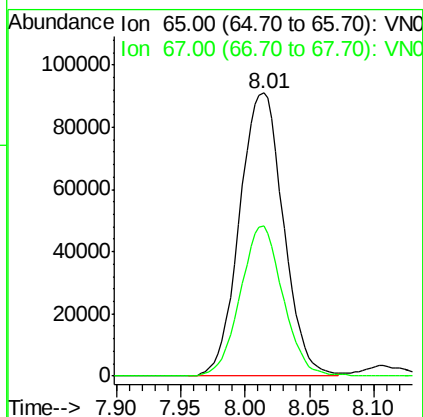
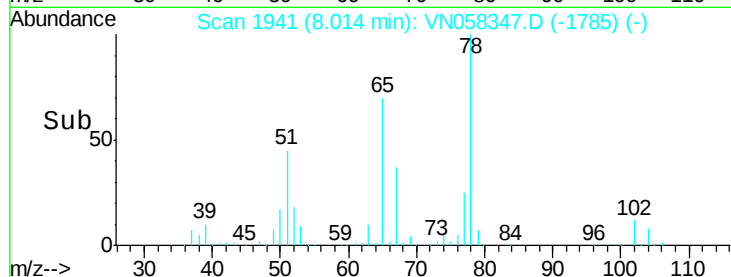
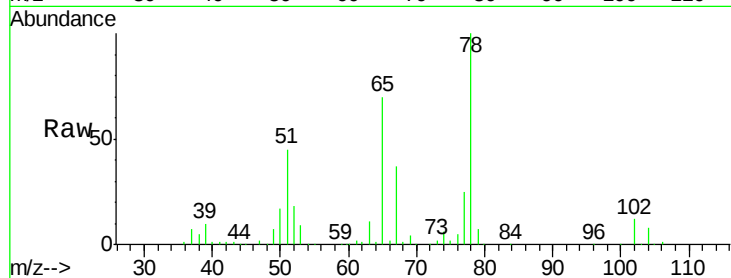
67 51.6 40.4 60.6

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#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

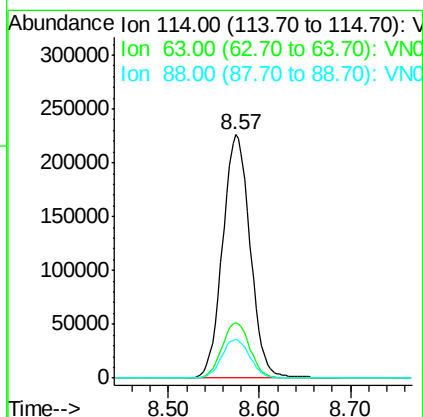
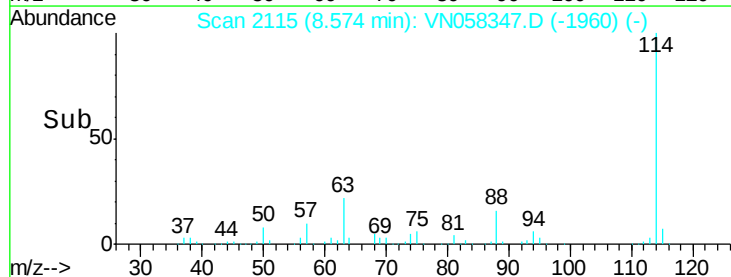
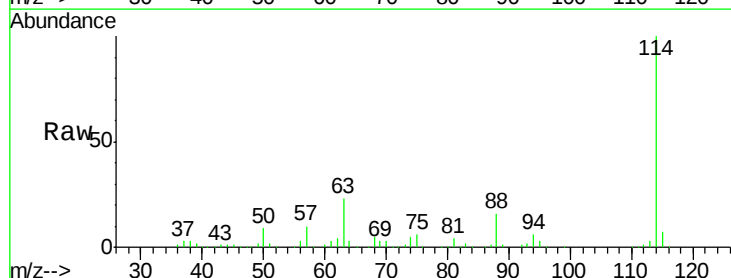
Tgt Ion: 114 Resp: 476007

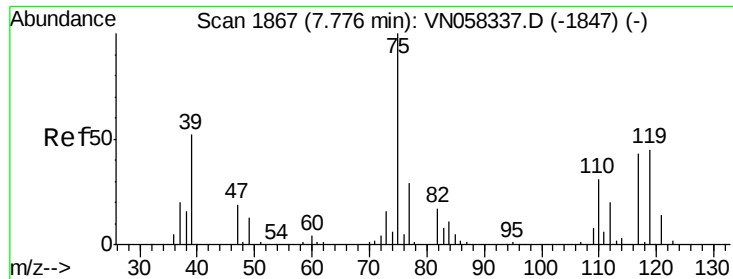
Ion Ratio Lower Upper

114 100

63 22.9 17.8 26.8

88 16.1 12.7 19.1





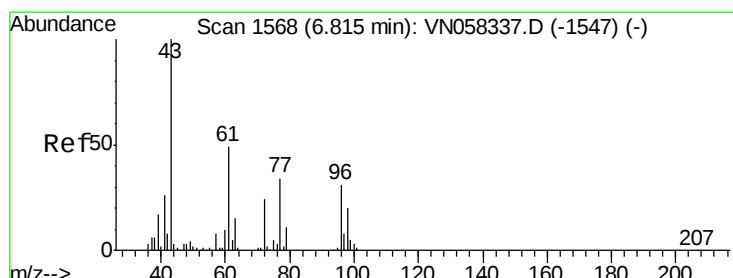
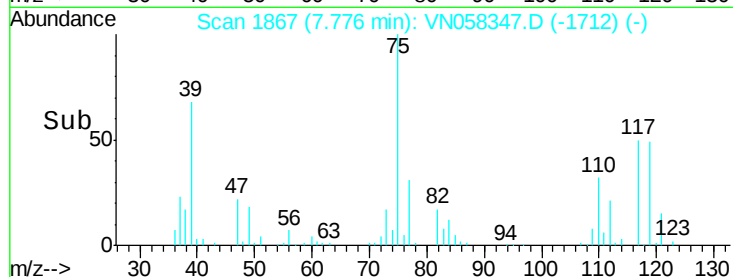
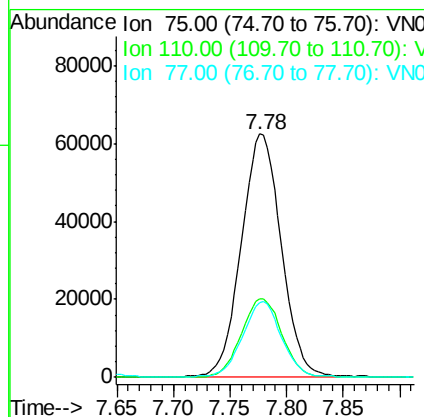
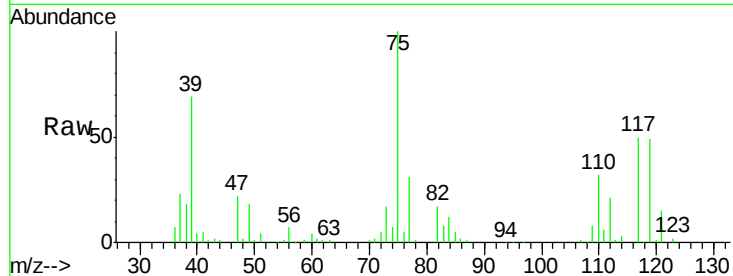
#29
 1,1-Dichloropropene
 Concen: 19.776 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
75	100				
110	32.9	0.0	63.6		
77	30.6	0.0	59.4		

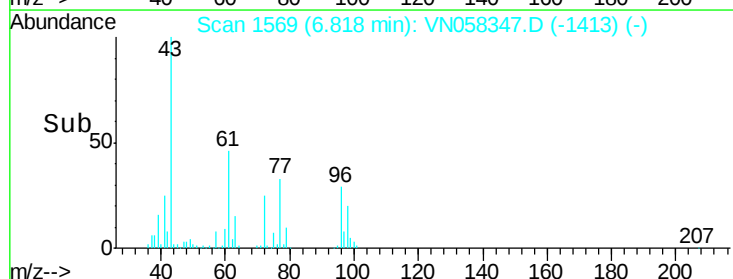
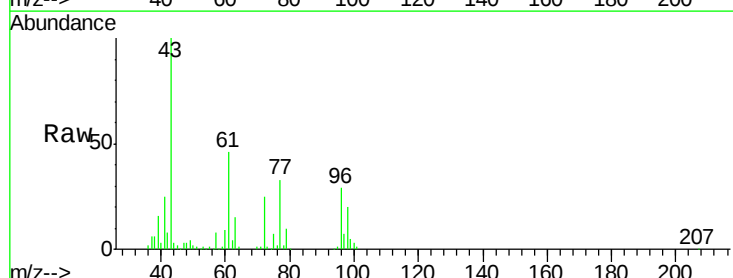
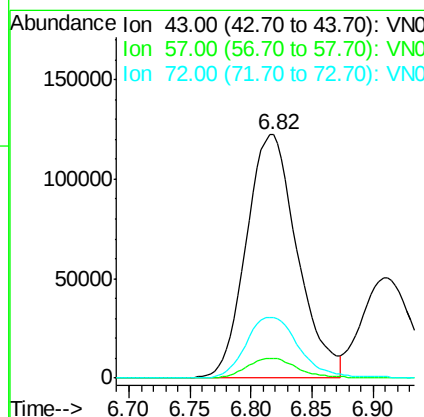
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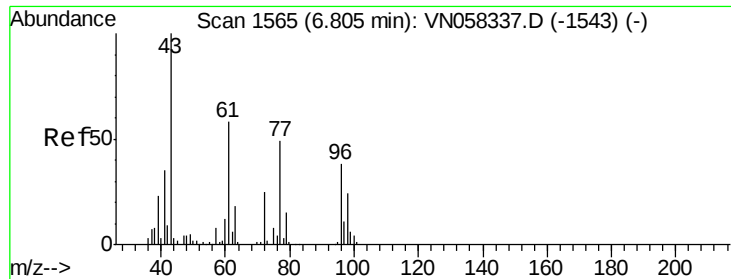
MMDadoda
 9/25/2019 8:24:13 AM



#30
 2-Butanone
 Concen: 100.059 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
43	100				
57	8.1	6.2	9.4		
72	25.9	20.3	30.5		





#31

2,2-Dichloropropane

Concen: 20.204 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

Tot Ion: 77 Resp: 161621

Ion Ratio Lower Upper

77 100

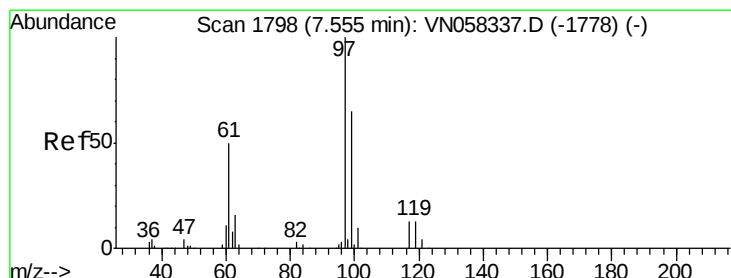
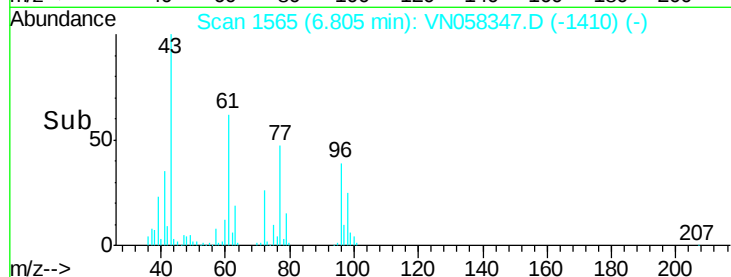
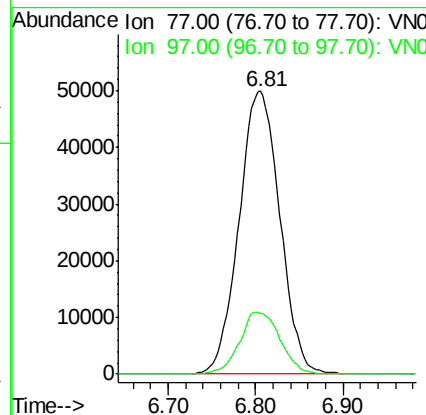
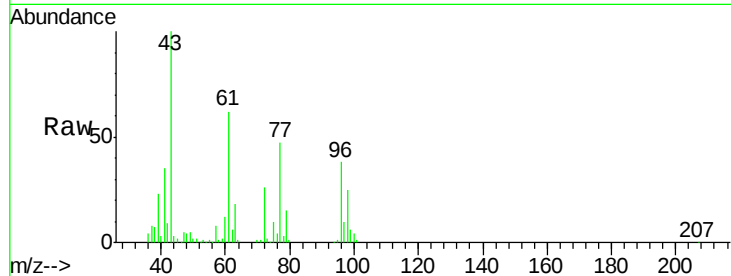
97 21.7 17.6 26.4

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 20.024 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

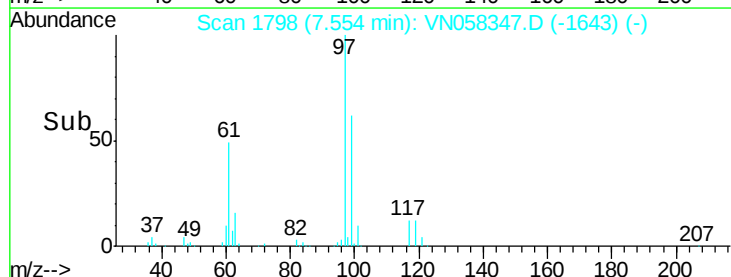
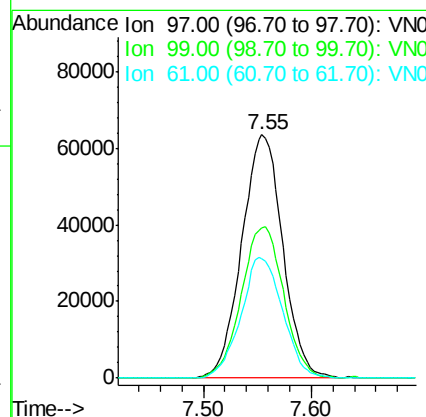
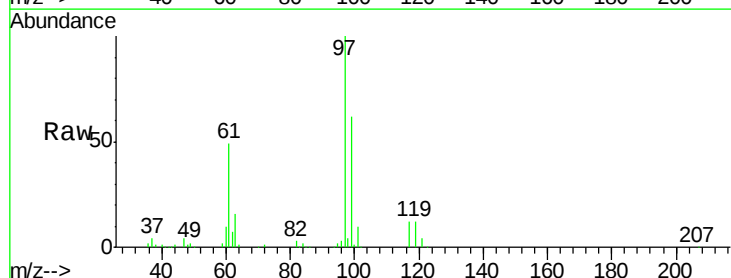
Tgt Ion: 97 Resp: 167811

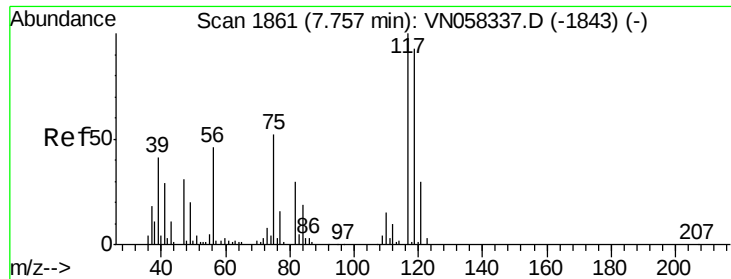
Ion Ratio Lower Upper

97 100

99 64.3 51.8 77.6

61 50.5 39.4 59.2





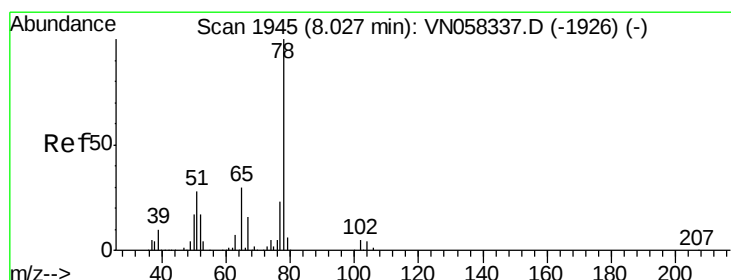
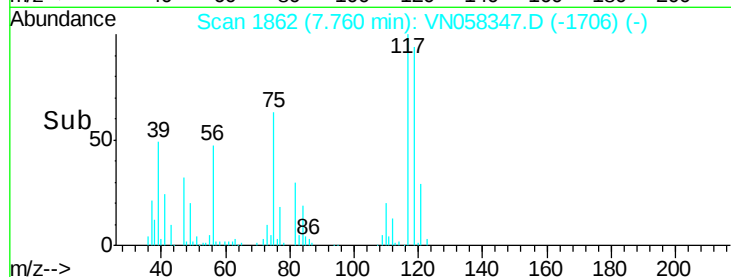
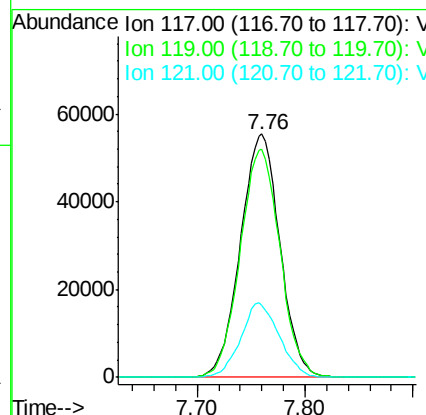
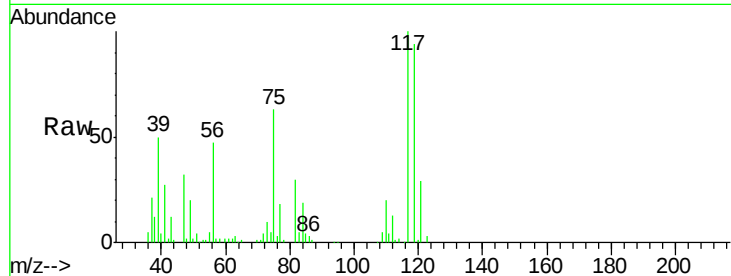
#33
Carbon Tetrachloride
Concen: 19.795 ug/l
RT: 7.76 min Scan# 1862
Delta R.T. 0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.6	74.2	111.4
121	29.4	23.9	35.9

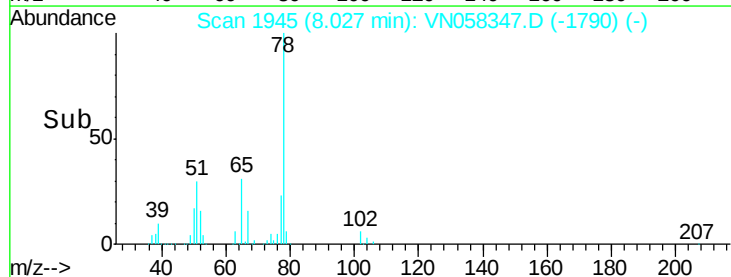
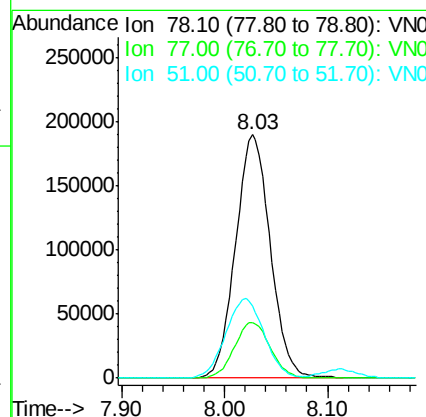
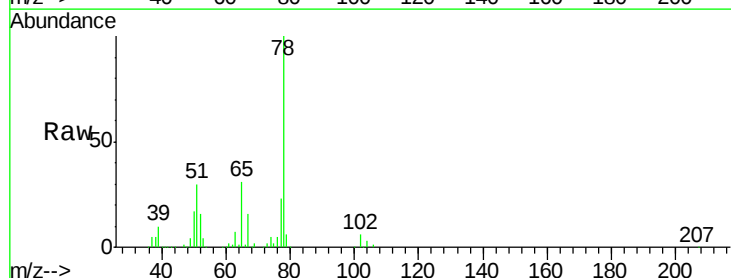
Manual Integrations
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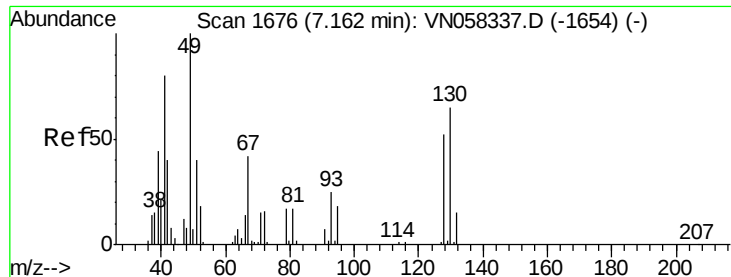
MMDadoda
9/25/2019 8:24:13 AM



#34
Benzene
Concen: 20.222 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.8	28.2
51	29.1	22.4	33.6





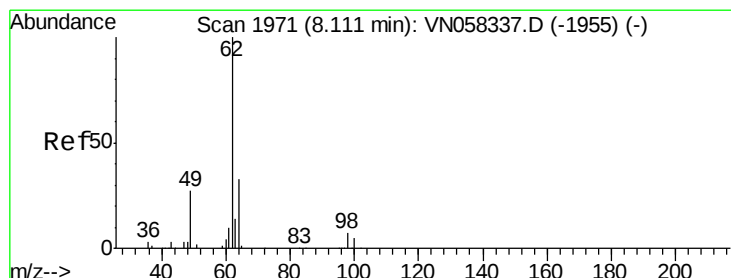
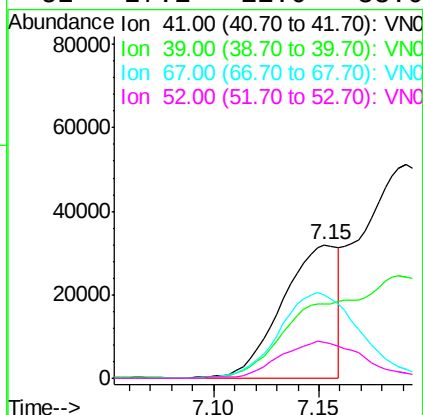
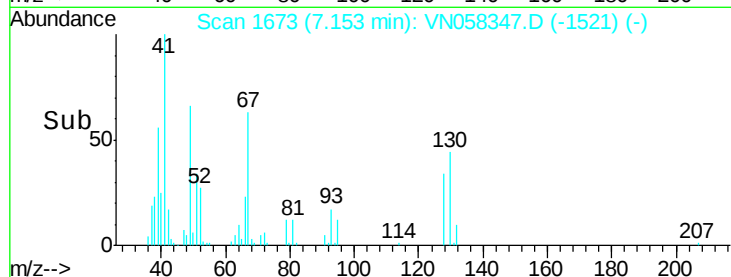
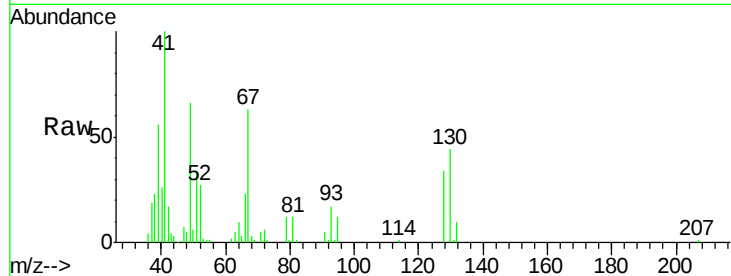
#35
Methacrylonitrile
Concen: 19.487 ug/l
RT: 7.15 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
MSVOA_N
ClientSampled :
VN0924WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.8	27.3	81.9	
67	62.7	26.3	78.9	
52	27.1	11.0	33.0	

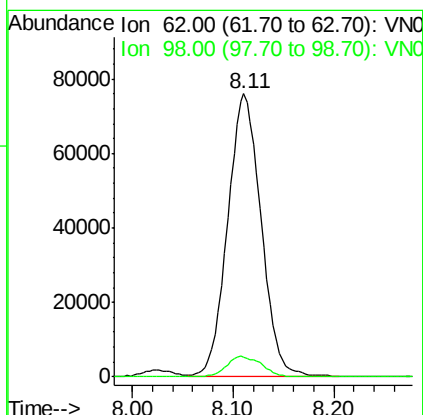
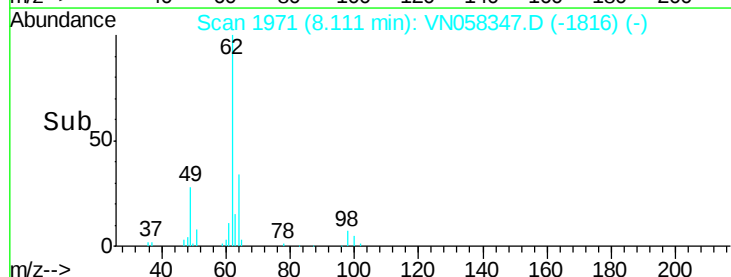
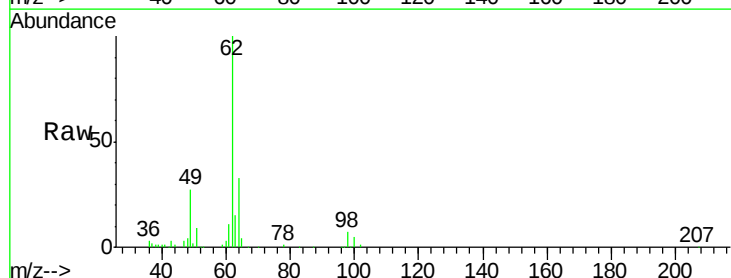
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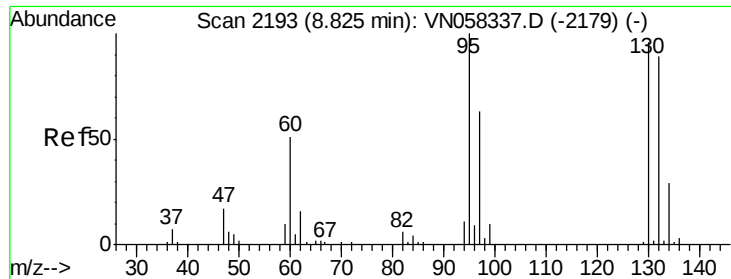
MMDadoda
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#36
1,2-Dichloroethane
Concen: 20.387 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	7.5	6.0	9.0	





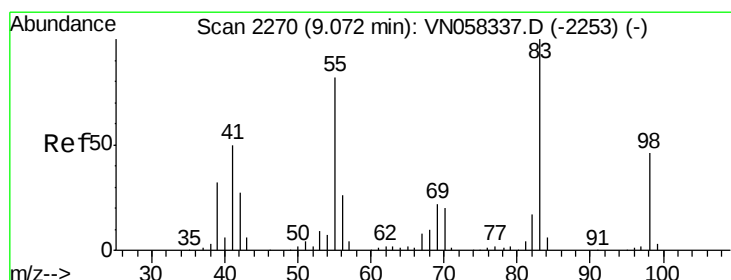
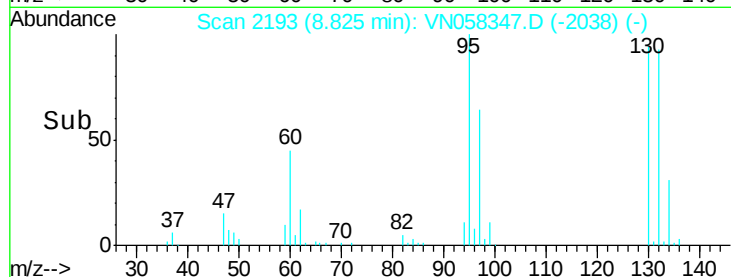
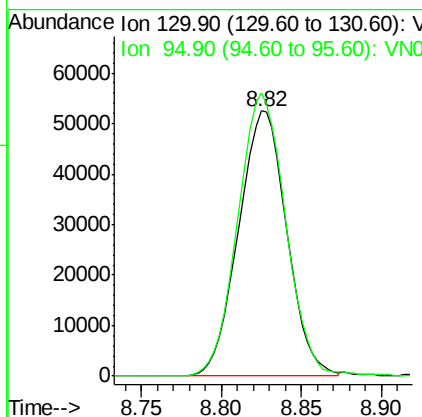
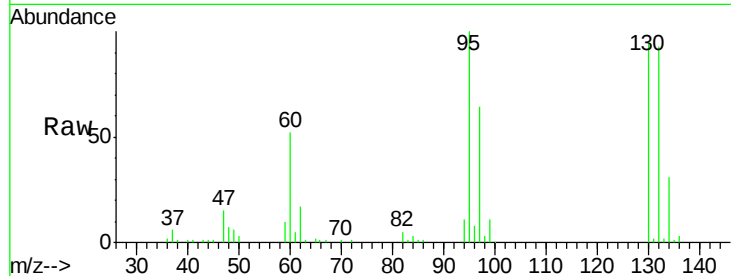
#37
 Trichloroethene
 Concen: 19.610 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

Tot Ion:130 Resp: 108213
 Ion Ratio Lower Upper
 130 100
 95 106.5 83.3 124.9

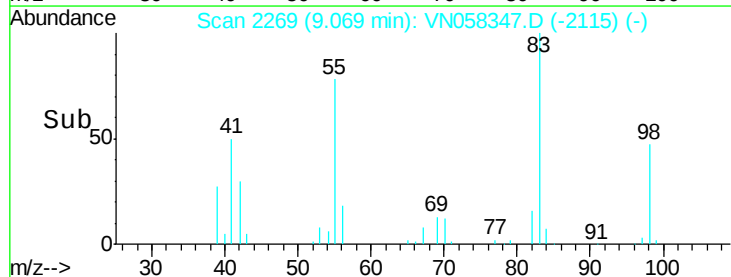
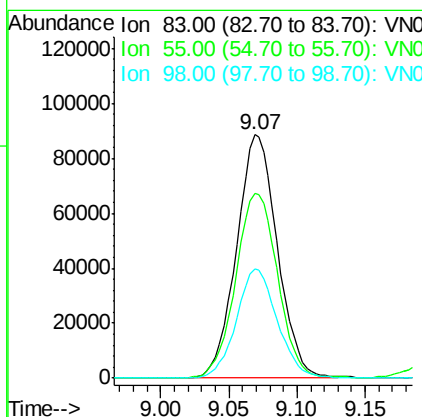
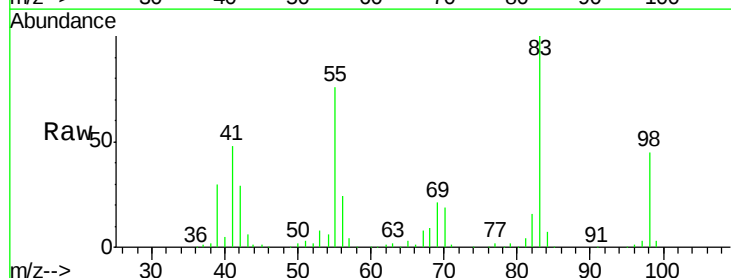
Manual Integrations
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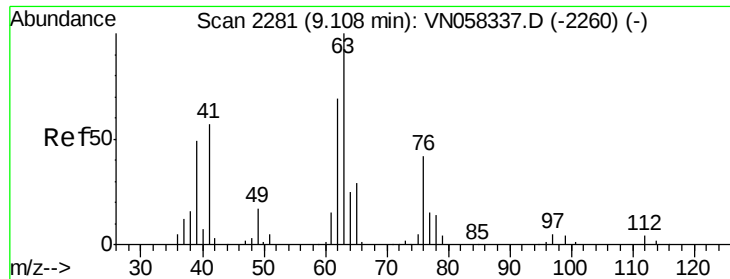
MMDadoda
 9/25/2019 8:24:13 AM



#38
 Methylcyclohexane
 Concen: 19.596 ug/l
 RT: 9.07 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion: 83 Resp: 184115
 Ion Ratio Lower Upper
 83 100
 55 78.0 40.5 121.4
 98 45.0 23.1 69.2





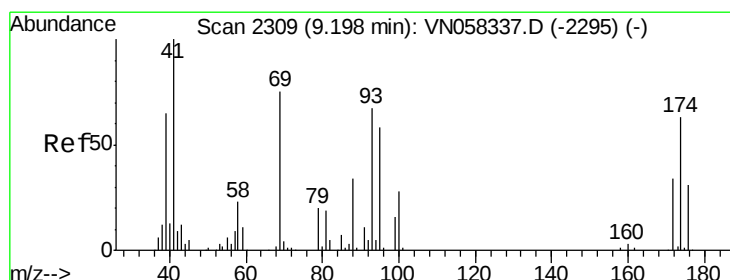
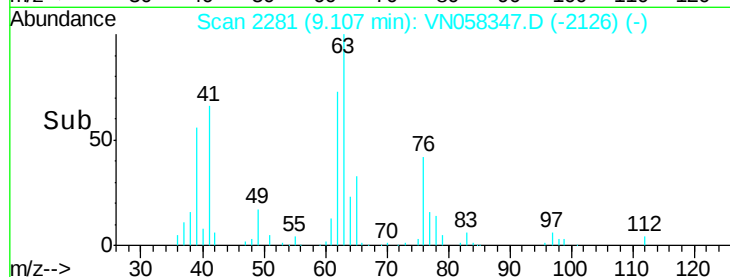
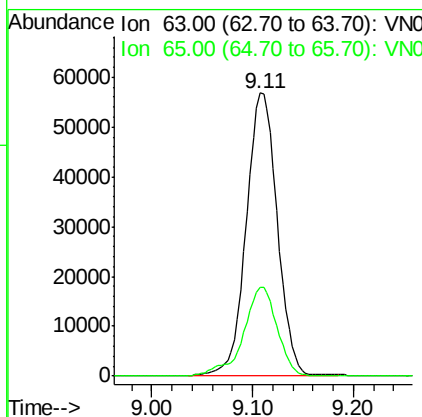
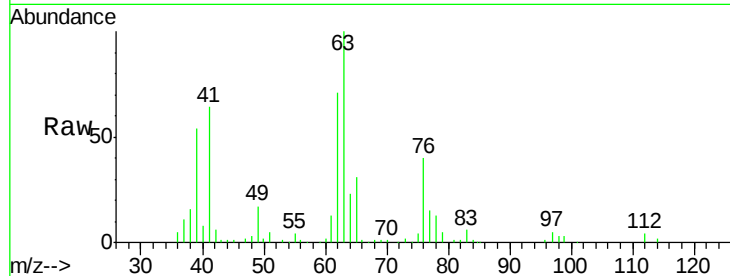
#39
 1,2-Dichloropropane
 Concen: 20.137 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

Tot Ion: 63 Resp: 121071
 Ion Ratio Lower Upper
 63 100
 65 31.2 23.4 35.0

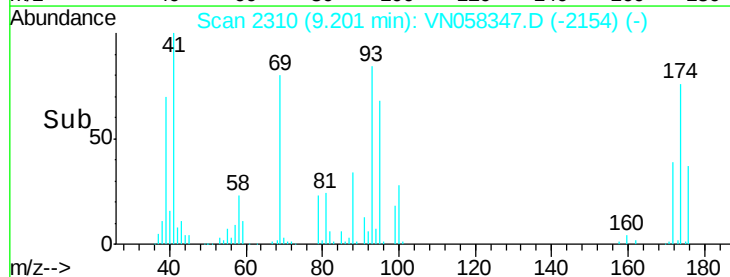
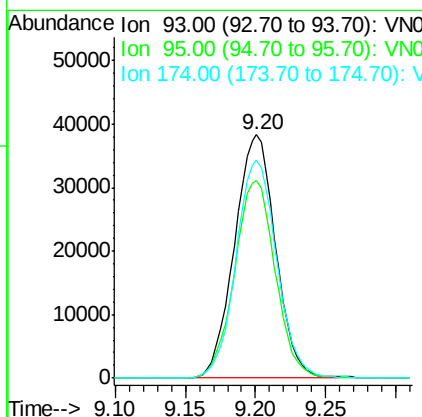
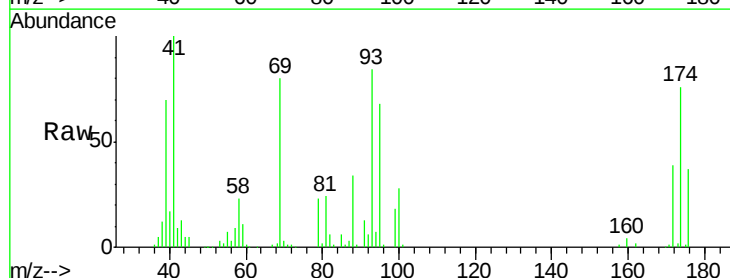
Manual Integrations
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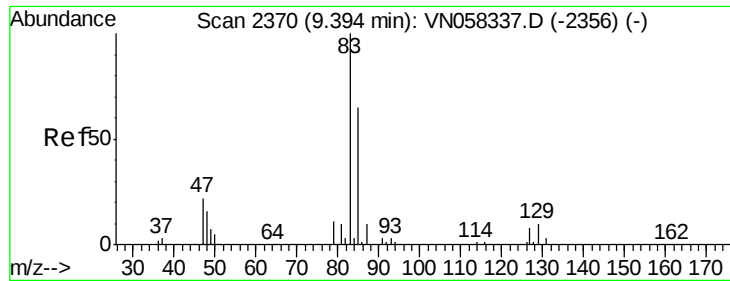
MMDadoda
 9/25/2019 8:24:13 AM



#40
 Dibromomethane
 Concen: 20.592 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion: 93 Resp: 78140
 Ion Ratio Lower Upper
 93 100
 95 80.3 0.0 166.8
 174 89.1 0.0 187.2





#41

Bromodichloromethane

Concen: 19.418 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

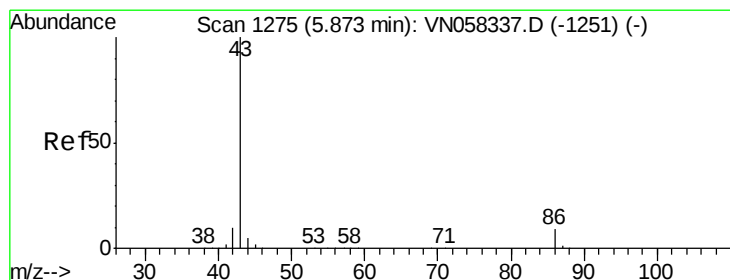
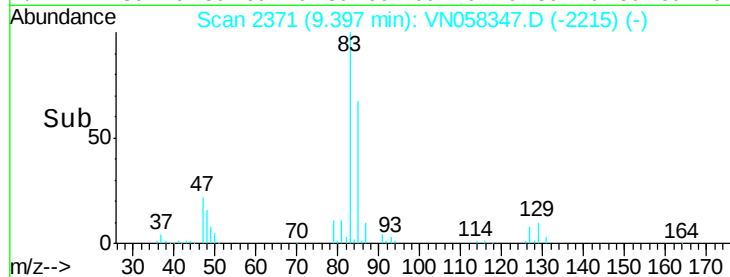
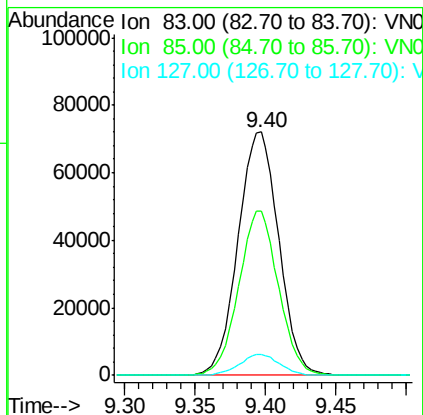
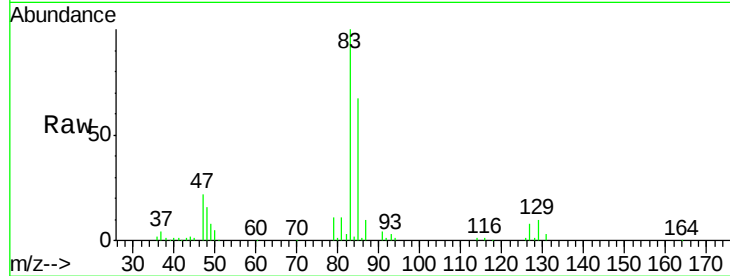
ClientSampleId :

VN0924WBSD01

Tot Ion:	83	Resp:	145644
Ion Ratio	Lower	Upper	
83	100		
85	67.5	52.0	78.0
127	8.4	6.1	9.1

Manual Integrations
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MMDadoda
9/25/2019 8:24:13 AM



#42

Vinyl Acetate

Concen: 109.172 ug/l

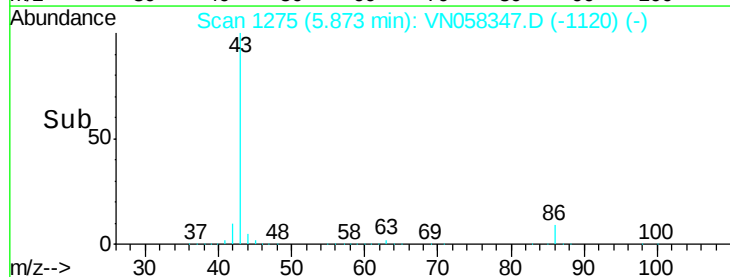
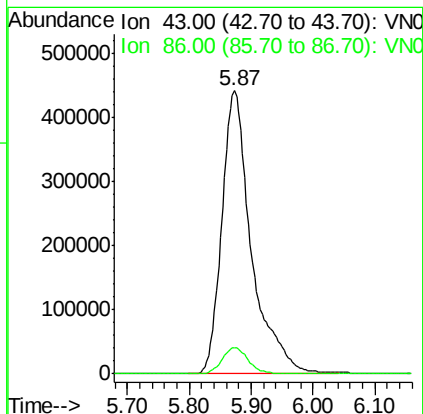
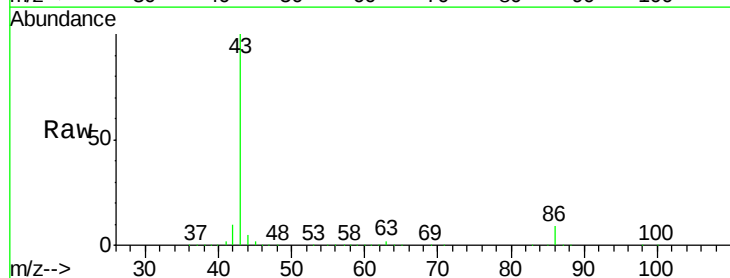
RT: 5.87 min Scan# 1275

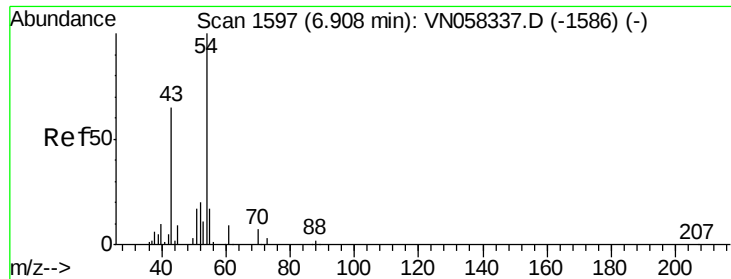
Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Tgt Ion:	43	Resp:	1470619
Ion Ratio	Lower	Upper	
43	100		
86	8.2	6.6	9.8





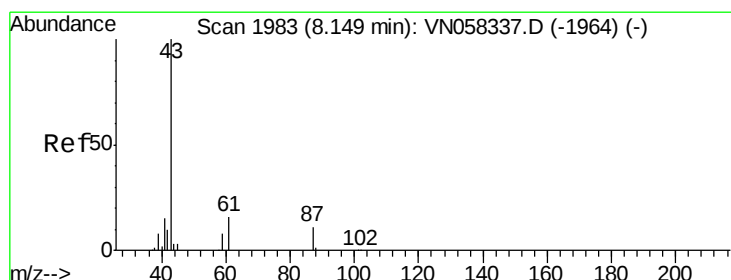
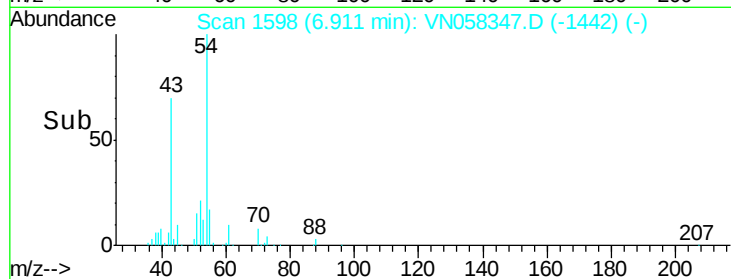
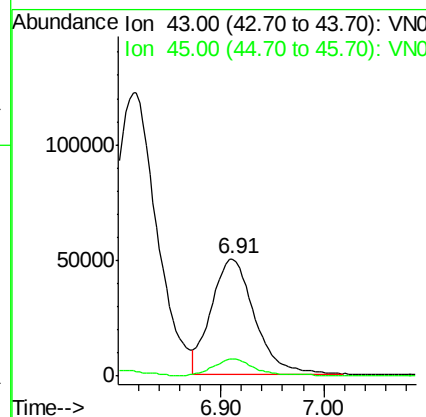
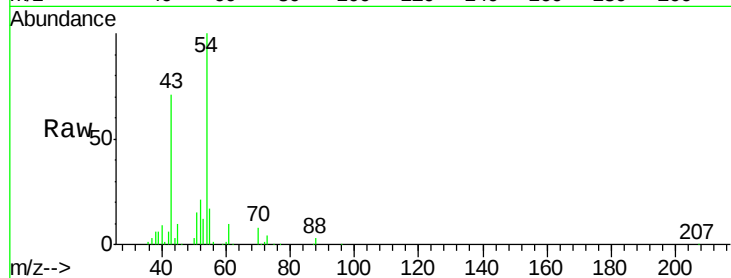
#43
Ethyl Acetate
Concen: 20.704 ug/l
RT: 6.91 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	43	Ratio	Lower	Upper
145032	100			
45	12.7	9.8	14.6	

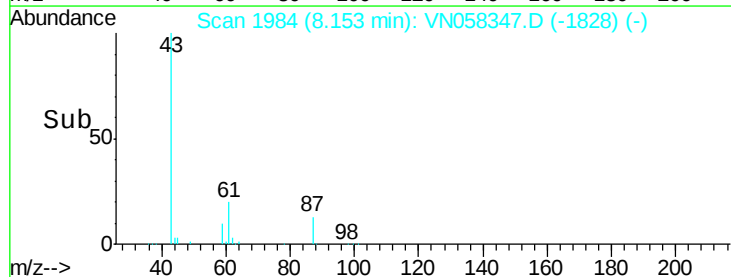
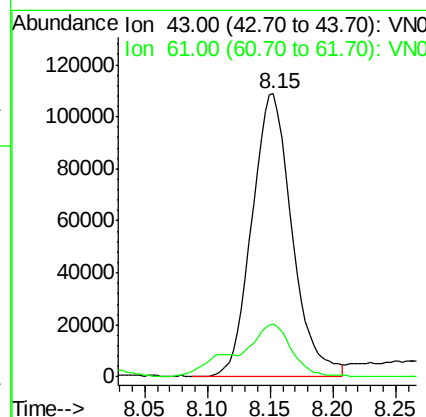
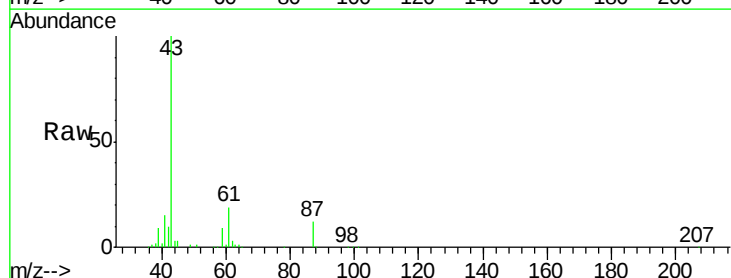
Manual Integrations
APPROVED

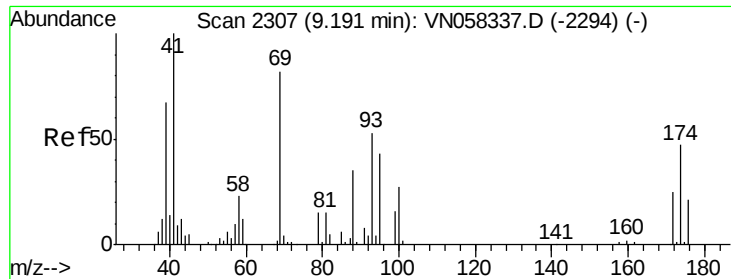
MMDadoda
9/25/2019 8:24:13 AM



#44
Isopropyl Acetate
Concen: 19.307 ug/l
RT: 8.15 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion	43	Ratio	Lower	Upper
242111	100			
61	17.2	14.4	21.6	





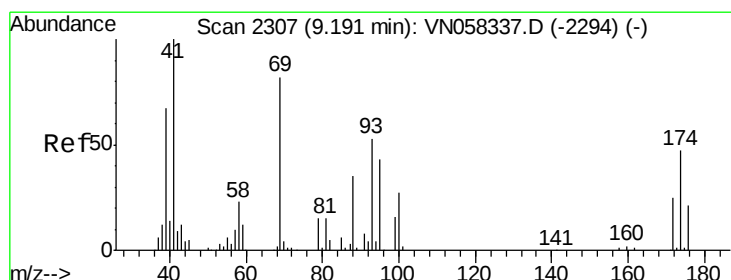
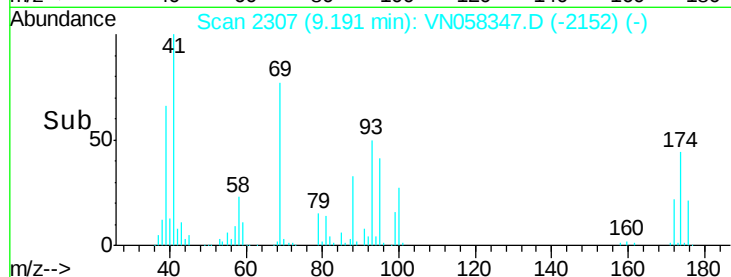
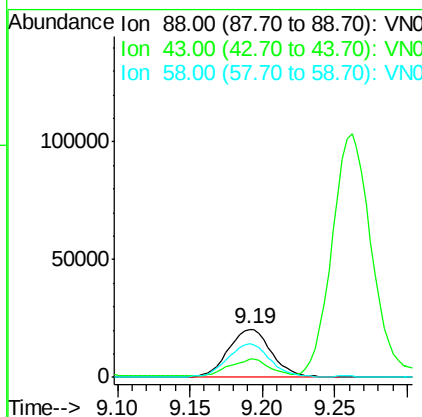
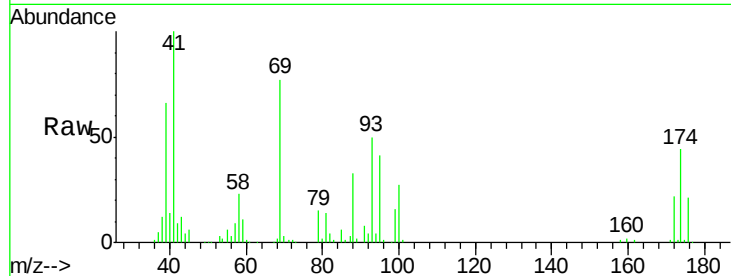
#45
 1,4-Dioxane
 Concen: 398.252 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.0	27.2	40.8
58	69.8	55.4	83.0

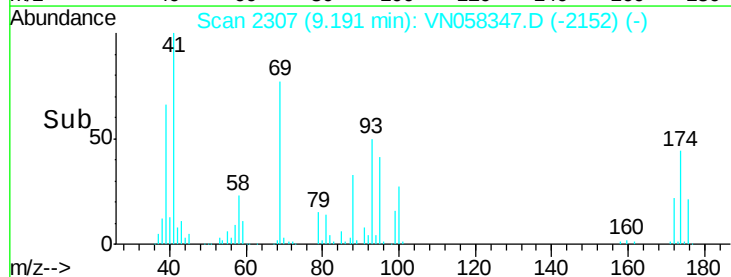
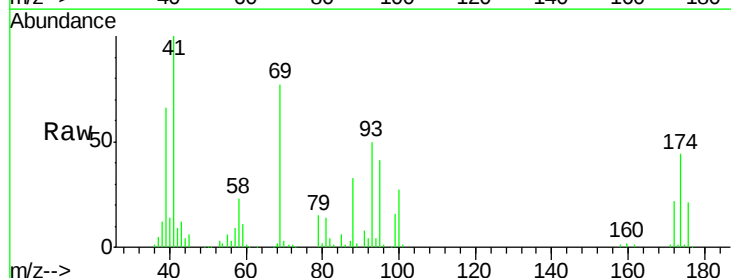
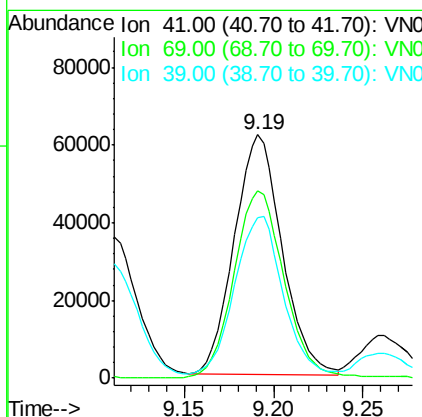
Manual Integrations
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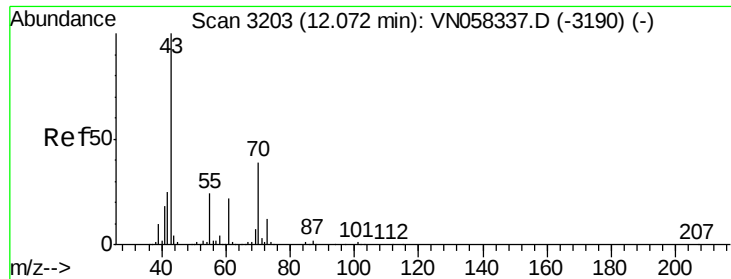
MMDadoda
 9/25/2019 8:24:13 AM



#46
 Methyl methacrylate
 Concen: 19.394 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion	Ratio	Lower	Upper
41	100		
69	77.6	40.9	122.7
39	65.4	33.6	100.6





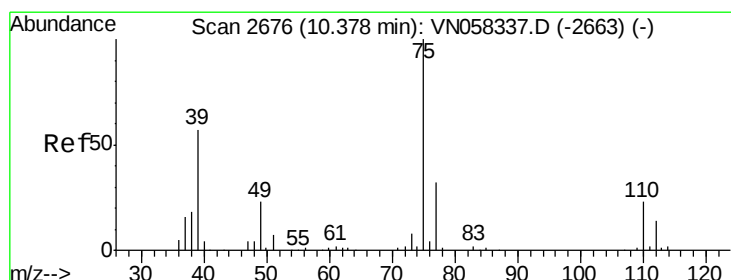
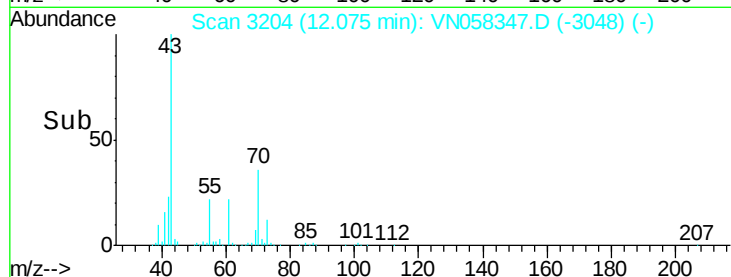
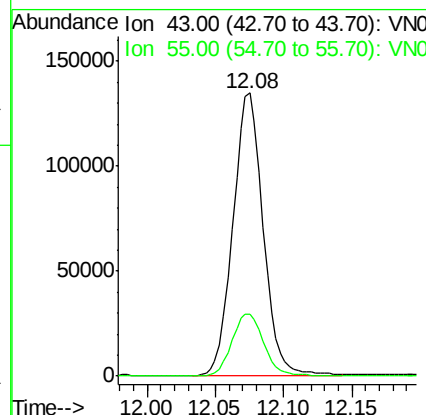
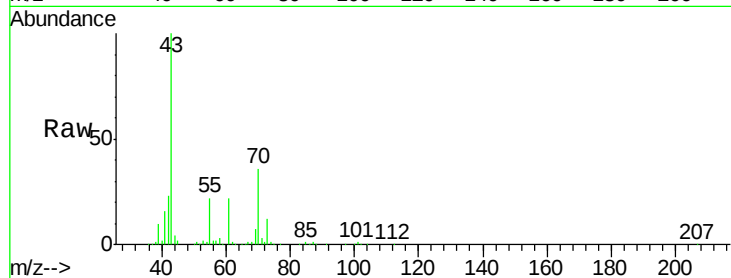
#47
n-amvl Acetate
Concen: 18.878 ug/l
RT: 12.08 min Scan# 3204
Delta R.T. 0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion: 43 Resp: 206052
Ion Ratio Lower Upper
43 100
55 23.6 19.0 28.4

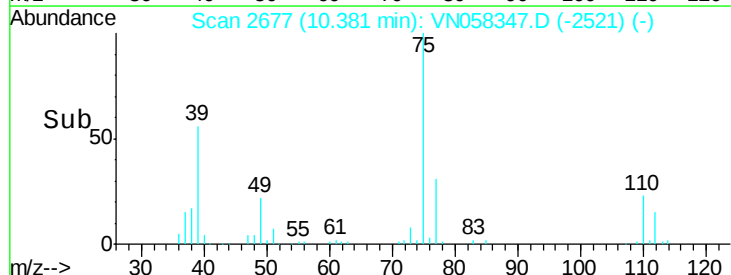
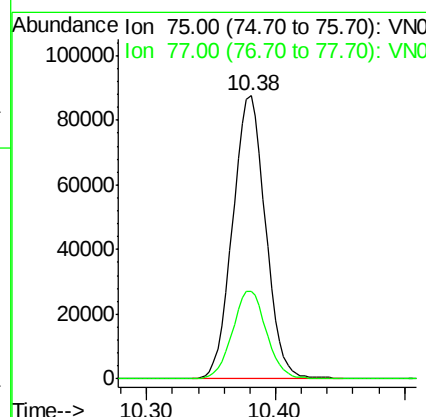
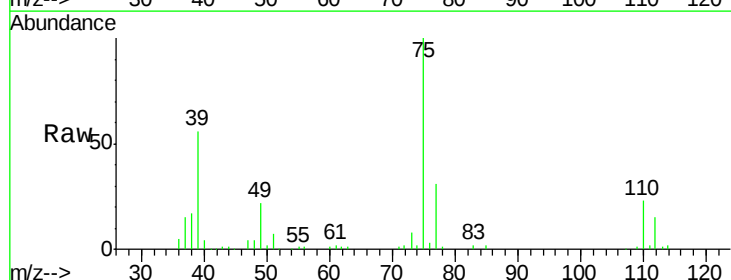
Manual Integrations
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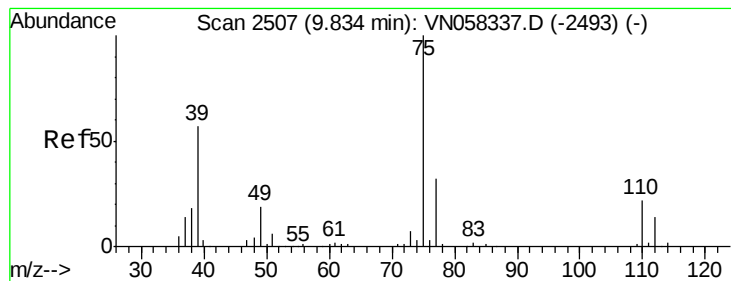
MMDadoda
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#48
t-1,3-Dichloropropene
Concen: 18.887 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion: 75 Resp: 154785
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.0





#49

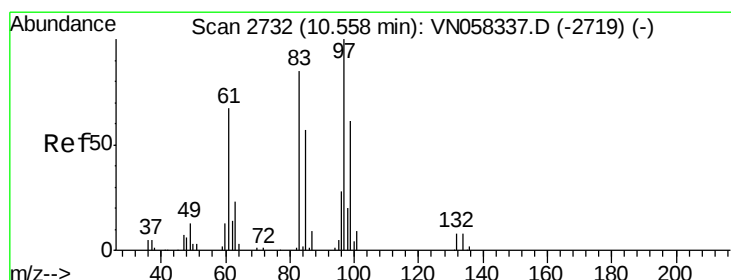
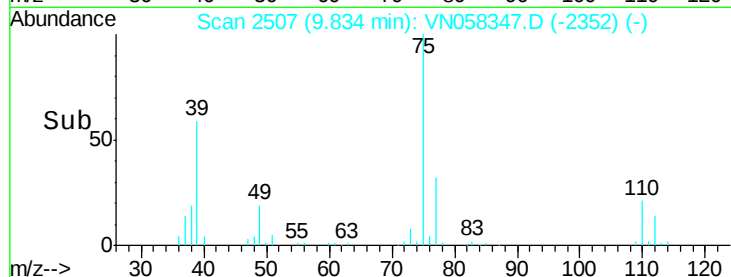
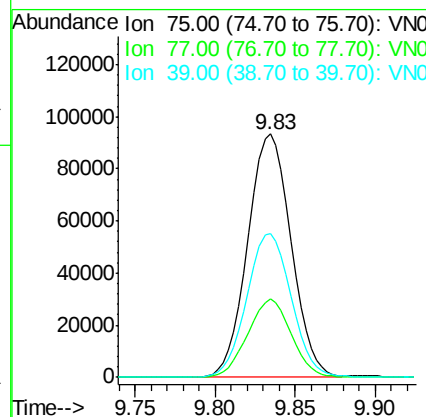
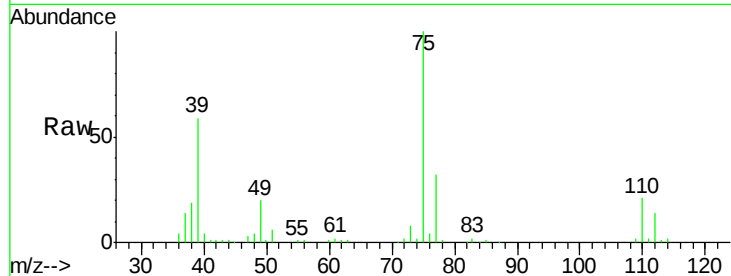
cis-1,3-Dichloropropene
Concen: 19.001 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.2	37.8
39	58.8	45.8	68.6

Manual Integrations
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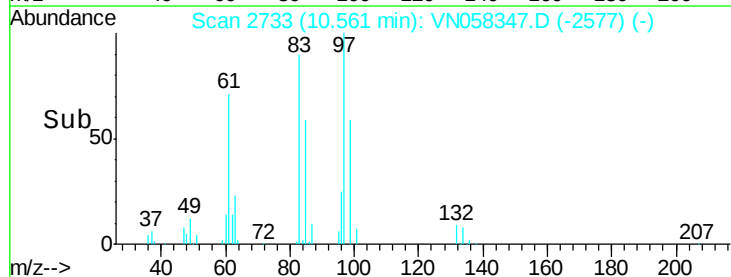
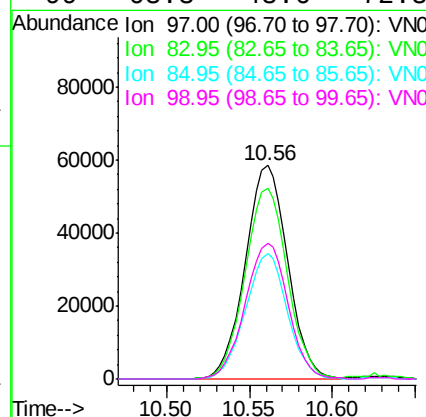
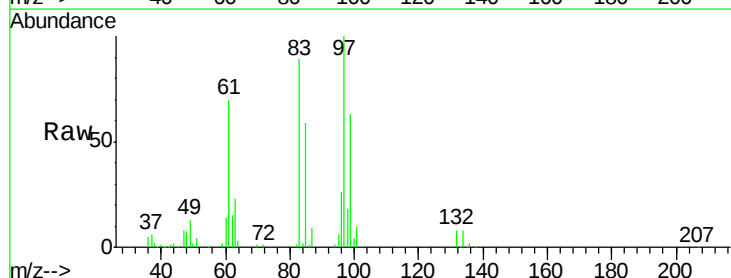
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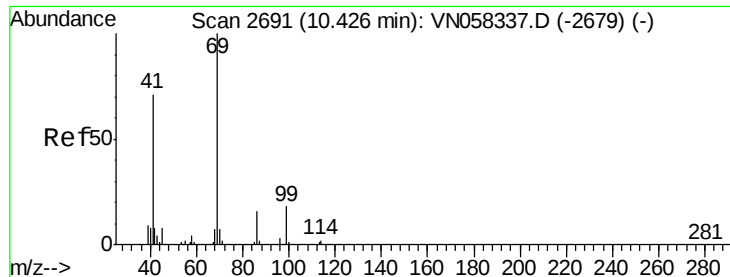


#50

1,1,2-Trichloroethane
Concen: 19.728 ug/l
RT: 10.56 min Scan# 2733
Delta R.T. 0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.1	67.8	101.6
85	58.8	45.8	68.6
99	63.3	48.6	72.8





#51

Ethyl methacrylate

Concen: 19.054 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

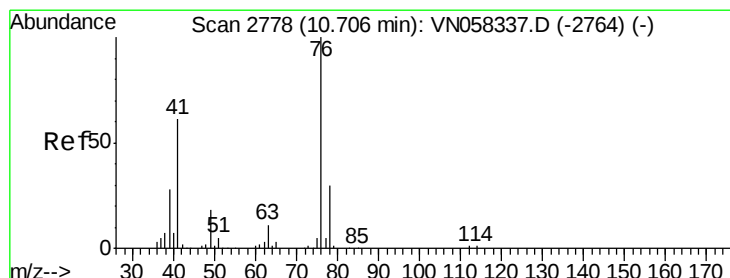
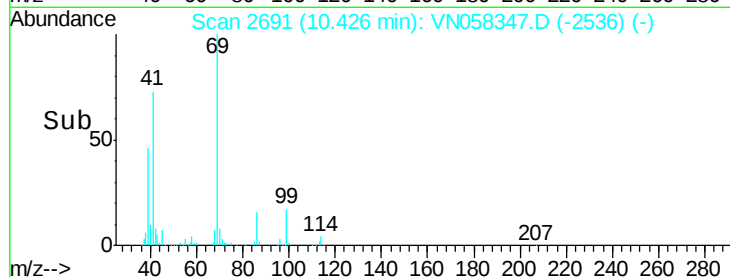
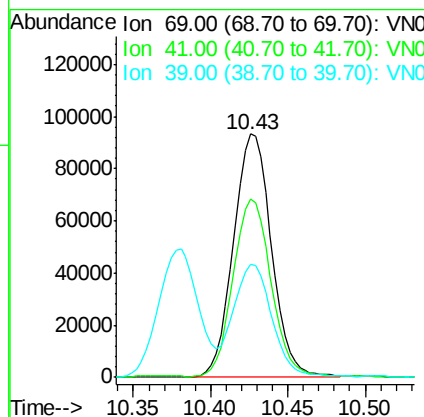
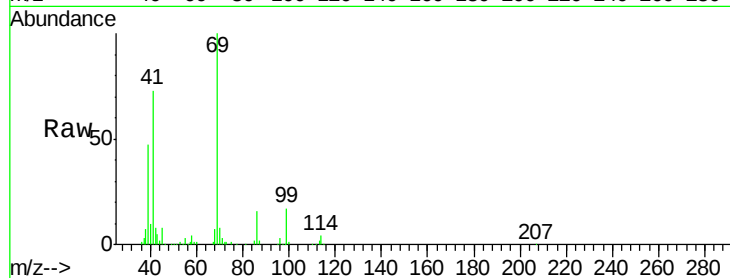
ClientSampleId :

VN0924WBSD01

Tot Ion:	69	Resp:	159877
Ion Ratio	Lower	Upper	
69	100		
41	72.8	35.4	106.1
39	45.9	23.5	70.5

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.185 ug/l

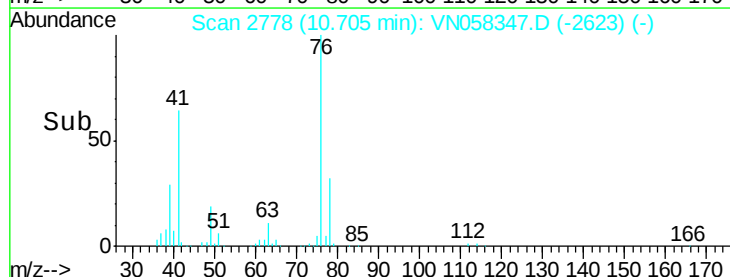
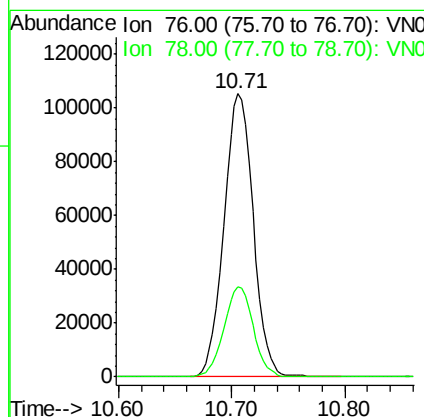
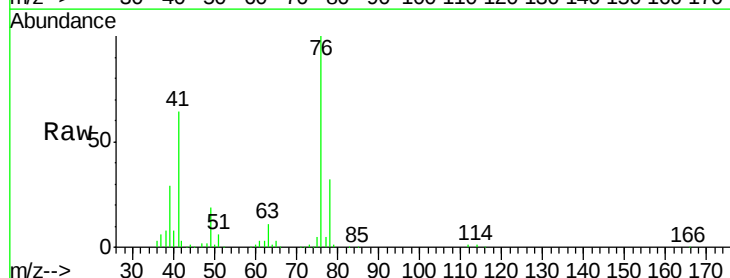
RT: 10.71 min Scan# 2778

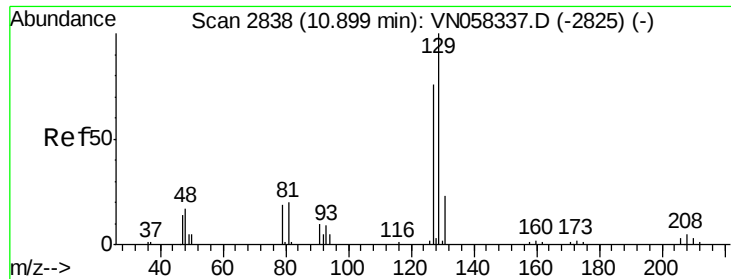
Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Tgt Ion:	76	Resp:	190115
Ion Ratio	Lower	Upper	
76	100		
78	31.8	0.0	63.0





#53

Dibromochloromethane

Concen: 18.624 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

Tot Ion:129 Resp: 99224

Ion Ratio Lower Upper

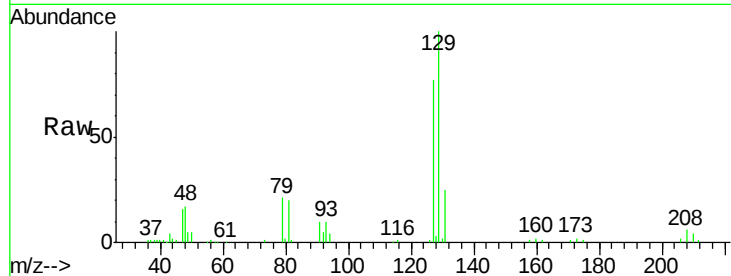
129 100

127 78.1 38.4 115.2

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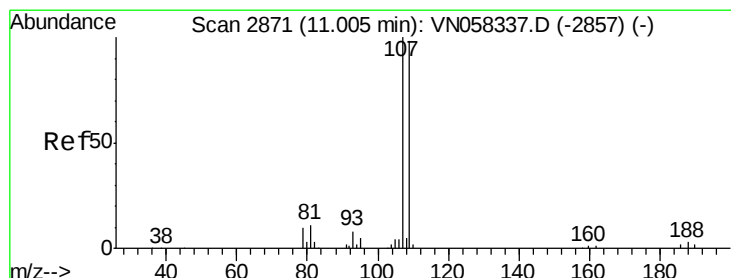
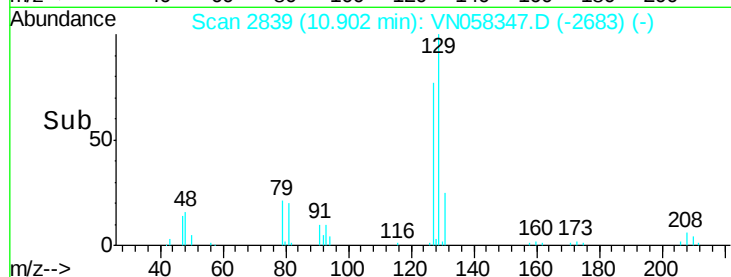
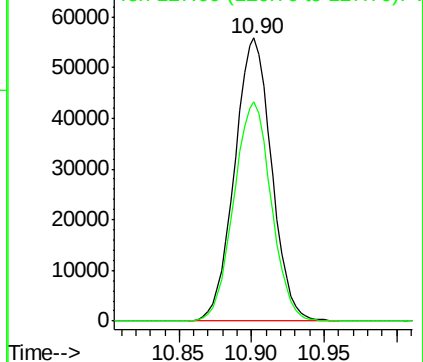
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.041 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN058347.D

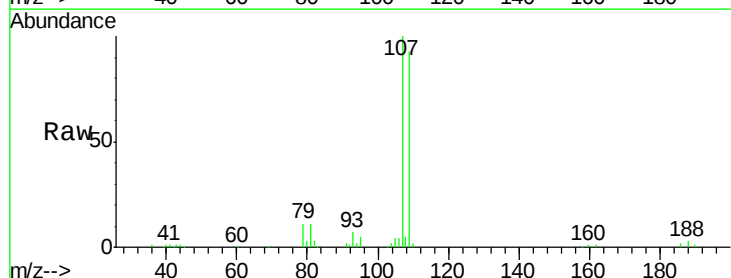
Acq: 24 Sep 2019 15:46

Tgt Ion:107 Resp: 108457

Ion Ratio Lower Upper

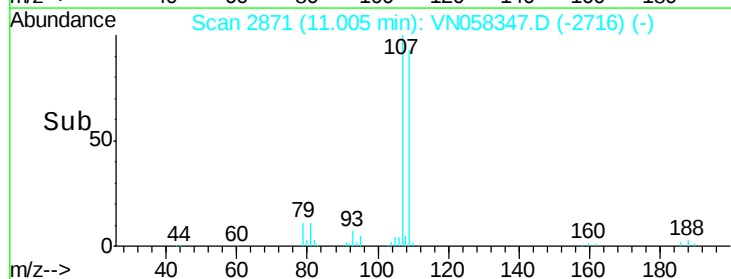
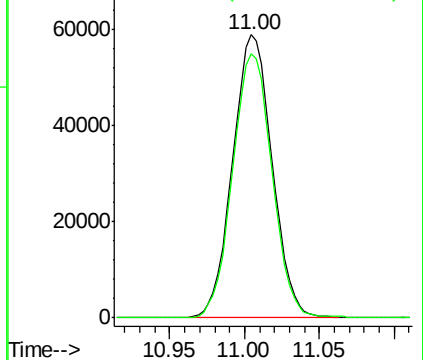
107 100

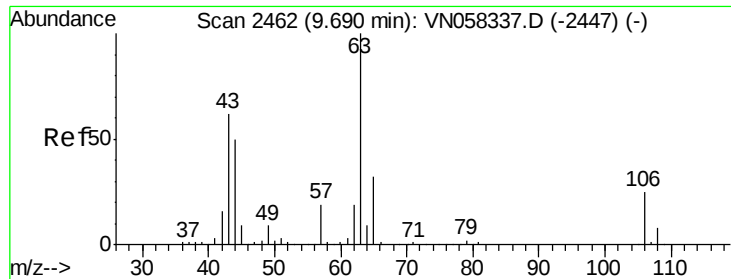
109 93.4 76.5 114.7



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





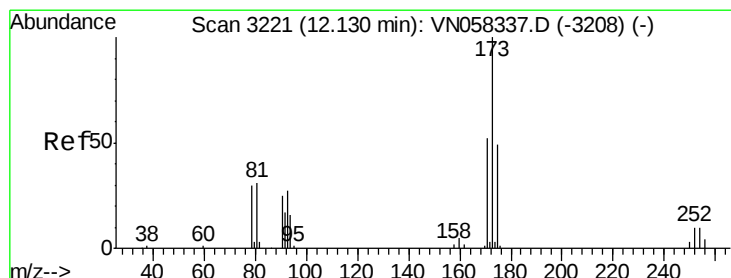
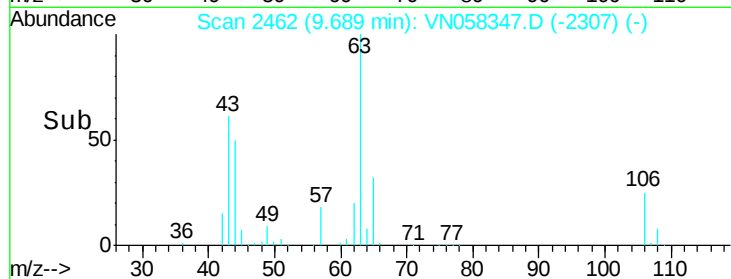
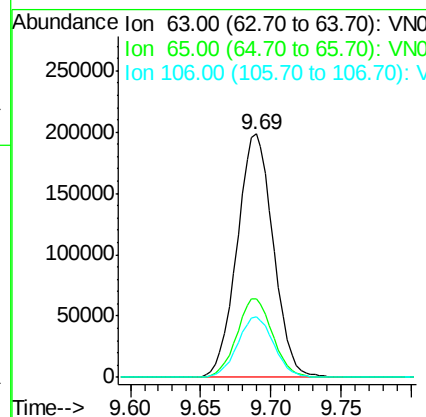
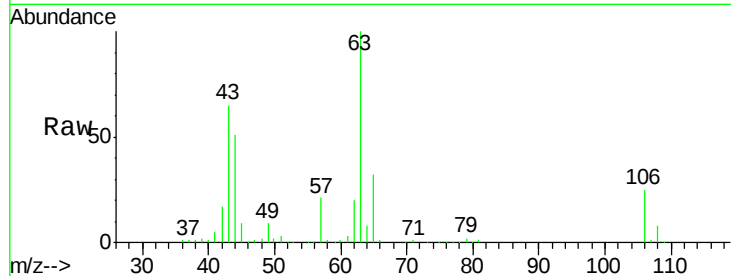
#55
2-Chloroethyl vinyl ether
Concen: 100.365 ug/l
RT: 9.69 min Scan# 2462
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.4	38.2
106	24.8	20.4	30.6

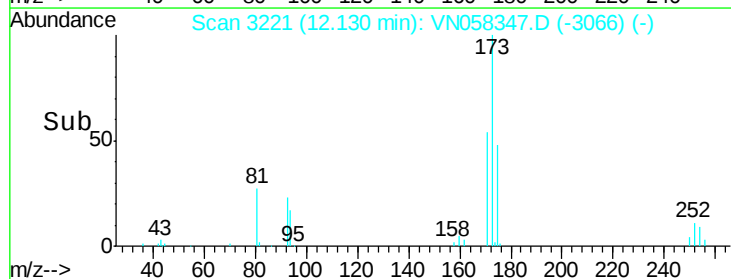
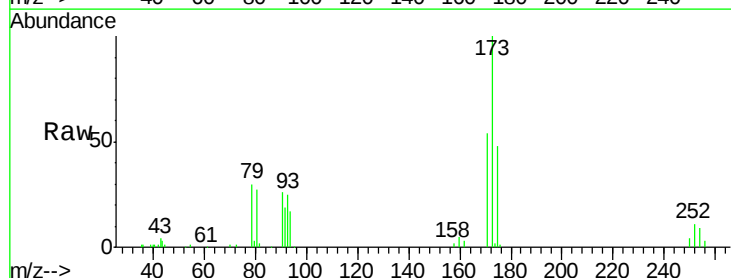
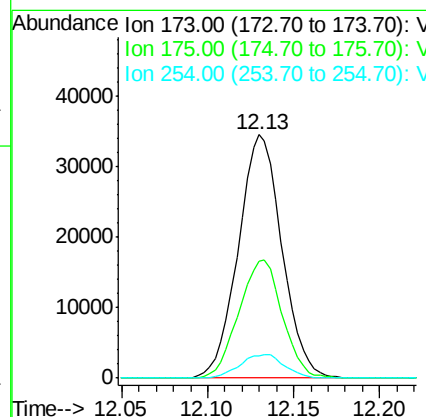
Manual Integrations
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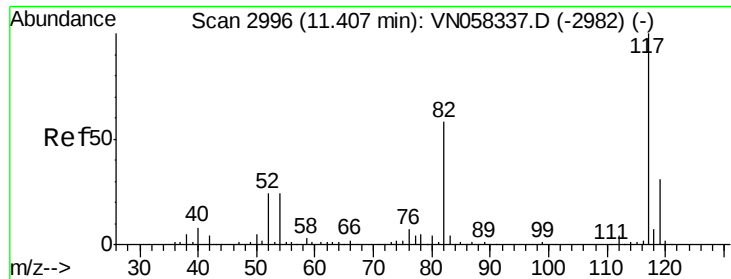
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#56
Bromoform
Concen: 18.051 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.4	38.8	58.2
254	9.8	7.8	11.8





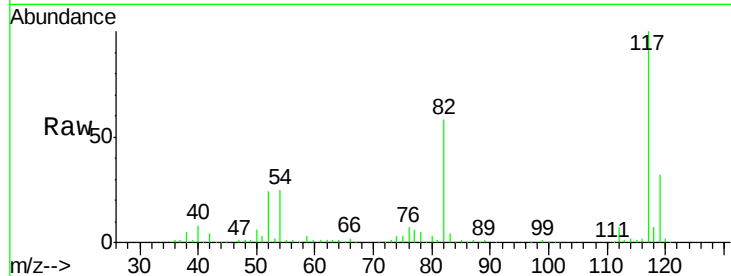
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

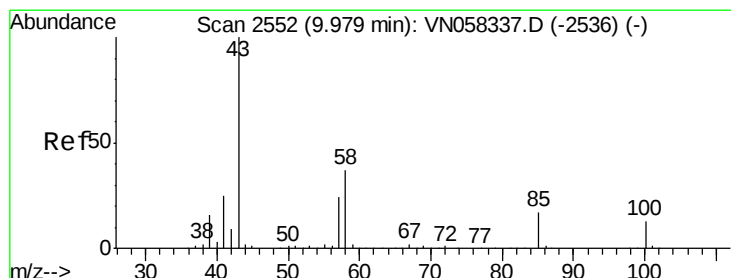
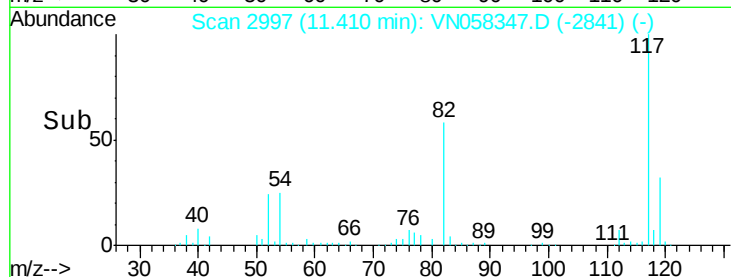
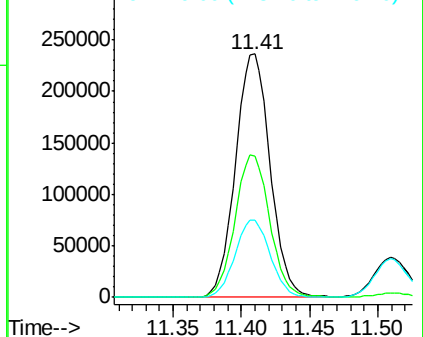
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.6	46.4	69.6
119	32.3	25.1	37.7

Manual Integrations
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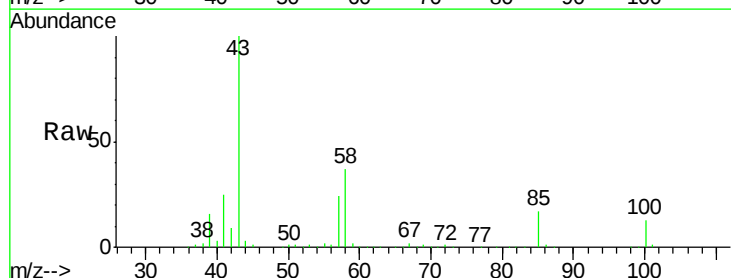


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): V
Ion 119.00 (118.70 to 119.70): V

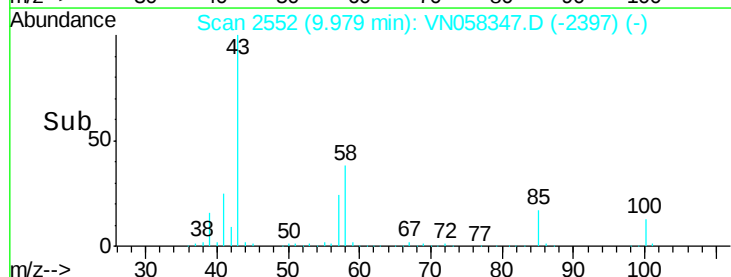
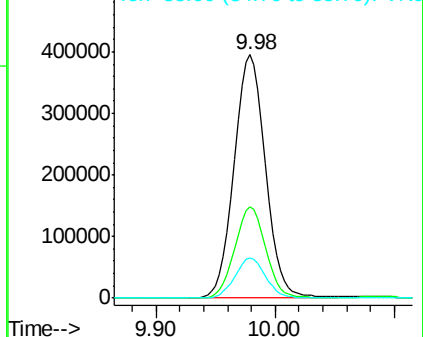


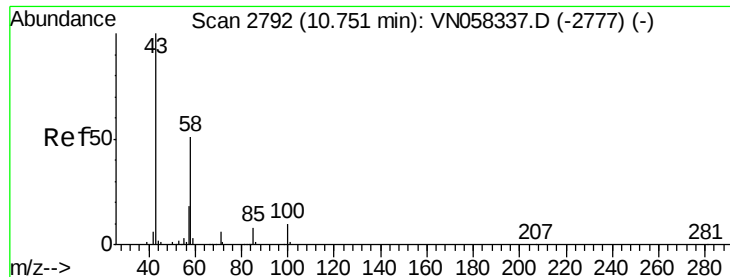
#58
4-Methyl-2-Pentanone
Concen: 110.089 ug/l
RT: 9.98 min Scan# 2552
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.3	29.3	43.9
85	16.3	13.1	19.7



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 58.00 (57.70 to 58.70): V
Ion 85.00 (84.70 to 85.70): V





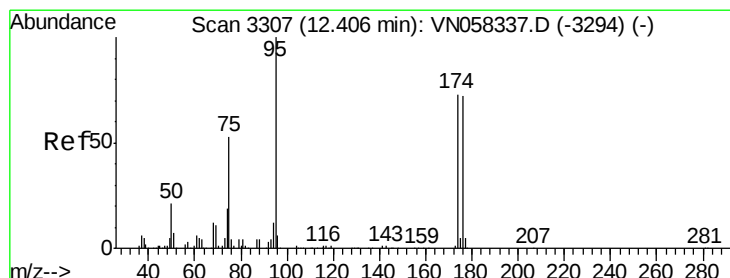
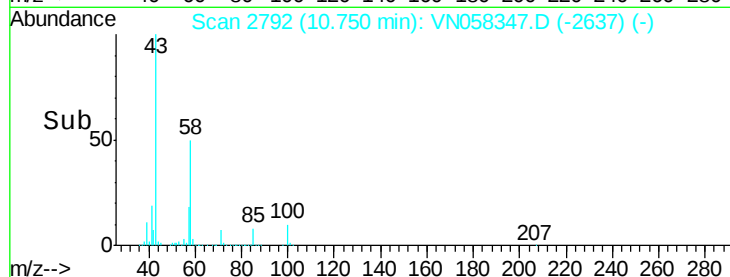
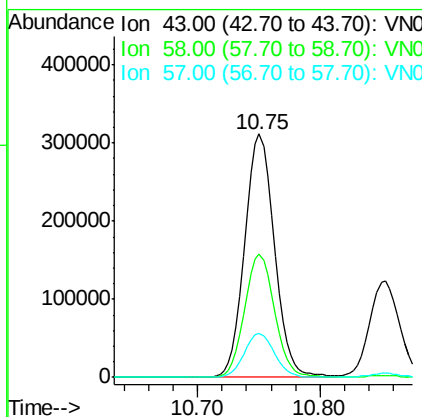
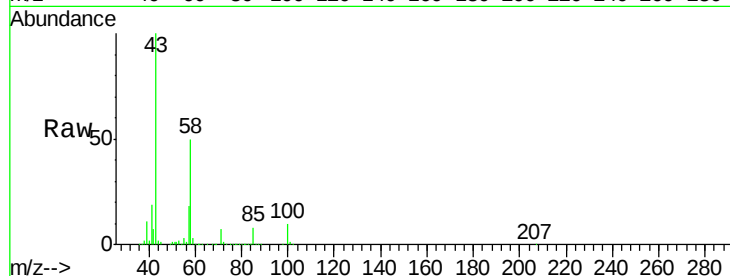
#59
2-Hexanone
Concen: 105.126 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion:	43	Resp:	520406
Ion Ratio	Lower	Upper	
43	100		
58	51.3	40.7	61.1
57	18.3	14.7	22.1

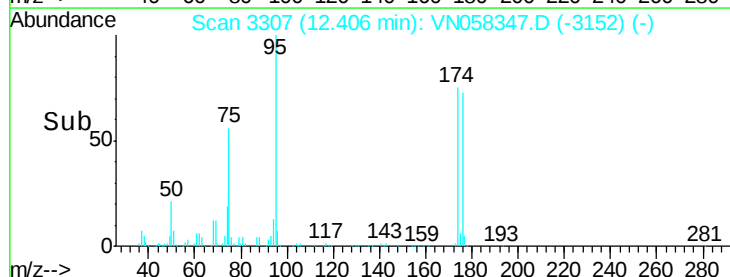
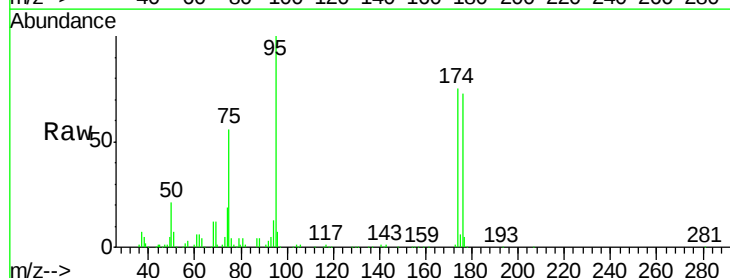
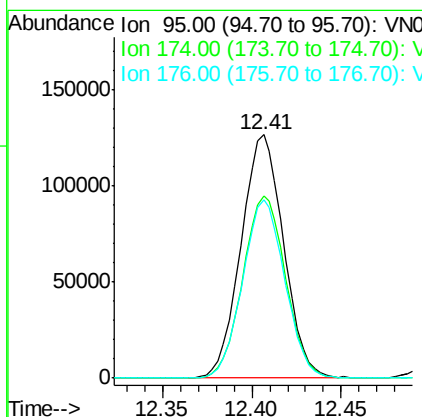
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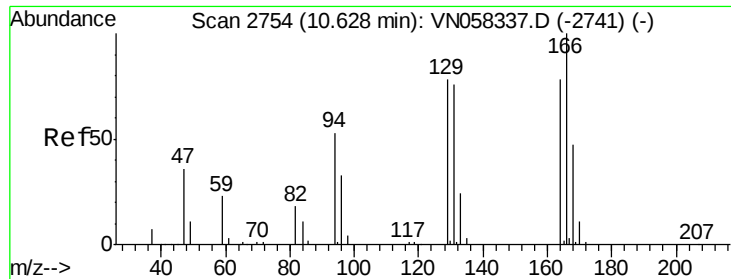
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 29.244 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion:	95	Resp:	211465
Ion Ratio	Lower	Upper	
95	100		
174	75.6	59.0	88.6
176	72.6	58.2	87.2





#61

Tetrachloroethene

Concen: 20.486 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

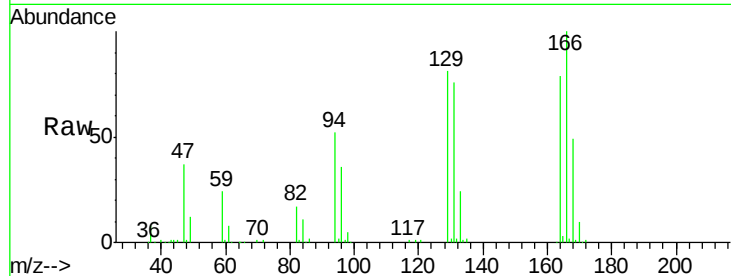
ClientSampleId :

VN0924WBSD01

Tot Ion:	164	Resp:	89693
Ion	Ratio	Lower	Upper
164	100		
166	126.2	102.6	154.0
129	101.6	79.8	119.6
131	95.6	78.1	117.1

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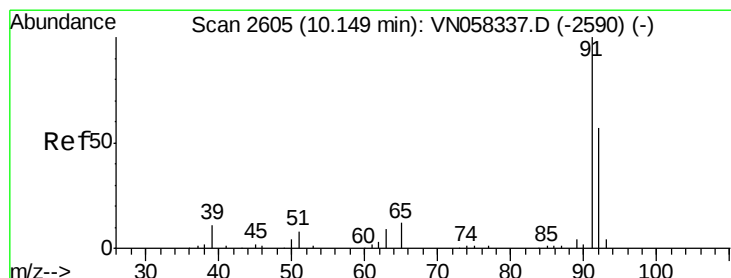
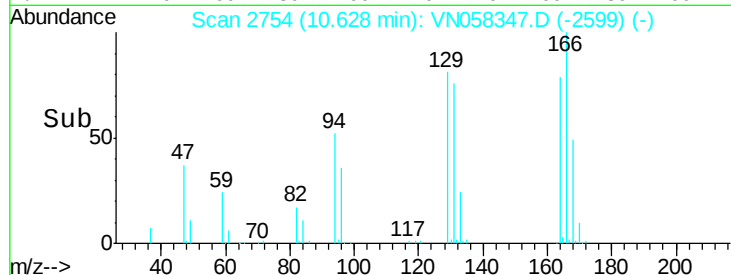
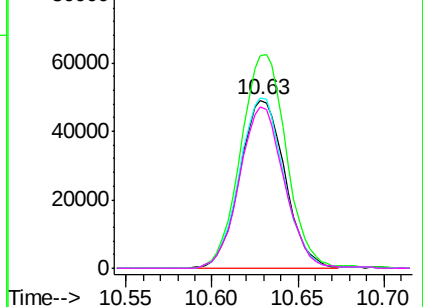


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.869 ug/l

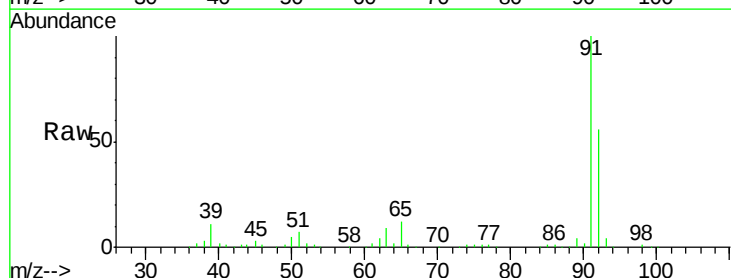
RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058347.D

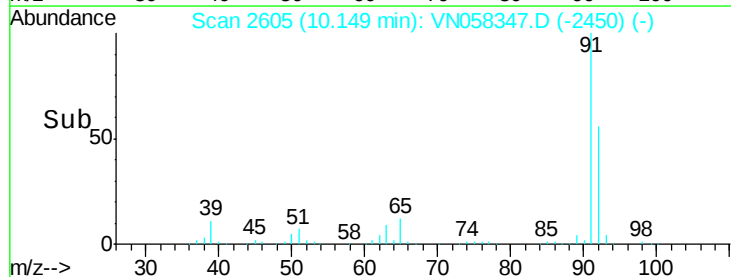
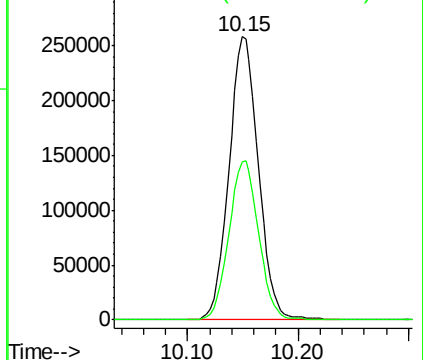
Acq: 24 Sep 2019 15:46

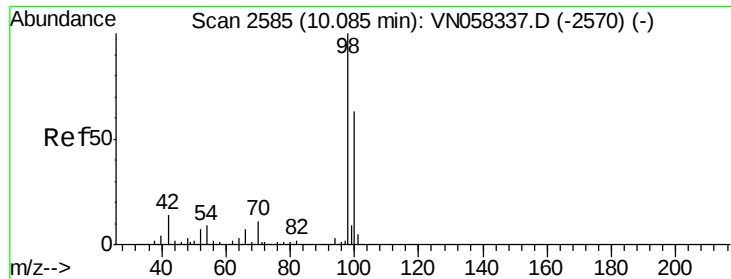
Tgt Ion:	91	Resp:	477640
Ion	Ratio	Lower	Upper
91	100		
92	56.8	45.5	68.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.620 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

Tot Ion: 98 Resp: 610691

Ion Ratio Lower Upper

98 100

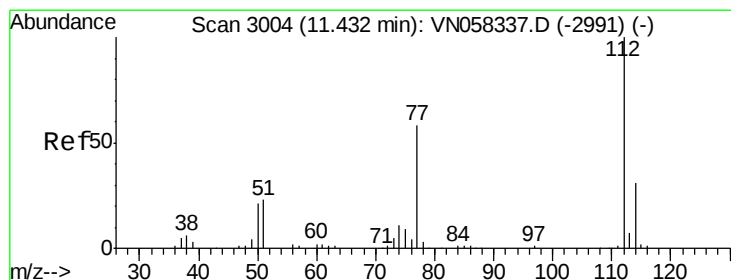
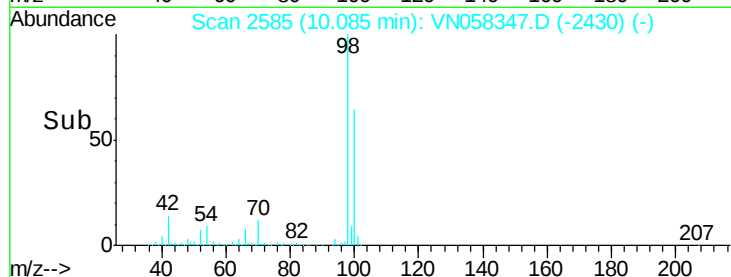
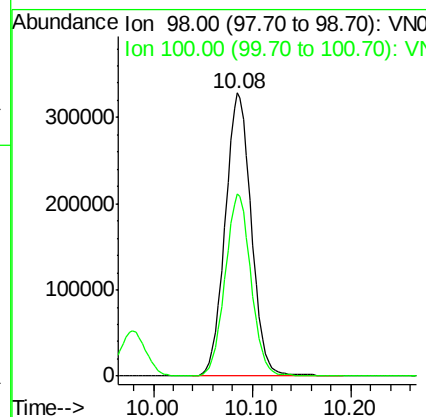
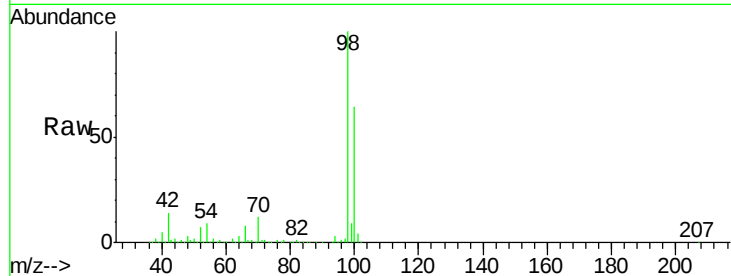
100 63.1 50.2 75.2

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#64

Chlorobenzene

Concen: 20.290 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058347.D

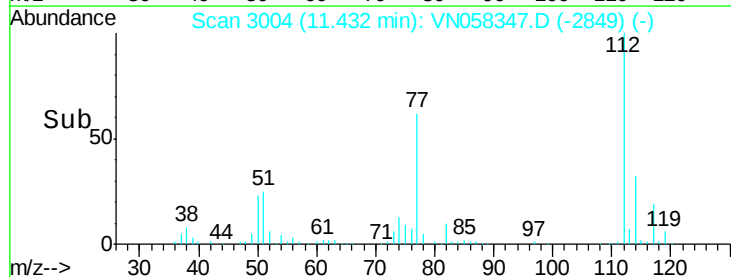
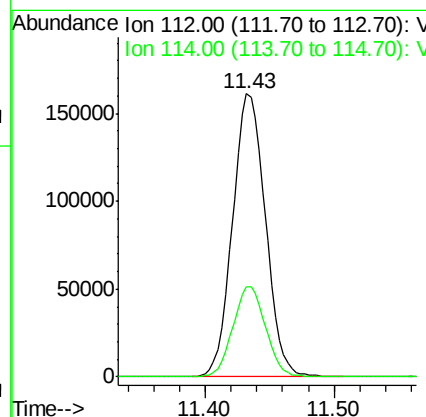
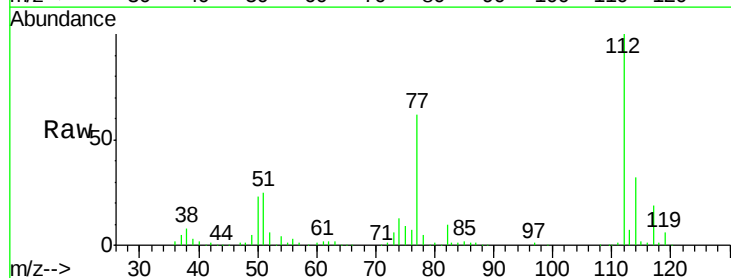
Acq: 24 Sep 2019 15:46

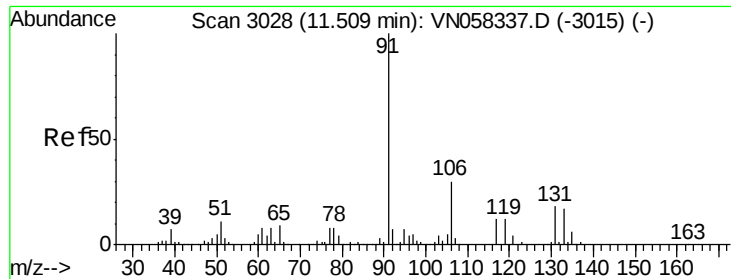
Tgt Ion: 112 Resp: 285384

Ion Ratio Lower Upper

112 100

114 31.7 25.1 37.7





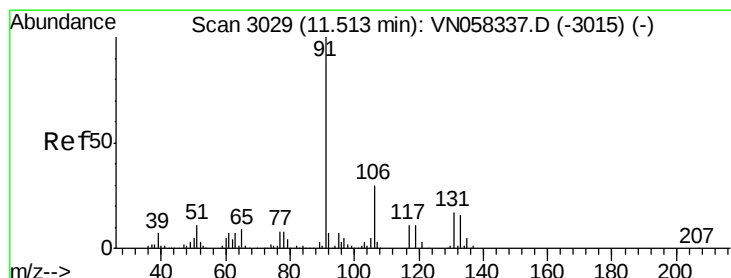
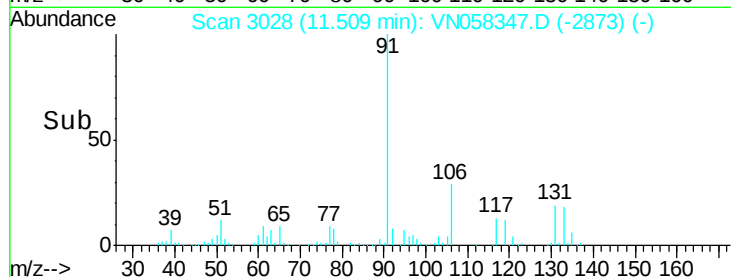
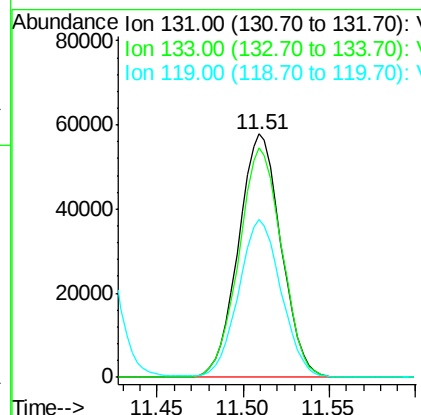
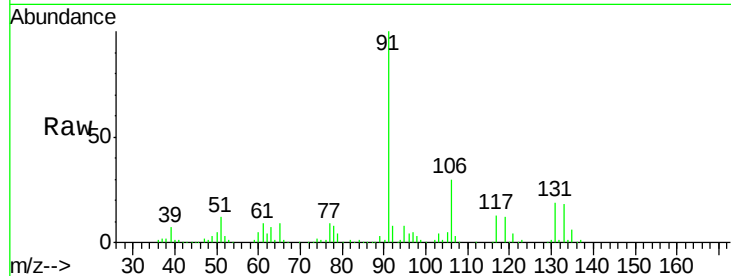
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.188 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	99538		
133	94.7	0.0	191.8	
119	64.7	0.0	134.2	

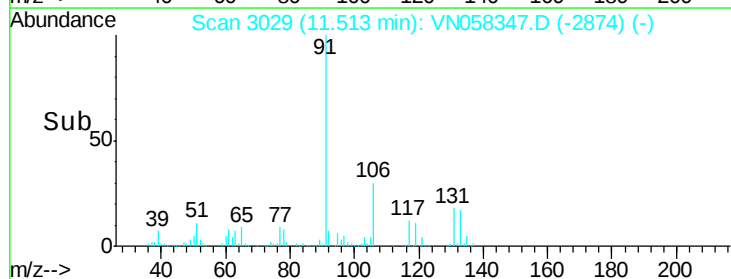
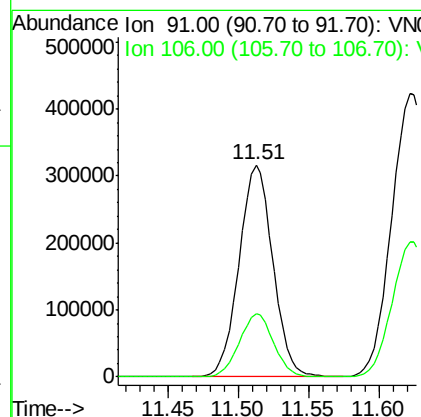
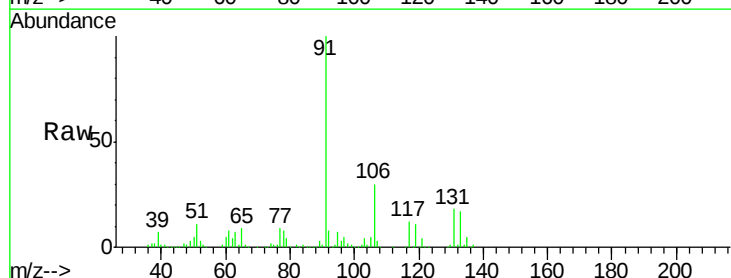
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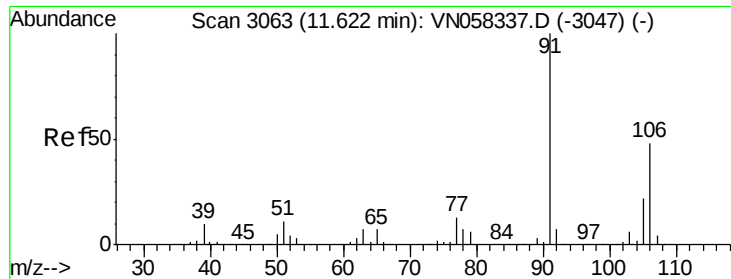
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#66
 Ethyl Benzene
 Concen: 21.317 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	532000		
106	30.1	24.2	36.4	





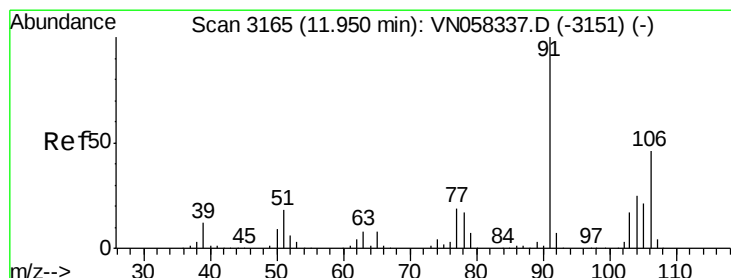
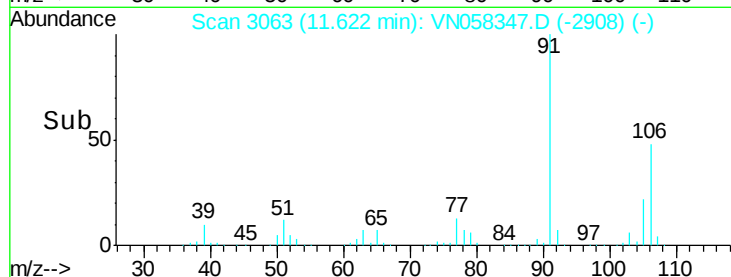
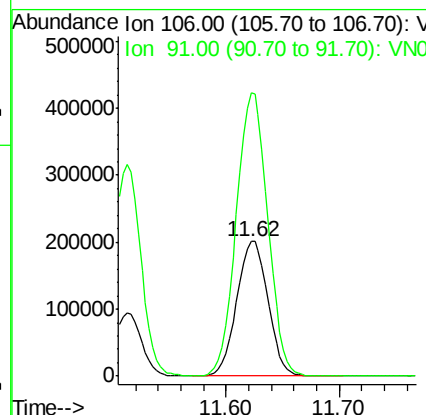
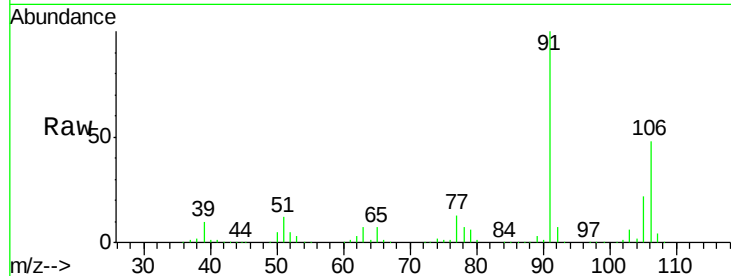
#67
m/p-Xylenes
Concen: 40.561 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion:106 Resp: 388636
Ion Ratio Lower Upper
106 100
91 210.2 167.8 251.6

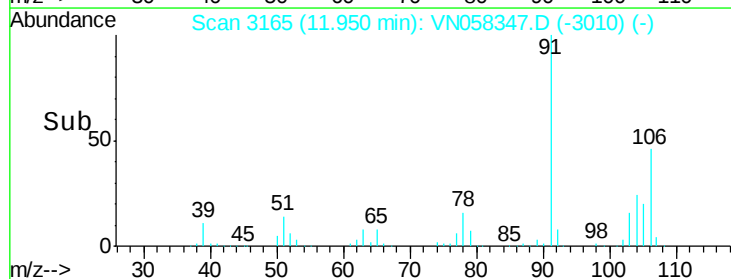
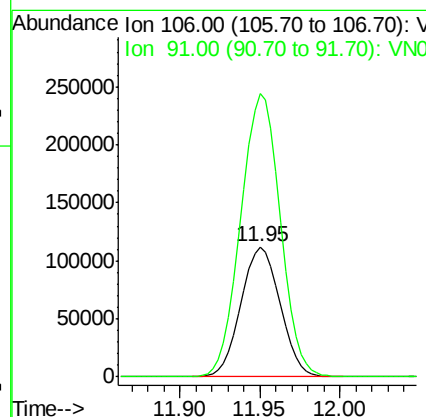
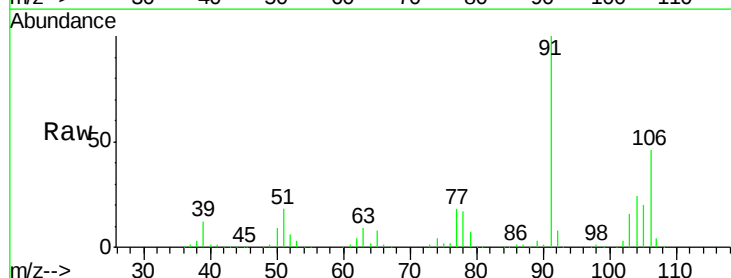
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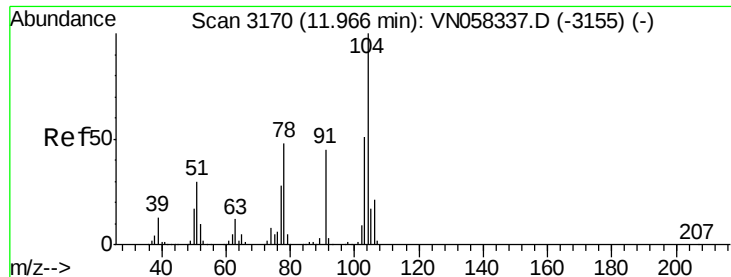
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#68
o-Xylene
Concen: 20.072 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion:106 Resp: 187009
Ion Ratio Lower Upper
106 100
91 220.6 108.7 325.9





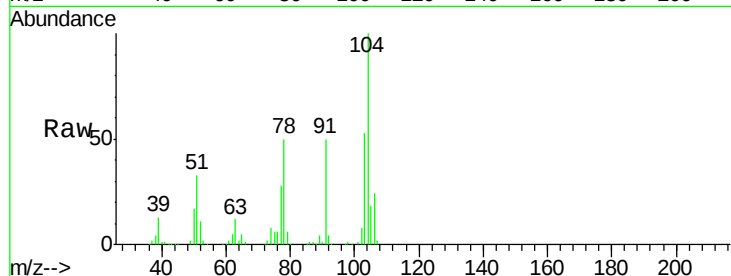
#69
Stvrene
Concen: 19.903 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
104	100		310093		
78	54.8	42.3	63.5		
103	55.8	44.1	66.1		

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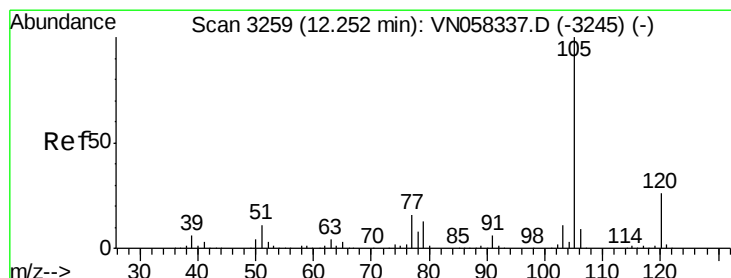
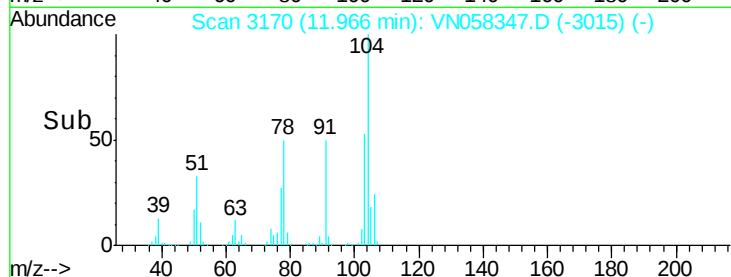
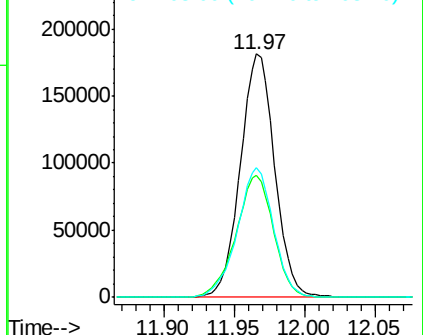


Abundance

Ion 104.00 (103.70 to 104.70): V

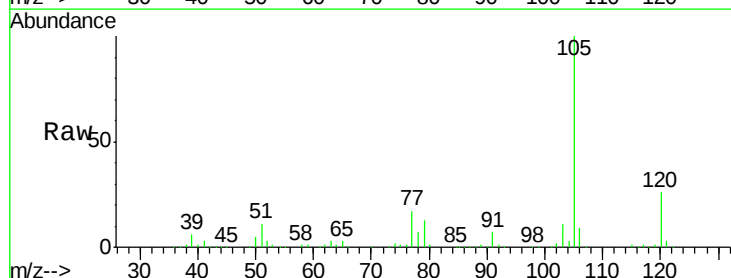
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 20.988 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

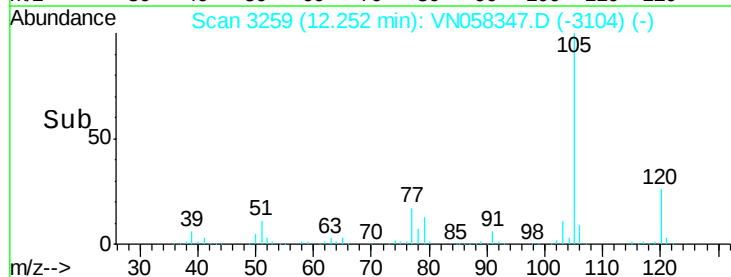
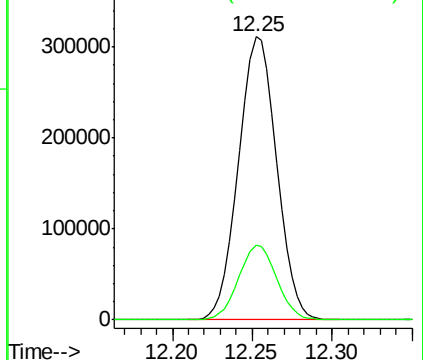
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		506742		
120	26.3	18.2	33.8		

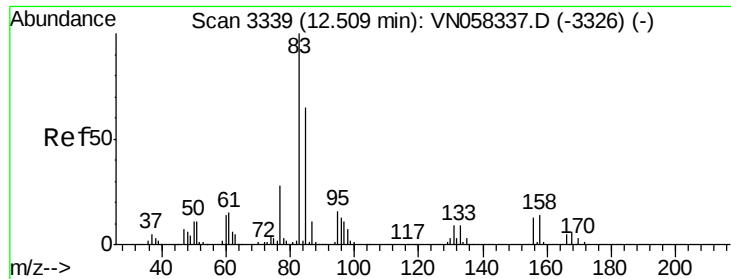


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





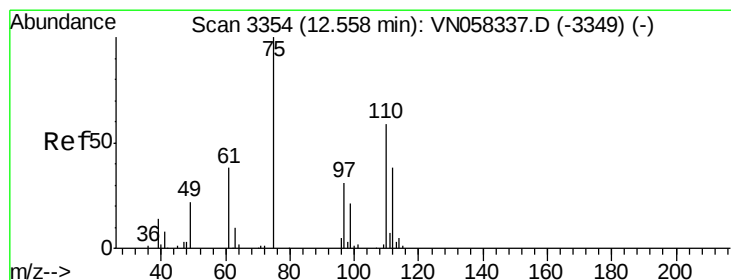
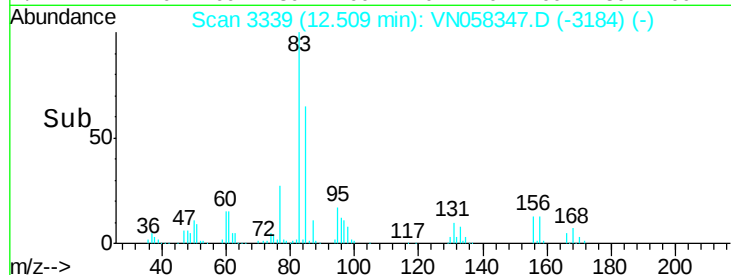
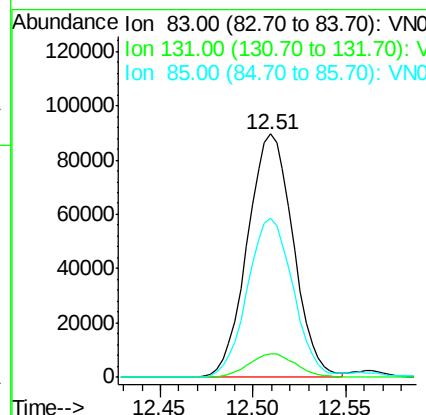
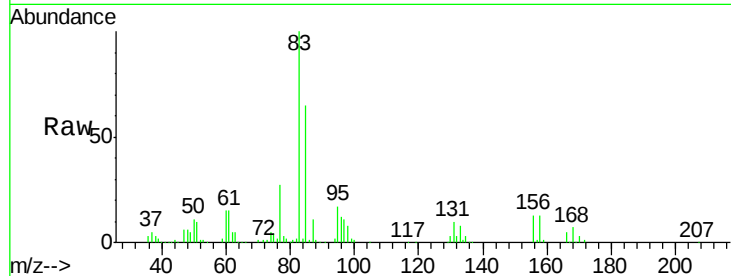
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.989 ug/l
 RT: 12.51 min Scan# 3339
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	153392		
131	10.0	4.8	14.3	
85	65.3	32.6	97.7	

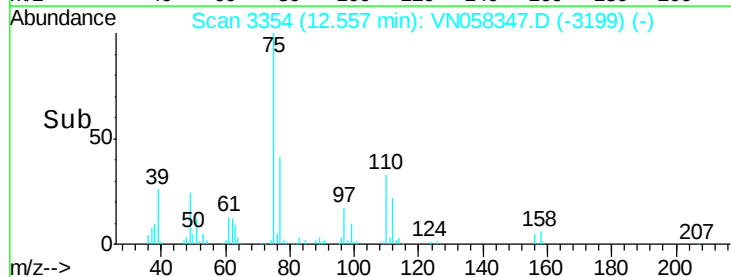
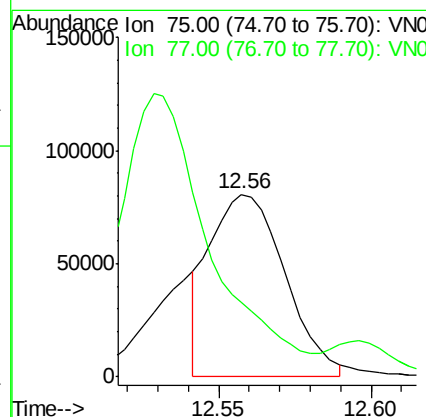
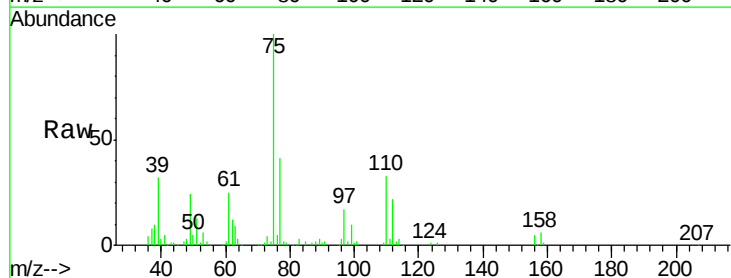
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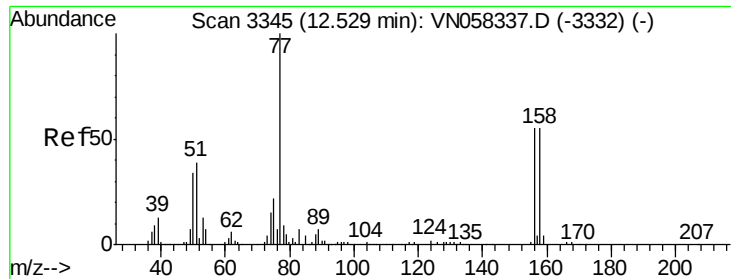
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#72
 1,2,3-Trichloropropane
 Concen: 20.896 ug/l m
 RT: 12.56 min Scan# 3354
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	137901		
77	188.8	0.0	382.4	





#73

Bromobenzene

Concen: 19.928 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

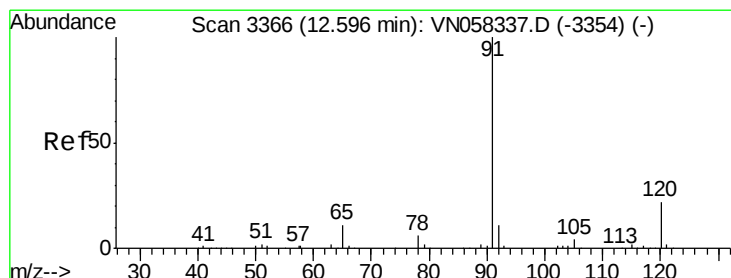
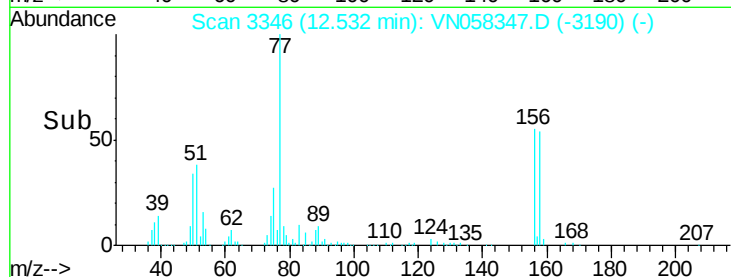
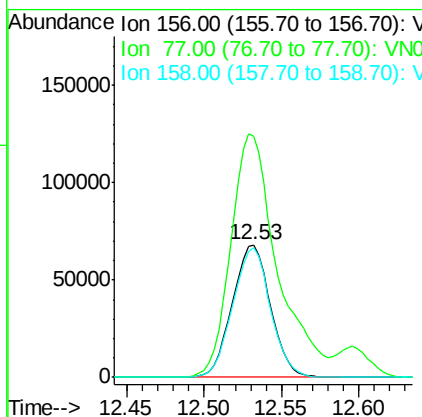
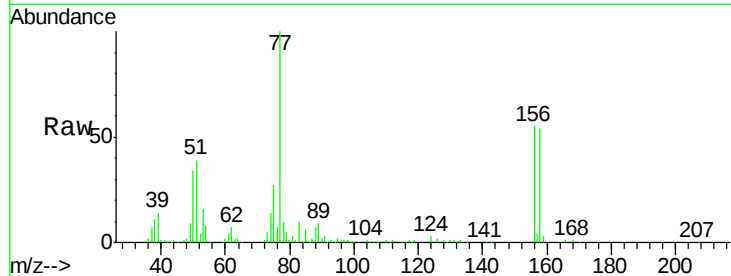
ClientSampleId :

VN0924WBSD01

Tot Ion:	156	Resp:	116539
Ion Ratio	Lower	Upper	
156	100		
77	223.4	0.0	438.8
158	96.6	0.0	195.6

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#74

n-propylbenzene

Concen: 21.709 ug/l

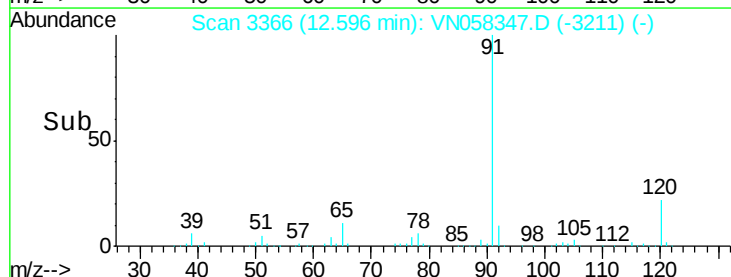
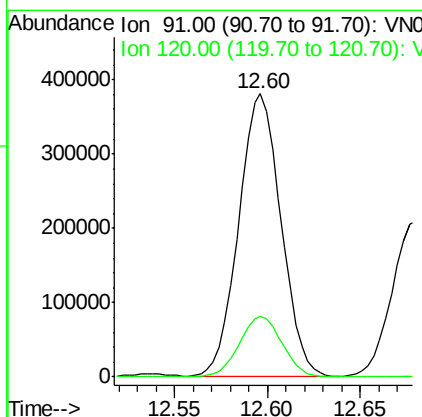
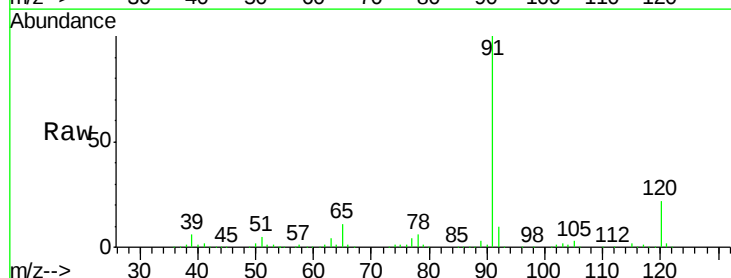
RT: 12.60 min Scan# 3366

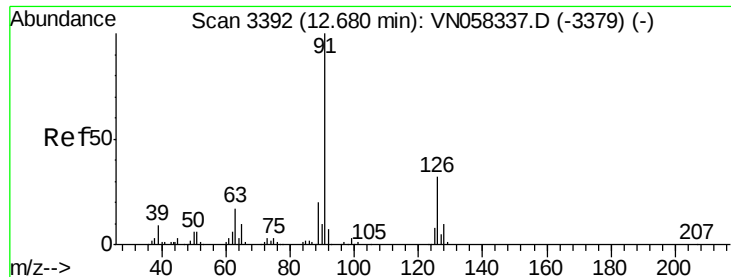
Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Tgt Ion:	91	Resp:	604263
Ion Ratio	Lower	Upper	
91	100		
120	21.7	0.0	44.0





#75

2-Chlorotoluene

Concen: 20.099 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

Tot Ion: 91 Resp: 349944

Ion Ratio Lower Upper

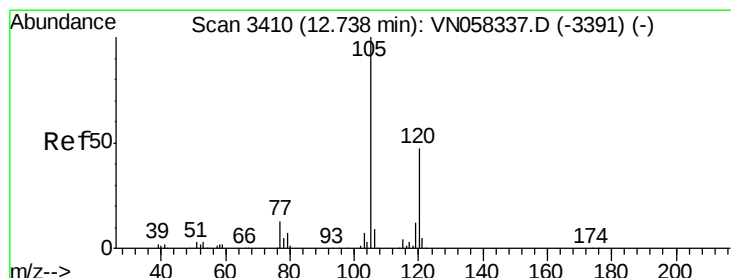
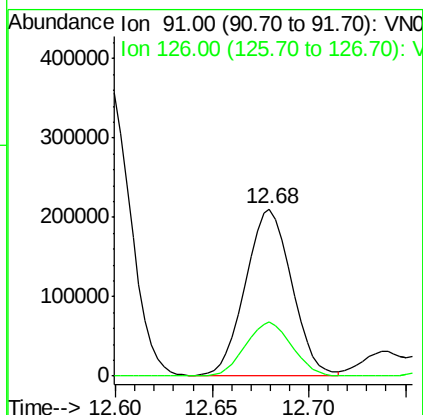
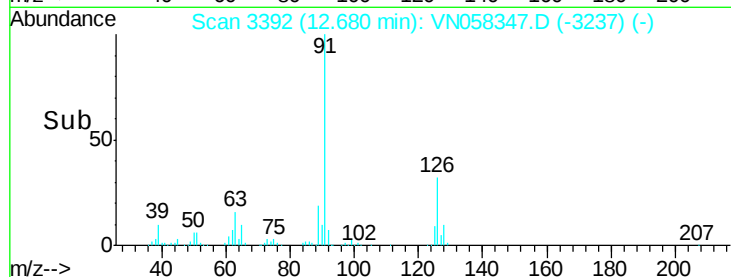
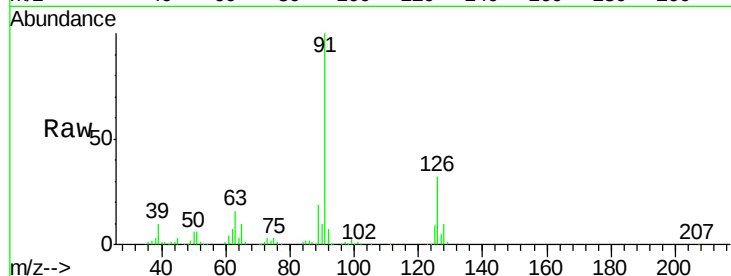
91 100

126 32.6 0.0 65.0

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#76

1,3,5-Trimethylbenzene

Concen: 20.682 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058347.D

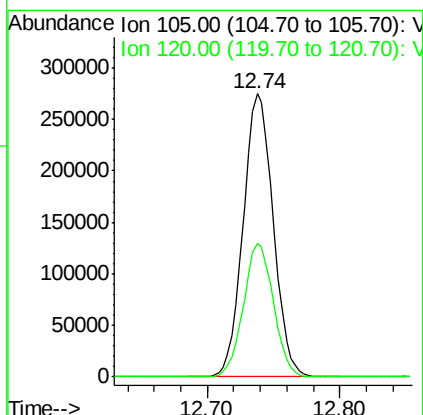
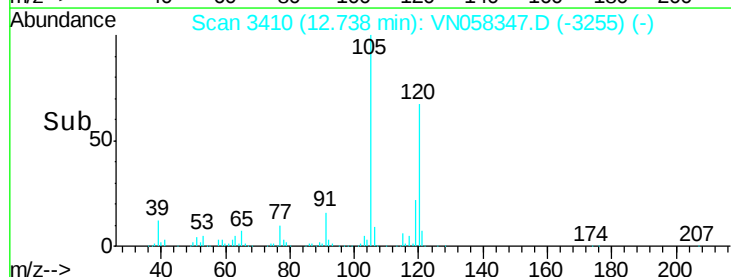
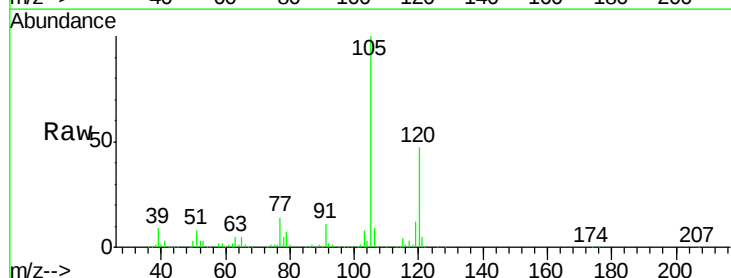
Acq: 24 Sep 2019 15:46

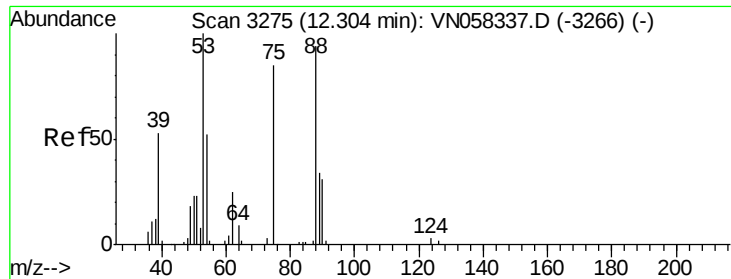
Tgt Ion: 105 Resp: 429973

Ion Ratio Lower Upper

105 100

120 47.2 0.0 94.4





#77

t-1,4-Dichloro-2-butene

Concen: 17.560 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

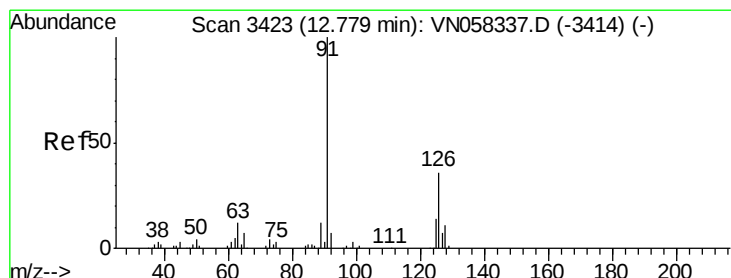
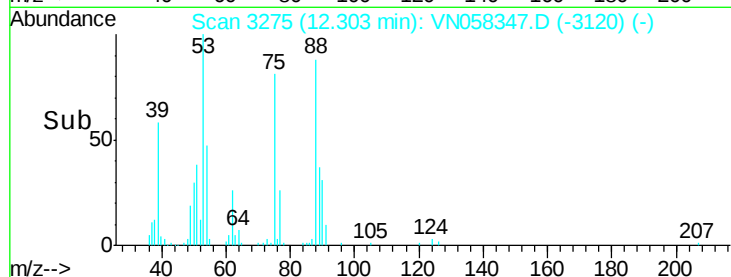
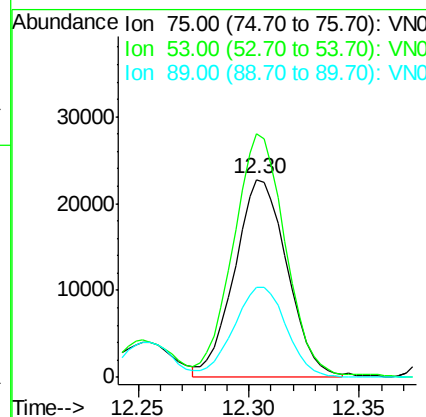
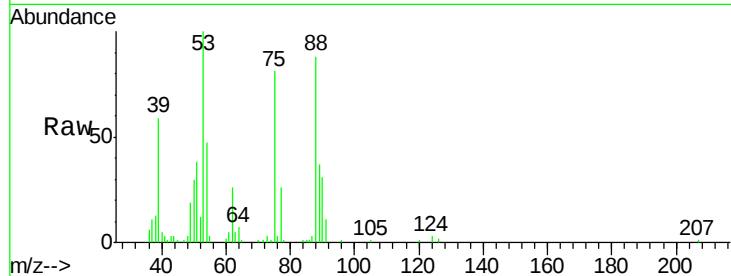
ClientSampleId :

VN0924WBSD01

Tot Ion:	75	Resp:	37801
Ion	Ratio	Lower	Upper
75	100		
53	122.9	59.0	176.8
89	46.1	21.6	65.0

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.924 ug/l

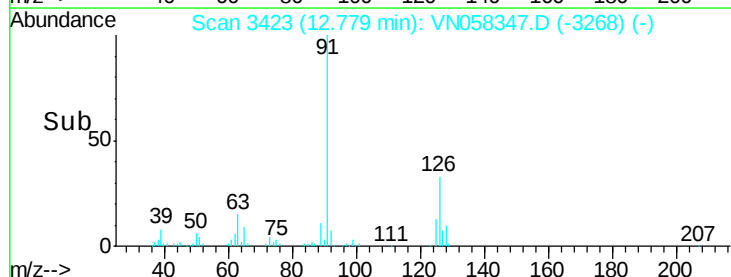
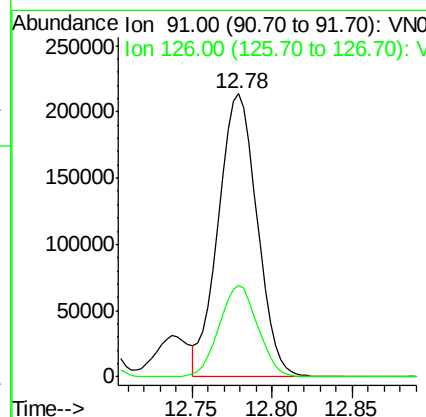
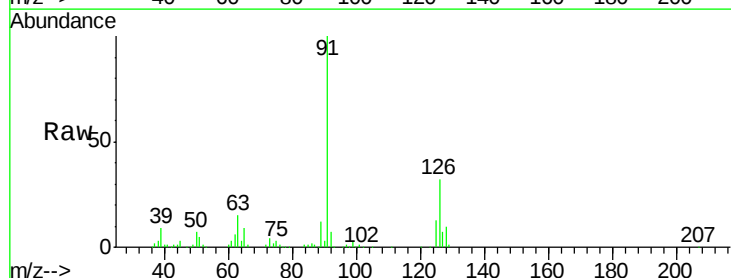
RT: 12.78 min Scan# 3423

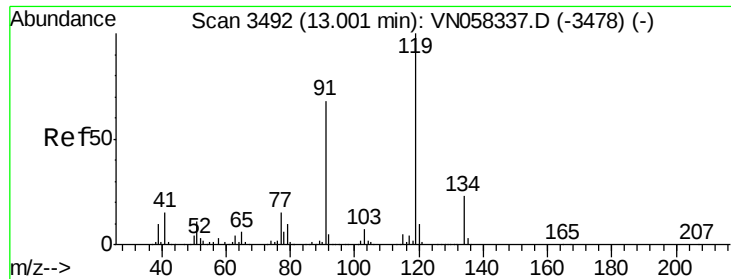
Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Tgt Ion:	91	Resp:	355548
Ion	Ratio	Lower	Upper
91	100		
126	32.2	0.0	63.8





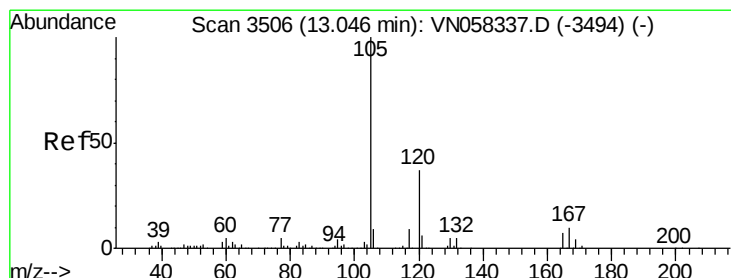
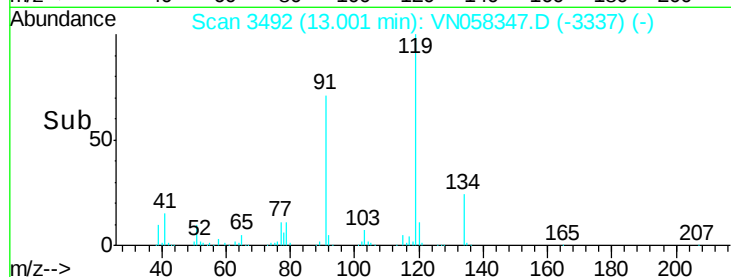
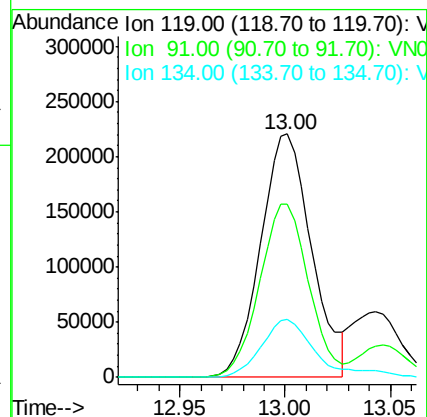
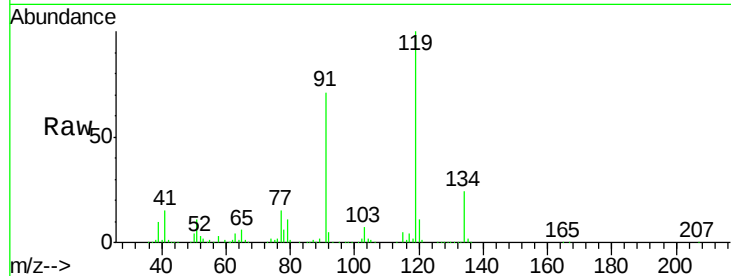
#79
tert-butylbenzene
Concen: 20.629 ug/l
RT: 13.00 min Scan# 3492
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	371317		
91	68.3	0.0	138.2	
134	25.6	0.0	46.8	

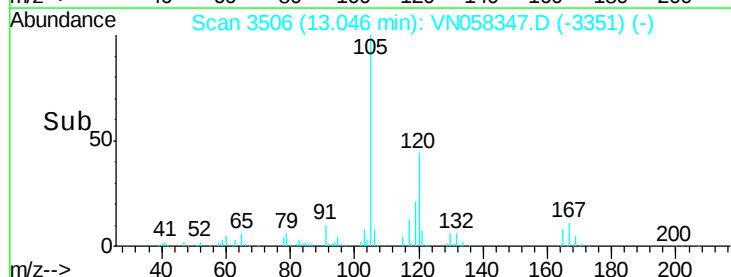
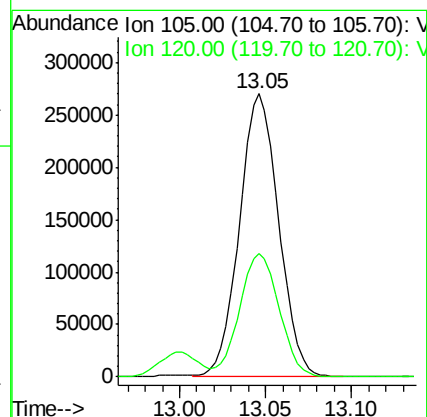
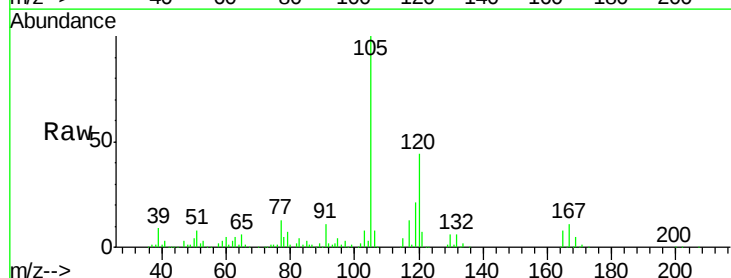
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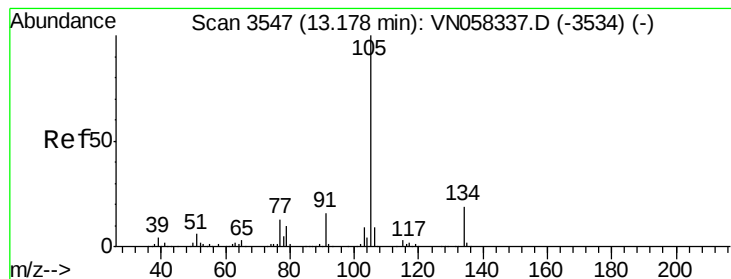
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#80
1,2,4-Trimethylbenzene
Concen: 20.512 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	425647		
120	44.3	0.0	86.6	





#81

sec-Butylbenzene

Concen: 21.090 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

ClientSampleId :

VN0924WBSD01

Tot Ion:105 Resp: 497913

Ion Ratio Lower Upper

105 100

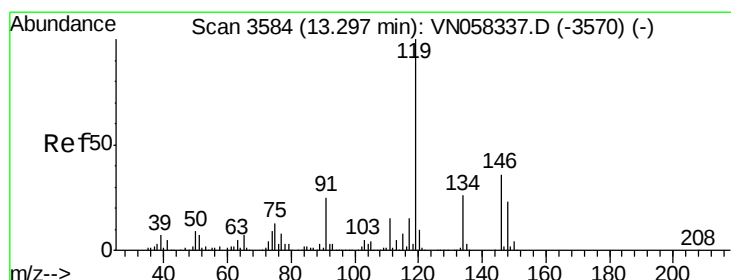
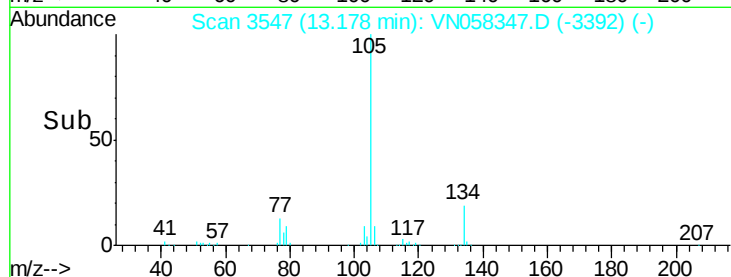
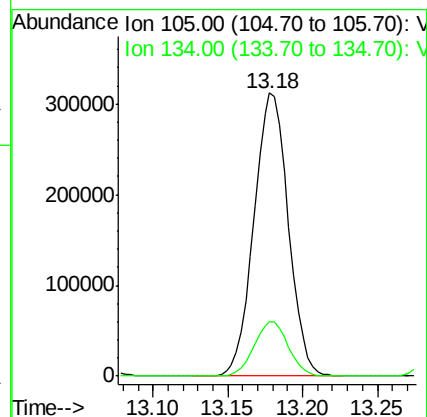
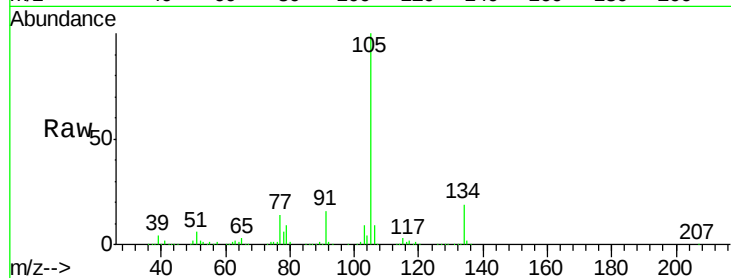
134 19.1 0.0 38.2

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#82

p-Isopropyltoluene

Concen: 20.948 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

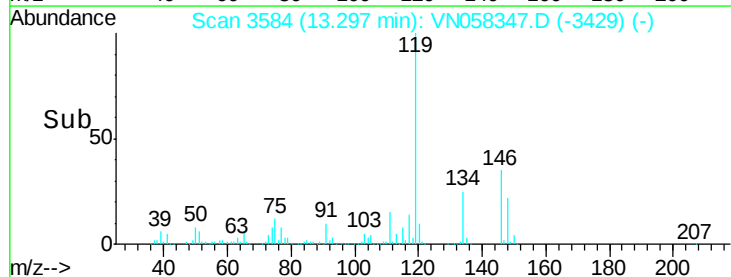
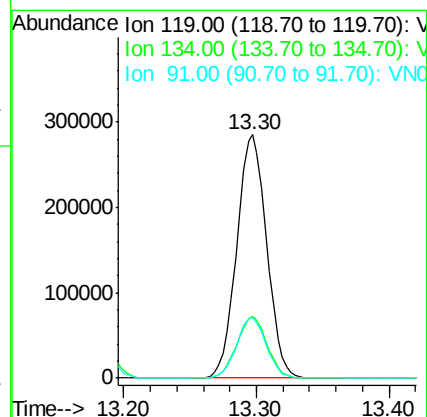
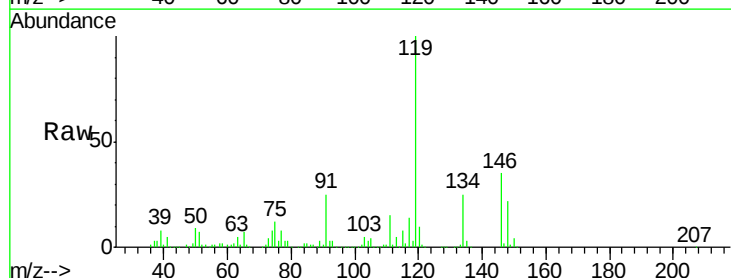
Tgt Ion:119 Resp: 445370

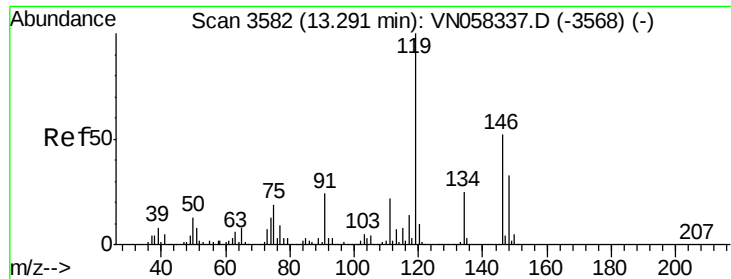
Ion Ratio Lower Upper

119 100

134 25.4 0.0 51.6

91 24.6 0.0 49.6





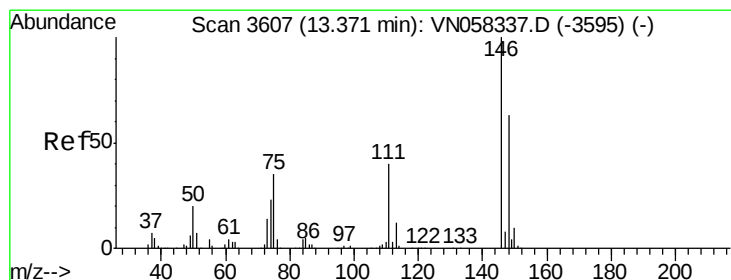
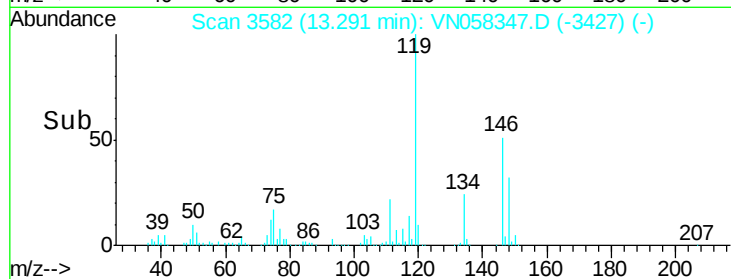
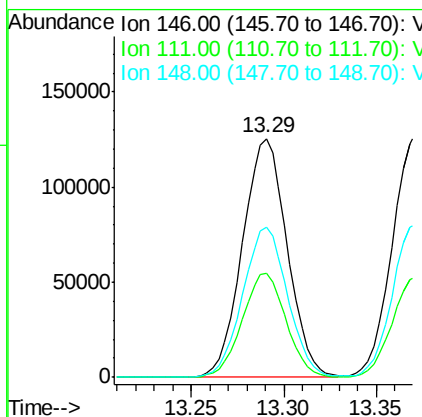
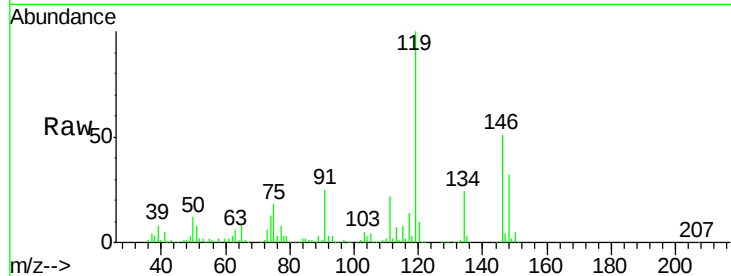
#83
 1,3-Dichlorobenzene
 Concen: 19.511 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.9	62.8
148	63.2	32.0	96.2

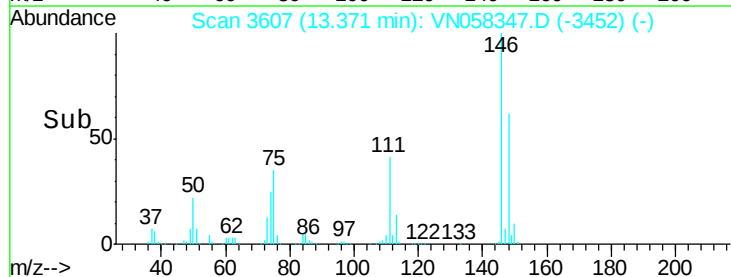
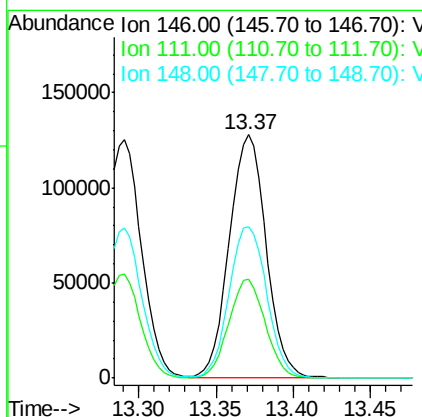
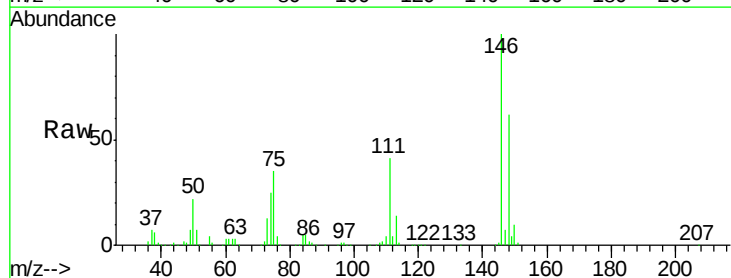
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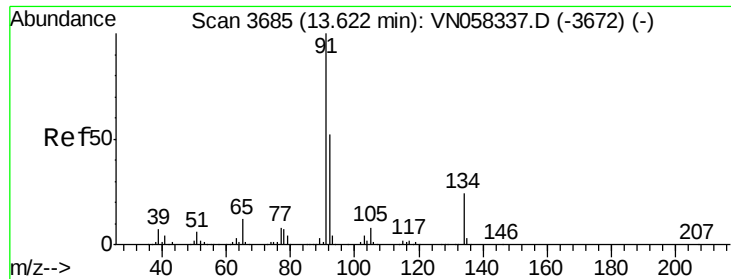
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#84
 1,4-Dichlorobenzene
 Concen: 19.594 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.3
148	64.3	31.9	95.7





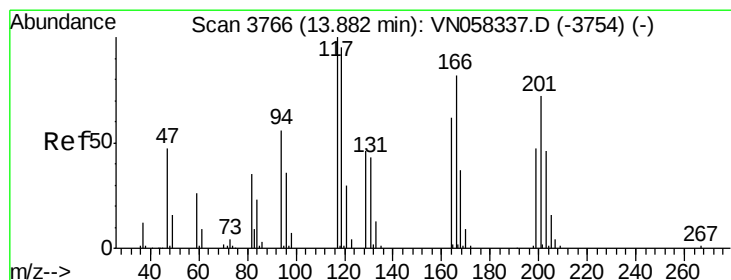
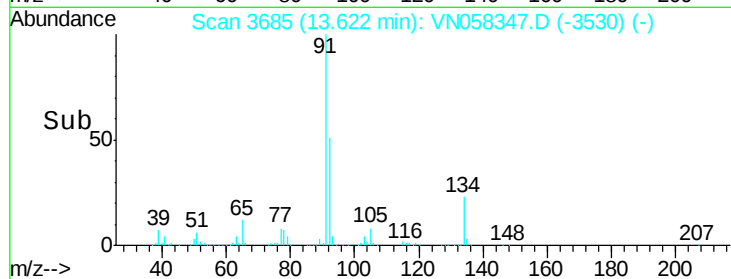
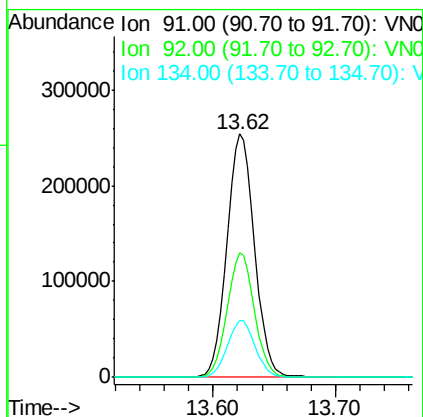
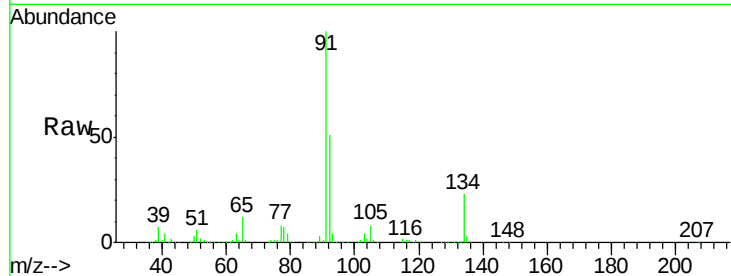
#85
n-Butylbenzene
Concen: 20.391 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		402777		
92	50.4	0.0	102.6		
134	23.5	0.0	47.8		

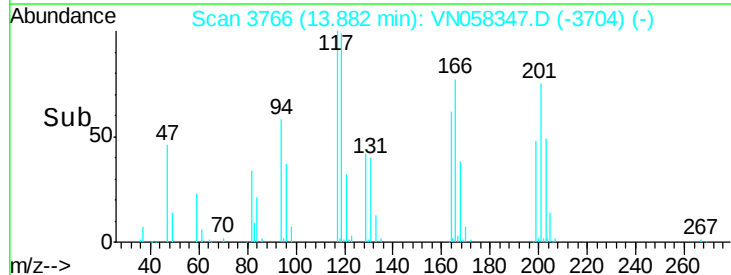
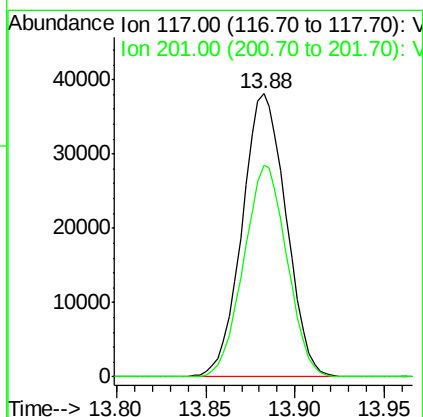
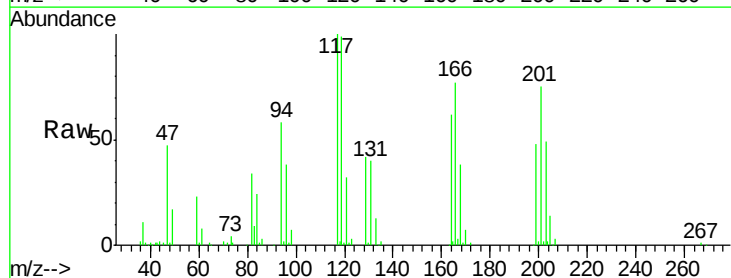
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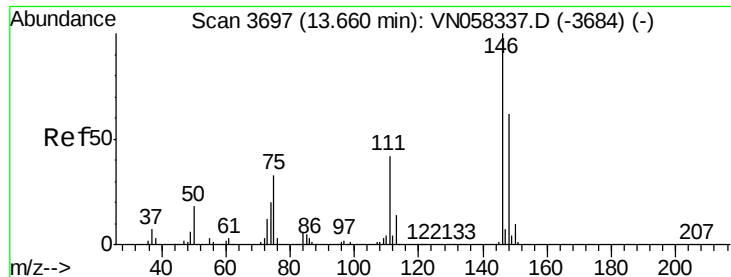
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#86
Hexachloroethane
Concen: 19.180 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		65864		
201	73.2	37.2	111.6		





#87

1,2-Dichlorobenzene

Concen: 19.776 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Instrument :

MSVOA_N

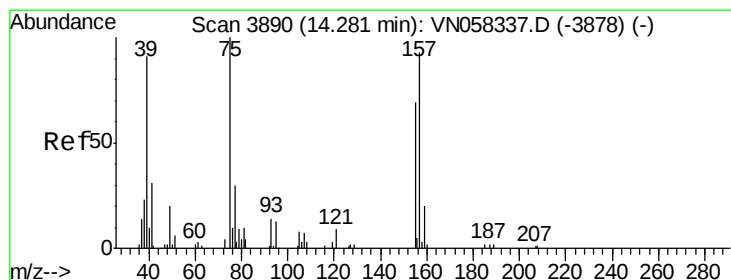
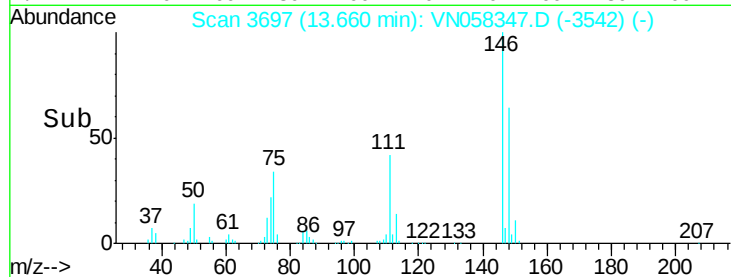
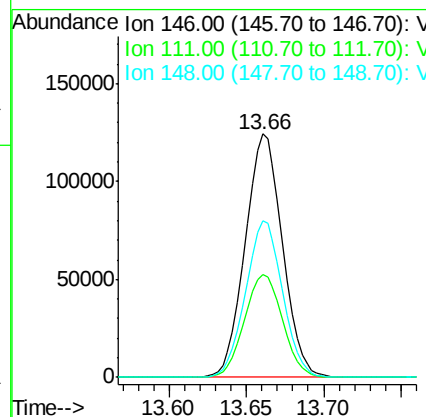
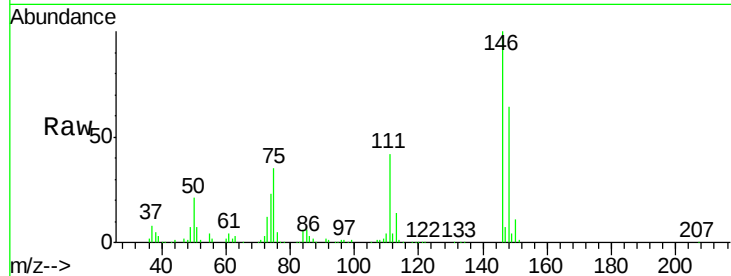
ClientSampleId :

VN0924WBSD01

Tot Ion:	146	Resp:	208356
Ion Ratio	Lower	Upper	
146	100		
111	43.0	21.1	63.3
148	64.0	31.9	95.7

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#88

1,2-Dibromo-3-Chloropropane

Concen: 18.935 ug/l

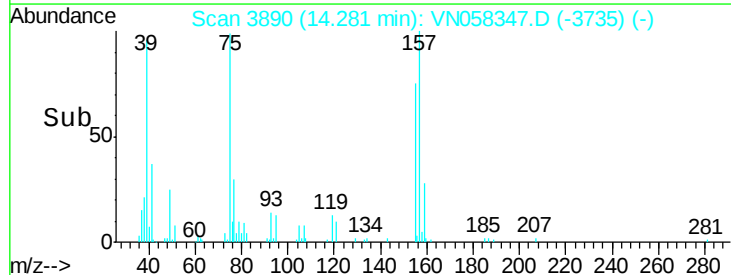
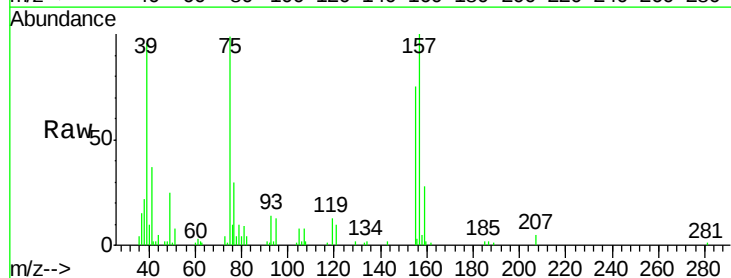
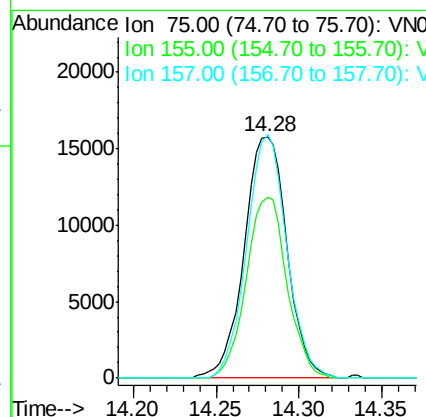
RT: 14.28 min Scan# 3890

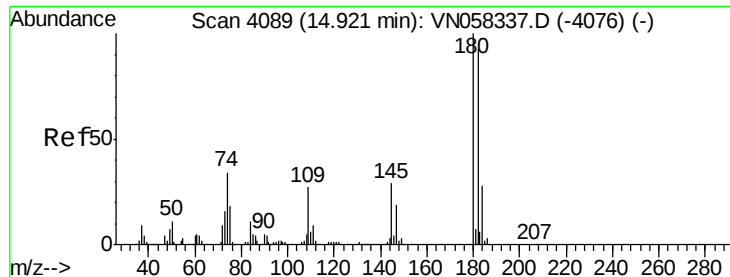
Delta R.T. -0.00 min

Lab File: VN058347.D

Acq: 24 Sep 2019 15:46

Tgt Ion:	75	Resp:	28359
Ion Ratio	Lower	Upper	
75	100		
155	71.1	58.5	87.7
157	94.3	75.4	113.2





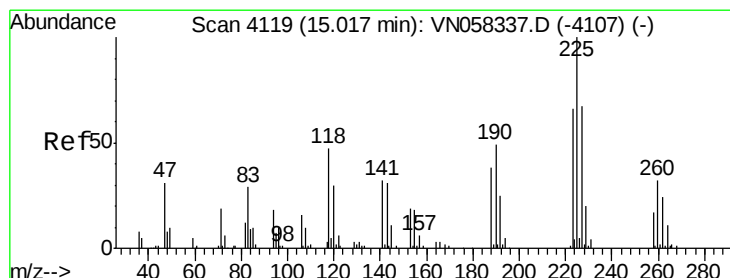
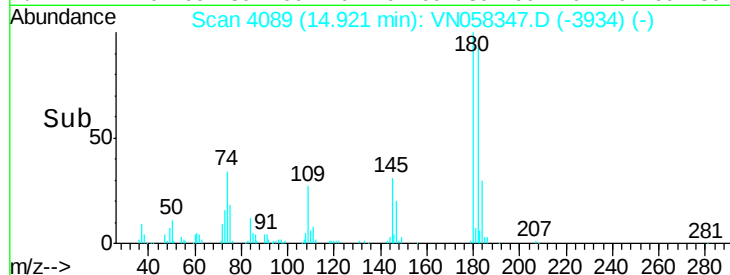
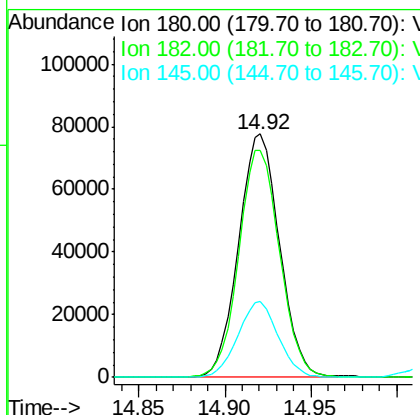
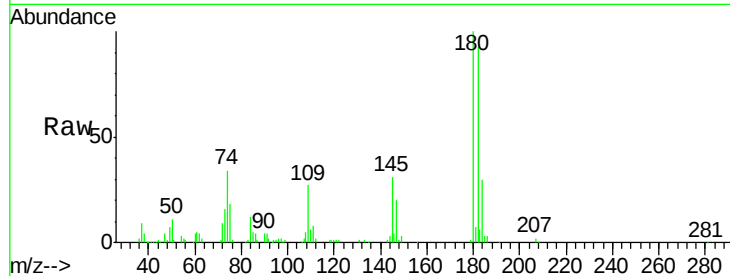
#89
 1,2,4-Trichlorobenzene
 Concen: 18.679 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0924WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	128571		
182	93.5	75.2	112.8	
145	30.8	25.1	37.7	

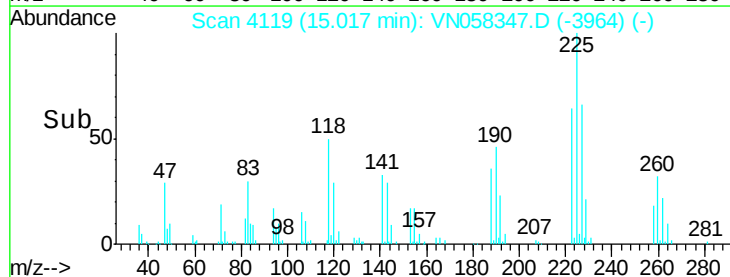
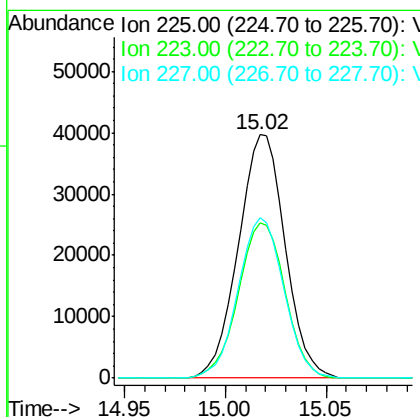
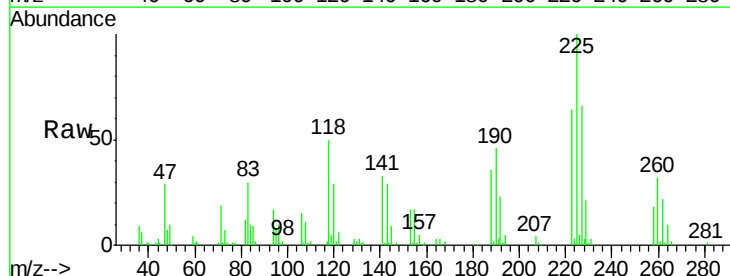
Manual Integrations
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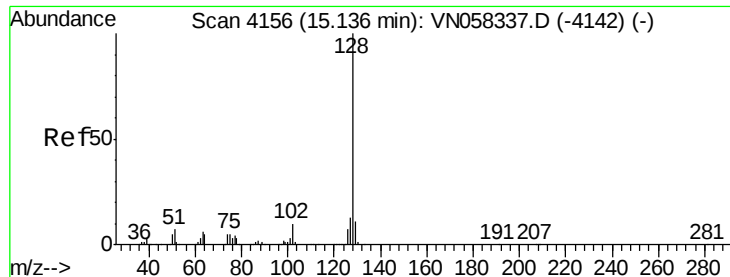
MMDadoda
 9/25/2019 8:24:13 AM



#90
 Hexachlorobutadiene
 Concen: 19.389 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VN058347.D
 Acq: 24 Sep 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	64574		
223	63.6	0.0	132.6	
227	64.5	0.0	129.2	





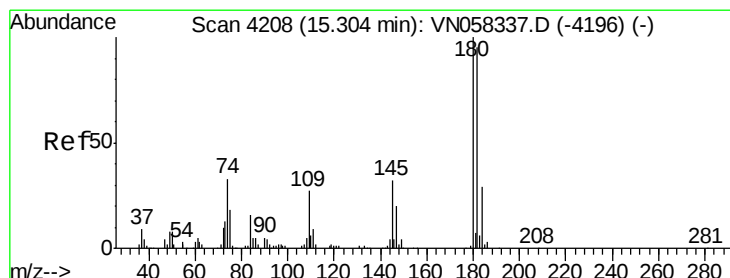
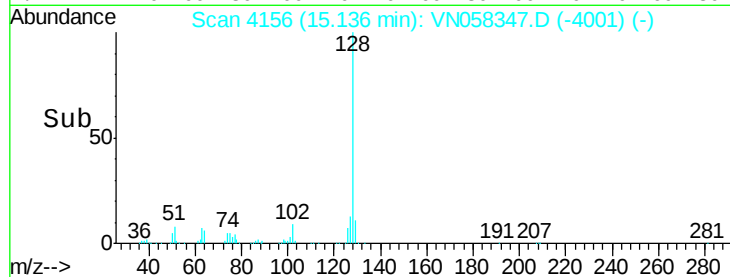
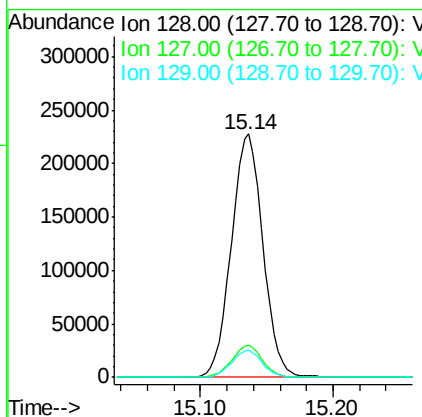
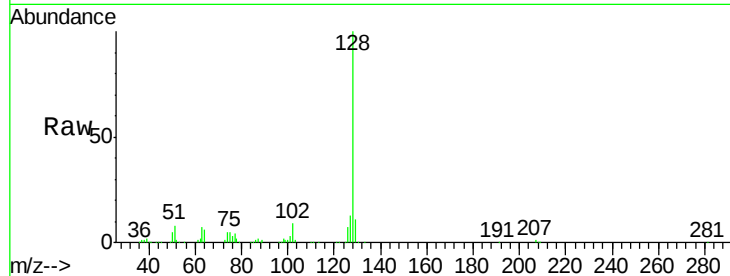
#91
Naphthalene
Concen: 19.966 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Instrument :
MSVOA_N
ClientSampleId :
VN0924WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	377402		
127	12.7	10.2	15.4	
129	10.8	8.6	13.0	

Manual Integrations
APPROVED

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9/25/2019 8:24:13 AM



#92
1,2,3-Trichlorobenzene
Concen: 18.011 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. -0.00 min
Lab File: VN058347.D
Acq: 24 Sep 2019 15:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	119065		
182	96.3	0.0	189.4	
145	31.7	0.0	64.0	

