

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092719\
 Data File : VN058415.D
 Acq On : 27 Sep 2019 17:57
 Operator : JC/SP
 Sample : VN0927WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/30/2019 10:19:00 AM

Quant Time: Sep 30 09:00:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	472140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	785365	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	697598	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	325176	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	341904	49.55	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.10%	
35) Dibromofluoromethane	7.57	113	241400	50.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.30%	
50) Toluene-d8	10.09	98	970321	51.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.41	95	346149	50.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.54%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.83	85	110335	21.313	ug/l	100
3) Chloromethane	2.04	50	119387	20.976	ug/l	100
4) Vinyl Chloride	2.17	62	114952	20.618	ug/l	99
5) Bromomethane	2.55	94	60421	20.402	ug/l	97
6) Chloroethane	2.69	64	67150	20.101	ug/l	99
7) Trichlorofluoromethane	3.00	101	137186	20.389	ug/l	96
8) Diethyl Ether	3.39	74	59926	20.643	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	92055	20.146	ug/l	99
10) Methyl Iodide	3.93	142	104092	20.544	ug/l	99
11) Tert butyl alcohol	4.76	59	85639	111.729	ug/l	97
12) 1,1-Dichloroethene	3.72	96	86631	19.450	ug/l	98
13) Acrolein	3.59	56	35389	145.163	ug/l	95
14) Allyl chloride	4.30	41	159261	19.649	ug/l	99
15) Acrylonitrile	4.96	53	233077	104.337	ug/l	100
16) Acetone	3.80	43	217248	92.368	ug/l	93
17) Carbon Disulfide	4.03	76	229933	19.584	ug/l	99
18) Methyl Acetate	4.30	43	115310	19.493	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	315312	20.064	ug/l	99
20) Methylene Chloride	4.53	84	107980	19.894	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	99536	20.097	ug/l	94
22) Diisopropyl ether	5.93	45	348531	19.982	ug/l	96
23) Vinyl Acetate	5.87	43	1403373	106.707	ug/l	98
24) 1,1-Dichloroethane	5.83	63	194850	19.849	ug/l	99
25) 2-Butanone	6.82	43	321363	99.517	ug/l	100
26) 2,2-Dichloropropane	6.81	77	149876	18.572	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	113538	19.614	ug/l	100
28) Bromochloromethane	7.18	49	82129	20.930	ug/l	100
29) Tetrahydrofuran	7.19	42	210076	102.498	ug/l	99
30) Chloroform	7.36	83	194066	19.509	ug/l	98
31) Cyclohexane	7.64	56	190583	19.959	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	164585	20.148	ug/l	99
36) 1,1-Dichloropropene	7.78	75	150573	20.051	ug/l	99
37) Ethyl Acetate	6.91	43	136469	21.434	ug/l	100
38) Carbon Tetrachloride	7.76	117	134954	19.909	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	178027	20.300	ug/l	99
40) Benzene	8.03	78	437364	20.261	ug/l	99
41) Methacrylonitrile	7.15	41	49760m	16.988	ug/l	
42) 1,2-Dichloroethane	8.11	62	166898	19.873	ug/l	100
43) Isopropyl Acetate	8.15	43	228544	19.089	ug/l	99
44) Trichloroethene	8.83	130	107018	20.078	ug/l	96
45) 1,2-Dichloropropane	9.11	63	118123	20.404	ug/l	99
46) Dibromomethane	9.20	93	74360	20.282	ug/l	99
47) Bromodichloromethane	9.39	83	140153	20.176	ug/l	100
48) Methyl methacrylate	9.19	41	109220	20.034	ug/l	98
49) 1,4-Dioxane	9.19	88	37677	516.854	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	675629	109.859	ug/l	99
52) Toluene	10.15	92	295041	21.715	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	152627	20.187	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	171745	20.464	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	101400	20.496	ug/l	98
56) Ethyl methacrylate	10.43	69	158614	21.129	ug/l	99
57) 1,3-Dichloropropane	10.71	76	183584	20.804	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	311720	104.136	ug/l	99
59) 2-Hexanone	10.75	43	488936	109.184	ug/l	99
60) Dibromochloromethane	10.90	129	97286	18.643	ug/l	100
61) 1,2-Dibromoethane	11.00	107	102881	20.352	ug/l	100
64) Tetrachloroethene	10.63	164	88939	20.067	ug/l	98
65) Chlorobenzene	11.43	112	281692	20.314	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	96497	20.654	ug/l	99
67) Ethyl Benzene	11.51	91	534506	21.281	ug/l	99
68) m/p-Xylenes	11.62	106	398366	42.156	ug/l	98
69) o-Xylene	11.95	106	189029	20.780	ug/l	97
70) Styrene	11.97	104	308153	20.852	ug/l	99
71) Bromoform	12.13	173	59118	18.751	ug/l #	98
73) Isopropylbenzene	12.25	105	506532	21.078	ug/l	100
74) N-amyl acetate	12.08	43	197102	20.617	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	147319	20.731	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	120352m	20.263	ug/l	
77) Bromobenzene	12.53	156	113999	20.231	ug/l	99
78) n-propylbenzene	12.60	91	586377	21.658	ug/l	99
79) 2-Chlorotoluene	12.68	91	348149	20.834	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	423519	21.053	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.31	75	35041	17.918	ug/l	88
82) 4-Chlorotoluene	12.78	91	352568	20.676	ug/l	99
83) tert-Butylbenzene	13.00	119	361680	21.307	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	434958	21.581	ug/l	99
85) sec-Butylbenzene	13.18	105	475645	21.289	ug/l	99
86) p-Isopropyltoluene	13.30	119	427836	21.755	ug/l	98
87) 1,3-Dichlorobenzene	13.29	146	204849	20.049	ug/l	98
88) 1,4-Dichlorobenzene	13.37	146	204082	20.076	ug/l	98
89) n-Butylbenzene	13.62	91	372124	20.888	ug/l	99
90) Hexachloroethane	13.88	117	63324	21.431	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	203509	20.730	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	26638	21.257	ug/l	94

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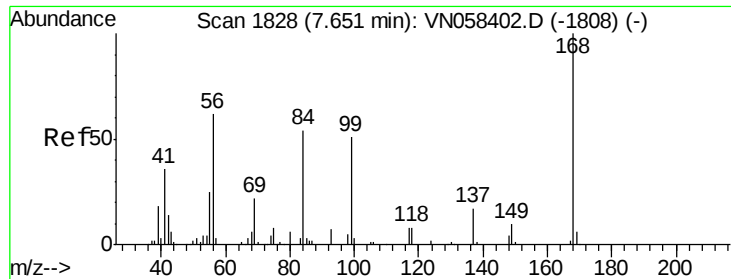
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	113990	21.012	ug/l	97
94) Hexachlorobutadiene	15.02	225	55120	19.768	ug/l	98
95) Naphthalene	15.13	128	366811	23.073	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	109179	20.059	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion:168 Resp: 472140

Ion Ratio Lower Upper

168 100

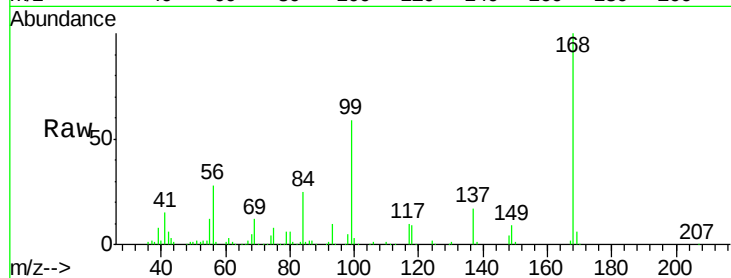
99 58.6 47.7 71.5

Manual Integrations

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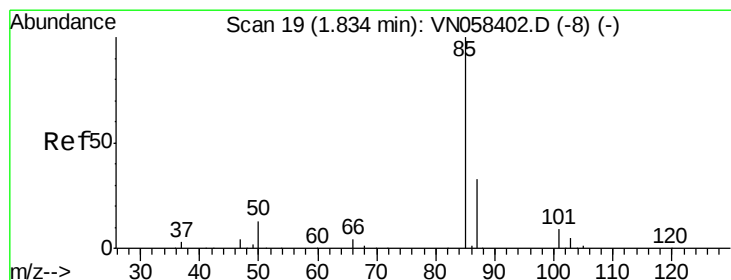
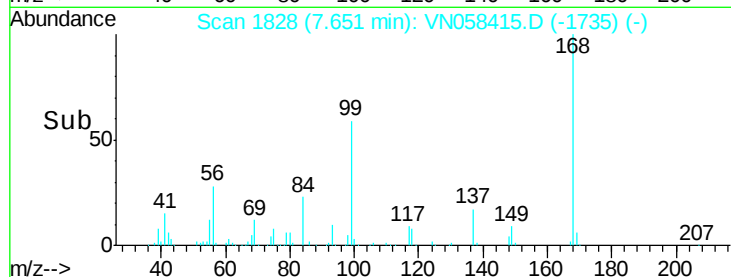
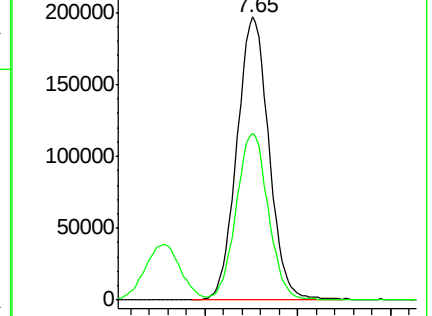
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 21.313 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058415.D

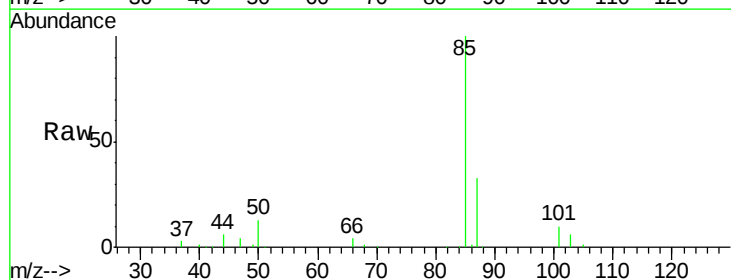
Acq: 27 Sep 2019 17:57

Tgt Ion: 85 Resp: 110335

Ion Ratio Lower Upper

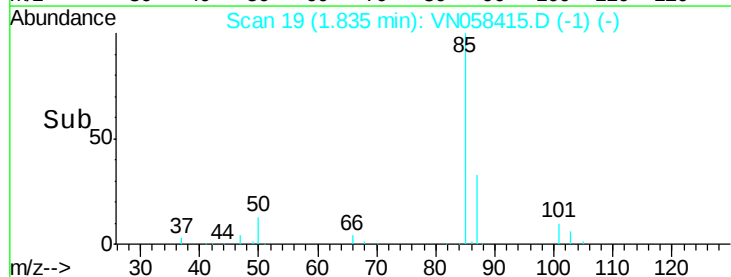
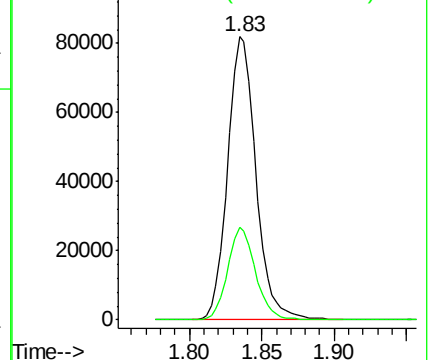
85 100

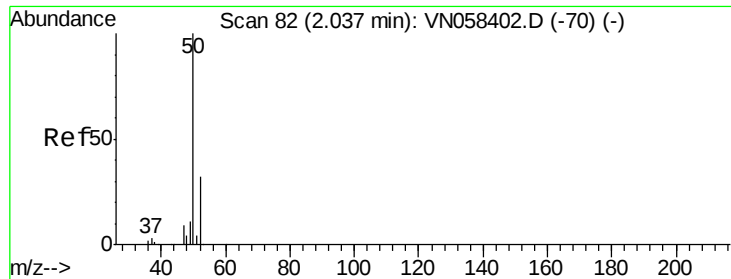
87 32.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.976 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion: 50 Resp: 119387

Ion Ratio Lower Upper

50 100

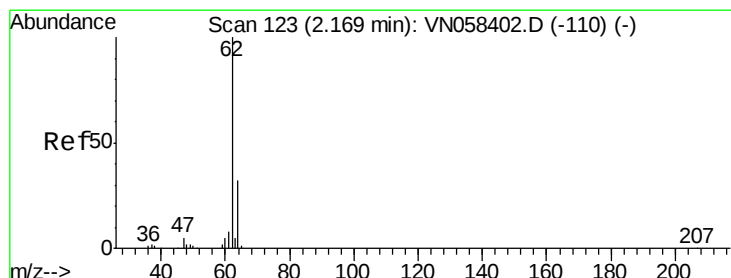
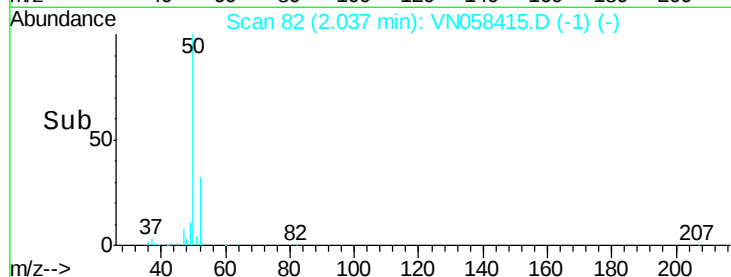
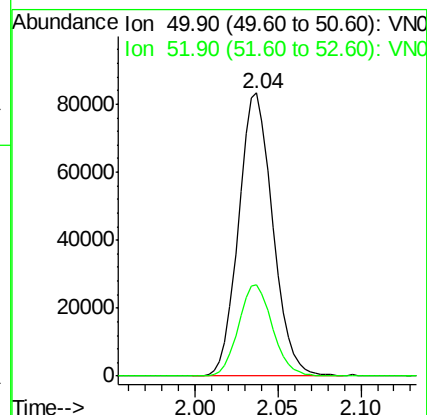
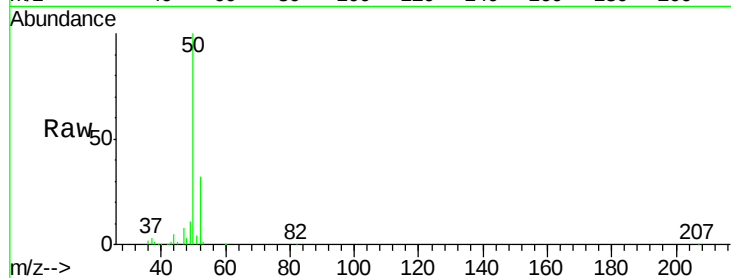
52 32.4 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.618 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058415.D

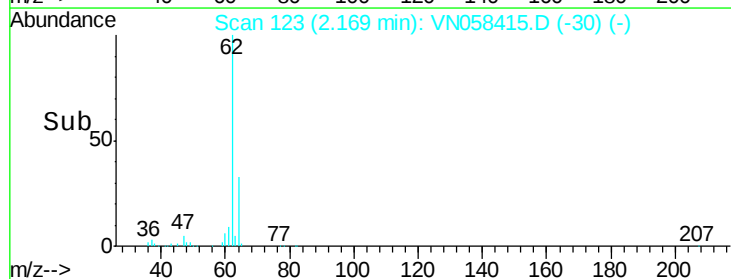
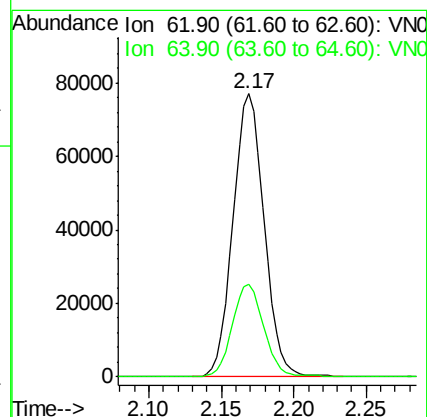
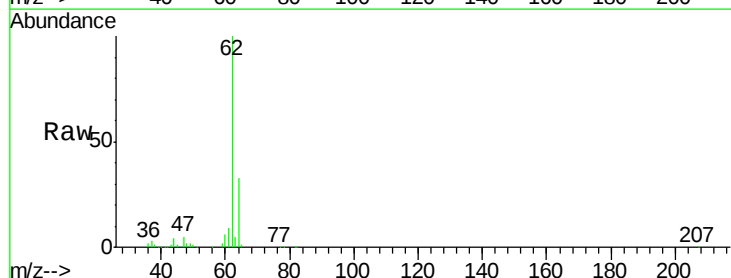
Acq: 27 Sep 2019 17:57

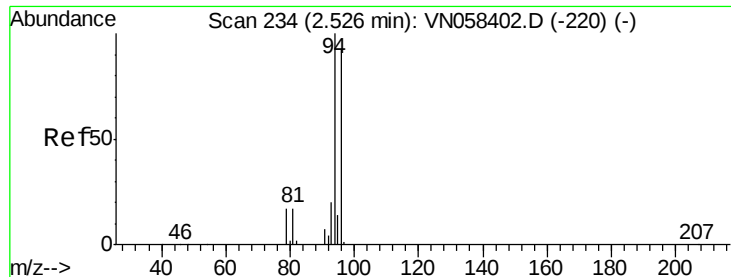
Tgt Ion: 62 Resp: 114952

Ion Ratio Lower Upper

62 100

64 32.6 25.5 38.3





#5

Bromomethane

Concen: 20.402 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

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ClientSampleId :

VN0927WBSD01

Tot Ion: 94 Resp: 60421

Ion Ratio Lower Upper

94 100

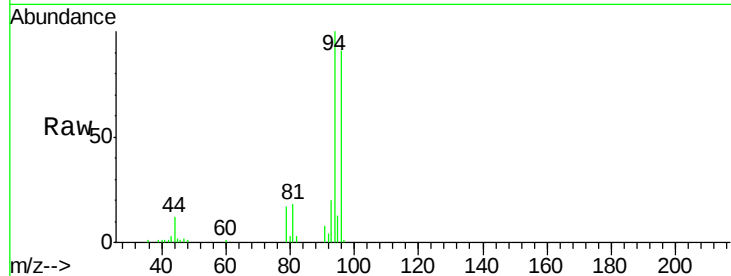
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Manual Integrations

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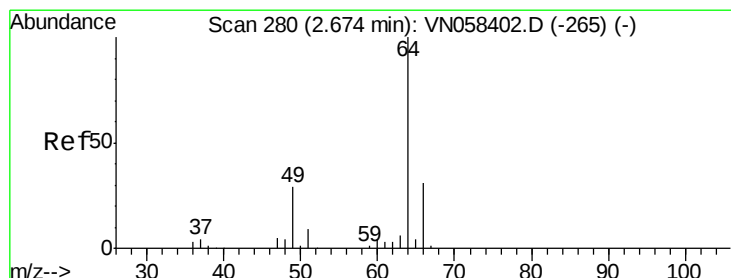
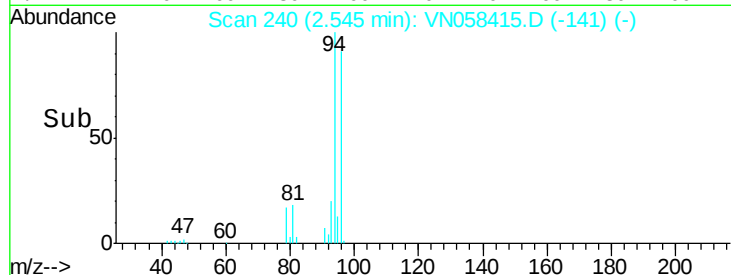
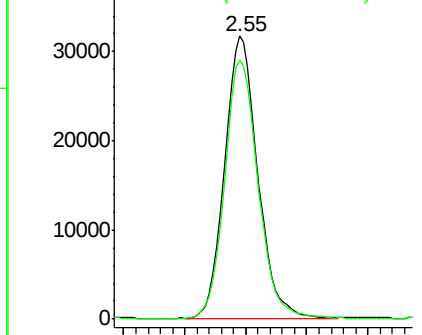
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 20.101 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058415.D

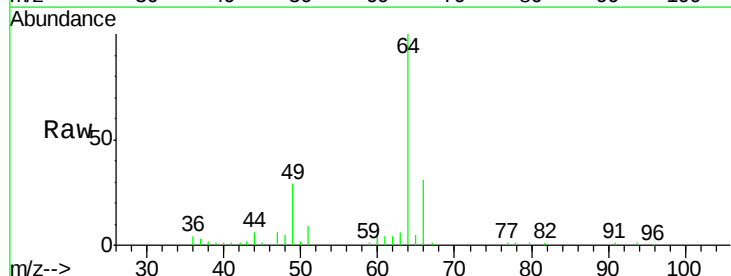
Acq: 27 Sep 2019 17:57

Tgt Ion: 64 Resp: 67150

Ion Ratio Lower Upper

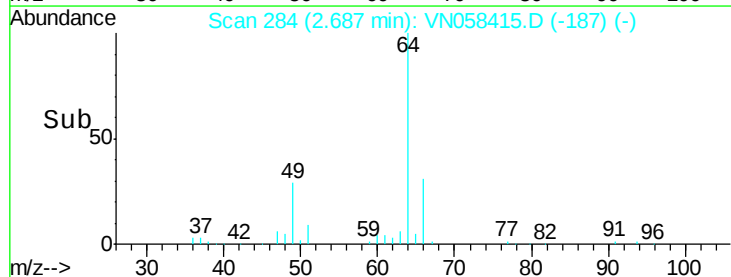
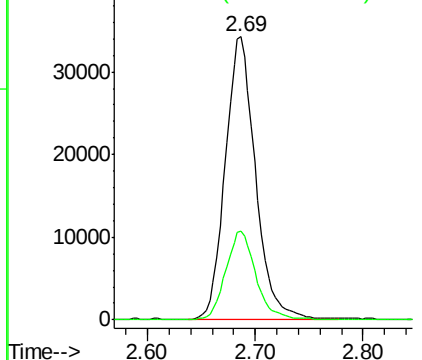
64 100

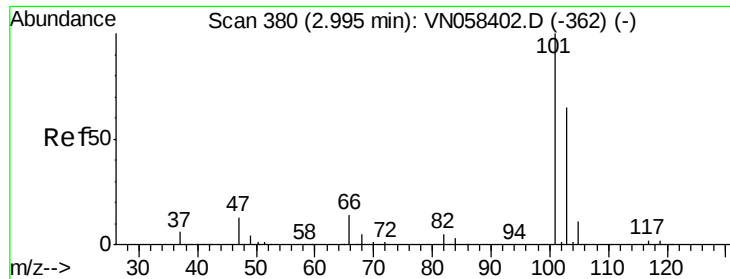
66 31.3 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

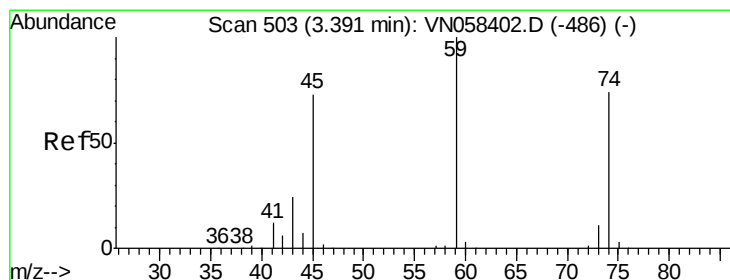
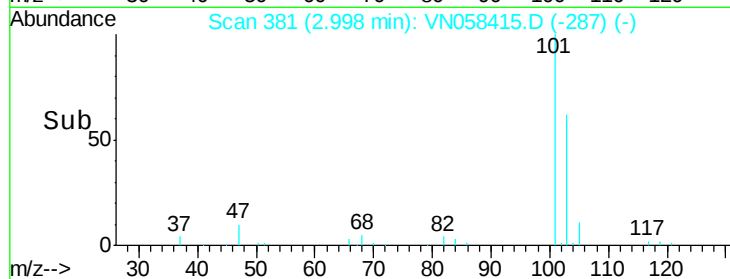
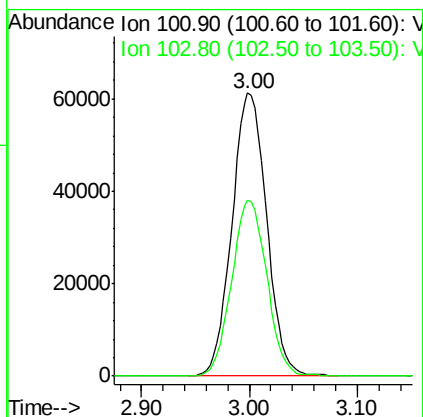
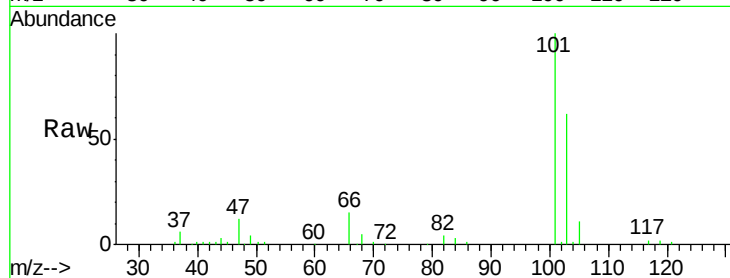
Trichlorofluoromethane
 Concen: 20.389 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Instrument :
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 VN0927WBSD01

Tot Ion:101 Resp: 137186
 Ion Ratio Lower Upper
 101 100
 103 62.2 52.3 78.5

Manual Integrations
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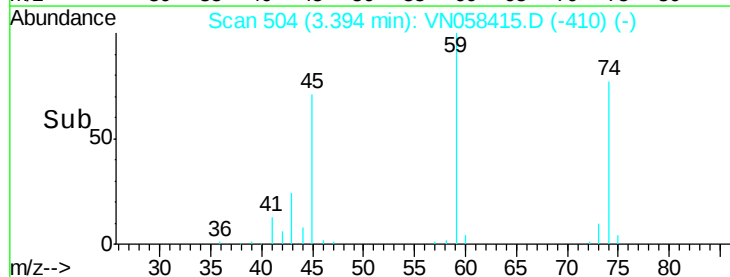
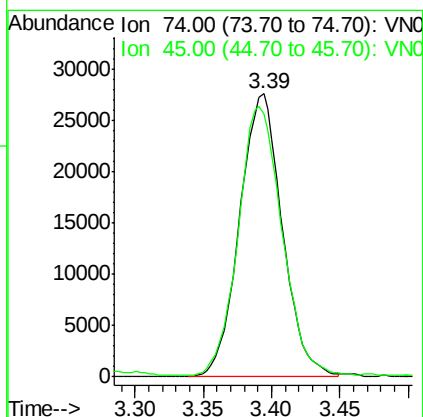
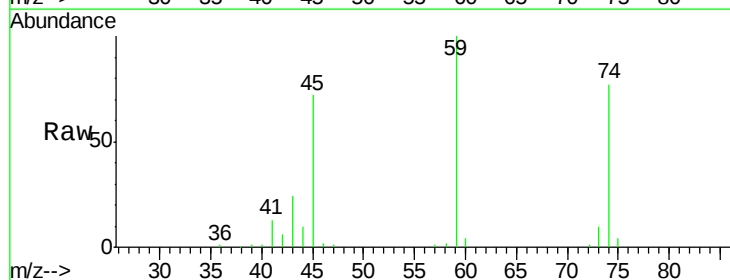
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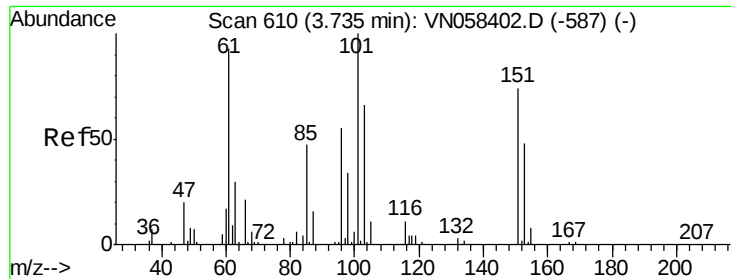


#8

Diethyl Ether
 Concen: 20.643 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion: 74 Resp: 59926
 Ion Ratio Lower Upper
 74 100
 45 96.8 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.146 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

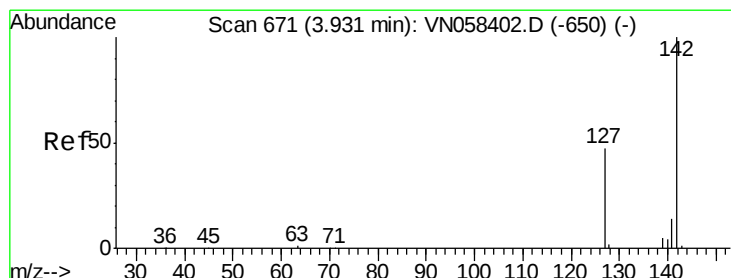
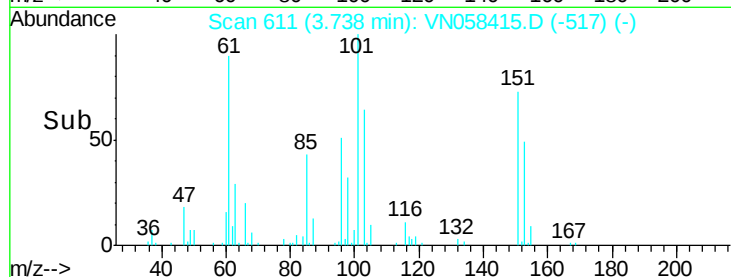
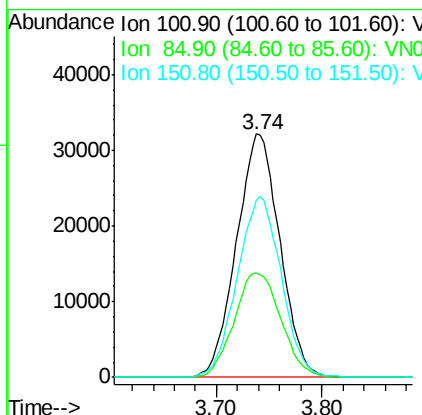
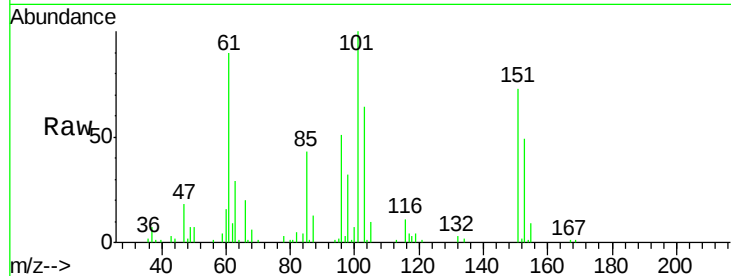
ClientSampleId :

VN0927WBSD01

Tot Ion:	101	Resp:	92055
Ion Ratio	Lower	Upper	
101	100		
85	46.1	36.7	55.1
151	75.3	59.4	89.0

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#10

Methyl Iodide

Concen: 20.544 ug/l

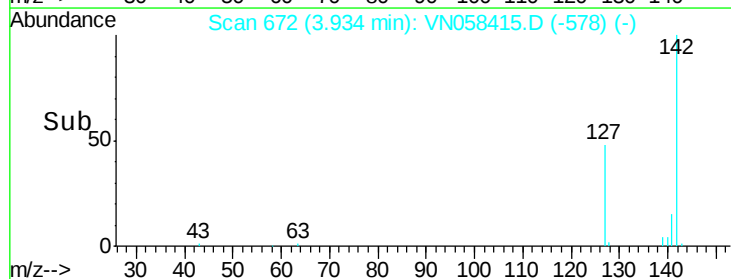
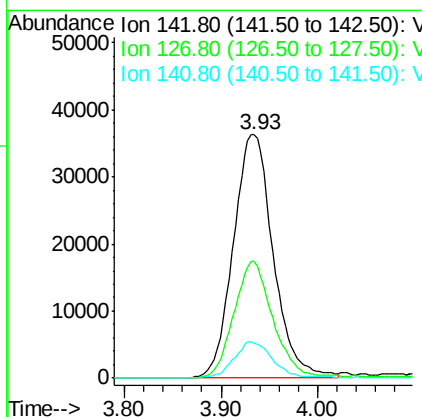
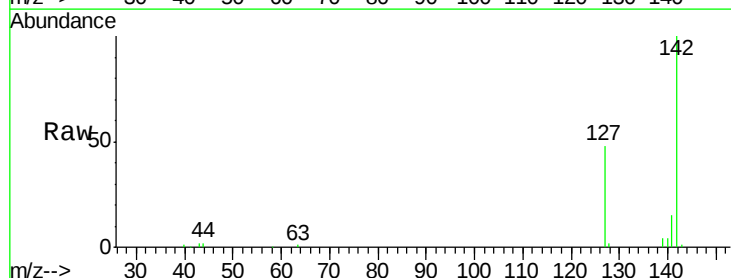
RT: 3.93 min Scan# 672

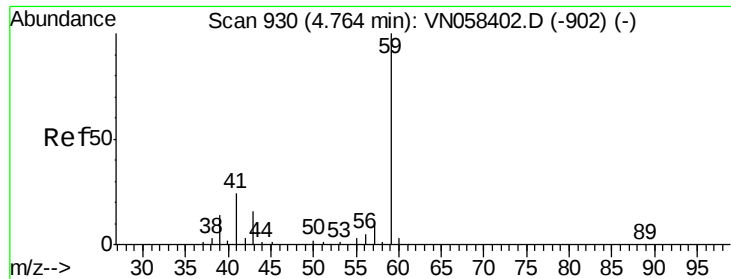
Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Tgt Ion:	142	Resp:	104092
Ion Ratio	Lower	Upper	
142	100		
127	47.2	37.2	55.8
141	14.2	11.3	16.9





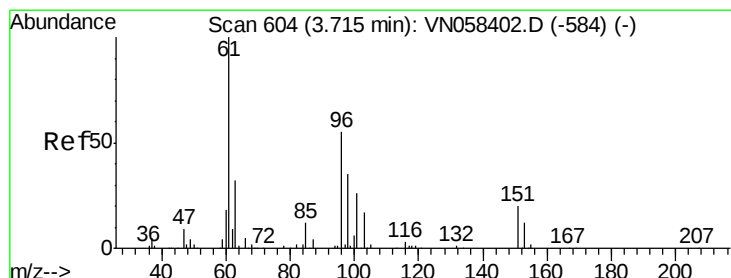
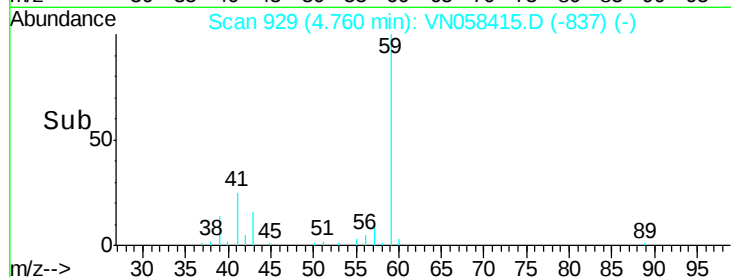
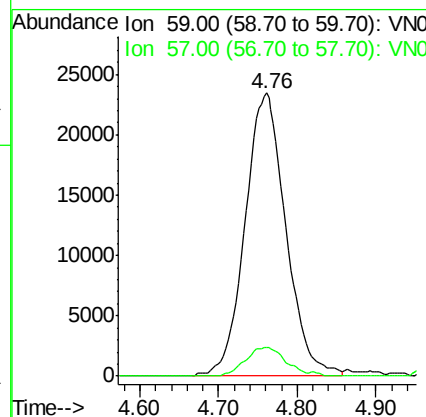
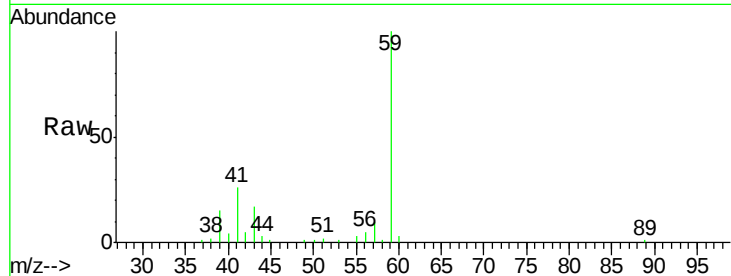
#11
Tert butyl alcohol
Concen: 111.729 ug/l
RT: 4.76 min Scan# 929
Delta R.T. -0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	9.0	13.4

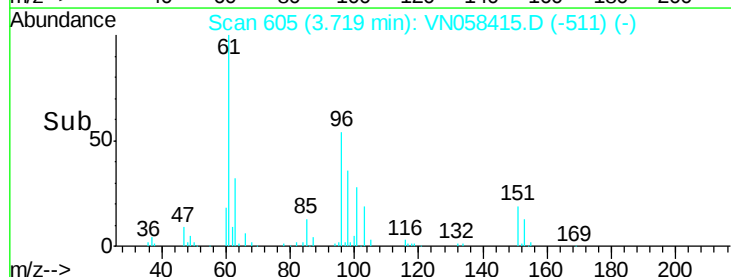
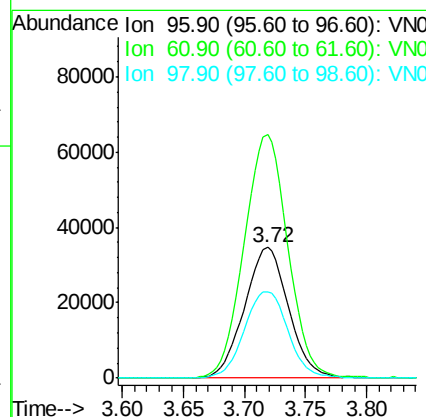
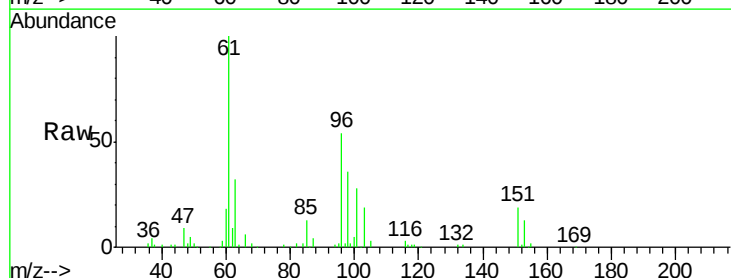
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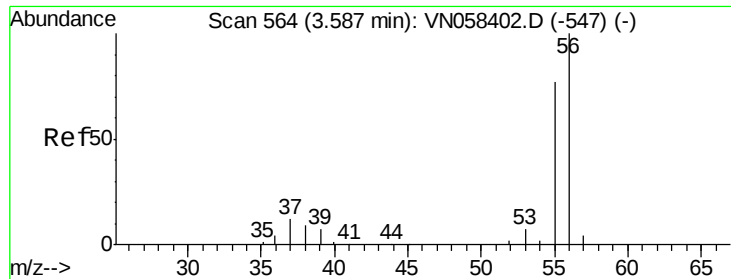
MMDadoda
9/30/2019 10:19:00 AM



#12
1,1-Dichloroethene
Concen: 19.450 ug/l
RT: 3.72 min Scan# 605
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.4	146.7	220.1
98	66.4	51.3	76.9





#13

Acrolein

Concen: 145.163 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion: 56 Resp: 35389

Ion Ratio Lower Upper

56 100

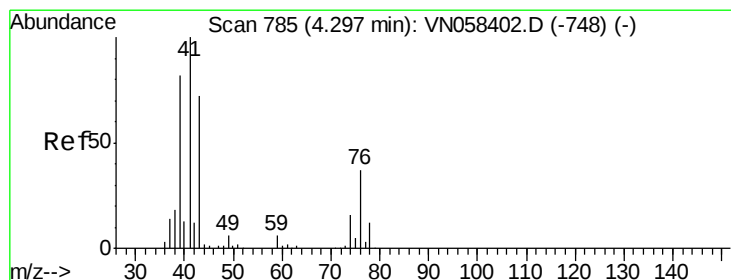
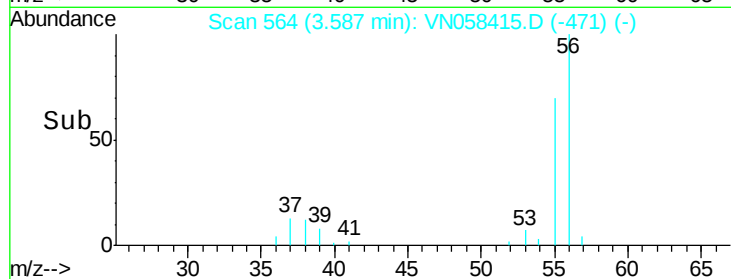
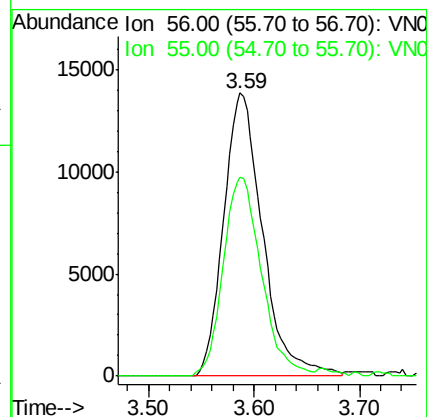
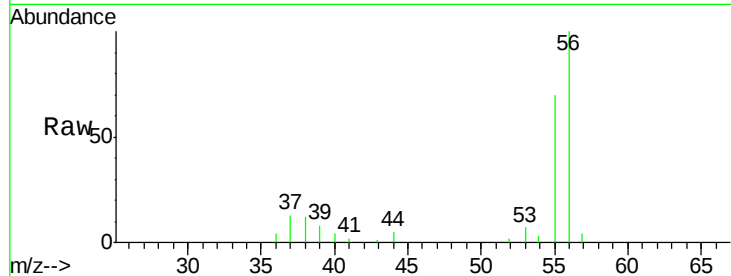
55 68.7 58.3 87.5

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#14

Allyl chloride

Concen: 19.649 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.01 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

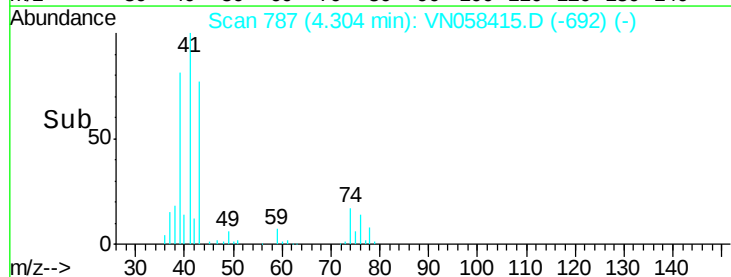
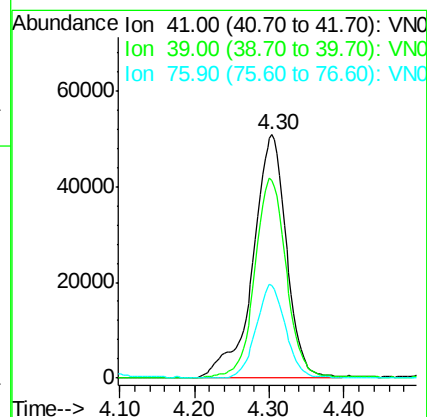
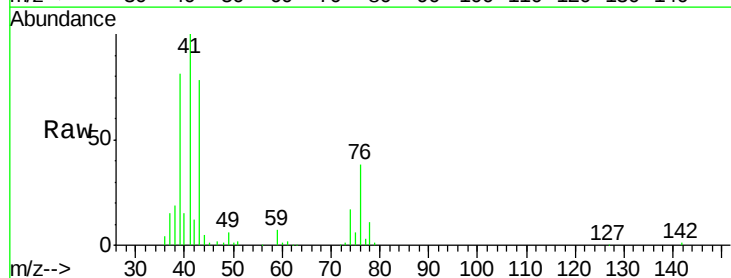
Tgt Ion: 41 Resp: 159261

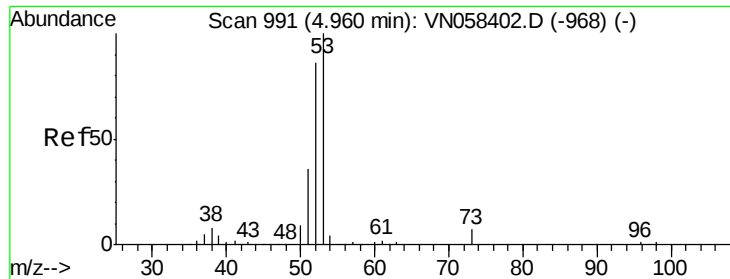
Ion Ratio Lower Upper

41 100

39 77.2 62.3 93.5

76 33.5 26.9 40.3





#15

Acrylonitrile

Concen: 104.337 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

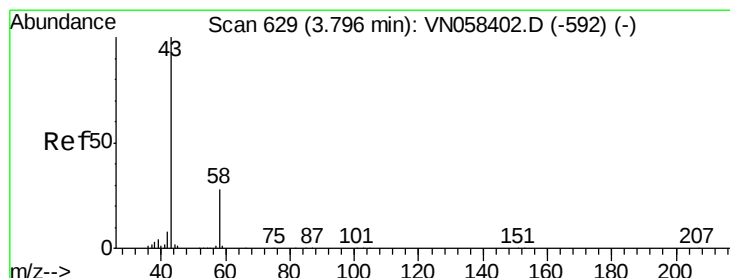
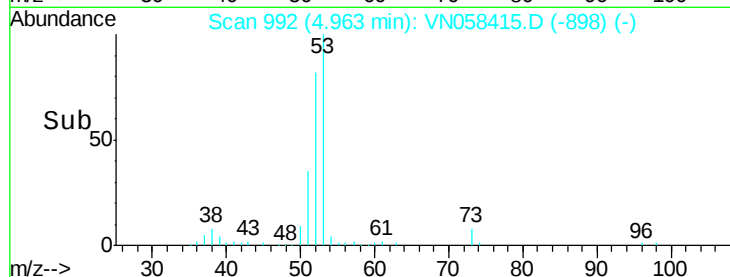
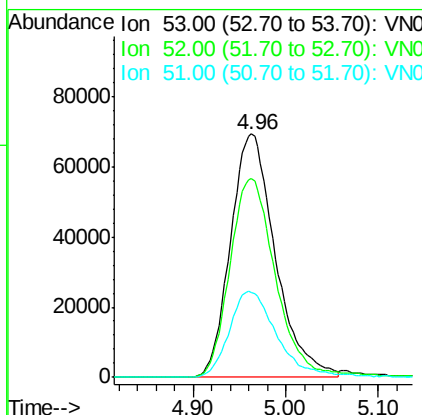
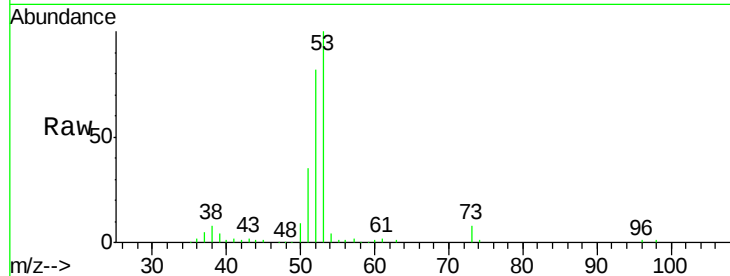
ClientSampleId :

VN0927WBSD01

Tot Ion:	53	Resp:	233077
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.6	100.0
51	37.5	29.8	44.8

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#16

Acetone

Concen: 92.368 ug/l

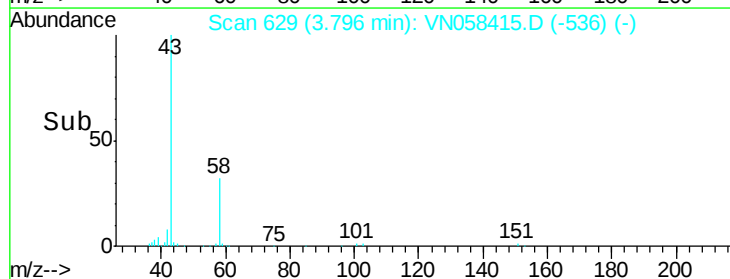
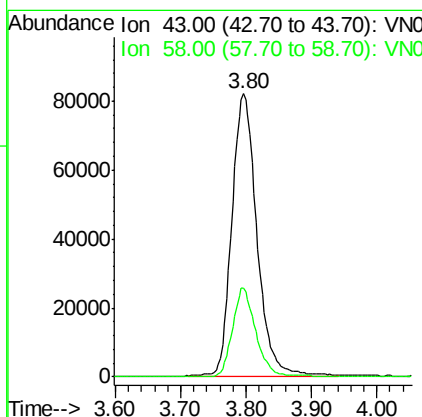
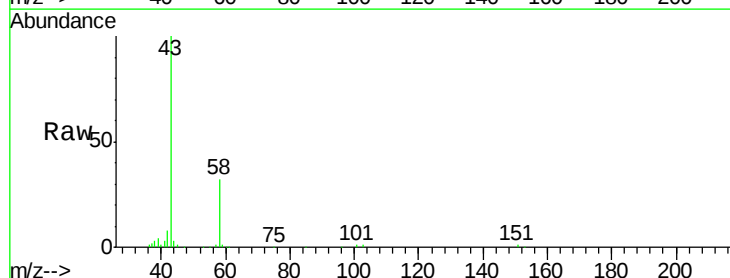
RT: 3.80 min Scan# 629

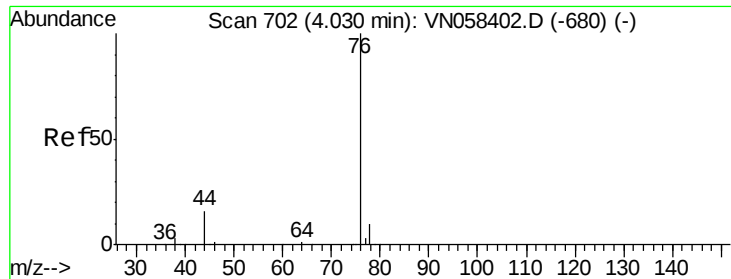
Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Tgt Ion:	43	Resp:	217248
Ion	Ratio	Lower	Upper
43	100		
58	31.7	22.4	33.6





#17

Carbon Disulfide

Concen: 19.584 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion: 76 Resp: 229933

Ion Ratio Lower Upper

76 100

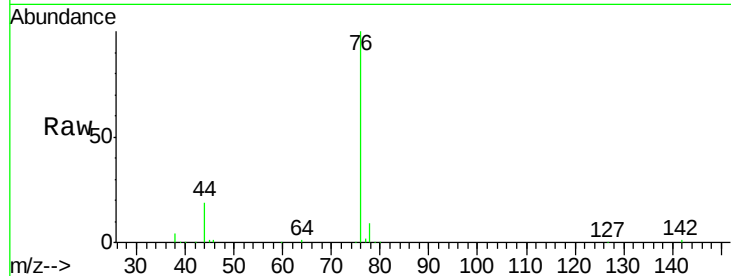
78 9.3 7.7 11.5

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

80000

60000

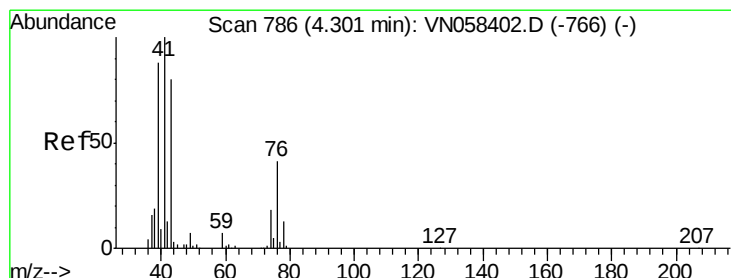
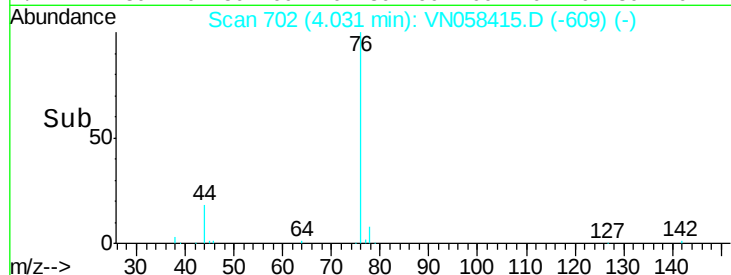
40000

20000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 19.493 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058415.D

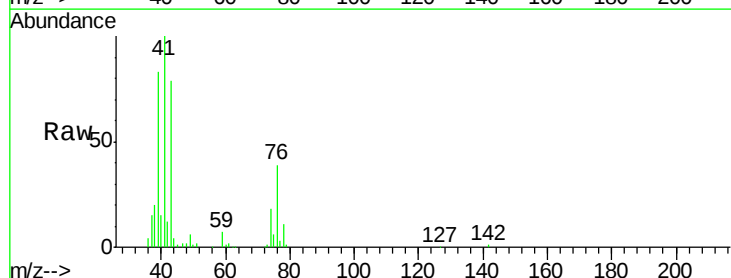
Acq: 27 Sep 2019 17:57

Tgt Ion: 43 Resp: 115310

Ion Ratio Lower Upper

43 100

74 22.4 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.30

40000

30000

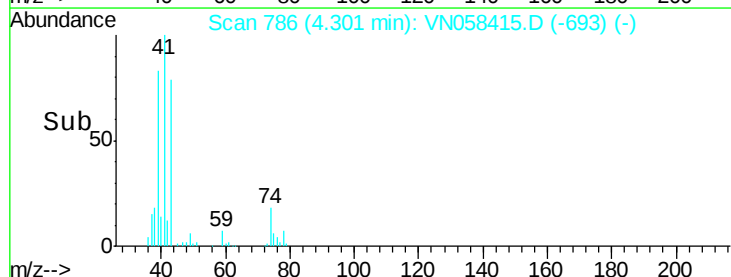
20000

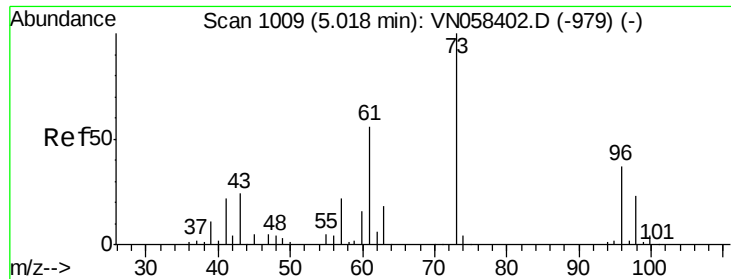
10000

0

Time-->

4.20 4.30 4.40





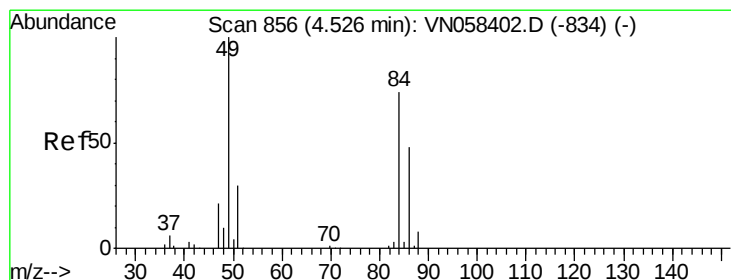
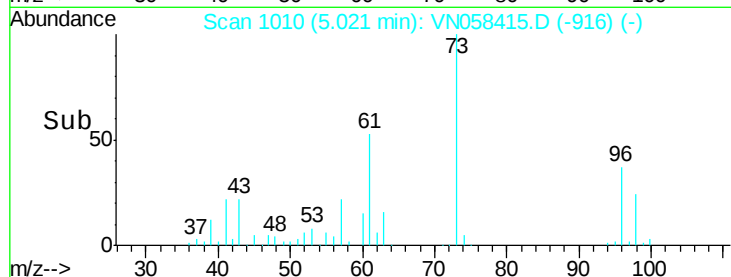
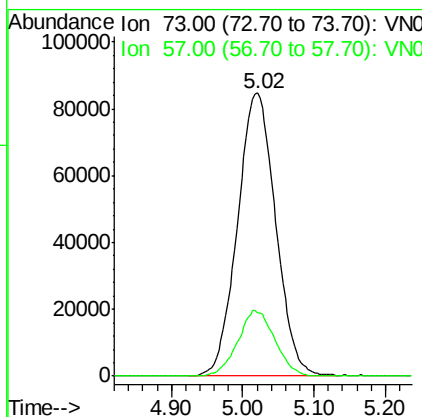
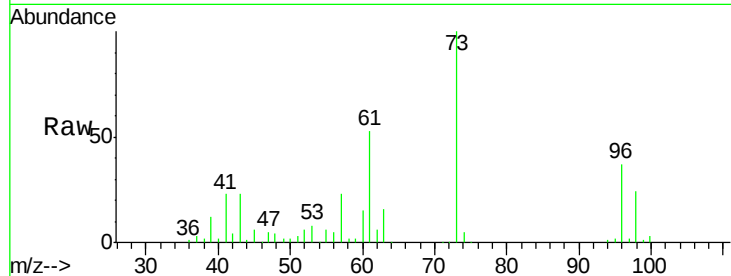
#19
Methvl tert-butvl Ether
Concen: 20.064 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion: 73 Resp: 315312
Ion Ratio Lower Upper
73 100
57 22.5 17.6 26.4

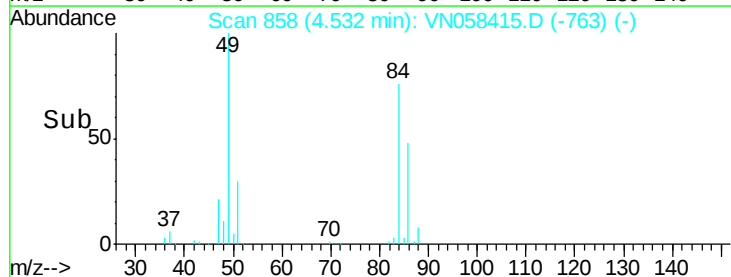
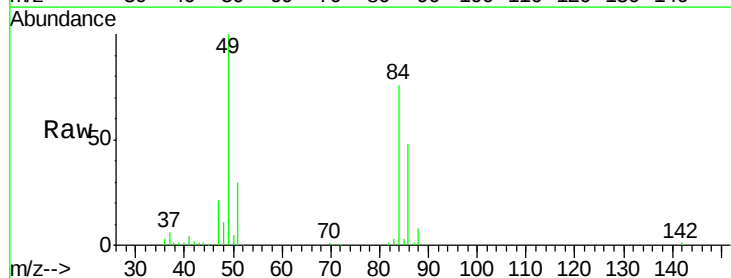
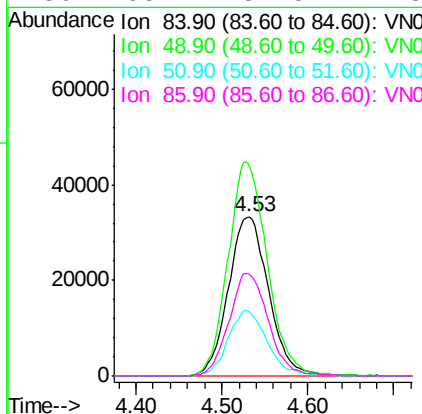
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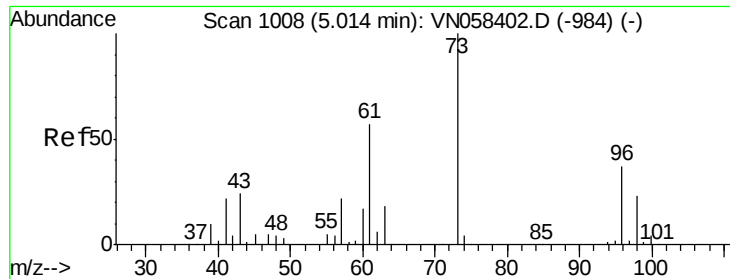
MMDadoda
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#20
Methylene Chloride
Concen: 19.894 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion: 84 Resp: 107980
Ion Ratio Lower Upper
84 100
49 130.9 107.9 161.9
51 39.8 32.8 49.2
86 63.4 51.5 77.3





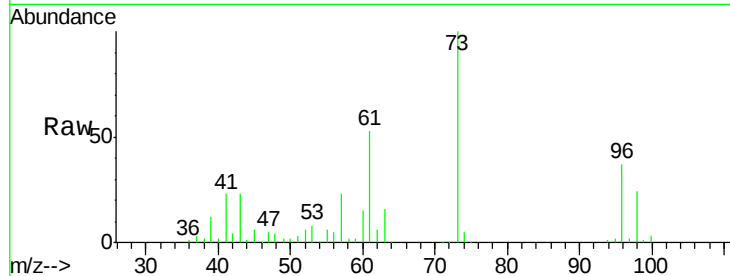
#21
trans-1,2-Dichloroethene
Concen: 20.097 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	142.9	121.9	182.9
98	64.5	49.3	73.9

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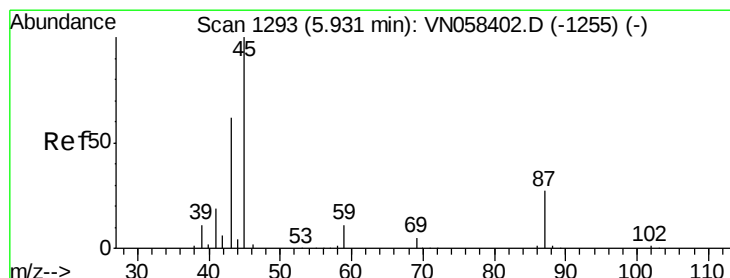
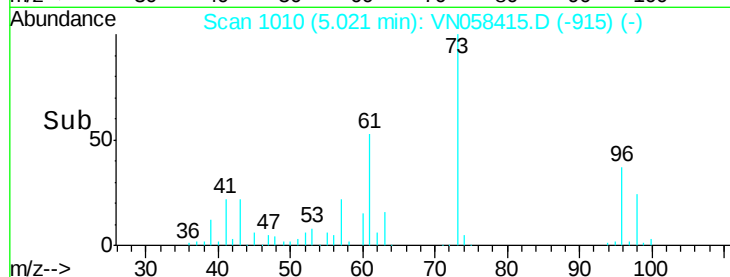
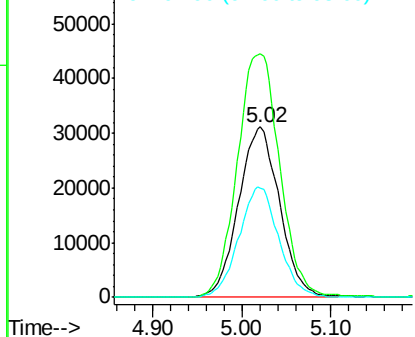


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22
Diisopropyl ether
Concen: 19.982 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. -0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion	Ratio	Lower	Upper
45	100		
43	67.6	49.7	74.5
87	27.0	21.5	32.3
59	11.1	8.9	13.3

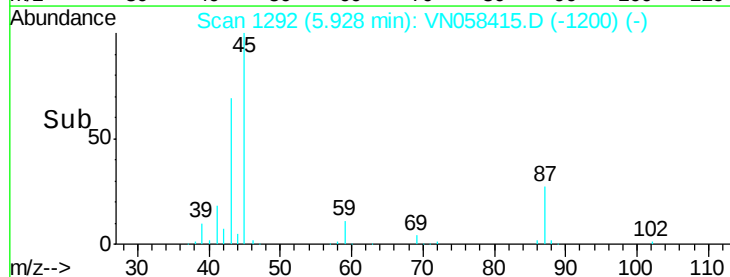
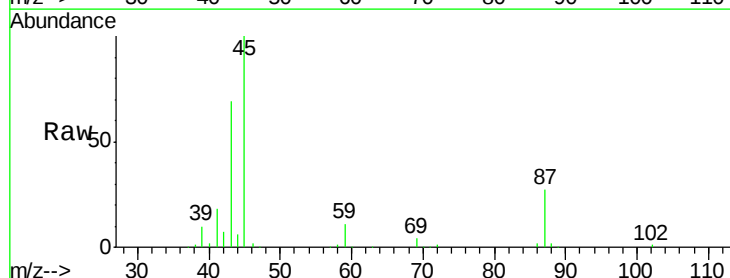
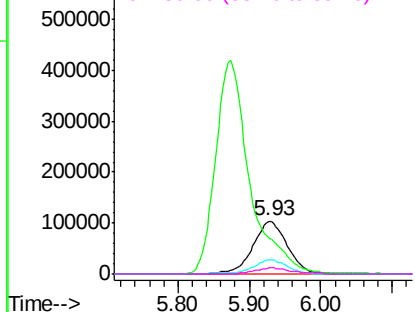
Abundance

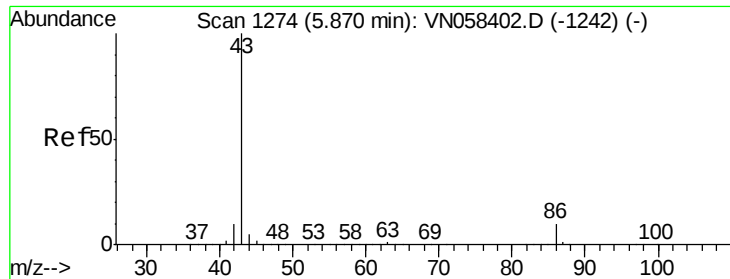
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





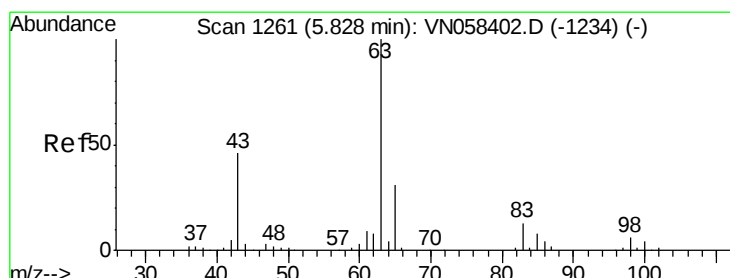
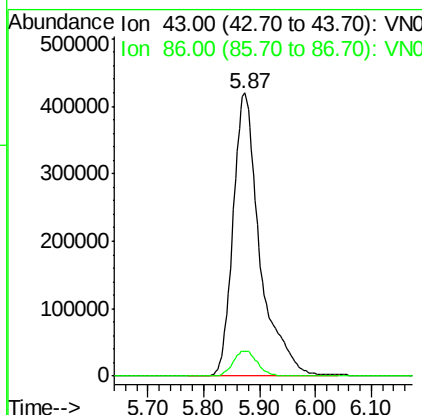
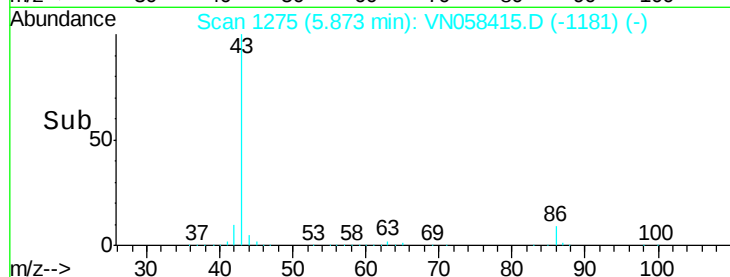
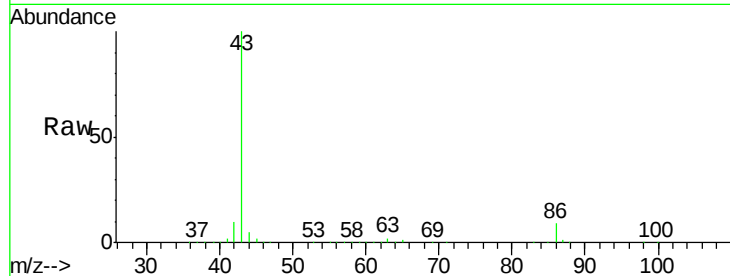
#23
 Vinyl Acetate
 Concen: 106.707 ug/l
 RT: 5.87 min Scan# 1275
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Tot Ion: 43 Resp: 1403373
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.7 11.5

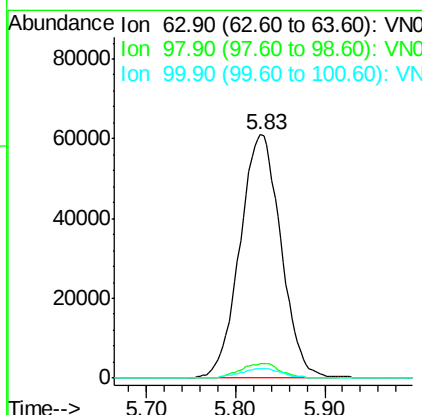
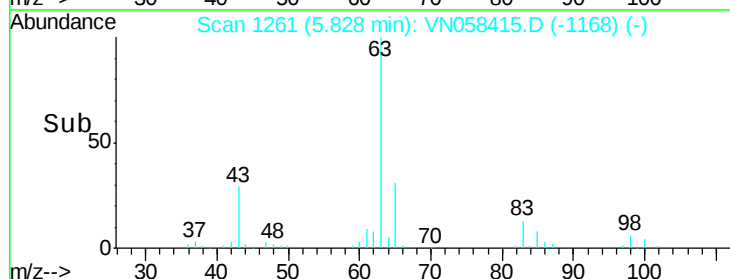
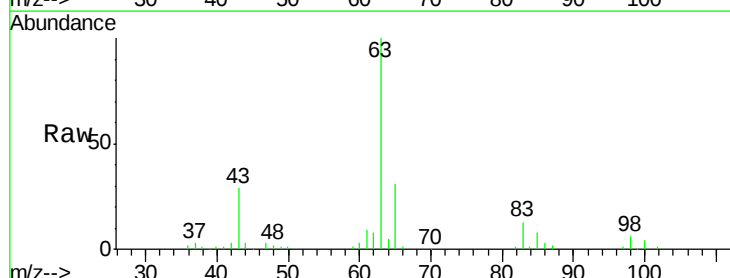
Manual Integrations
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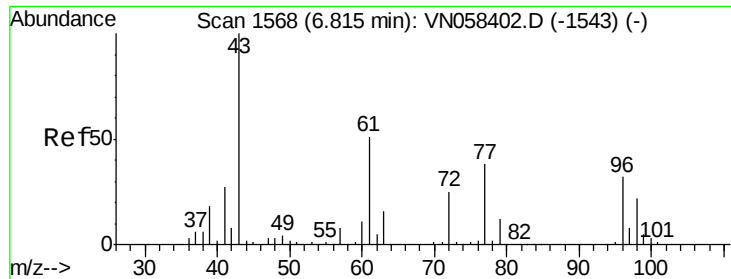
MMDadoda
 9/30/2019 10:19:00 AM



#24
 1,1-Dichloroethane
 Concen: 19.849 ug/l
 RT: 5.83 min Scan# 1261
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion: 63 Resp: 194850
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.0 9.0
 100 3.8 2.0 5.8





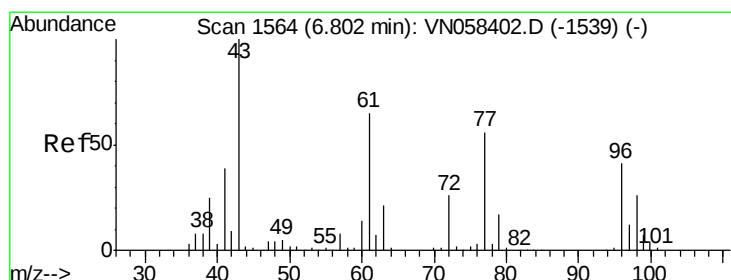
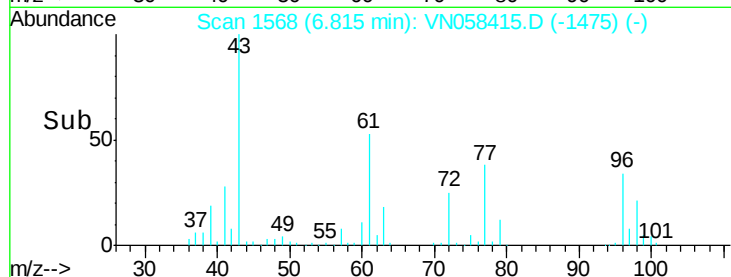
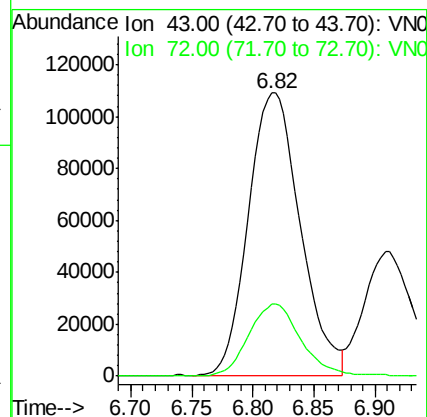
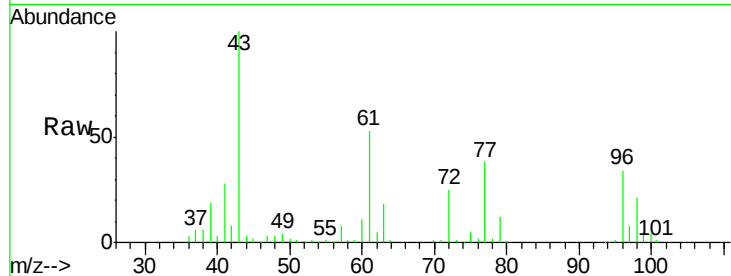
#25
2-Butanone
Concen: 99.517 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion: 43 Resp: 321363
Ion Ratio Lower Upper
43 100
72 25.4 20.2 30.4

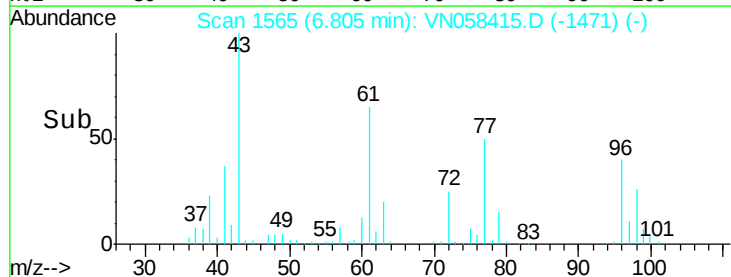
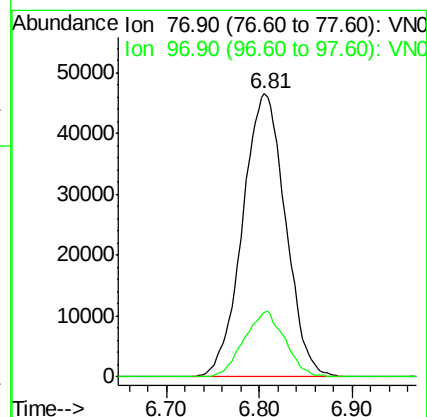
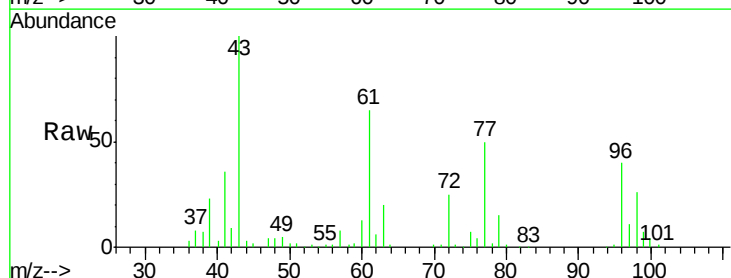
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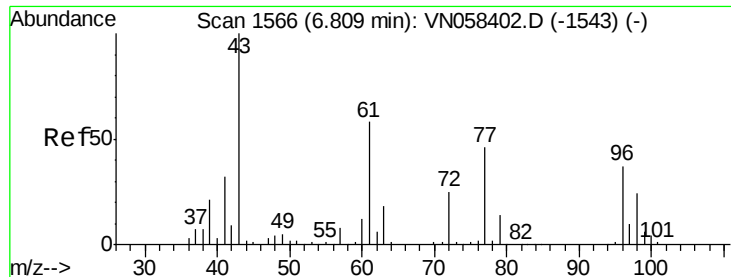
MMDadoda
9/30/2019 10:19:00 AM



#26
2,2-Dichloropropane
Concen: 18.572 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion: 77 Resp: 149876
Ion Ratio Lower Upper
77 100
97 22.0 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 19.614 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

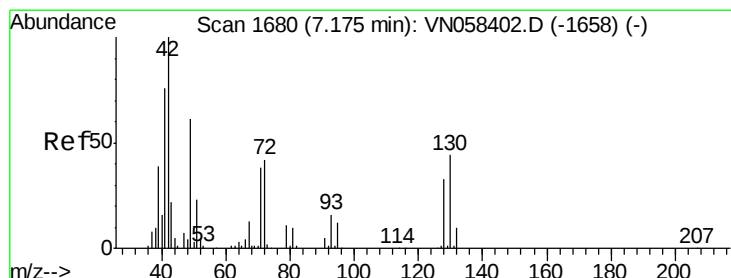
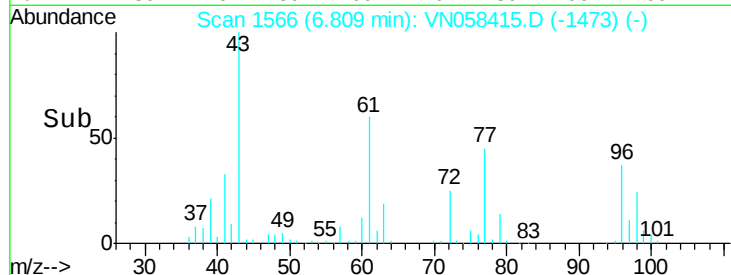
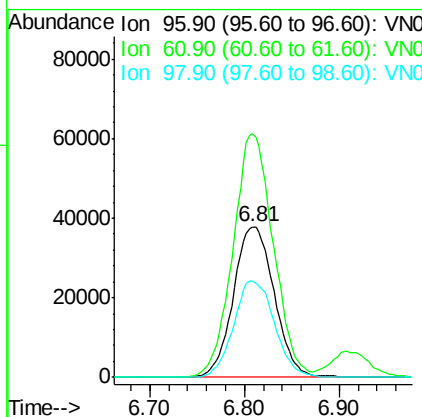
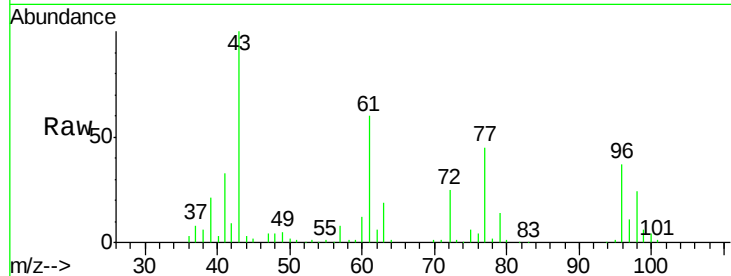
ClientSampleId :

VN0927WBSD01

Tot Ion:	96	Resp:	113538
Ion Ratio	Lower	Upper	
96	100		
61	159.8	0.0	318.8
98	64.3	0.0	129.8

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#28

Bromochloromethane

Concen: 20.930 ug/l

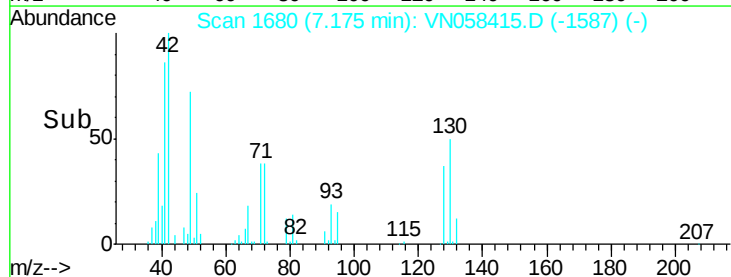
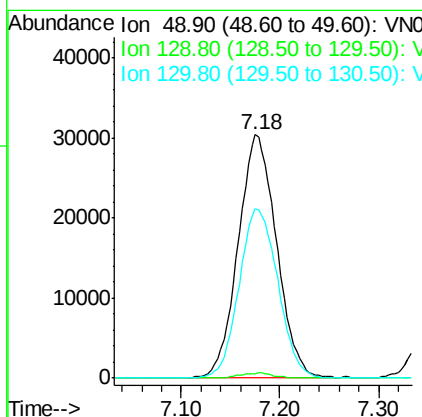
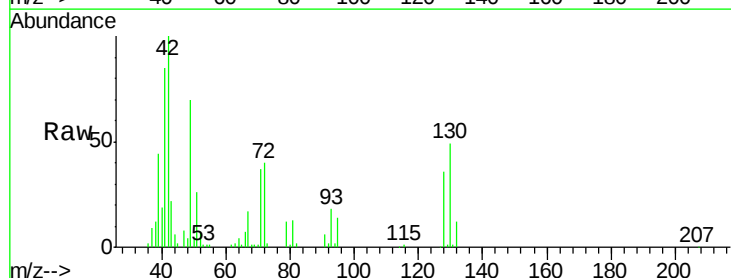
RT: 7.18 min Scan# 1680

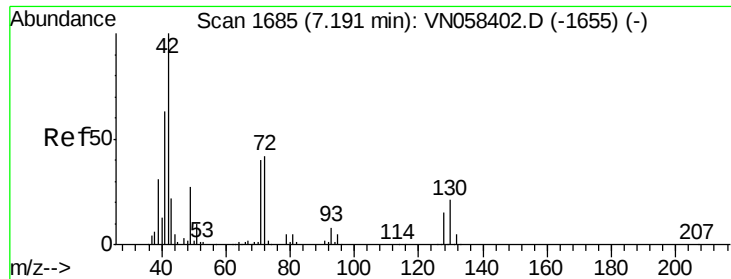
Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Tgt Ion:	49	Resp:	82129
Ion Ratio	Lower	Upper	
49	100		
129	1.6	0.0	3.4
130	70.2	56.3	84.5





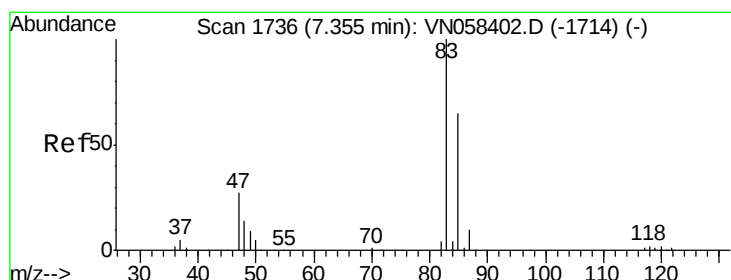
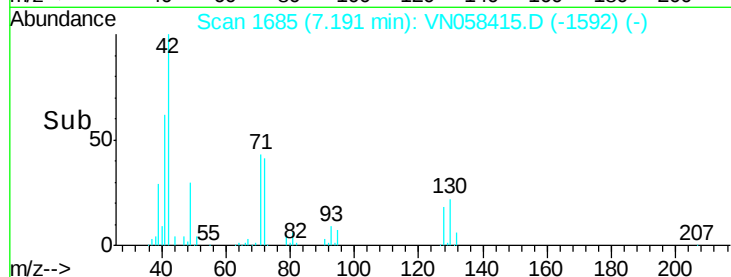
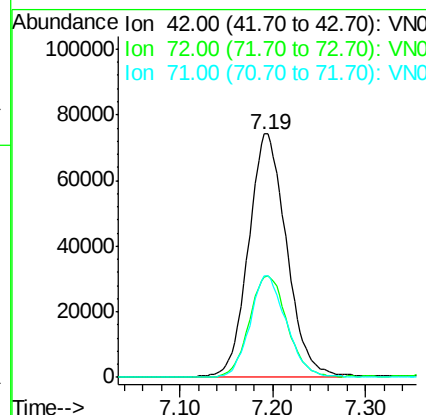
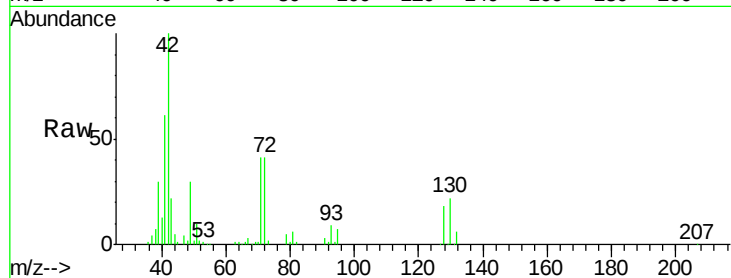
#29
Tetrahydrofuran
Concen: 102.498 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.7	50.5
71	40.4	31.8	47.6

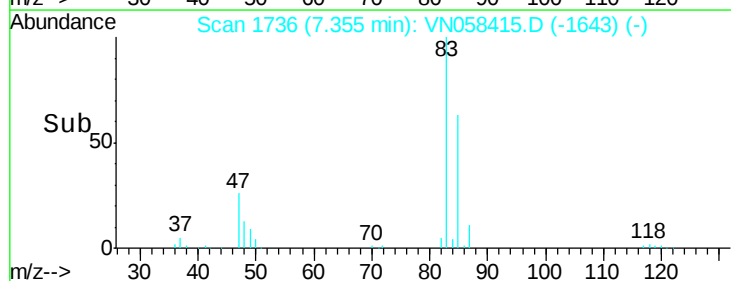
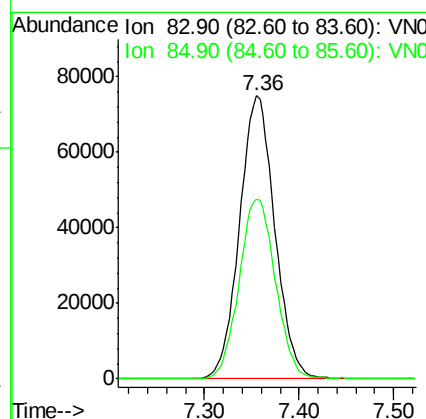
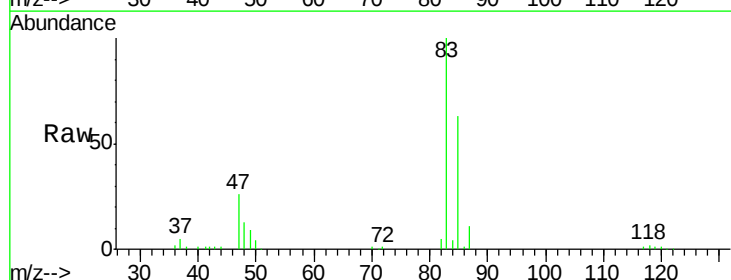
Manual Integrations
APPROVED

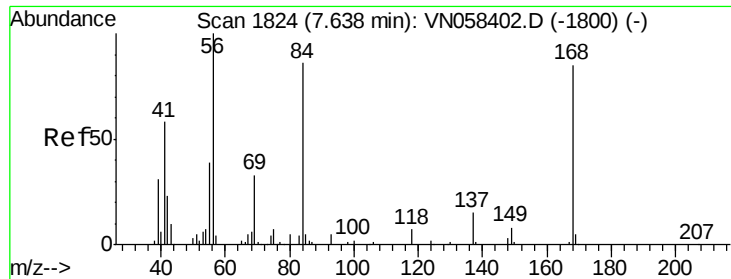
MMDadoda
9/30/2019 10:19:00 AM



#30
Chloroform
Concen: 19.509 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.0	78.0





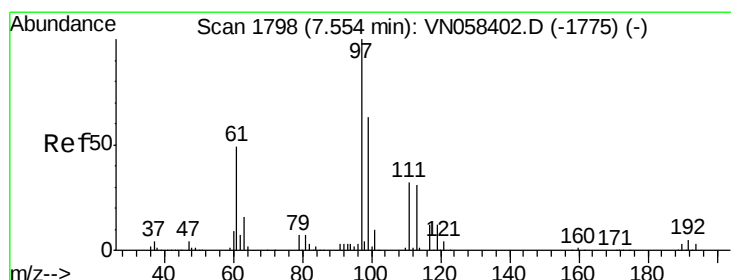
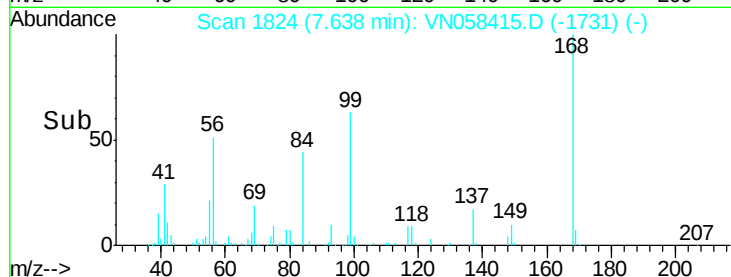
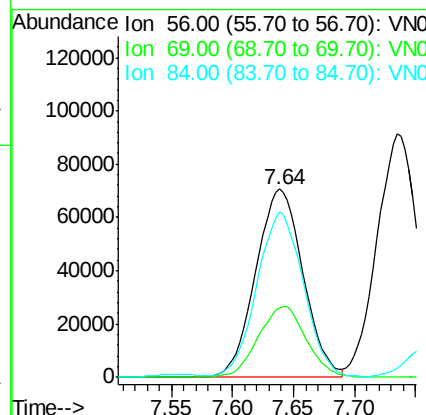
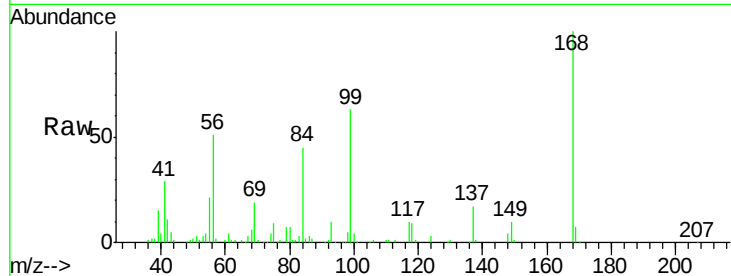
#31
Cvclohexane
Concen: 19.959 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.1	26.2	39.4
84	86.5	67.6	101.4

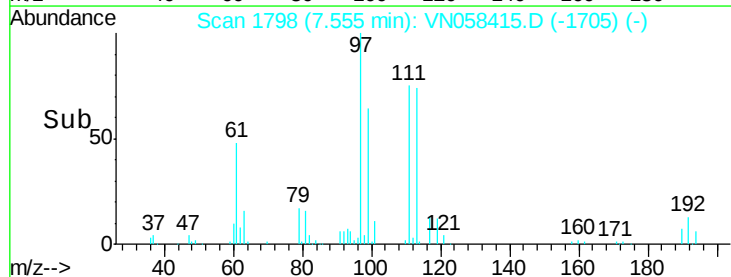
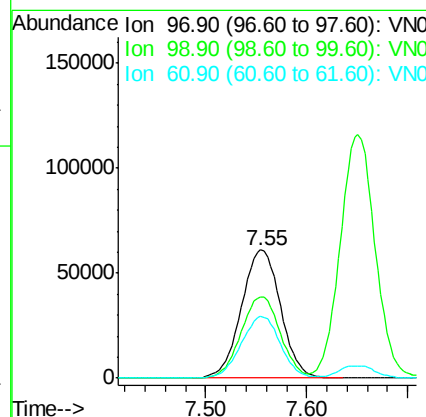
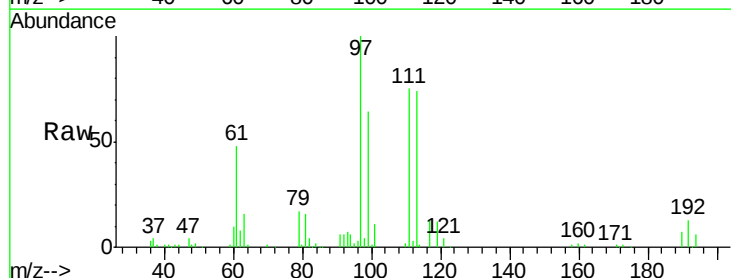
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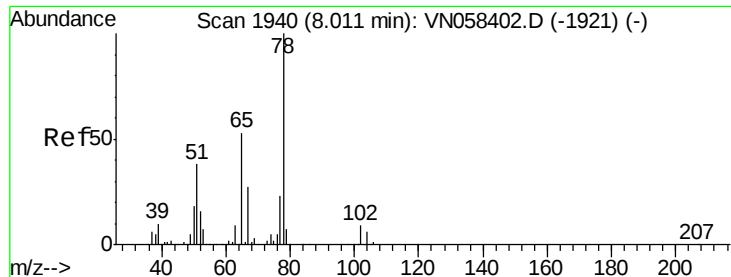
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#32
1,1,1-Trichloroethane
Concen: 20.148 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.1	76.7
61	48.1	39.2	58.8





#33

1,2-Dichloroethane-d4

Concen: 49.554 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion: 65 Resp: 341904

Ion Ratio Lower Upper

65 100

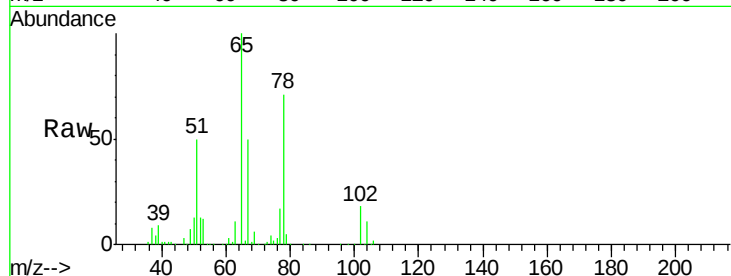
67 50.9 0.0 102.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN058415.D (-1847) (-)

Ion 66.90 (66.60 to 67.60): VN058415.D (-1847) (-)

8.01

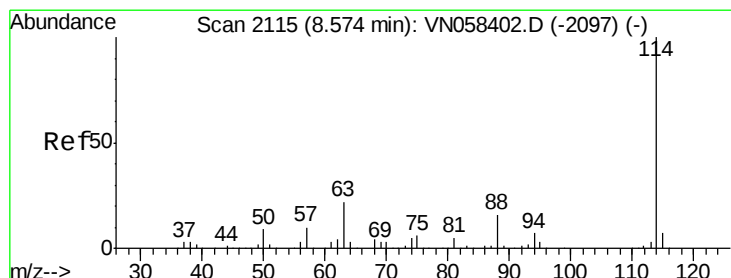
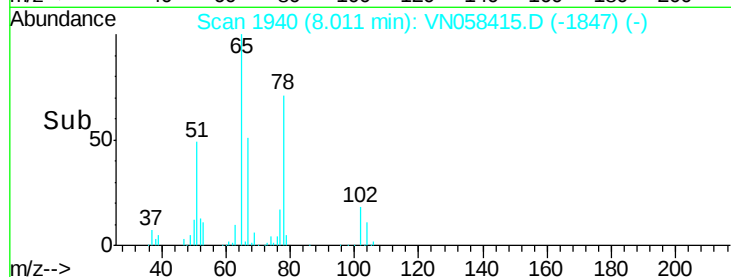
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

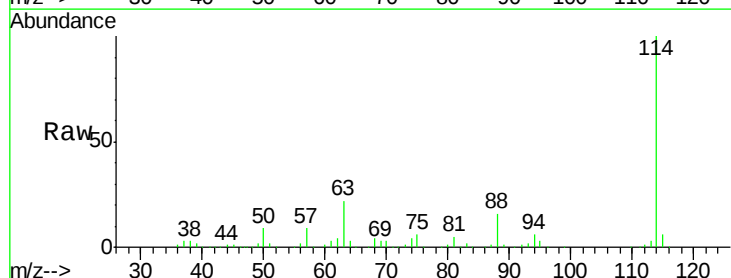
Tgt Ion: 114 Resp: 785365

Ion Ratio Lower Upper

114 100

63 22.4 0.0 45.0

88 16.3 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): VN058415.D (-2022) (-)

Ion 63.00 (62.70 to 63.70): VN058415.D (-2022) (-)

Ion 87.90 (87.60 to 88.60): VN058415.D (-2022) (-)

8.57

500000

400000

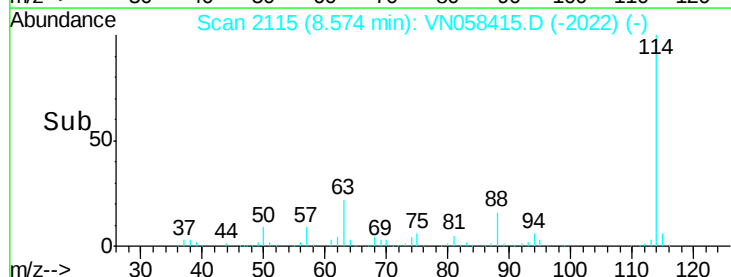
300000

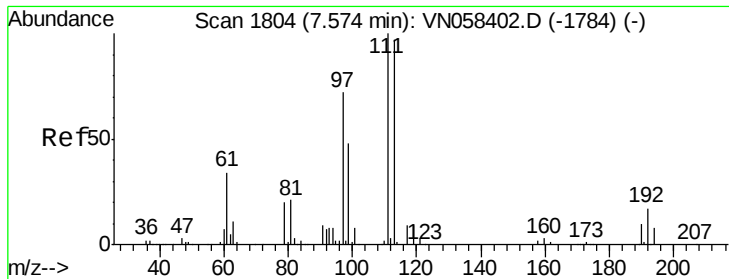
200000

100000

0

Time-->





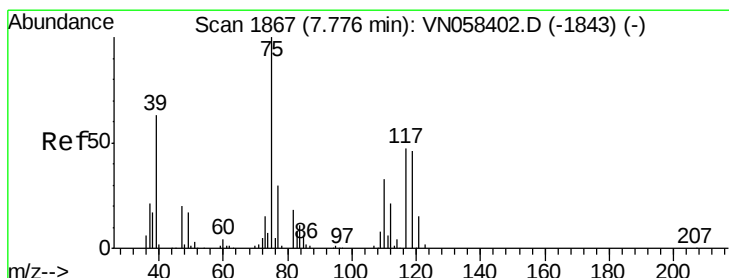
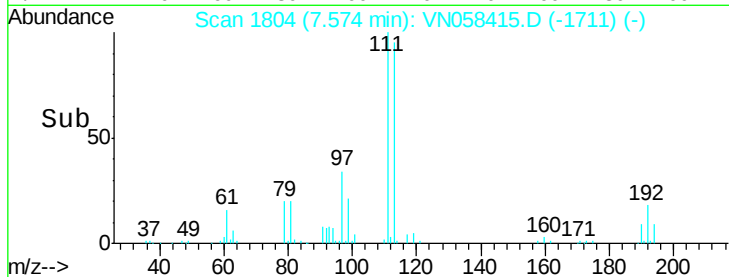
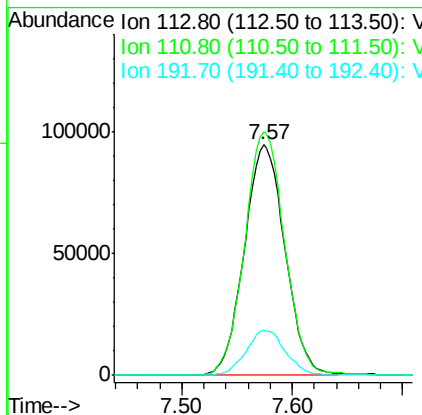
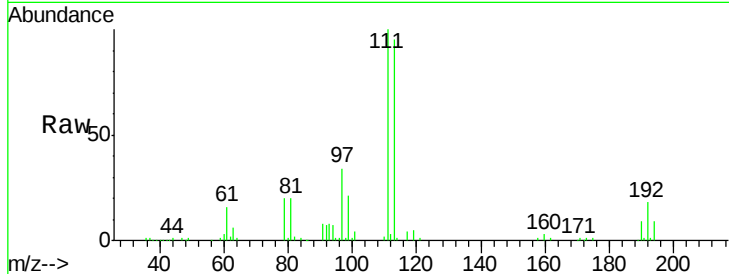
#35
Dibromofluoromethane
Concen: 50.151 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	241400		
111	104.1	83.4	125.2	
192	19.1	14.9	22.3	

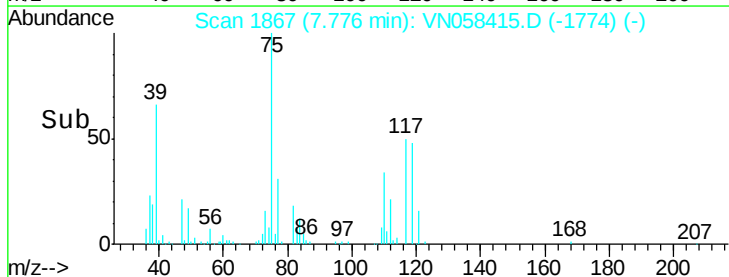
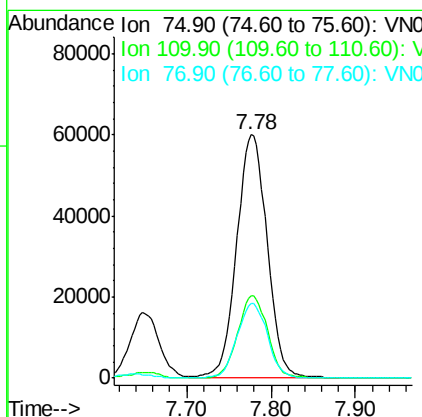
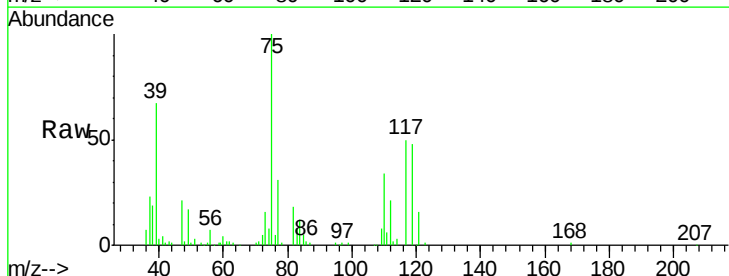
Manual Integrations
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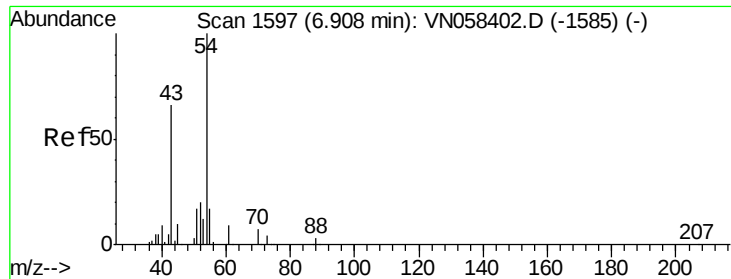
MMDadoda
9/30/2019 10:19:00 AM



#36
1,1-Dichloropropene
Concen: 20.051 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	150573		
110	33.4	16.4	49.2	
77	30.6	24.3	36.5	





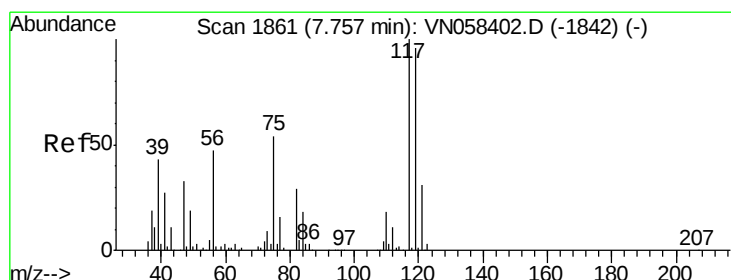
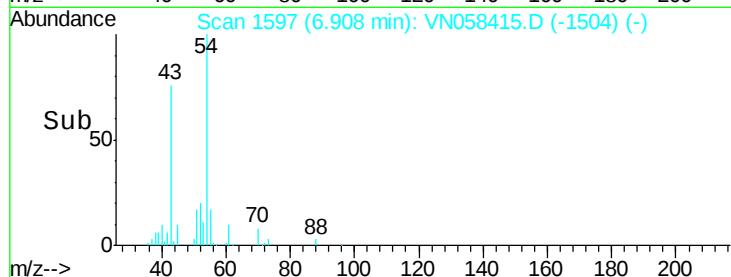
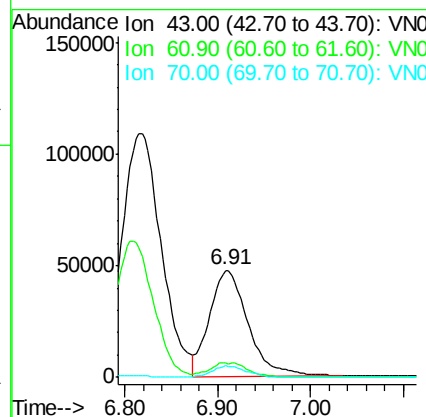
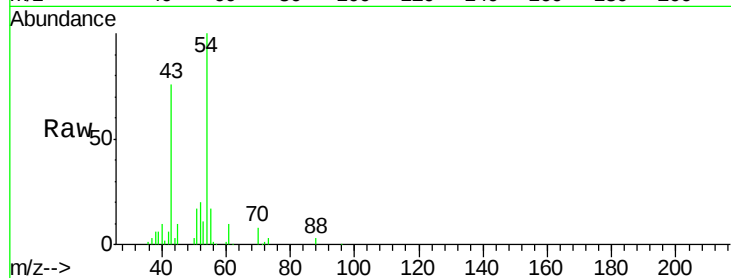
#37
Ethyl Acetate
Concen: 21.434 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleID :
VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.5	15.7
70	9.6	7.8	11.6

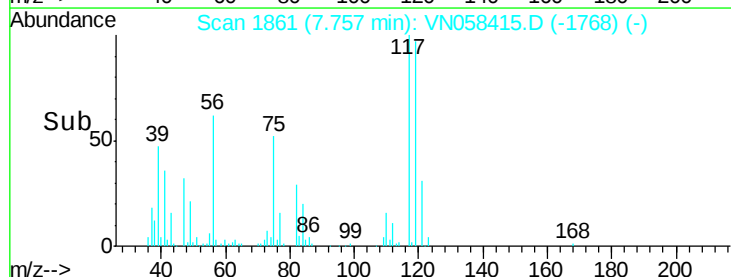
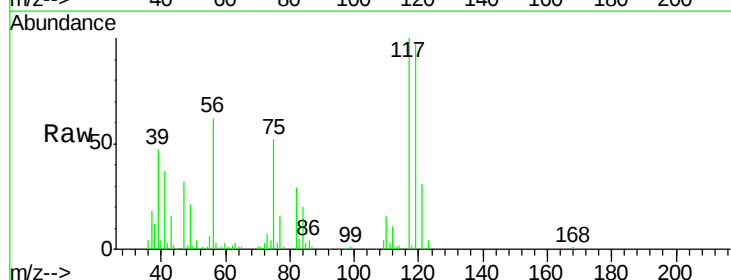
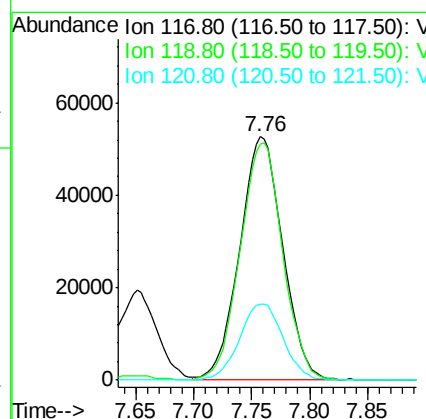
Manual Integrations
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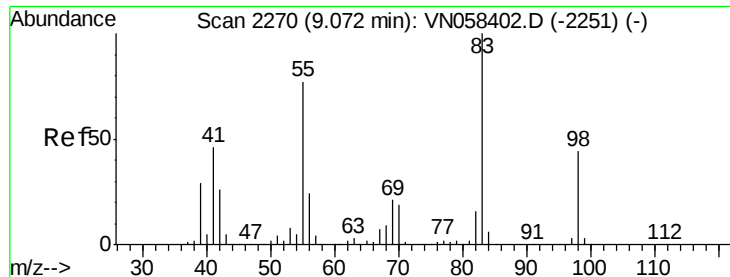
MMDadoda
9/30/2019 10:19:00 AM



#38
Carbon Tetrachloride
Concen: 19.909 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	76.6	115.0
121	31.1	24.7	37.1





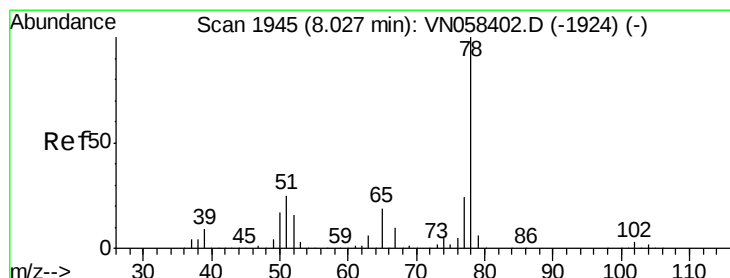
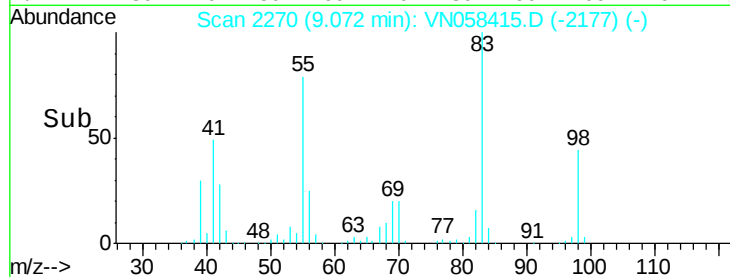
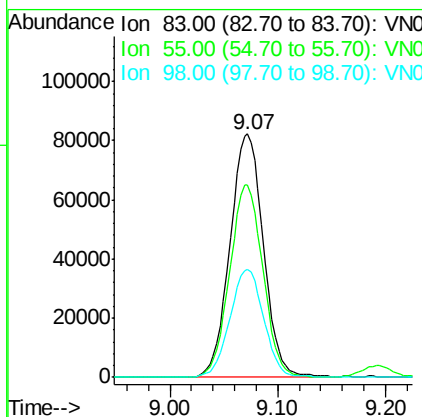
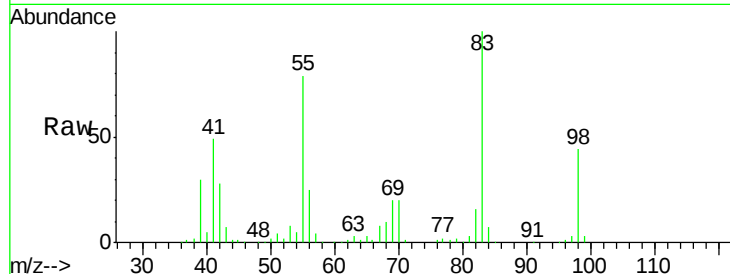
#39
Methvlcvclohexane
Concen: 20.300 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	178027		
55	78.9	61.8	92.6	
98	44.3	35.4	53.0	

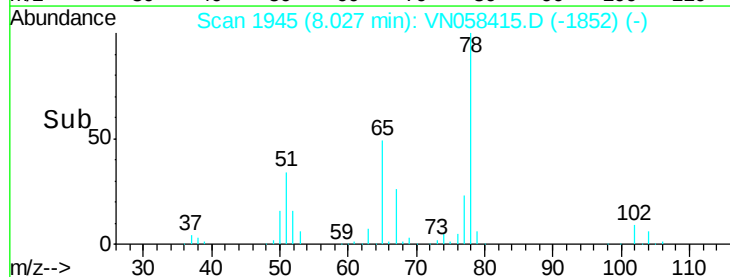
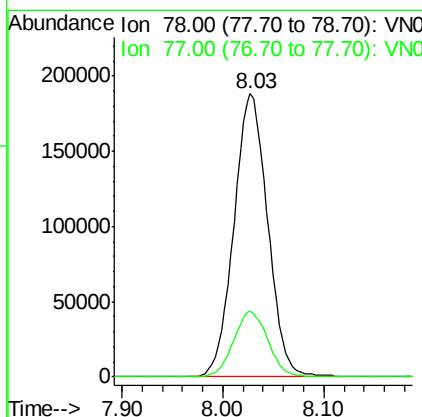
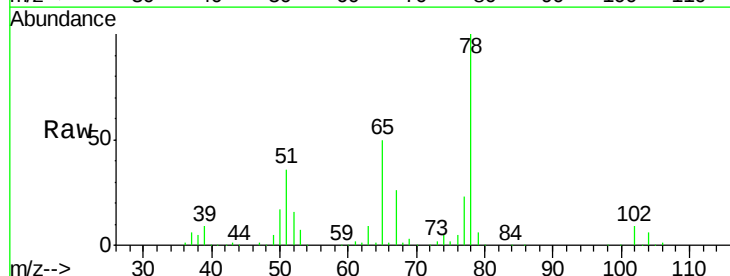
Manual Integrations
APPROVED

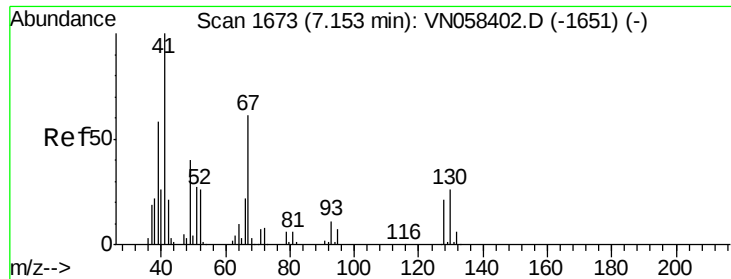
MMDadoda
9/30/2019 10:19:00 AM



#40
Benzene
Concen: 20.261 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	437364		
77	23.2	18.9	28.3	





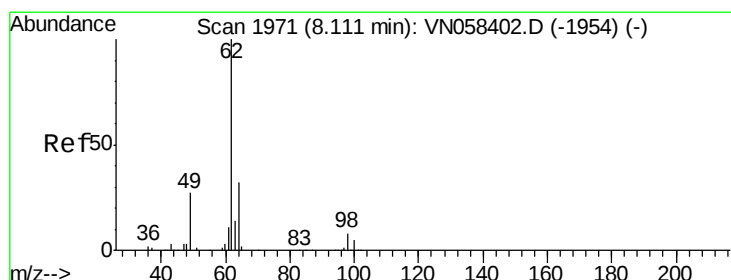
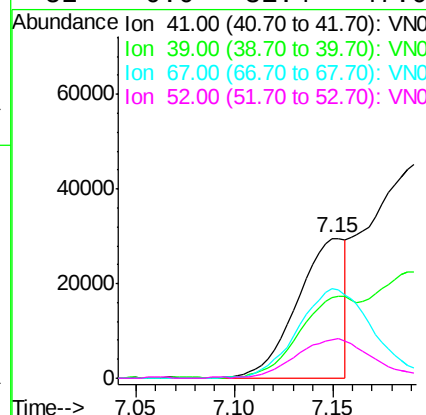
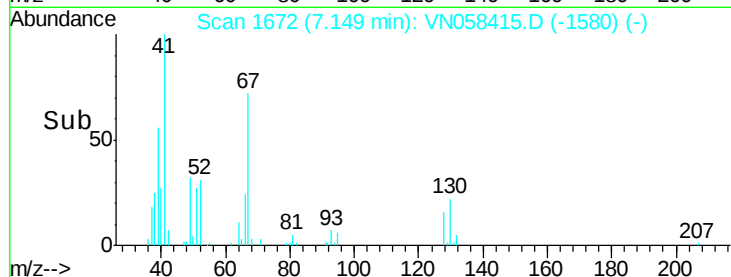
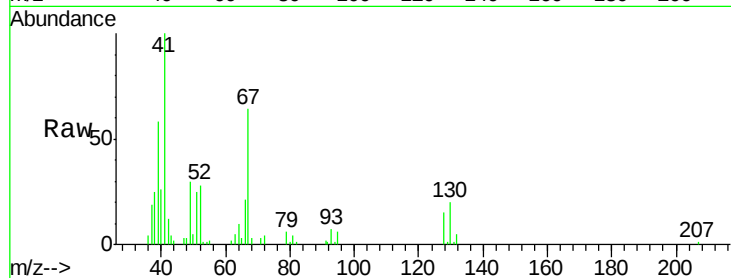
#41
Methacrylonitrile
Concen: 16.988 ug/l m
RT: 7.15 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.4#
67	0.0	70.2	105.4#
52	0.0	31.4	47.0#

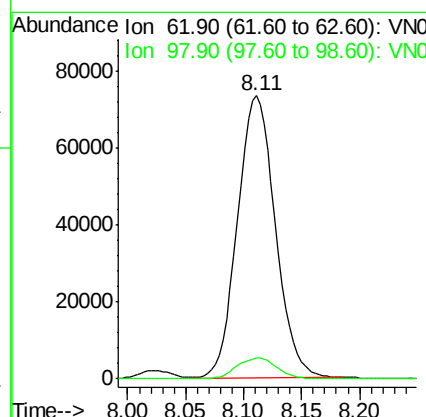
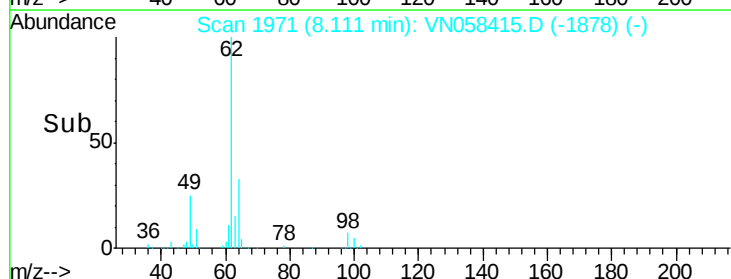
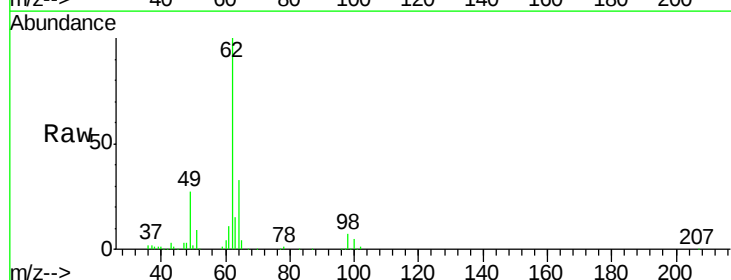
Manual Integrations
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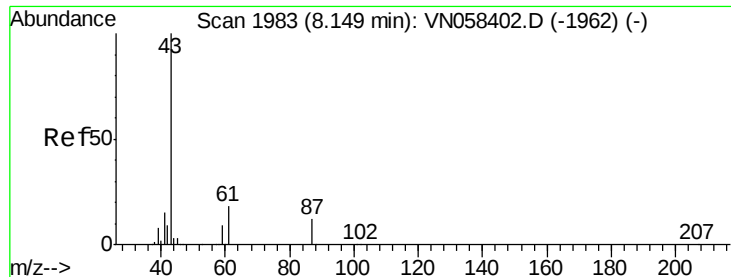
MMDadoda
9/30/2019 10:19:00 AM



#42
1,2-Dichloroethane
Concen: 19.873 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.6





#43

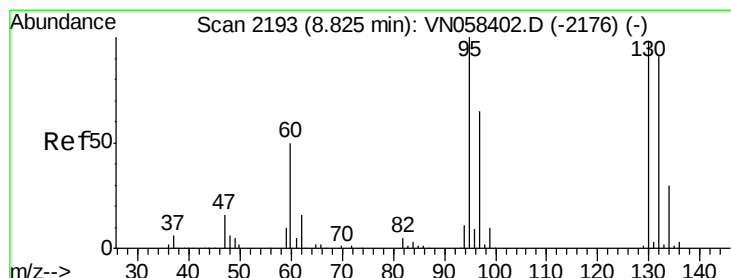
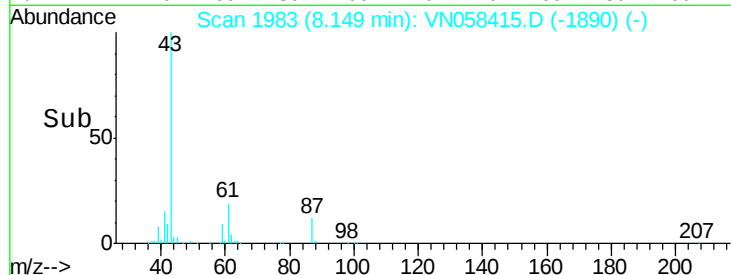
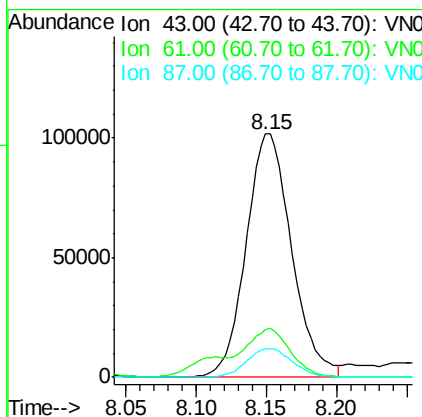
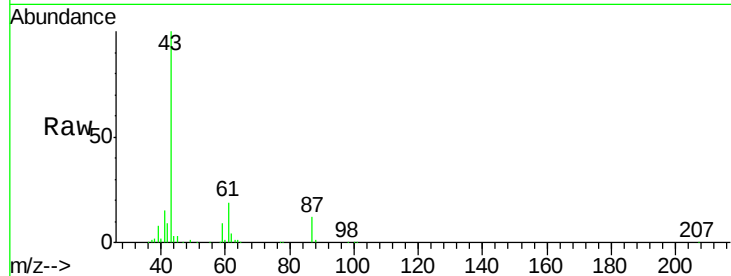
Isopropyl Acetate
 Concen: 19.089 ug/l
 RT: 8.15 min Scan# 1983
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0927WBSD01

Tot Ion:	43	Resp:	228544
Ion	Ratio	Lower	Upper
43	100		
61	19.3	14.8	22.2
87	12.0	9.7	14.5

Manual Integrations
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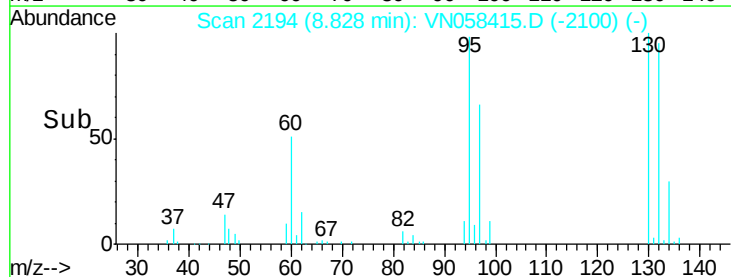
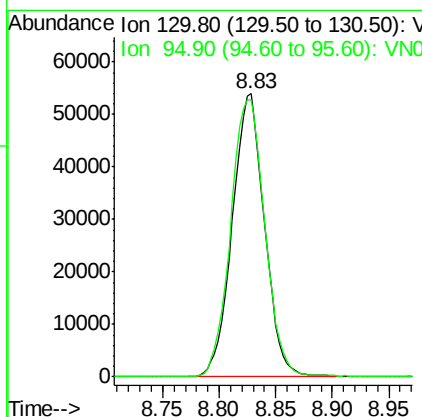
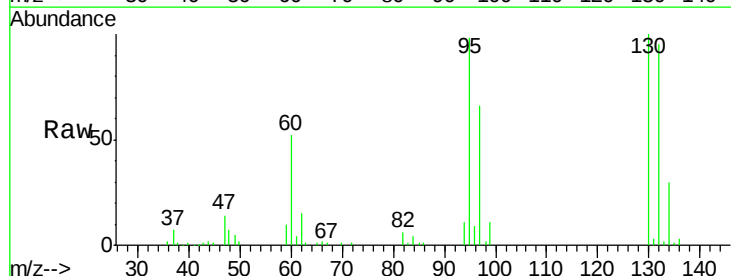
MMDadoda
 9/30/2019 10:19:00 AM

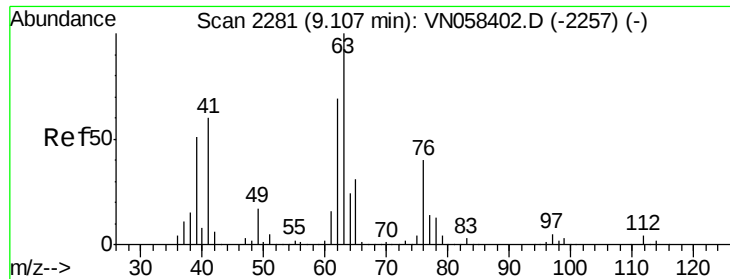


#44

Trichloroethene
 Concen: 20.078 ug/l
 RT: 8.83 min Scan# 2194
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion:	130	Resp:	107018
Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	204.2





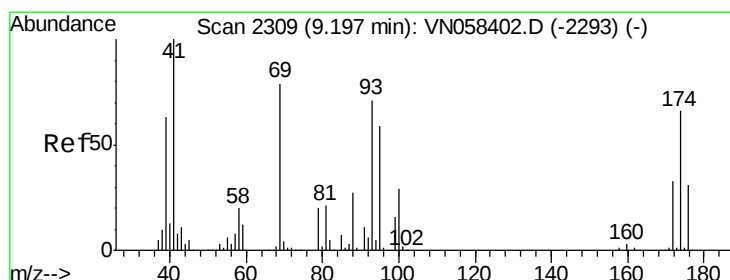
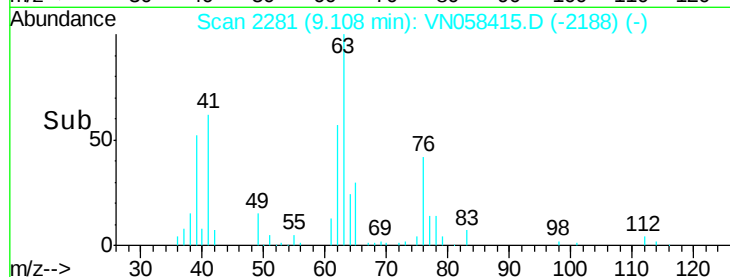
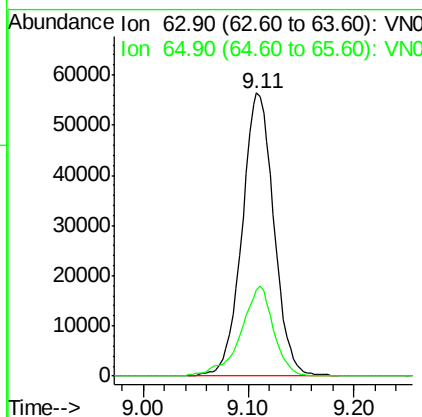
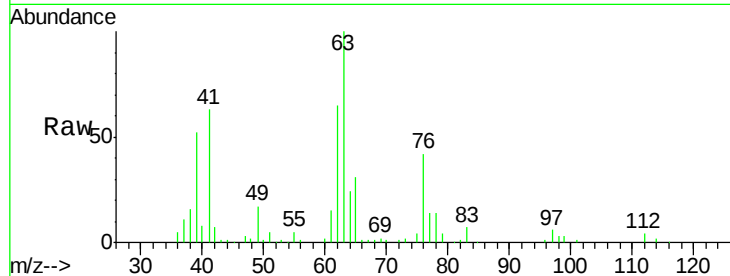
#45
 1,2-Dichloropropane
 Concen: 20.404 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Tot Ion: 63 Resp: 118123
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.4

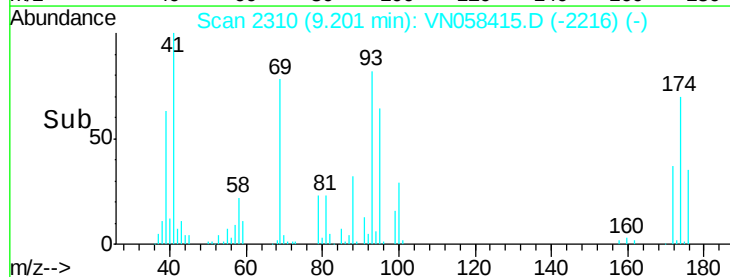
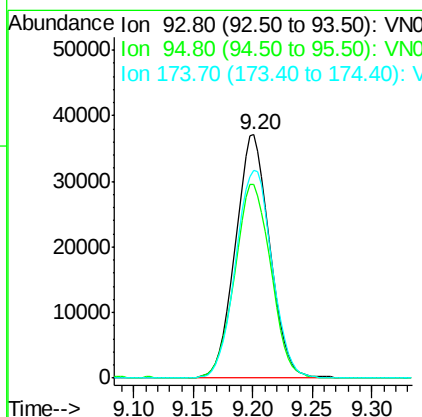
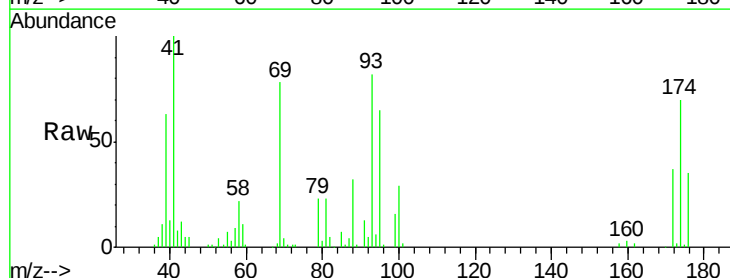
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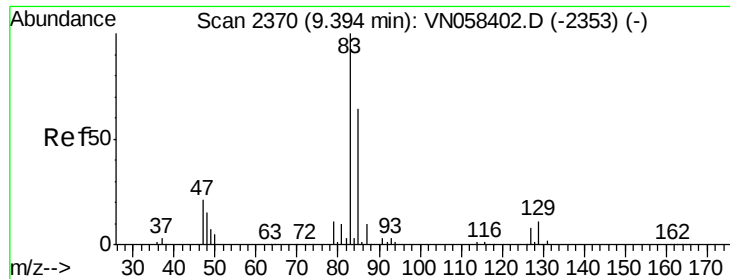
MMDadoda
 9/30/2019 10:19:00 AM



#46
 Dibromomethane
 Concen: 20.282 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion: 93 Resp: 74360
 Ion Ratio Lower Upper
 93 100
 95 83.4 67.0 100.4
 174 90.4 74.2 111.2





#47

Bromodichloromethane

Concen: 20.176 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

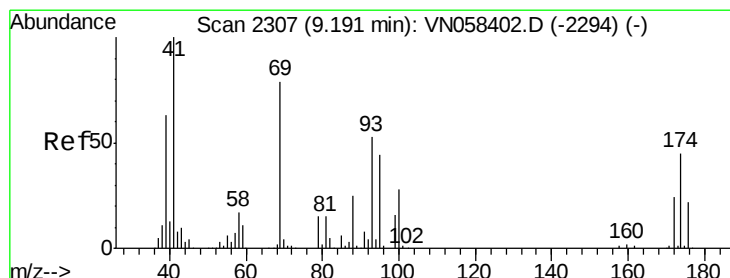
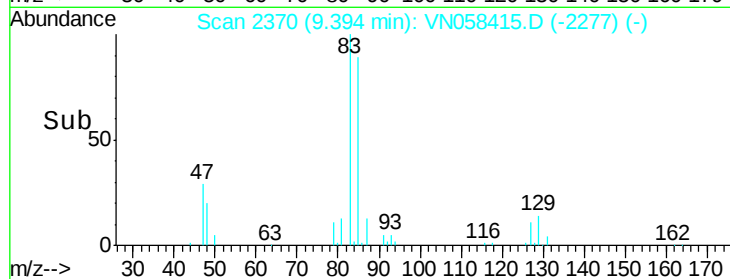
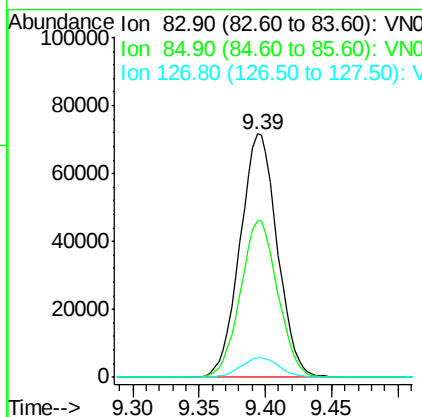
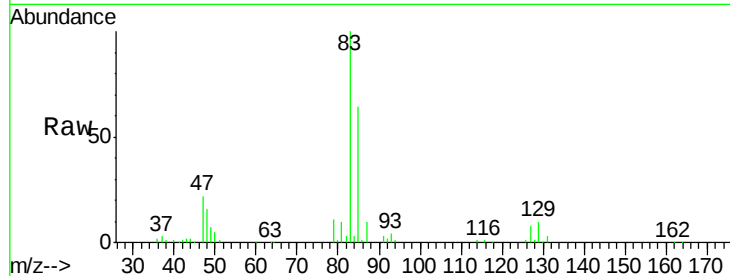
ClientSampleId :

VN0927WBSD01

Tot Ion:	83	Resp:	140153
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.2	76.8
127	8.0	6.3	9.5

Manual Integrations
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MMDadoda
9/30/2019 10:19:00 AM



#48

Methyl methacrylate

Concen: 20.034 ug/l

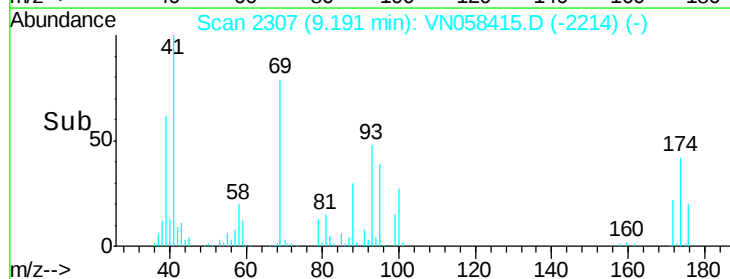
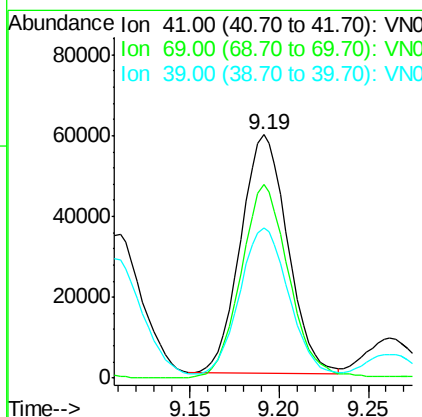
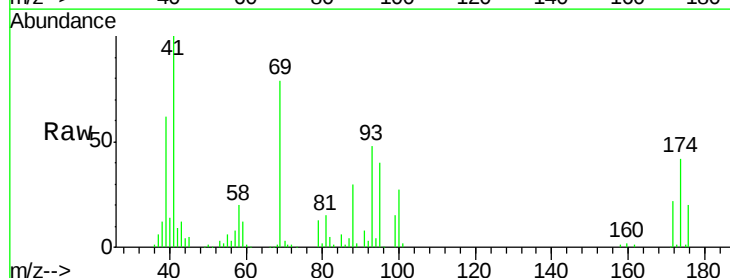
RT: 9.19 min Scan# 2307

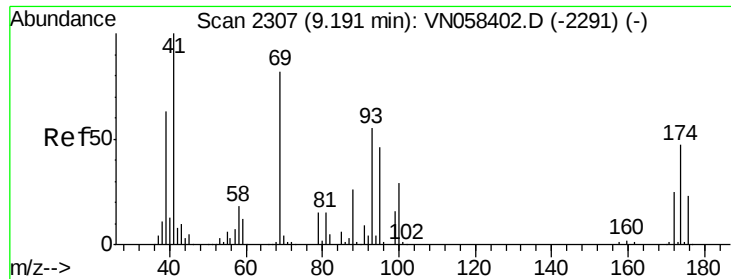
Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Tgt Ion:	41	Resp:	109220
Ion Ratio	Lower	Upper	
41	100		
69	82.7	64.7	97.1
39	63.7	52.9	79.3





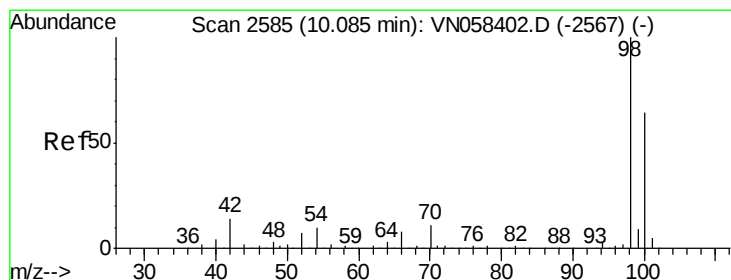
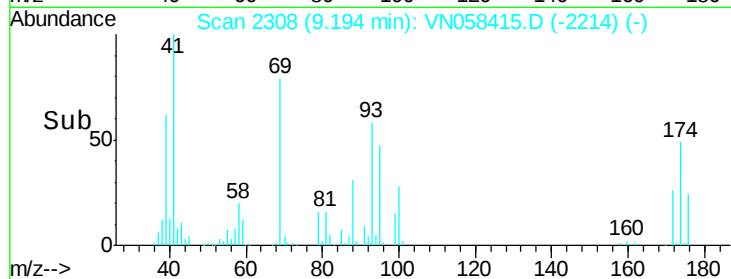
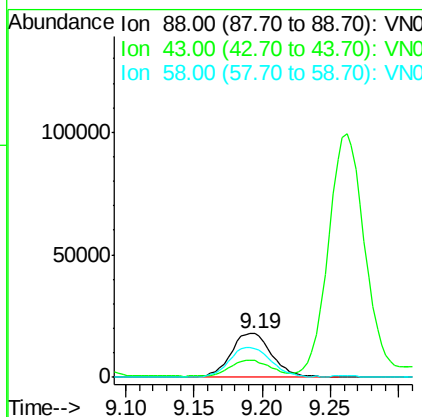
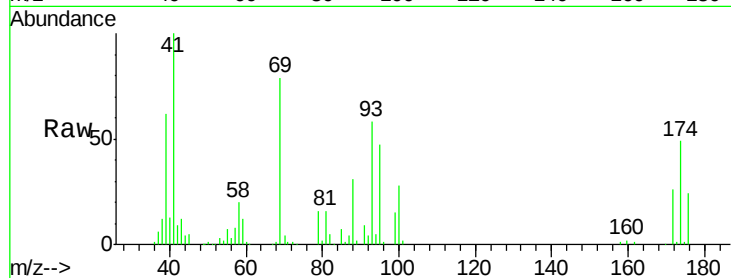
#49
 1,4-Dioxane
 Concen: 516.854 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.6	31.1	46.7
58	70.0	58.1	87.1

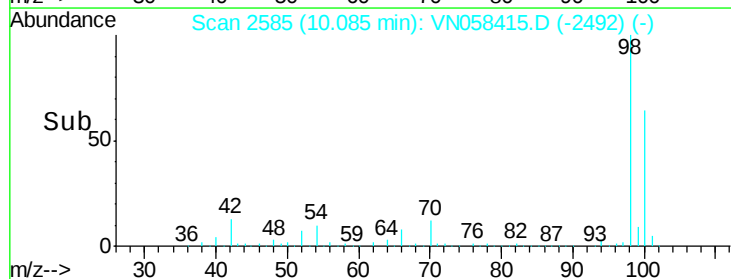
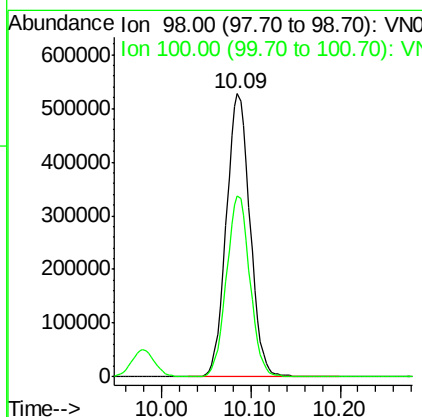
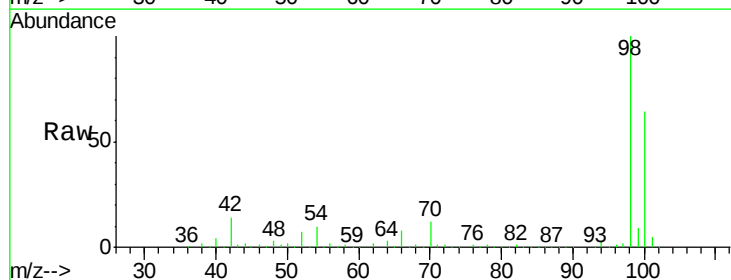
Manual Integrations
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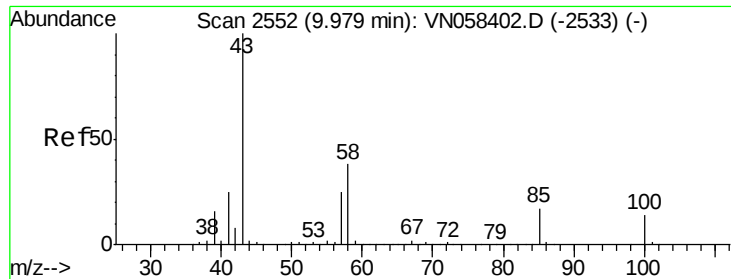
MMDadoda
 9/30/2019 10:19:00 AM



#50
 Toluene-d8
 Concen: 51.459 ug/l
 RT: 10.09 min Scan# 2585
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 109.859 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion: 43 Resp: 675629

Ion Ratio Lower Upper

43 100

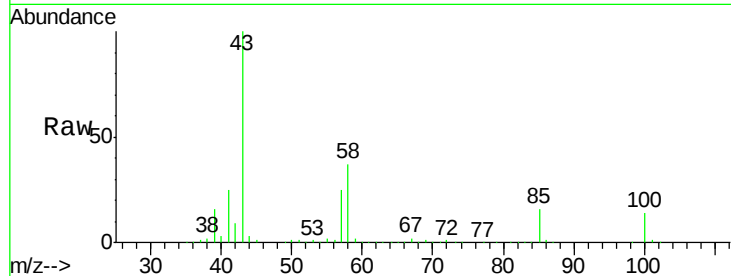
58 37.2 30.2 45.2

Manual Integrations

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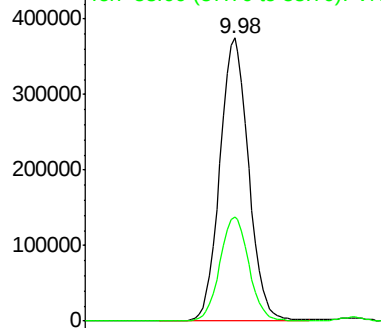
MMDadoda

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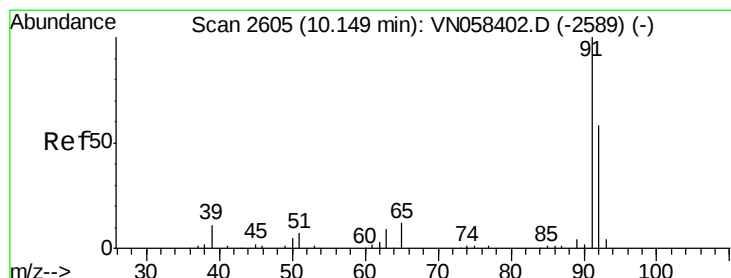
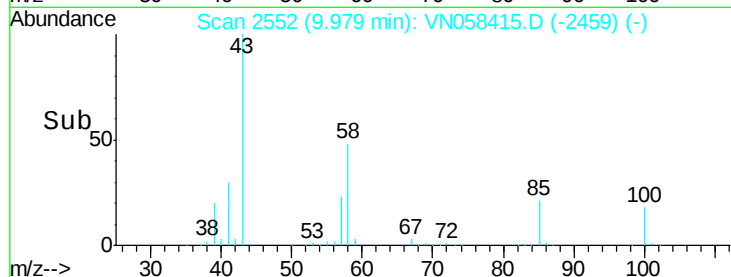


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#52

Toluene

Concen: 21.715 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058415.D

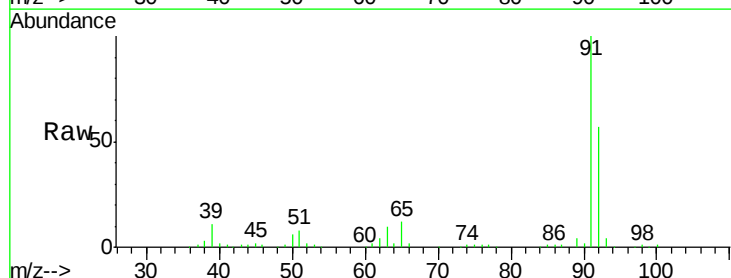
Acq: 27 Sep 2019 17:57

Tgt Ion: 92 Resp: 295041

Ion Ratio Lower Upper

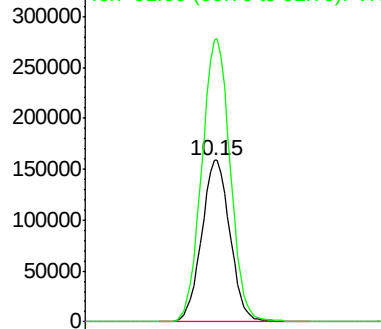
92 100

91 176.4 140.2 210.4

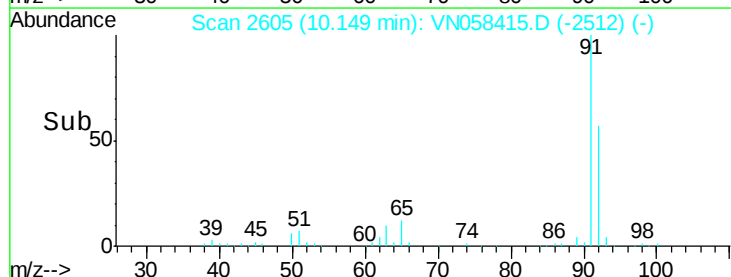


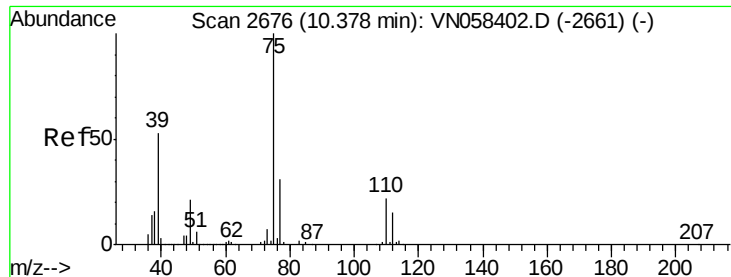
Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



Time-->





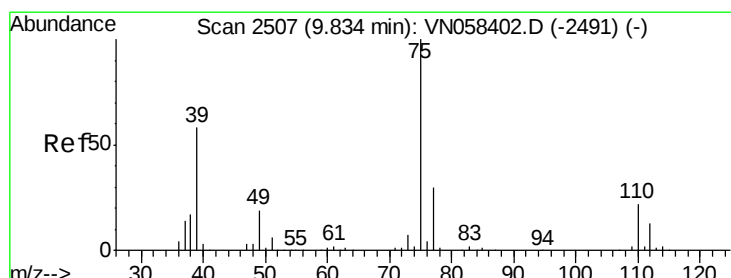
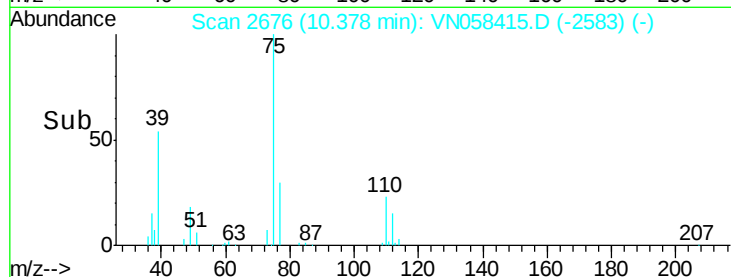
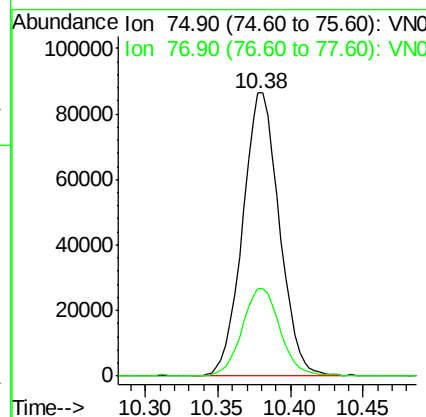
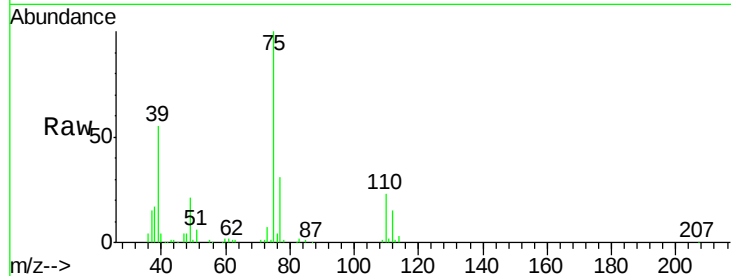
#53
t-1,3-Dichloropropene
Concen: 20.187 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleID :
VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.2	37.8

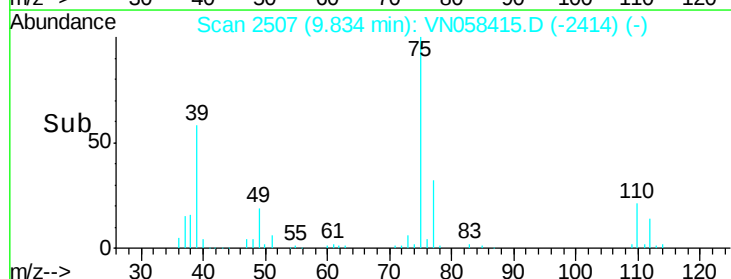
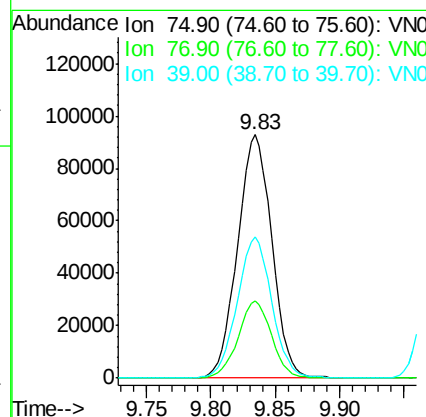
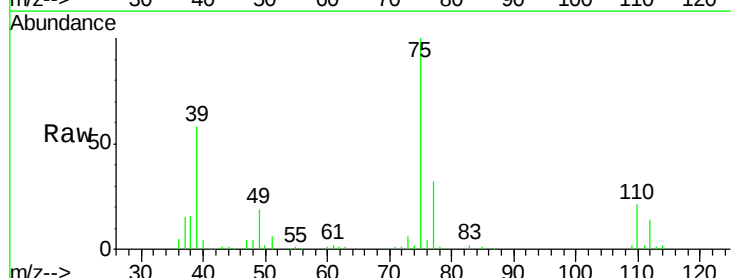
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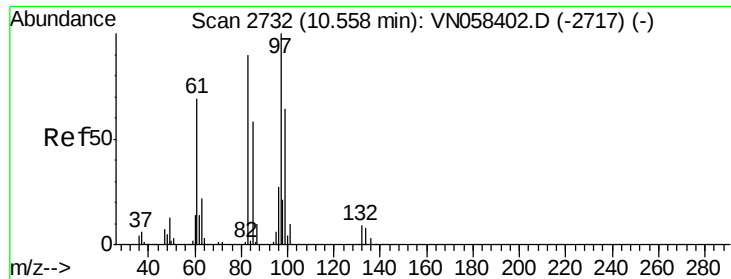
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#54
cis-1,3-Dichloropropene
Concen: 20.464 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.2	36.4
39	57.7	46.4	69.6





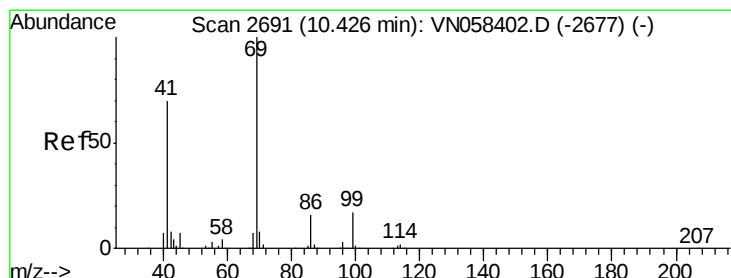
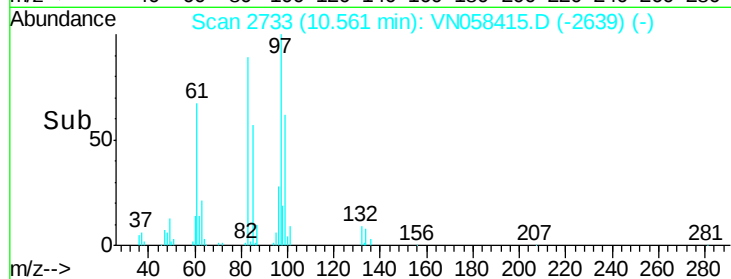
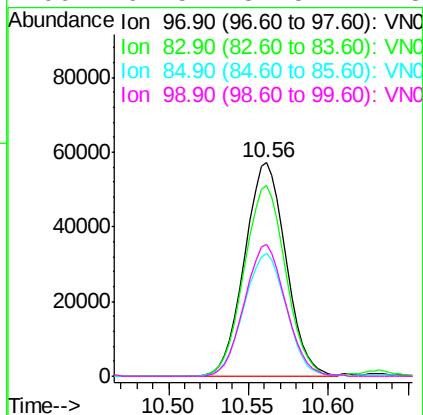
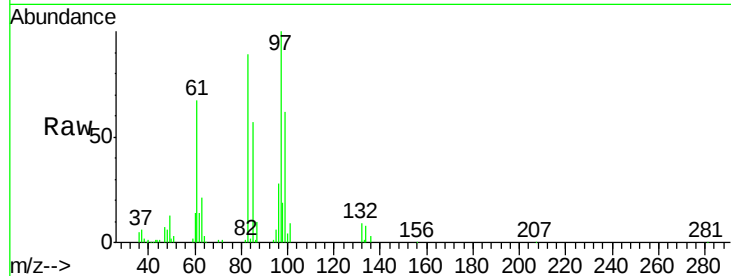
#55
 1,1,2-Trichloroethane
 Concen: 20.496 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Tot Ion:	97	Resp:	101400
Ion	Ratio	Lower	Upper
97	100		
83	89.4	71.8	107.6
85	57.2	46.6	69.8
99	61.5	51.5	77.3

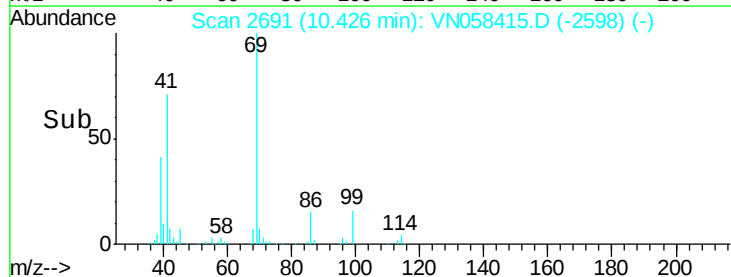
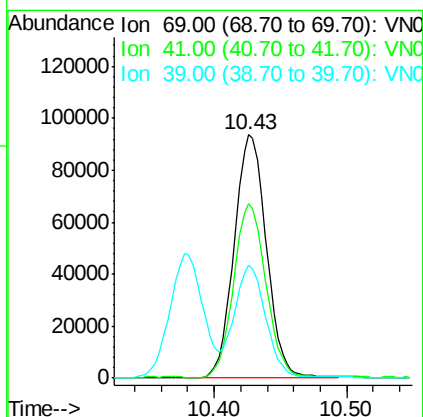
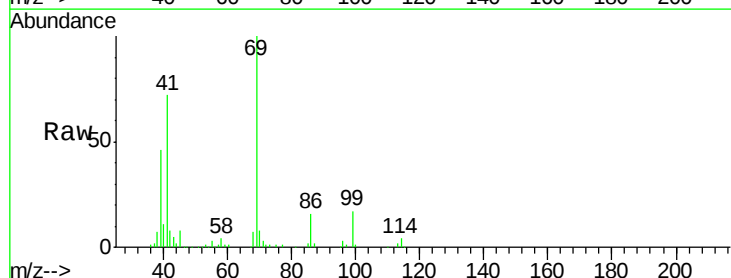
Manual Integrations
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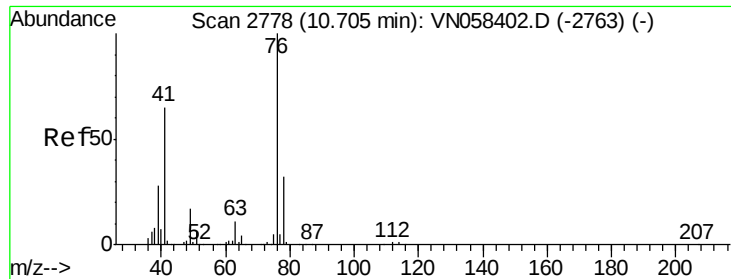
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 9/30/2019 10:19:00 AM



#56
 Ethyl methacrylate
 Concen: 21.129 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion:	69	Resp:	158614
Ion	Ratio	Lower	Upper
69	100		
41	71.3	56.3	84.5
39	45.0	35.8	53.6





#57

1,3-Dichloropropane

Concen: 20.804 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion: 76 Resp: 183584

Ion Ratio Lower Upper

76 100

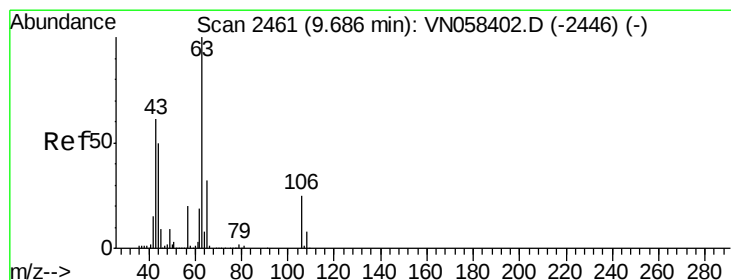
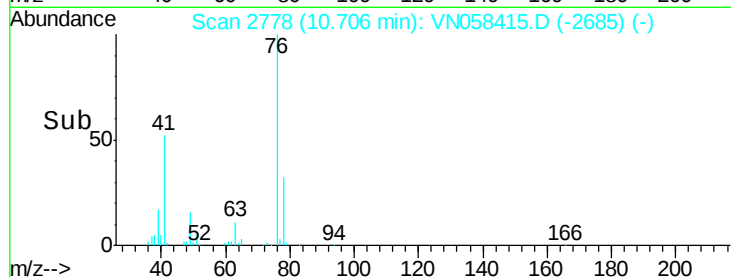
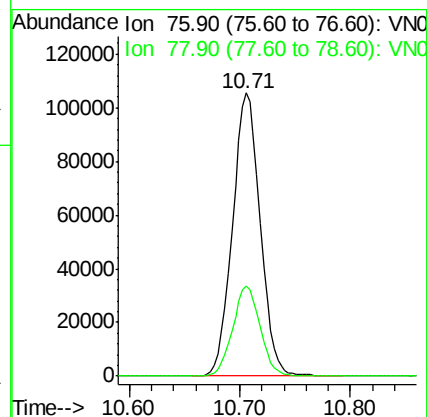
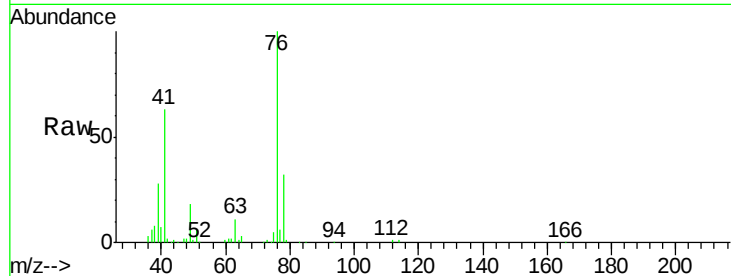
78 31.6 25.7 38.5

Manual Integrations

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9/30/2019 10:19:00 AM



#58

2-Chloroethyl Vinyl ether

Concen: 104.136 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN058415.D

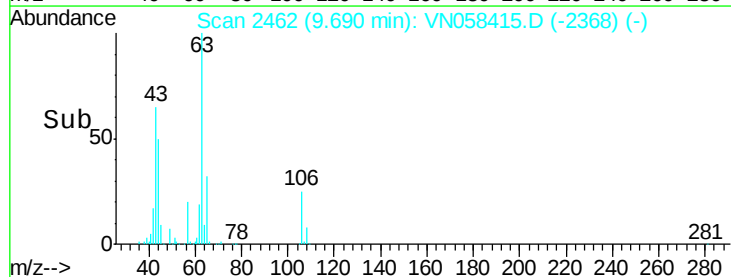
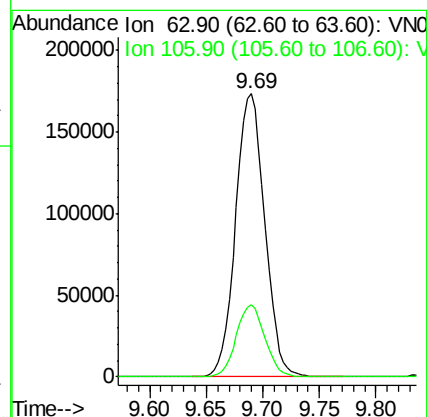
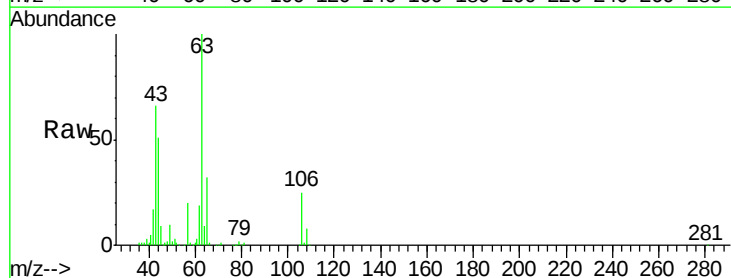
Acq: 27 Sep 2019 17:57

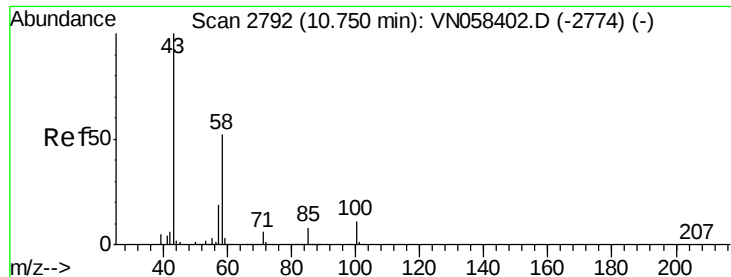
Tgt Ion: 63 Resp: 311720

Ion Ratio Lower Upper

63 100

106 25.1 20.3 30.5





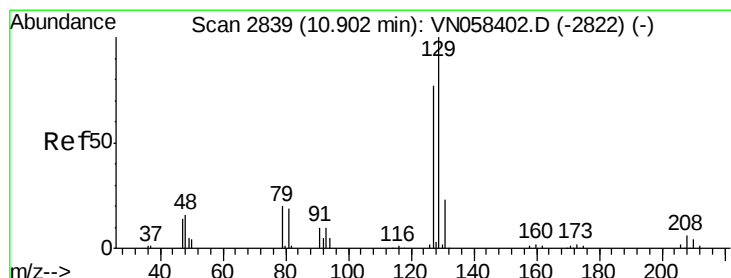
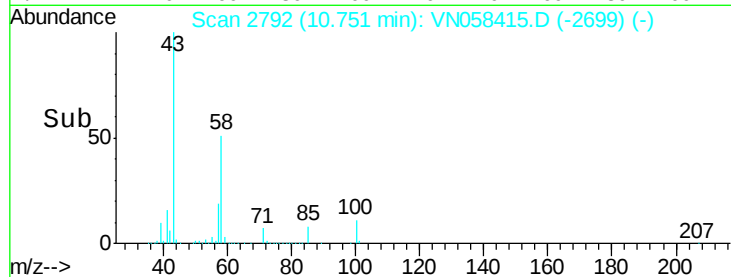
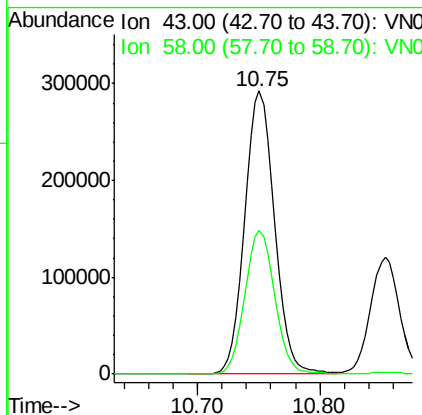
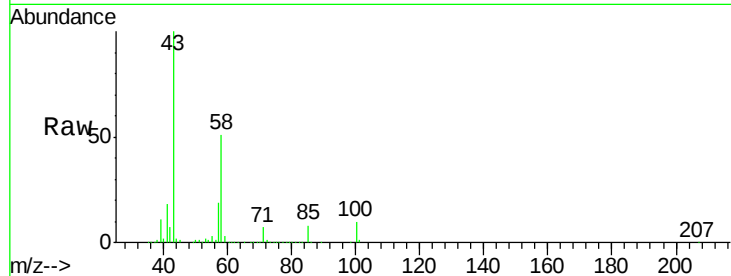
#59
2-Hexanone
Concen: 109.184 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion: 43 Resp: 488936
Ion Ratio Lower Upper
43 100
58 51.0 25.8 77.3

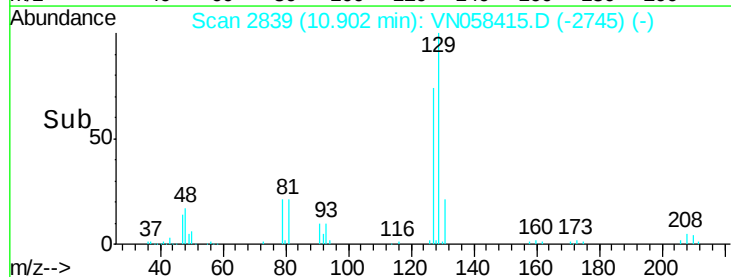
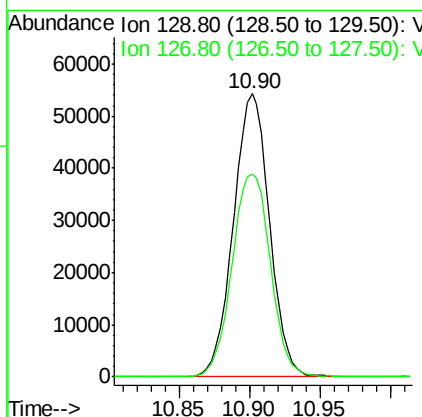
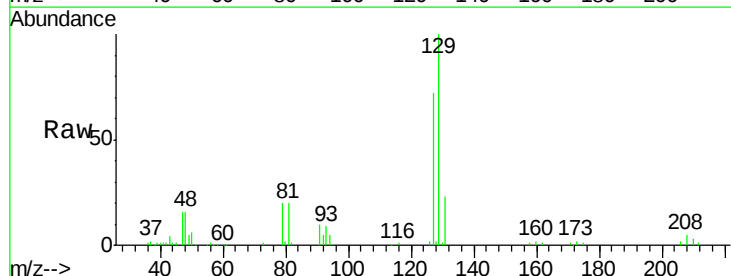
Manual Integrations
APPROVED

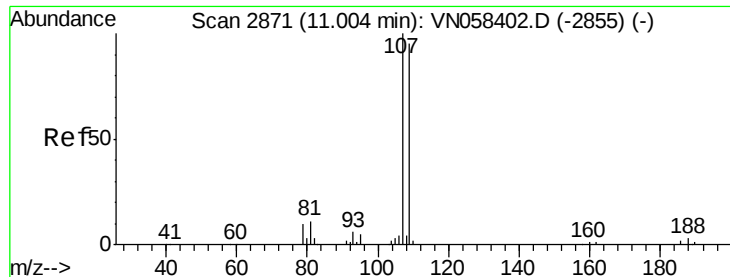
MMDadoda
9/30/2019 10:19:00 AM



#60
Dibromochloromethane
Concen: 18.643 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion: 129 Resp: 97286
Ion Ratio Lower Upper
129 100
127 76.1 38.3 114.8





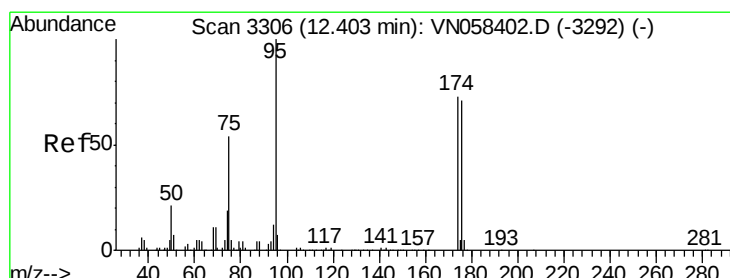
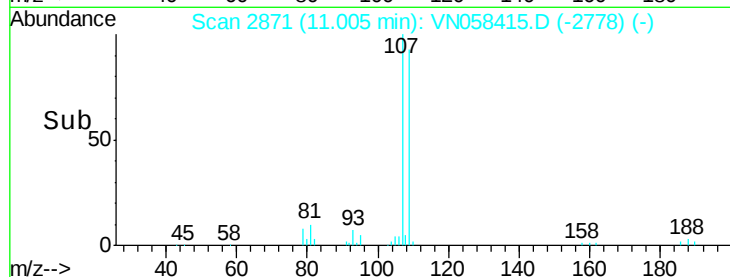
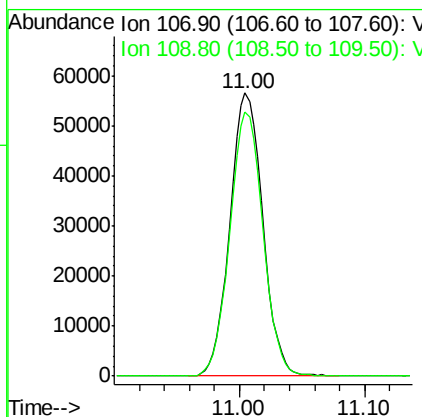
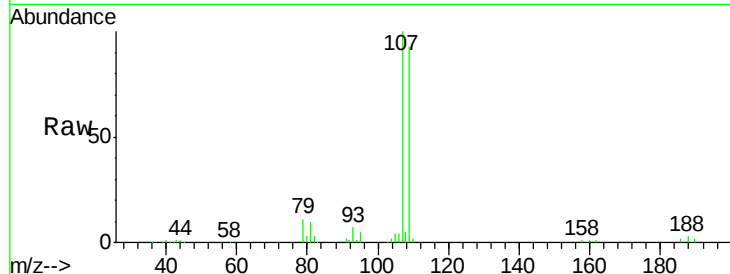
#61
 1,2-Dibromoethane
 Concen: 20.352 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
107	100	102881		
109	94.4	75.3	112.9	

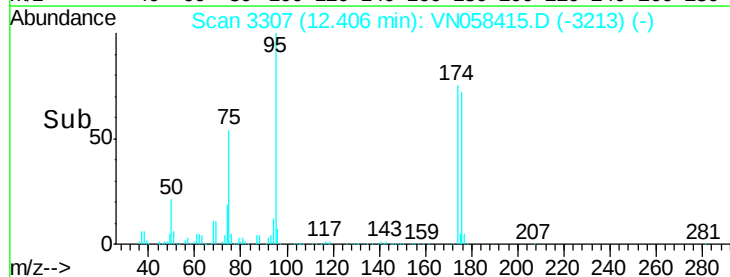
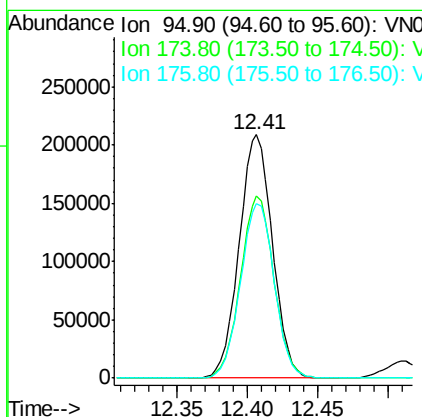
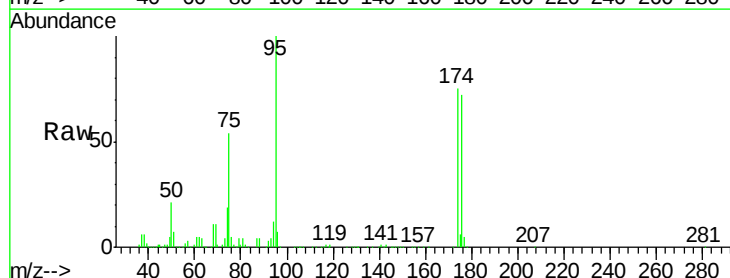
Manual Integrations
 APPROVED

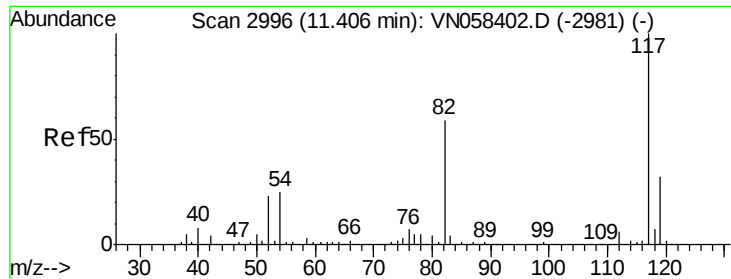
MMDadoda
 9/30/2019 10:19:00 AM



#62
 4-Bromofluorobenzene
 Concen: 50.770 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	346149		
174	75.0	0.0	150.6	
176	72.8	0.0	146.2	





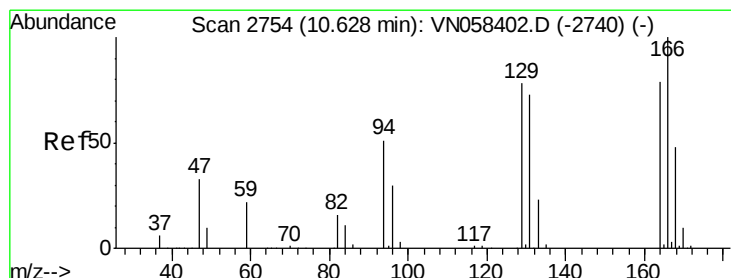
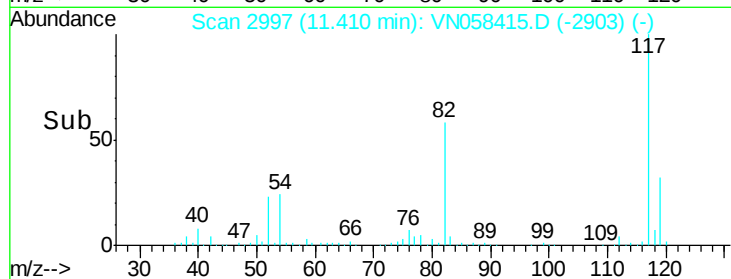
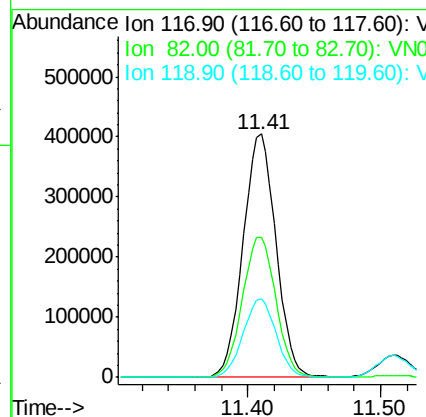
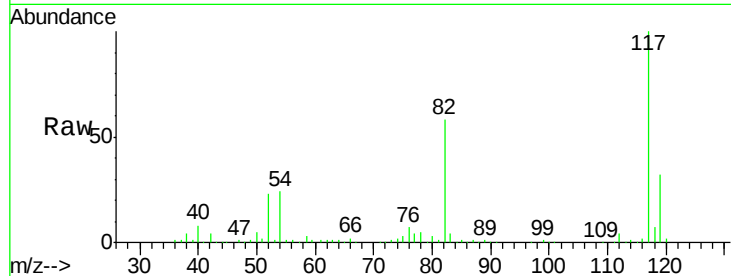
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.4	71.0
119	32.1	25.5	38.3

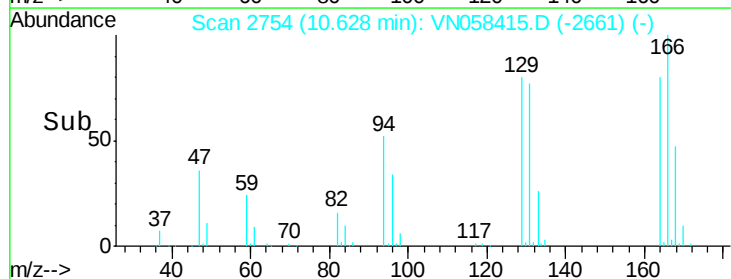
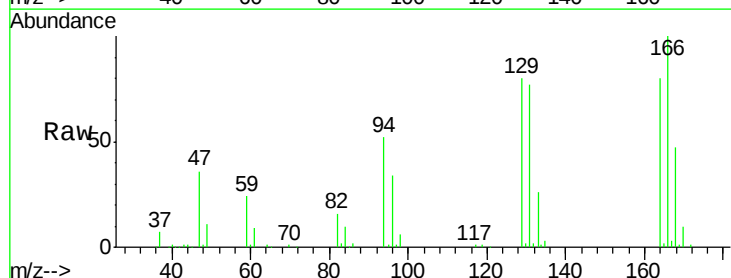
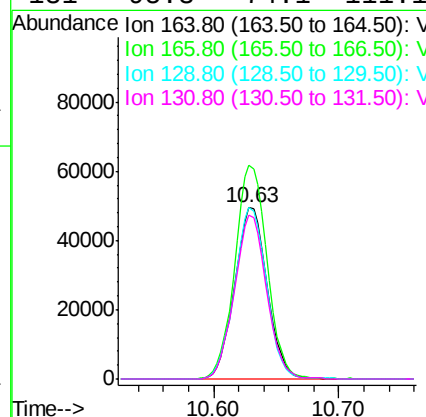
Manual Integrations
APPROVED

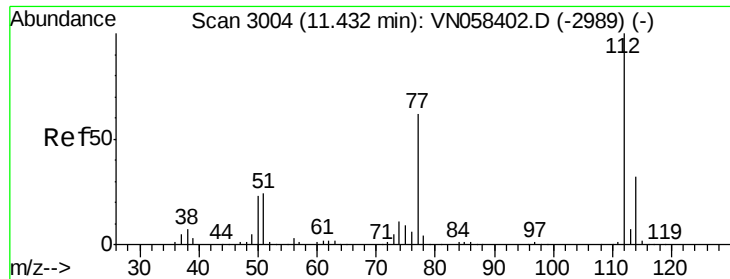
MMDadoda
9/30/2019 10:19:00 AM



#64
Tetrachloroethene
Concen: 20.067 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	101.1	151.7
129	100.3	79.2	118.8
131	95.3	74.1	111.1





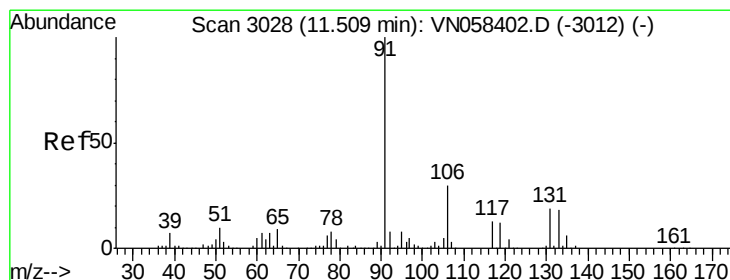
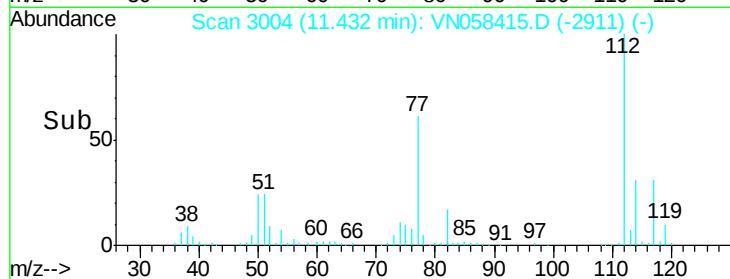
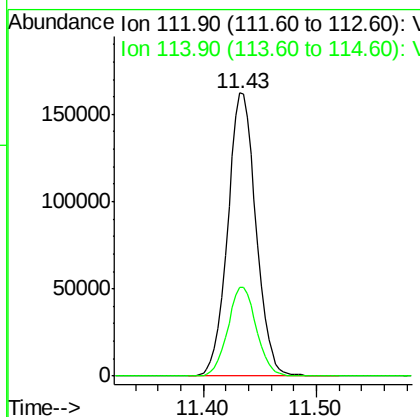
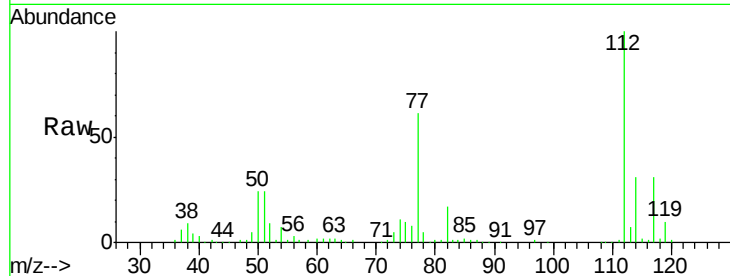
#65
Chlorobenzene
Concen: 20.314 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampled :
VN0927WBSD01

Tot Ion:112 Resp: 281692
Ion Ratio Lower Upper
112 100
114 31.3 25.4 38.2

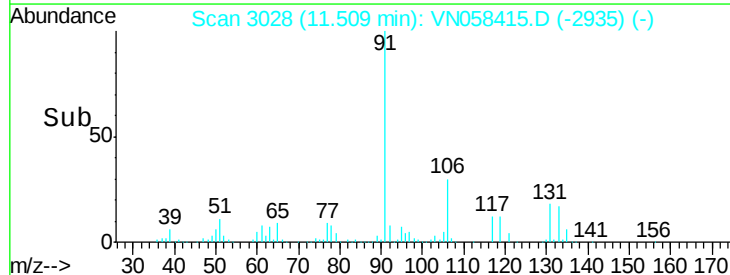
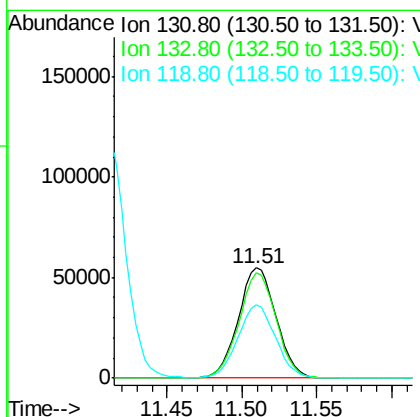
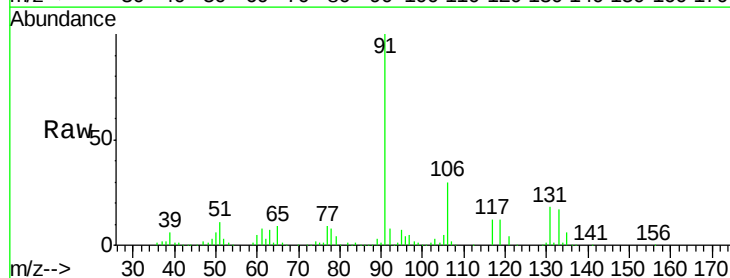
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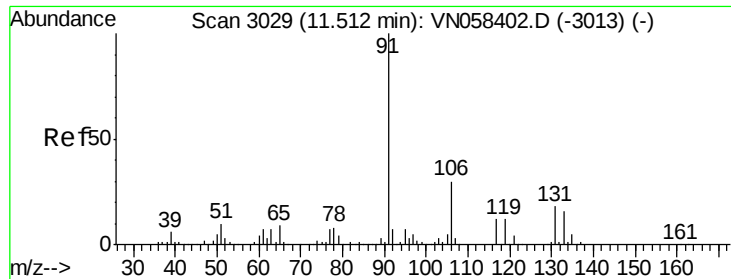
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.654 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion:131 Resp: 96497
Ion Ratio Lower Upper
131 100
133 93.8 47.8 143.3
119 66.0 33.0 99.0





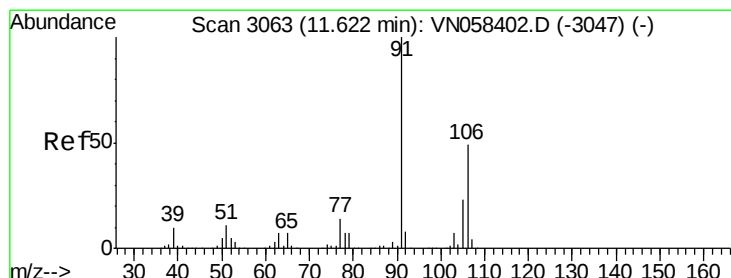
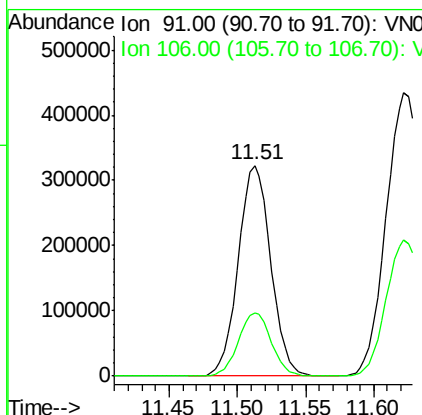
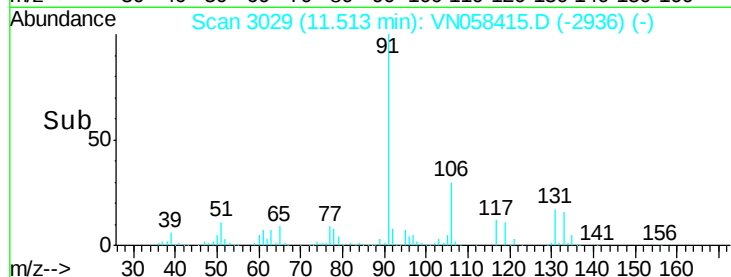
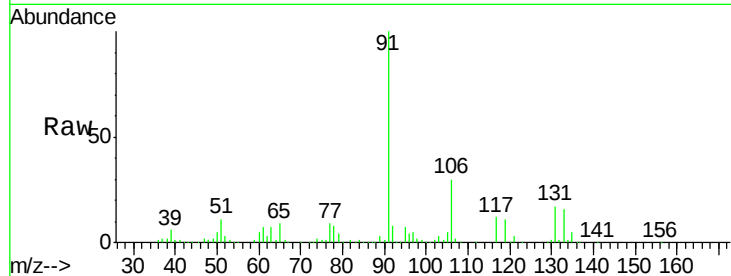
#67
Ethyl Benzene
Concen: 21.281 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion: 91 Resp: 534506
Ion Ratio Lower Upper
91 100
106 30.0 24.3 36.5

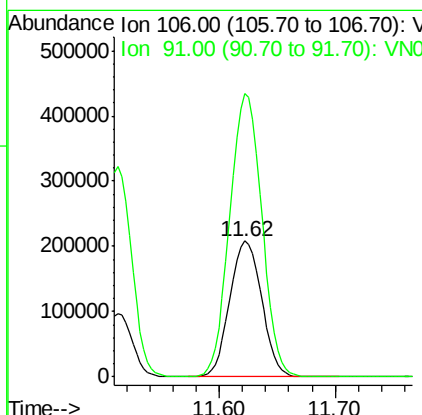
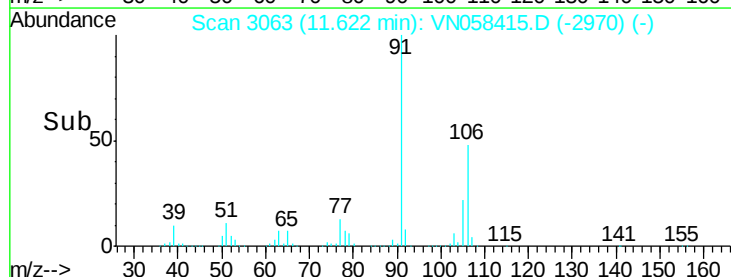
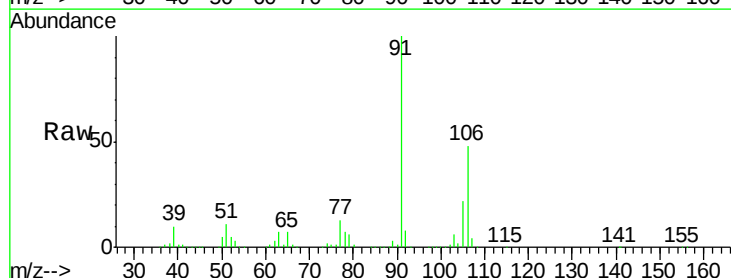
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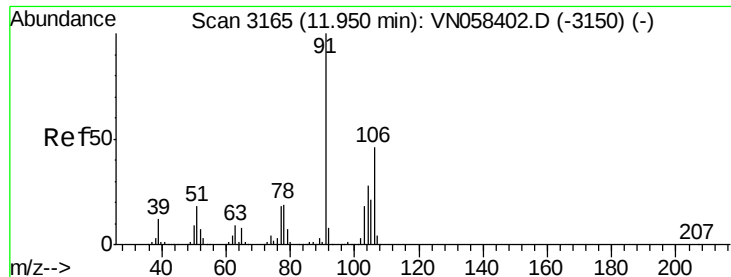
MMDadoda
9/30/2019 10:19:00 AM



#68
m/p-Xylenes
Concen: 42.156 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion: 106 Resp: 398366
Ion Ratio Lower Upper
106 100
91 208.6 165.0 247.4





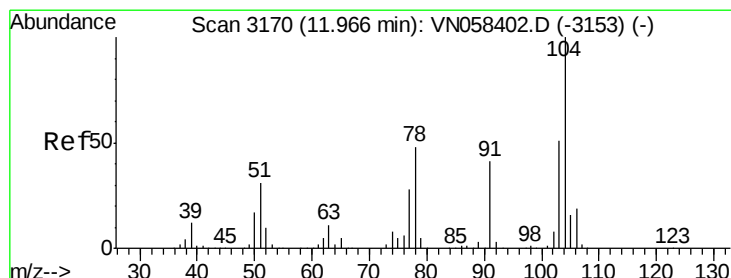
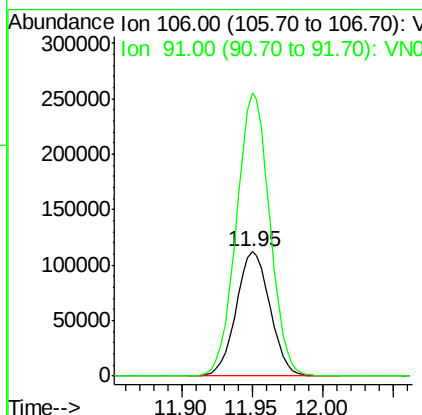
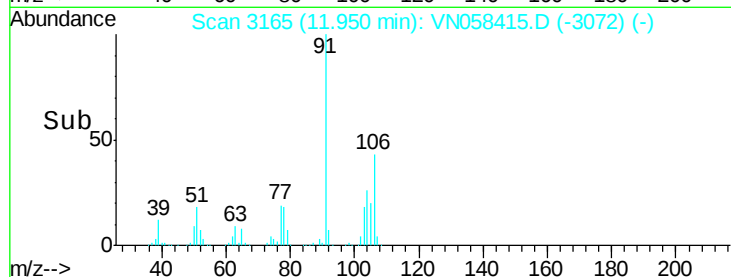
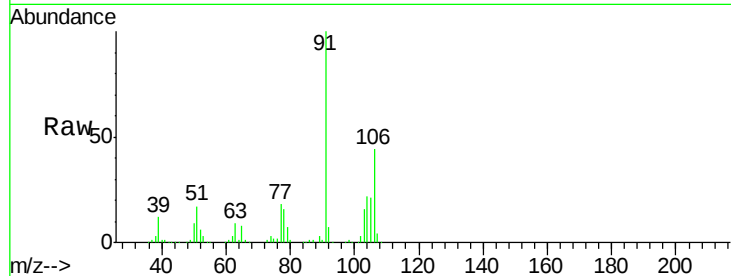
#69
o-Xylene
Concen: 20.780 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	189029		
91	91	223.6	109.1	327.4	

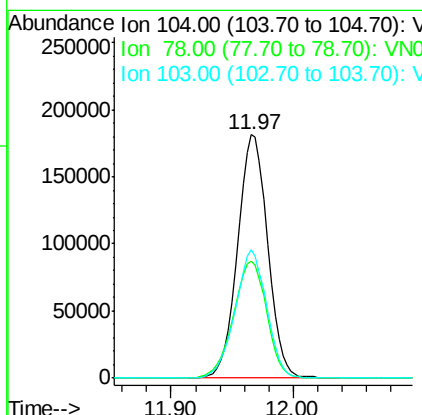
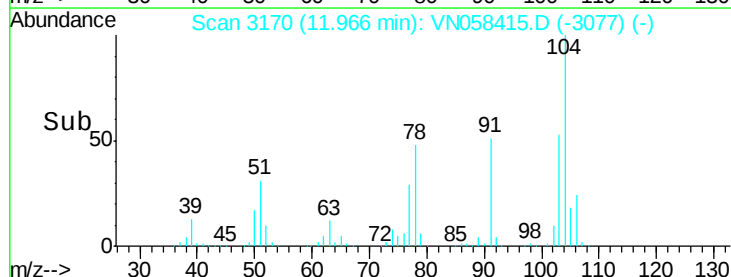
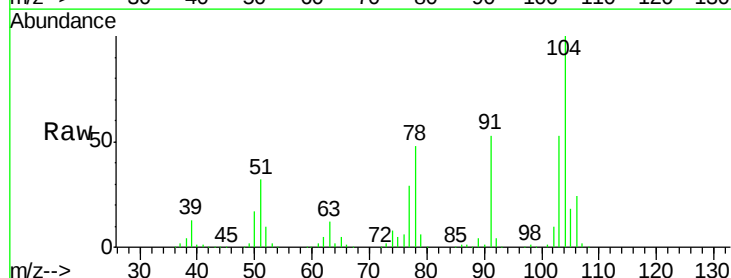
Manual Integrations
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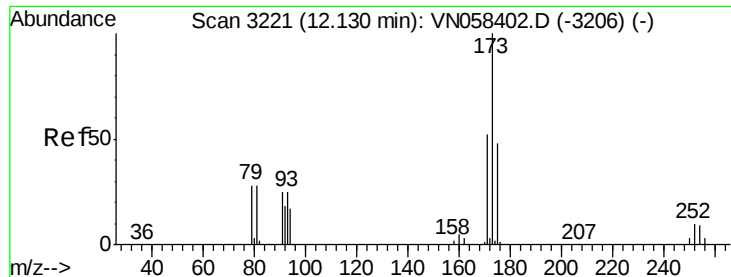
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#70
Styrene
Concen: 20.852 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	308153		
78	78	53.3	42.8	64.2	
103	103	55.3	43.7	65.5	





#71

Bromoform

Concen: 18.751 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

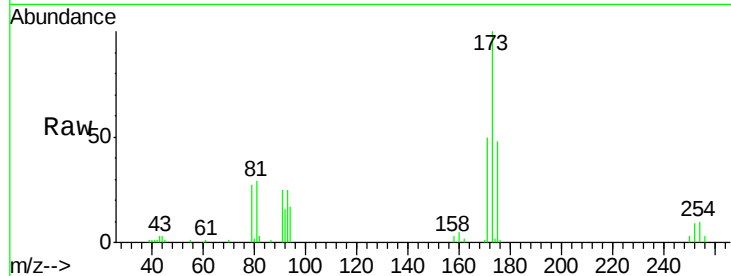
ClientSampleId :

VN0927WBSD01

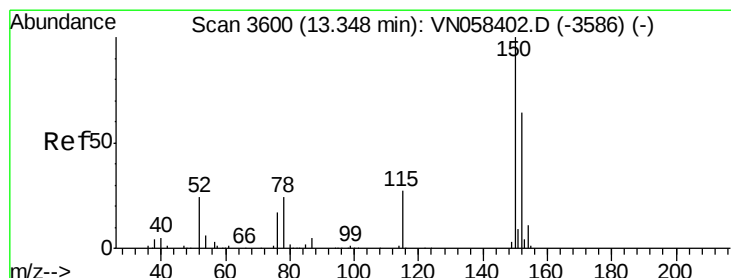
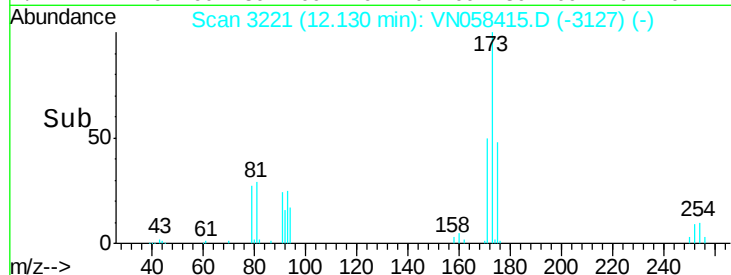
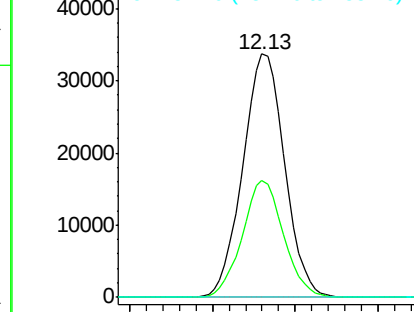
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.3	24.3	73.0
254	0.0	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

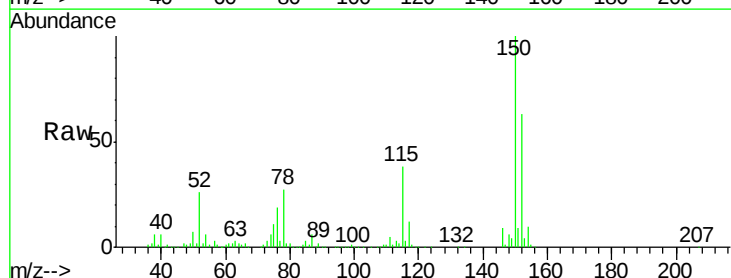
RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

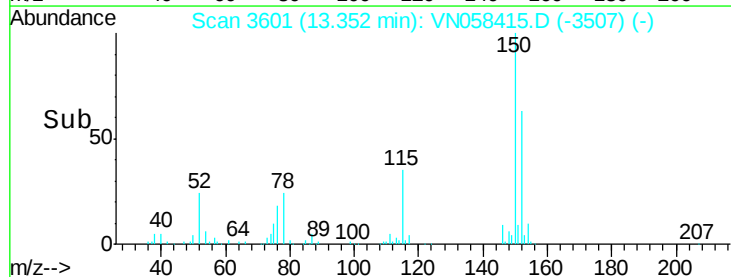
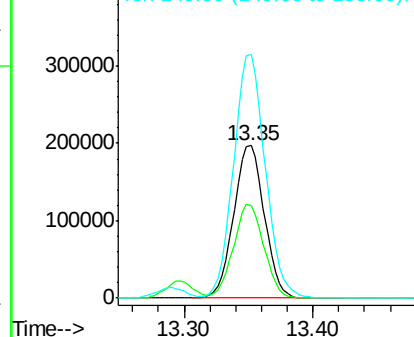
Lab File: VN058415.D

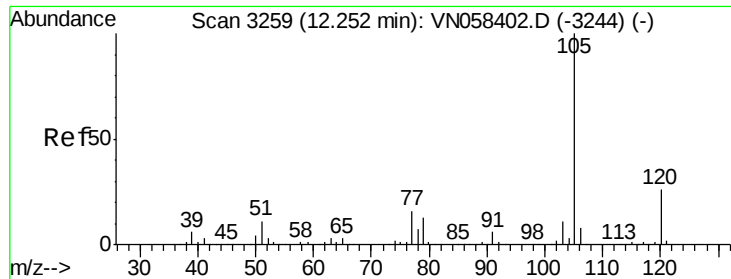
Acq: 27 Sep 2019 17:57

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.3	30.0	90.0
150	165.3	0.0	348.2



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





#73

Isopropylbenzene

Concen: 21.078 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion: 105 Resp: 506532

Ion Ratio Lower Upper

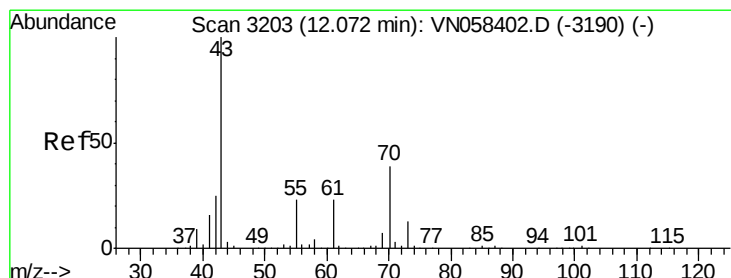
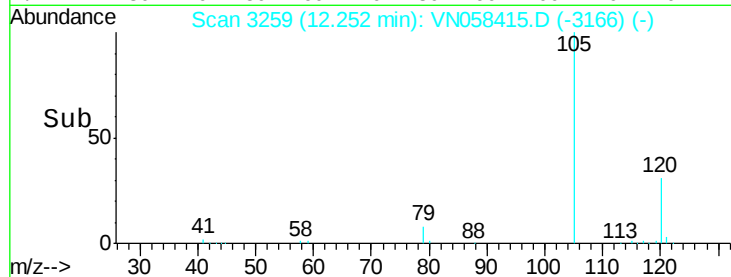
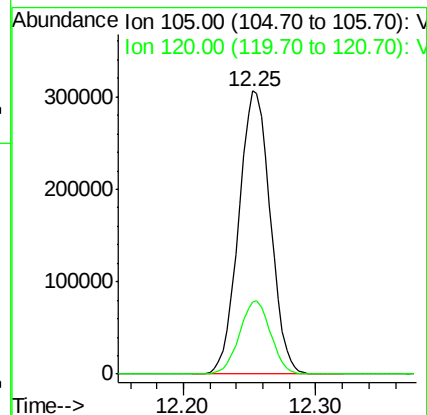
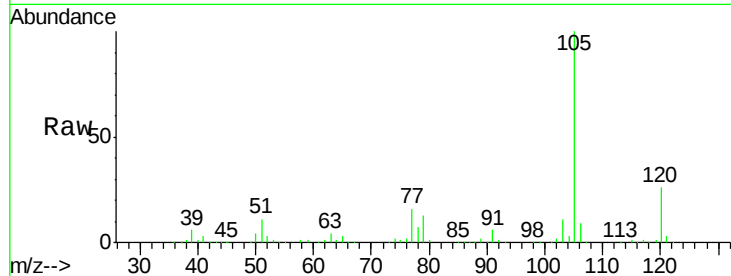
105 100

120 25.6 12.8 38.4

Manual Integrations
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9/30/2019 10:19:00 AM



#74

N-ethyl acetate

Concen: 20.617 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Tgt Ion: 43 Resp: 197102

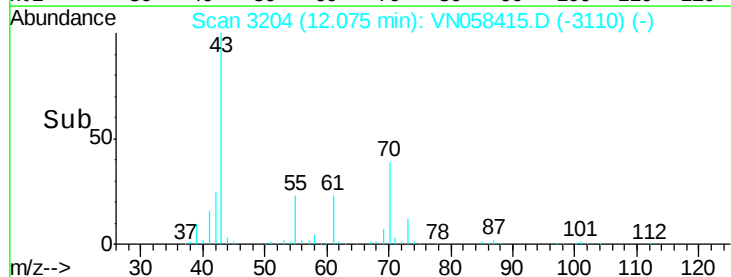
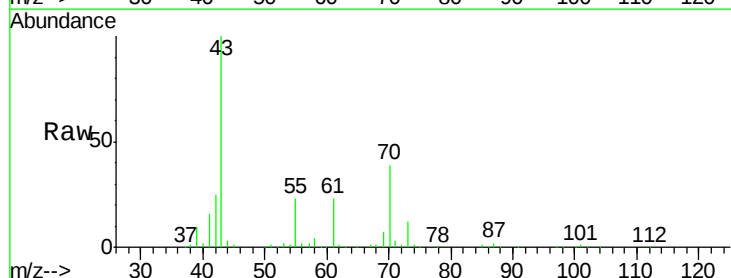
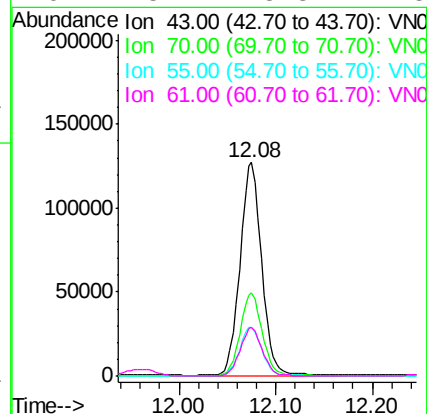
Ion Ratio Lower Upper

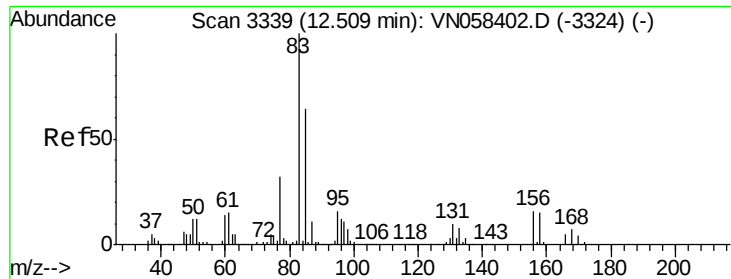
43 100

70 39.6 31.4 47.2

55 24.1 18.2 27.4

61 23.1 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.731 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

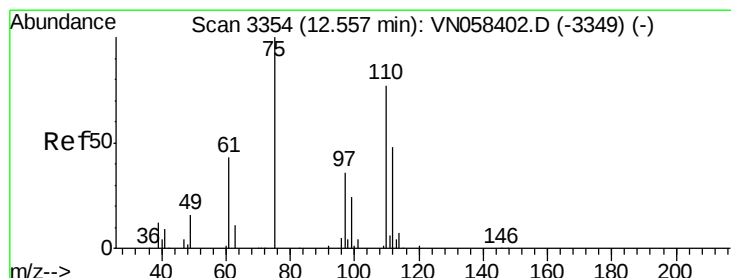
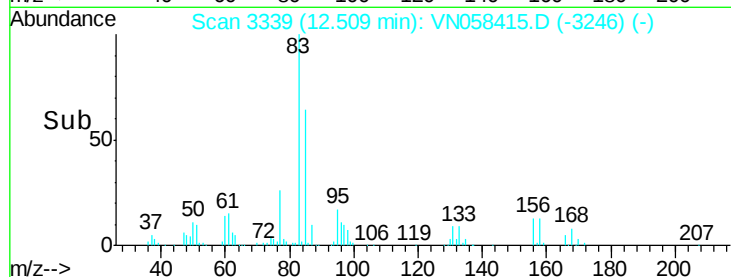
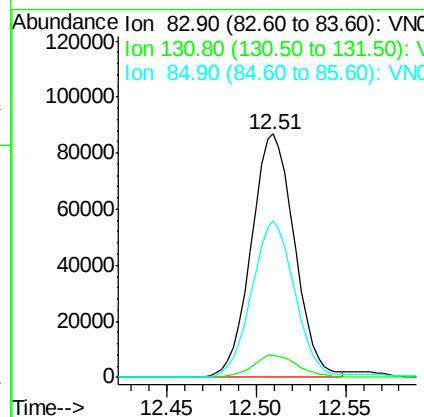
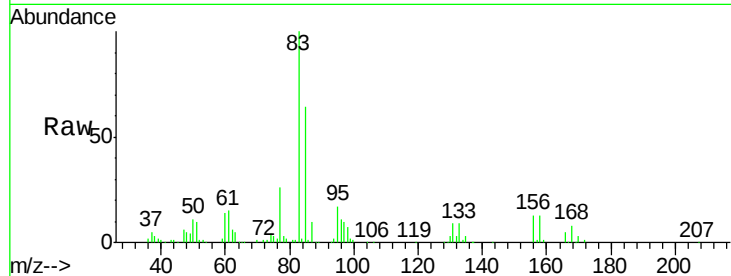
ClientSampleId :

VN0927WBSD01

Tot Ion:	83	Resp:	147319
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.9	14.7
85	63.9	32.0	96.0

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#76

1,2,3-Trichloropropane

Concen: 20.263 ug/l m

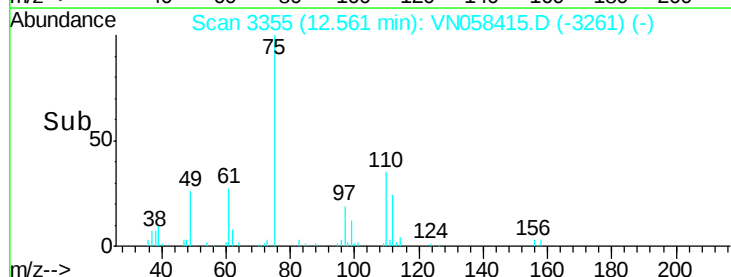
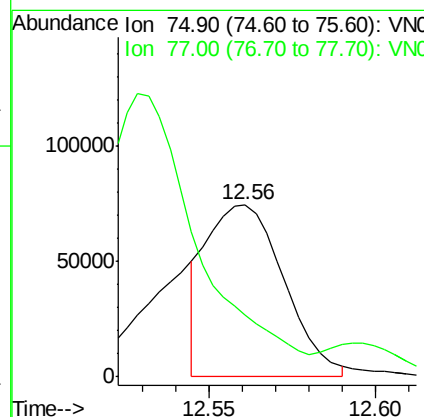
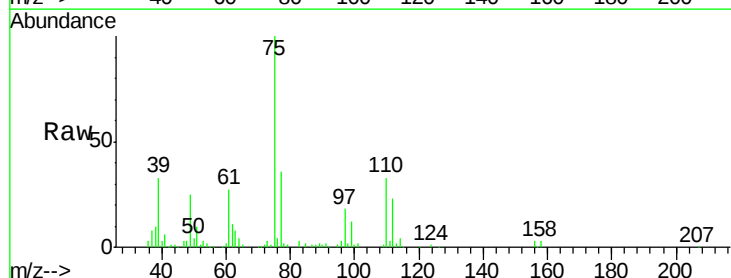
RT: 12.56 min Scan# 3355

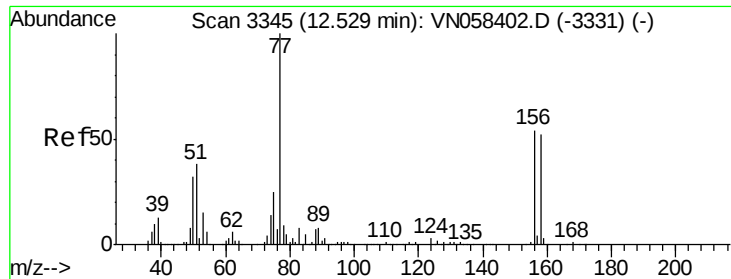
Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Tgt Ion:	75	Resp:	120352
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





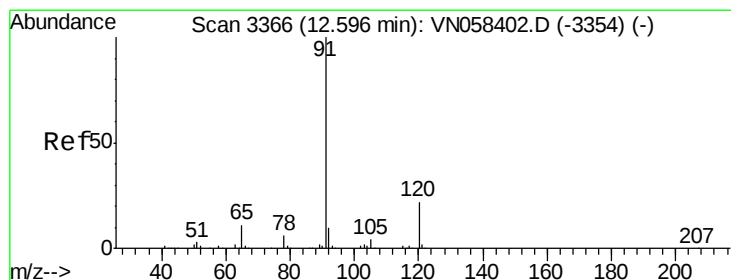
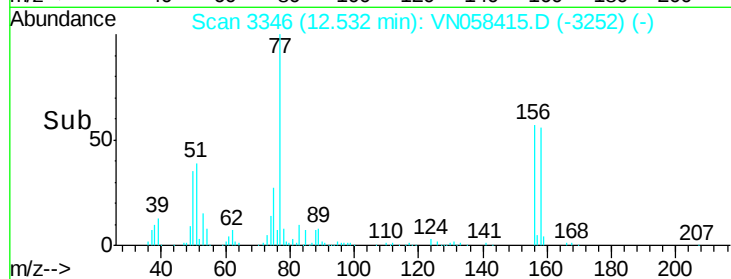
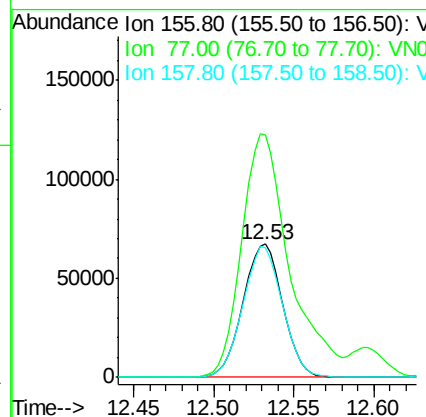
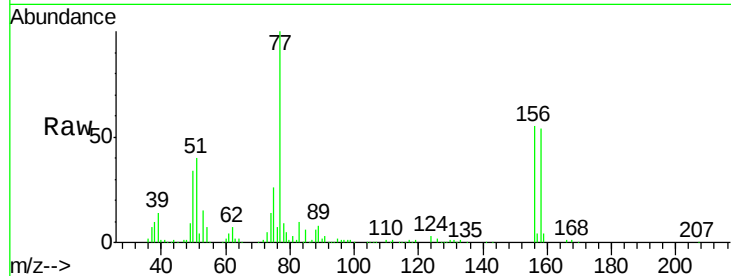
#77
Bromobenzene
Concen: 20.231 ug/l
RT: 12.53 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100				
77	221.0	110.0	330.0		
158	98.0	47.9	143.8		

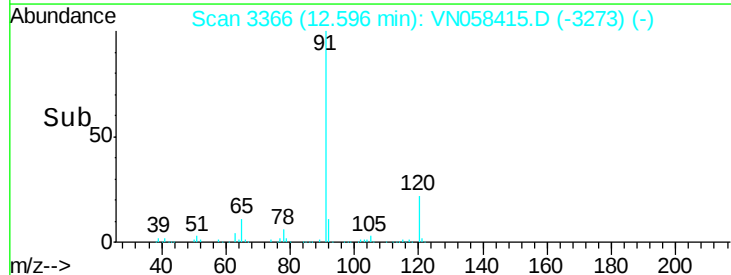
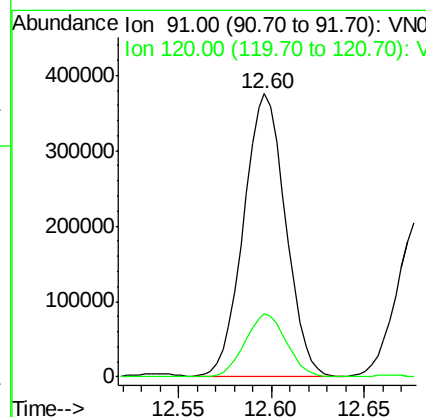
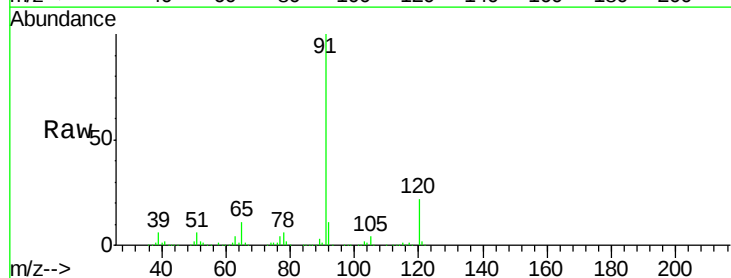
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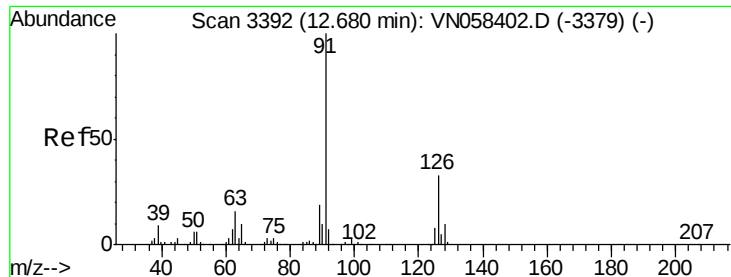
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#78
n-propylbenzene
Concen: 21.658 ug/l
RT: 12.60 min Scan# 3366
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100				
120	22.2	10.9	32.9		





#79

2-Chlorotoluene

Concen: 20.834 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion: 91 Resp: 348149

Ion Ratio Lower Upper

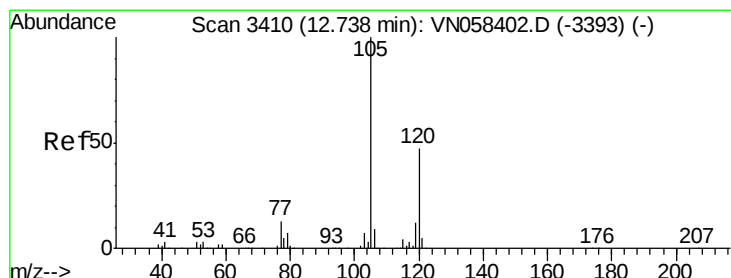
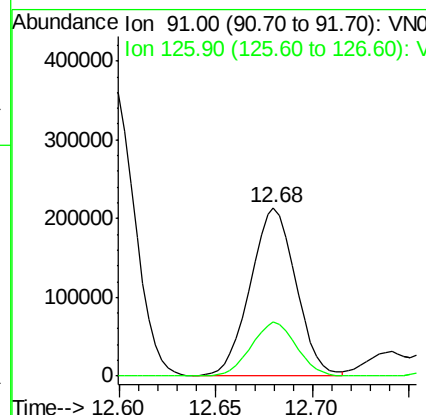
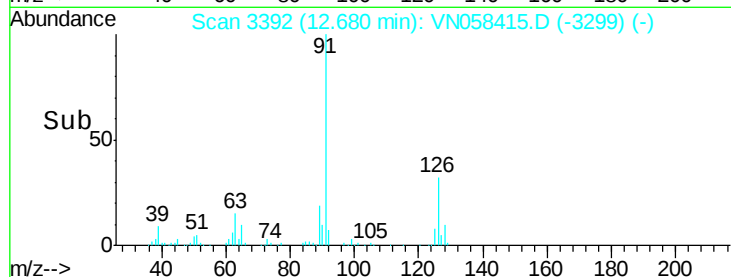
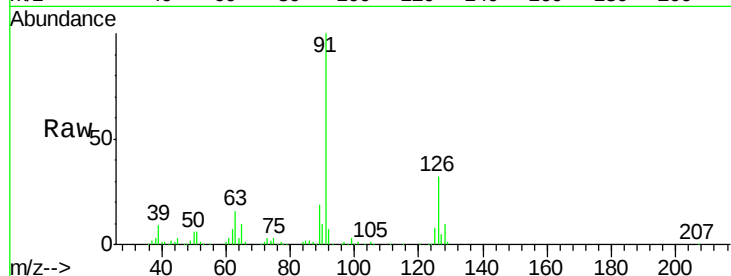
91 100

126 32.1 16.2 48.6

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#80

1,3,5-Trimethylbenzene

Concen: 21.053 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058415.D

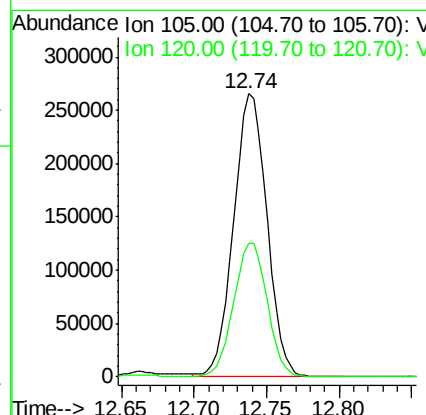
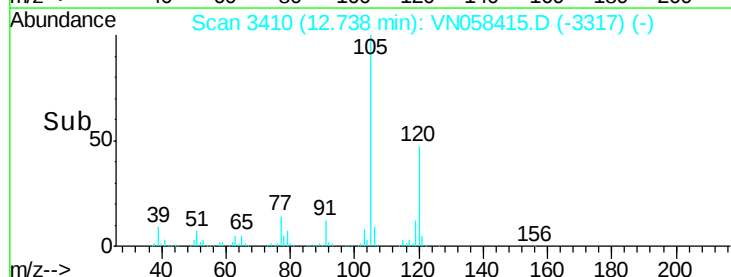
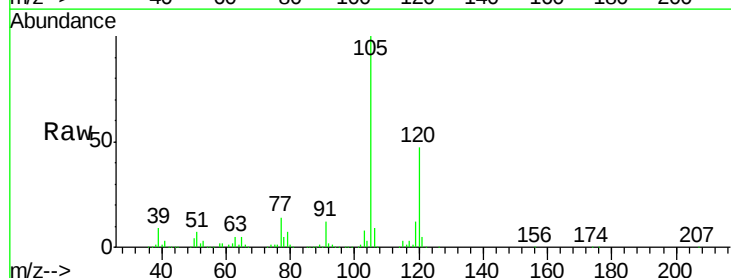
Acq: 27 Sep 2019 17:57

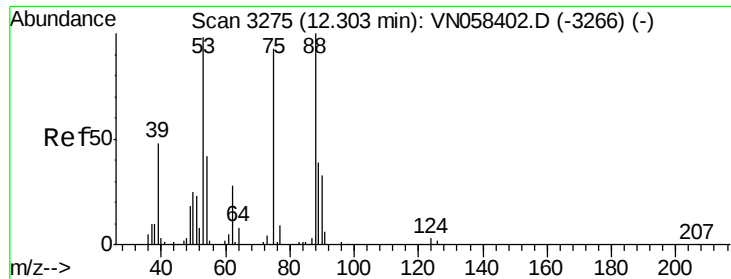
Tgt Ion: 105 Resp: 423519

Ion Ratio Lower Upper

105 100

120 47.9 23.5 70.6





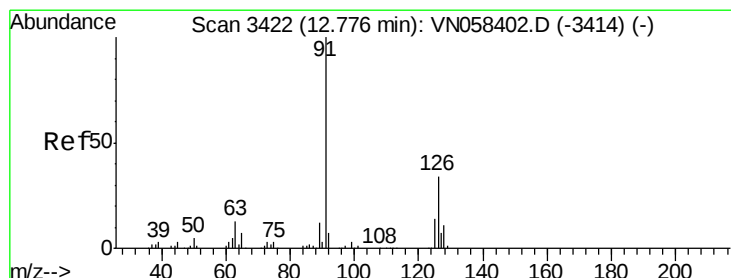
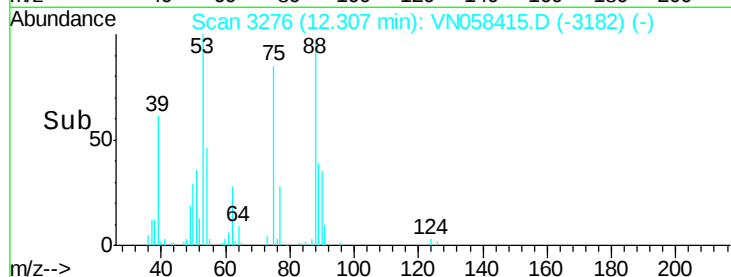
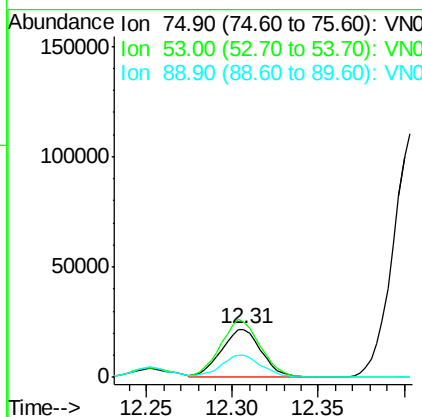
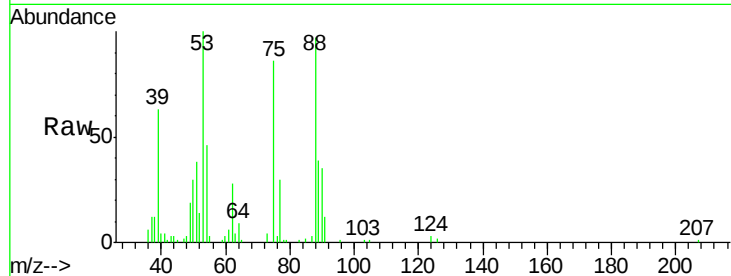
#81
trans-1,4-Dichloro-2-butene
Concen: 17.918 ug/l
RT: 12.31 min Scan# 3276
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	122.2	85.4	128.0
89	47.5	35.0	52.4

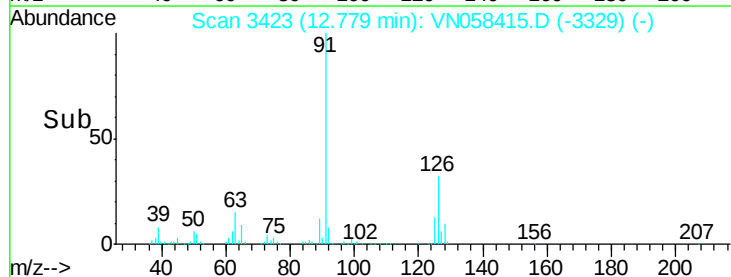
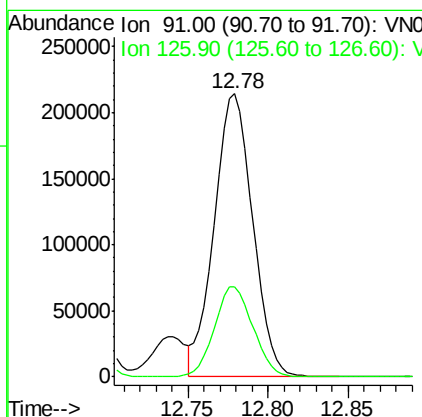
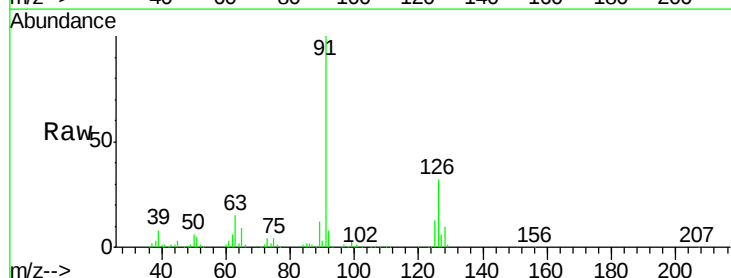
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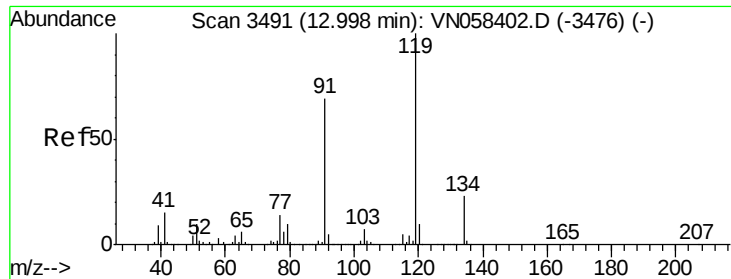
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.676 ug/l
RT: 12.78 min Scan# 3423
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.1	15.9	47.7





#83

tert-Butylbenzene

Concen: 21.307 ug/l

RT: 13.00 min Scan# 3492

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

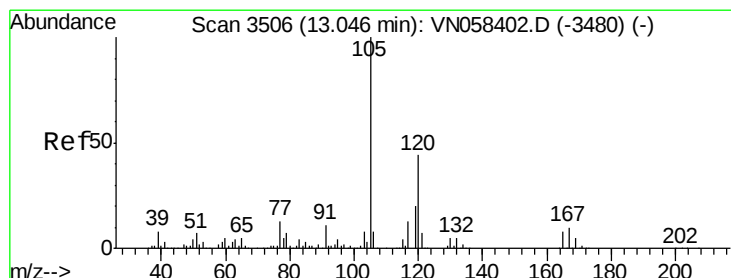
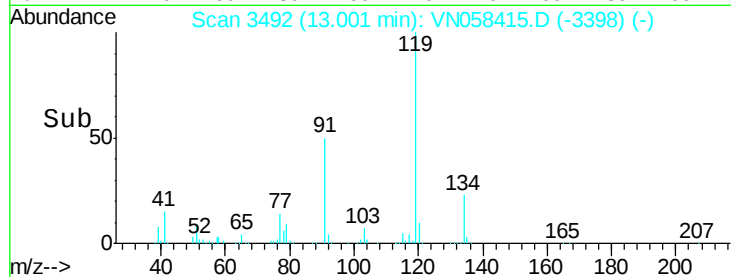
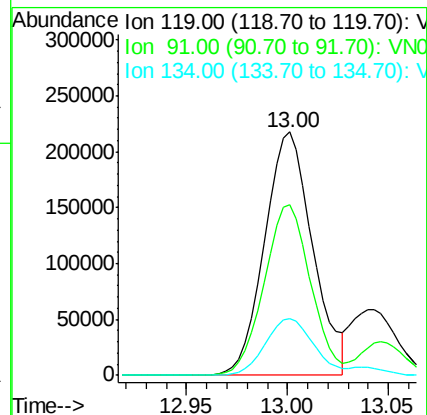
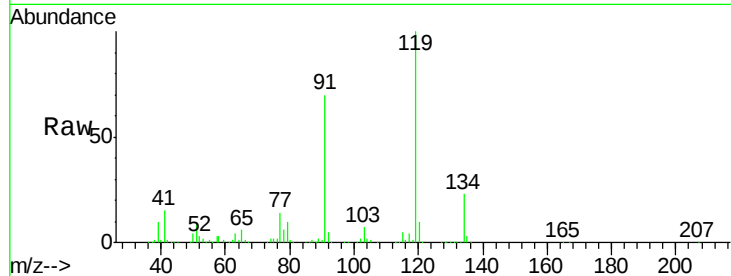
ClientSampleId :

VN0927WBSD01

Tot Ion:	119	Resp:	361680
Ion Ratio	Lower	Upper	
119	100		
91	67.6	34.2	102.6
134	23.6	11.6	34.8

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#84

1,2,4-Trimethylbenzene

Concen: 21.581 ug/l

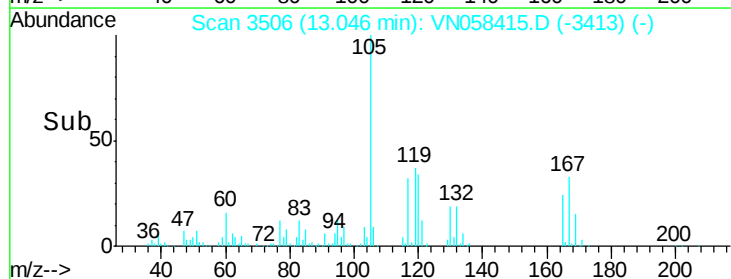
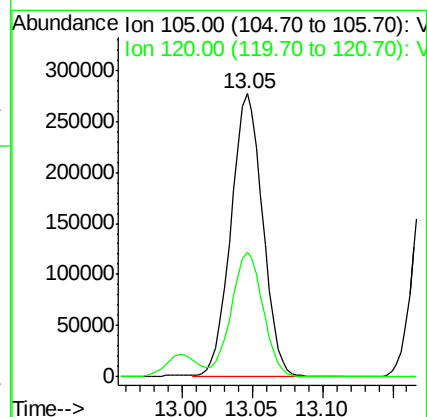
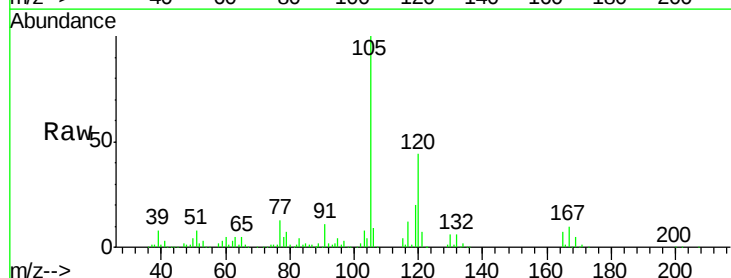
RT: 13.05 min Scan# 3506

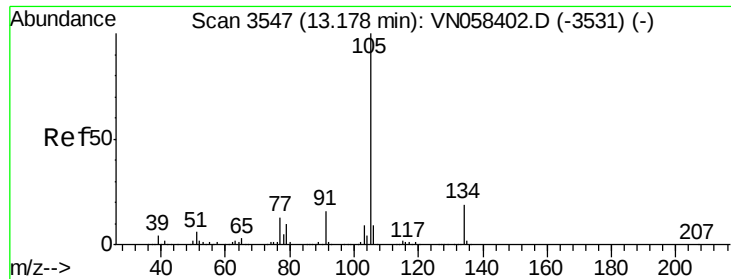
Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Tgt Ion:	105	Resp:	434958
Ion Ratio	Lower	Upper	
105	100		
120	44.3	21.7	65.1





#85

sec-Butylbenzene

Concen: 21.289 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBSD01

Tot Ion:105 Resp: 475645

Ion Ratio Lower Upper

105 100

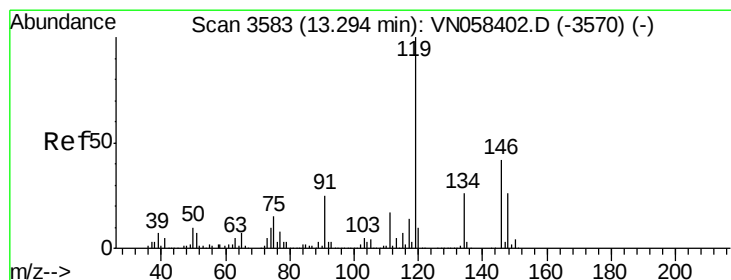
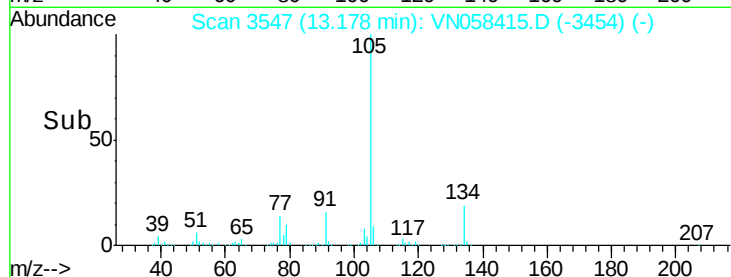
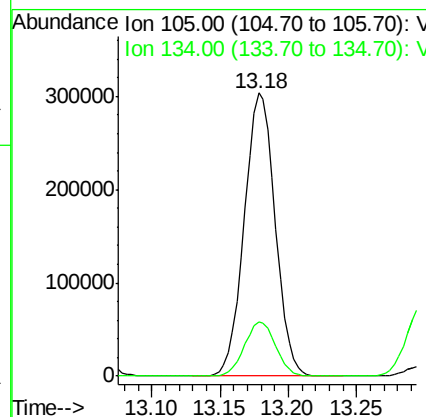
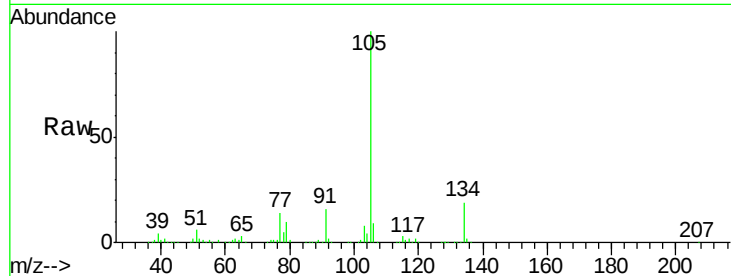
134 19.3 9.4 28.2

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#86

p-Isopropyltoluene

Concen: 21.755 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

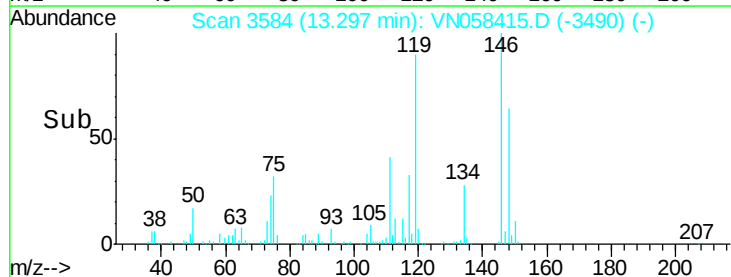
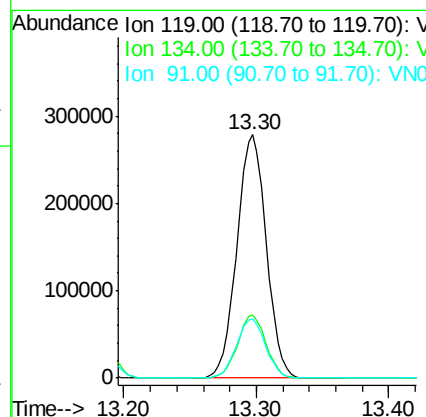
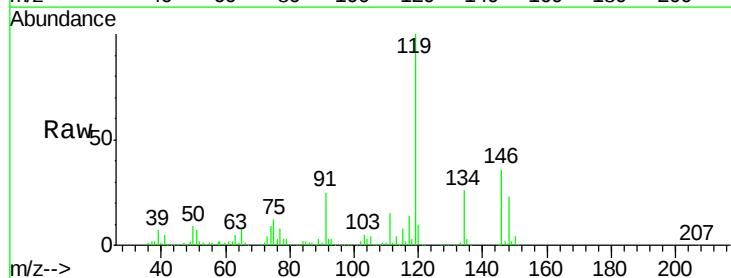
Tgt Ion:119 Resp: 427836

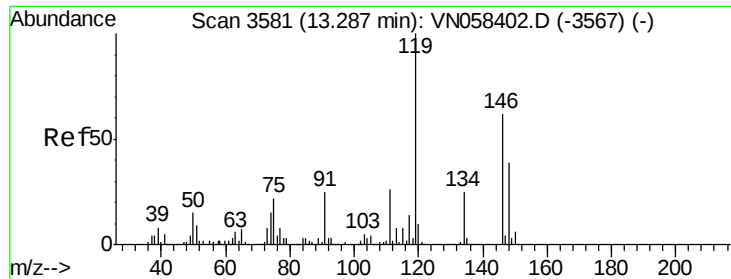
Ion Ratio Lower Upper

119 100

134 25.2 13.0 39.0

91 24.0 12.4 37.0





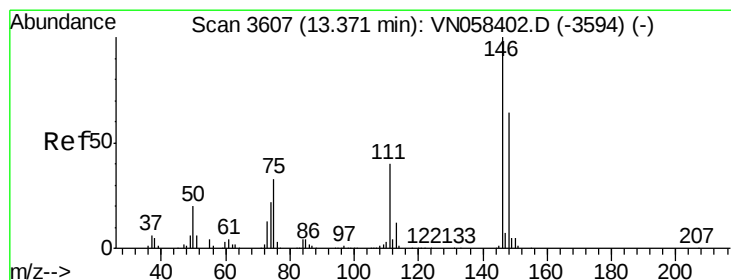
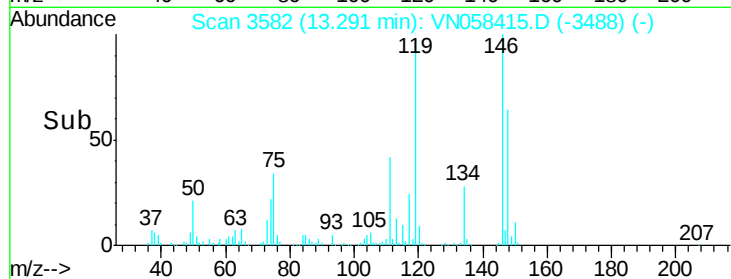
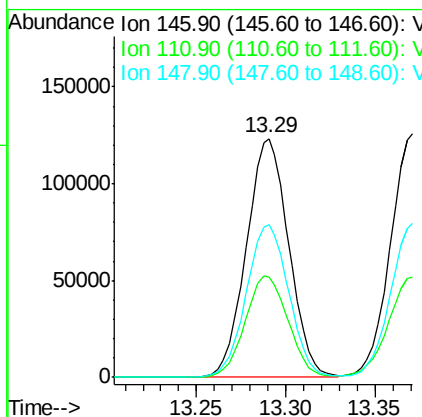
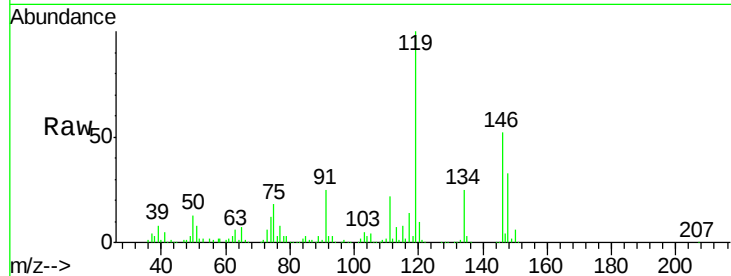
#87
 1,3-Dichlorobenzene
 Concen: 20.049 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	204849		
111	42.8	20.8	62.4	
148	64.2	31.4	94.3	

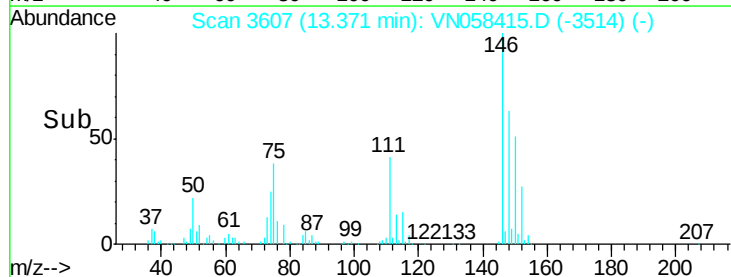
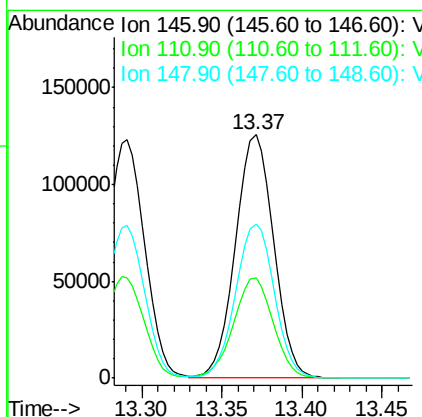
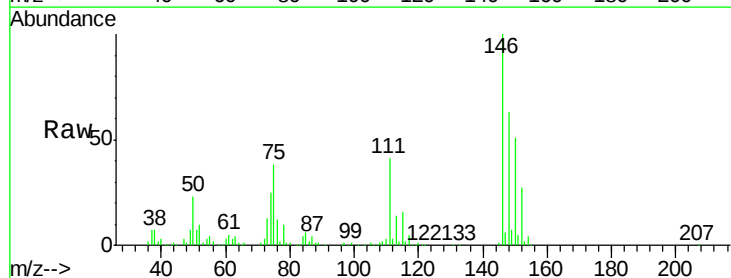
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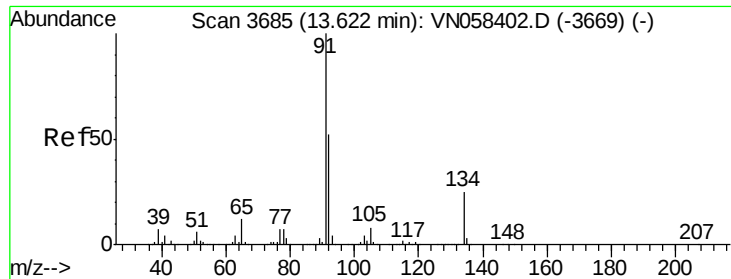
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#88
 1,4-Dichlorobenzene
 Concen: 20.076 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	204082		
111	43.1	20.5	61.6	
148	64.5	31.5	94.5	





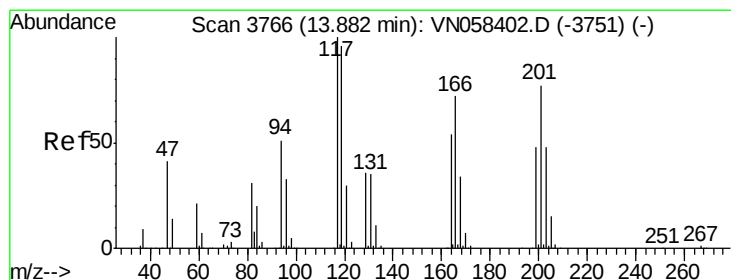
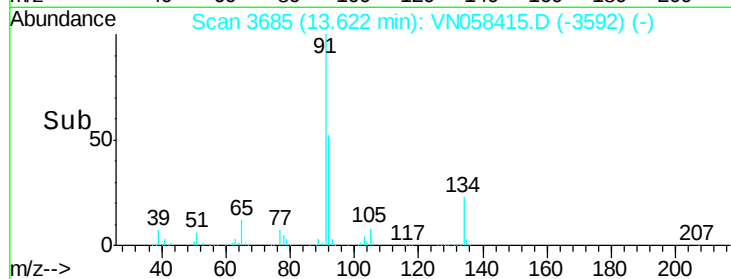
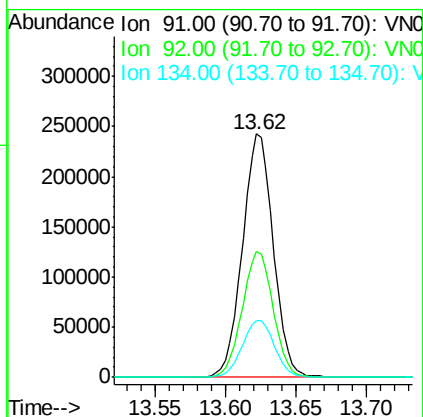
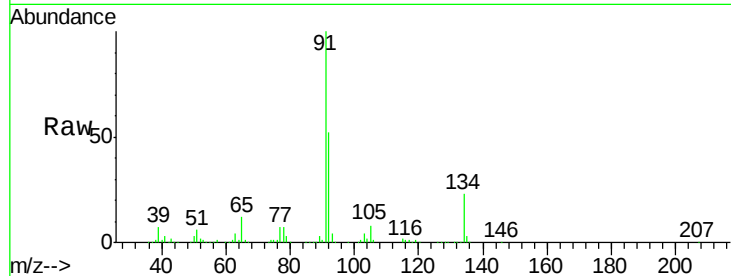
#89
n-Butylbenzene
Concen: 20.888 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	25.7	77.1
134	24.5	12.2	36.6

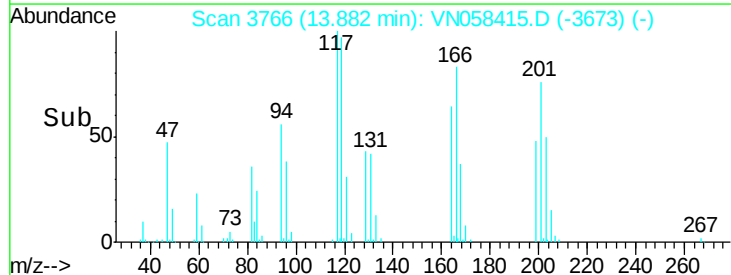
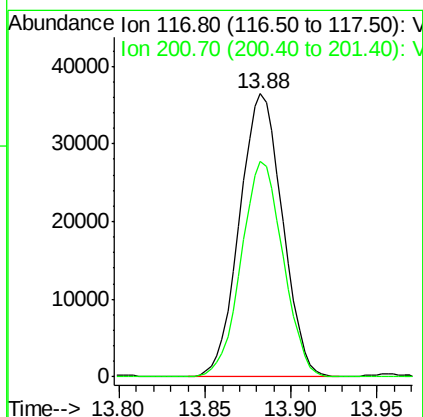
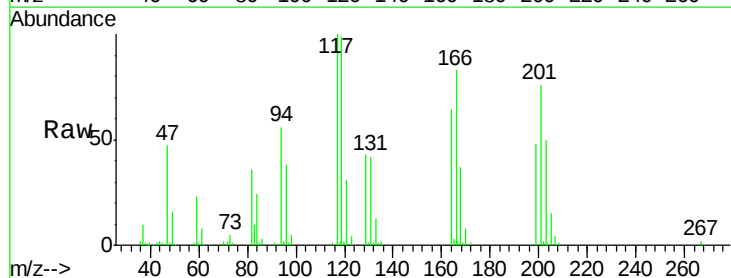
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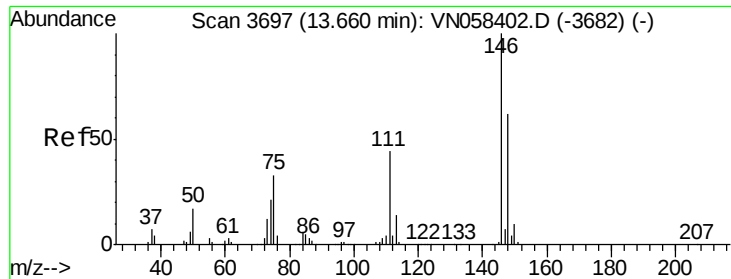
MMDadoda
9/30/2019 10:19:00 AM



#90
Hexachloroethane
Concen: 21.431 ug/l
RT: 13.88 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN058415.D
Acq: 27 Sep 2019 17:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.0	38.6	116.0





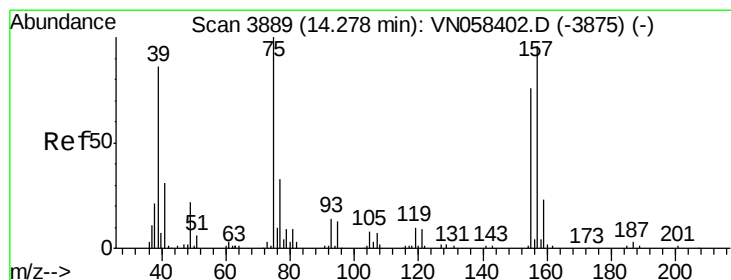
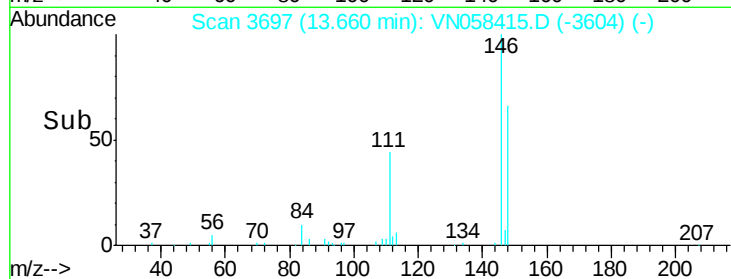
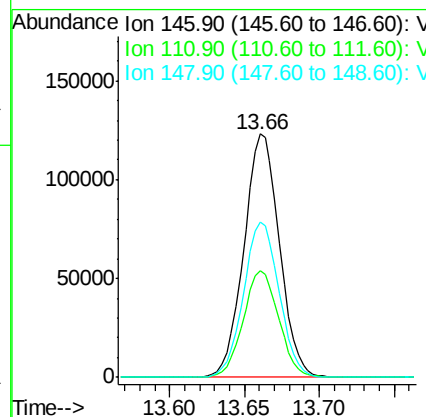
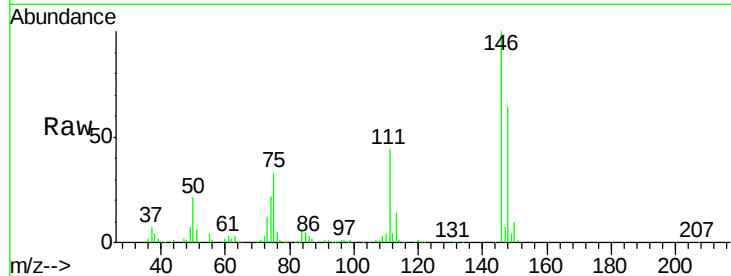
#91
 1,2-Dichlorobenzene
 Concen: 20.730 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.8	65.3
148	64.0	31.5	94.5

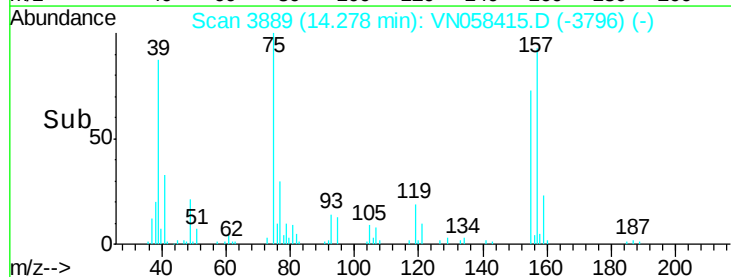
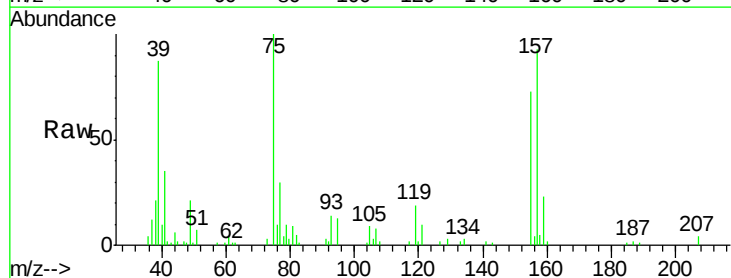
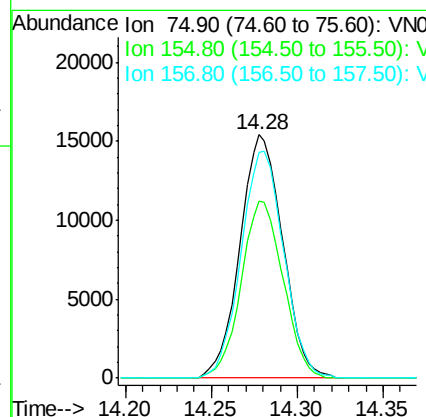
Manual Integrations
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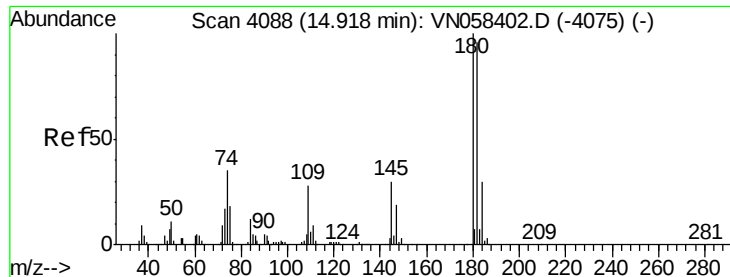
MMDadoda
 9/30/2019 10:19:00 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.257 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.0	39.2	117.6
157	93.2	48.7	146.1





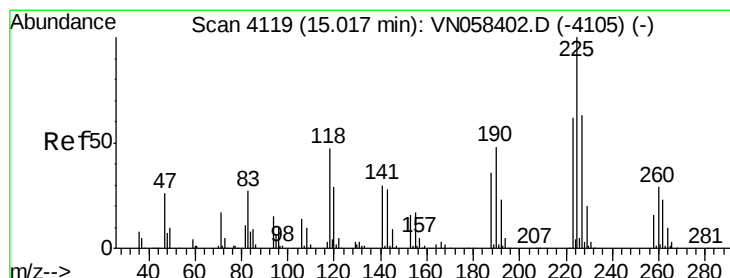
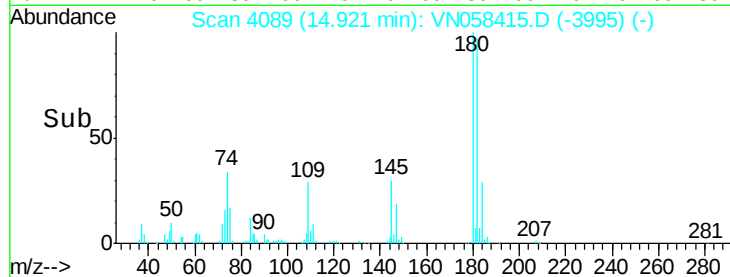
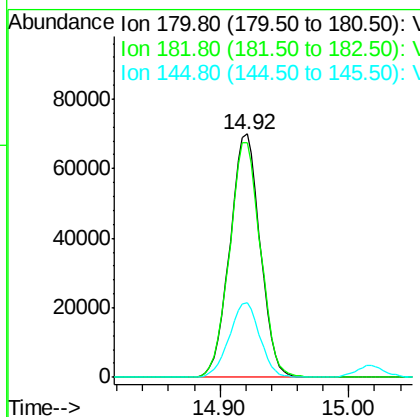
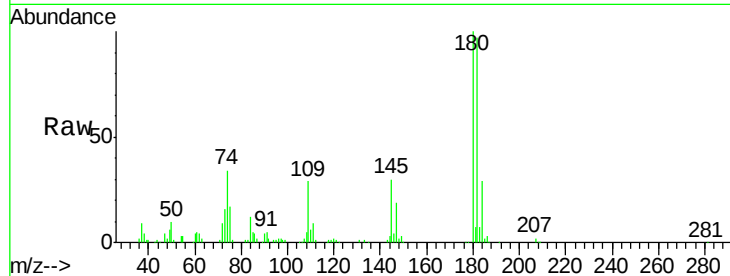
#93
 1,2,4-Trichlorobenzene
 Concen: 21.012 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	113990		
182	98.4	47.4	142.3	
145	30.9	15.3	45.9	

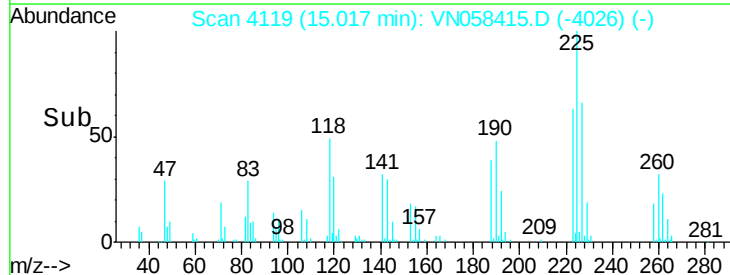
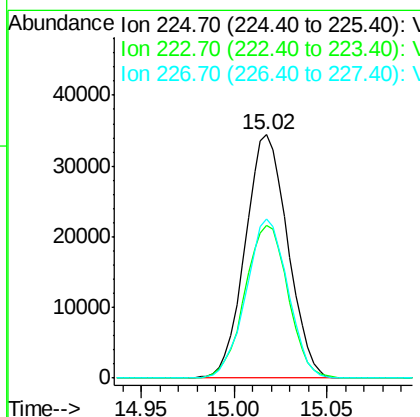
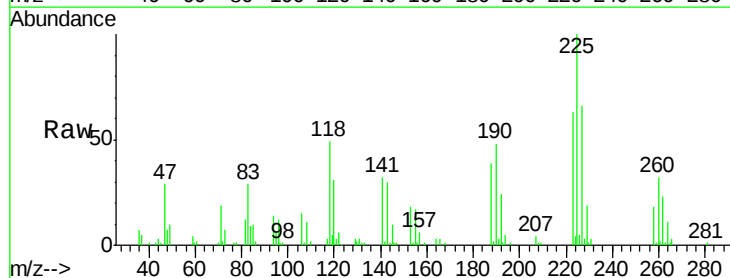
Manual Integrations
 APPROVED

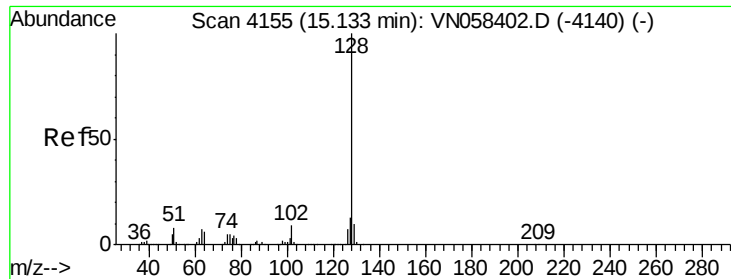
MMDadoda
 9/30/2019 10:19:00 AM



#94
 Hexachlorobutadiene
 Concen: 19.768 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058415.D
 Acq: 27 Sep 2019 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	55120		
223	63.5	31.1	93.5	
227	64.2	31.4	94.2	





#95

Naphthalene

Concen: 23.073 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Instrument :

MSVOA_N

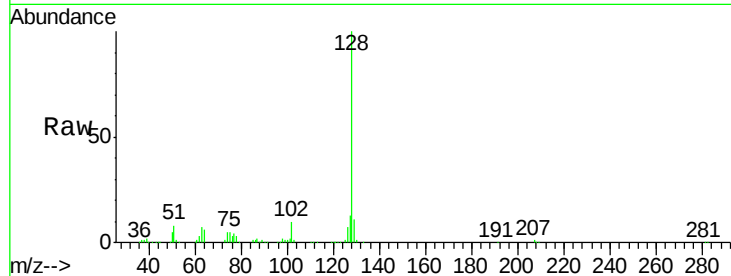
ClientSampleId :

VN0927WBSD01

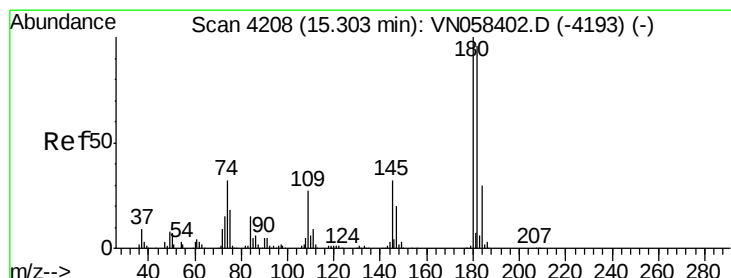
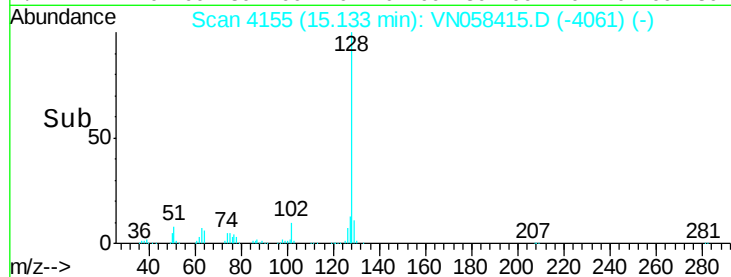
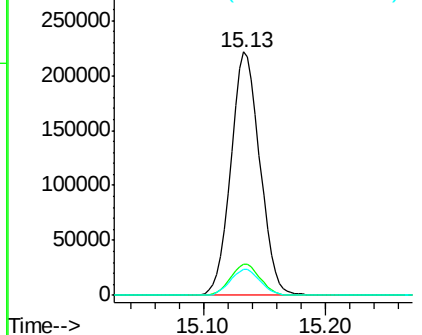
Tot Ion:	128	Resp:	366811
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.2	15.4
129	11.0	8.3	12.5

Manual Integrations
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9/30/2019 10:19:00 AM



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



#96

1,2,3-Trichlorobenzene

Concen: 20.059 ug/l

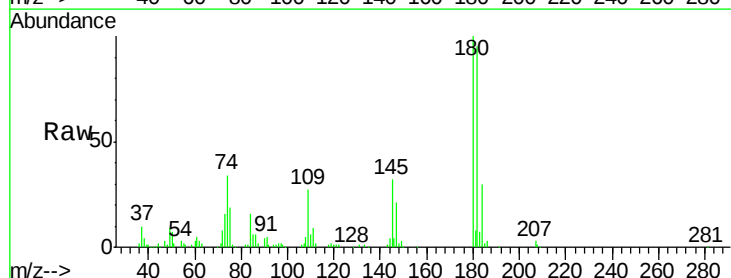
RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058415.D

Acq: 27 Sep 2019 17:57

Tgt Ion:	180	Resp:	109179
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.3	144.9
145	33.1	16.1	48.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

