

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090219\
 Data File : VN057642.D
 Acq On : 1 Sep 2019 14:21
 Operator : JC/SP
 Sample : VN0902MBSD01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2019 11:02:59 AM

Quant Time: Sep 02 02:26:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	187565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	320904	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	286520	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	116707	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	214251	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
35) Dibromofluoromethane	7.58	113	135272	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	10.09	98	530854	49.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.40	95	181925	44.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	63225	21.080	ug/l	97
3) Chloromethane	2.05	50	72989	21.109	ug/l	99
4) Vinyl Chloride	2.18	62	56276	20.779	ug/l	98
5) Bromomethane	2.51	94	38673	22.568	ug/l	100
6) Chloroethane	2.67	64	32601	21.550	ug/l	94
7) Trichlorofluoromethane	3.00	101	80039	21.054	ug/l	96
8) Diethyl Ether	3.39	74	25241	20.065	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	39395	20.440	ug/l	99
10) Methyl Iodide	3.92	142	51193	20.572	ug/l	99
11) Tert butyl alcohol	4.82	59	44373	99.849	ug/l #	91
12) 1,1-Dichloroethene	3.71	96	36771	21.047	ug/l	90
13) Acrolein	3.59	56	16102	91.128	ug/l	96
14) Allyl chloride	4.29	41	103145	18.924	ug/l	95
15) Acrylonitrile	4.97	53	133578	100.171	ug/l	98
16) Acetone	3.81	43	109456	92.177	ug/l	93
17) Carbon Disulfide	4.02	76	107418	19.018	ug/l	99
18) Methyl Acetate	4.31	43	83037	20.366	ug/l	100
19) Methyl tert-butyl Ether	5.03	73	189607	20.977	ug/l	95
20) Methylene Chloride	4.53	84	63488	21.596	ug/l	93
21) trans-1,2-Dichloroethene	5.01	96	52517	20.219	ug/l	100
22) Diisopropyl ether	5.94	45	232842	20.781	ug/l	97
23) Vinyl Acetate	5.88	43	885663	102.853	ug/l	98
24) 1,1-Dichloroethane	5.82	63	116419	20.699	ug/l	98
25) 2-Butanone	6.83	43	195380	98.743	ug/l	100
26) 2,2-Dichloropropane	6.81	77	83820	18.645	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	63366	20.430	ug/l	99
28) Bromochloromethane	7.18	49	57013	19.036	ug/l	97
29) Tetrahydrofuran	7.20	42	130135	104.832	ug/l	98
30) Chloroform	7.36	83	118332	20.739	ug/l	94
31) Cyclohexane	7.64	56	111929	19.940	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	94438	20.177	ug/l	97
36) 1,1-Dichloropropene	7.78	75	84281	19.810	ug/l	99
37) Ethyl Acetate	6.92	43	82387	20.329	ug/l	99
38) Carbon Tetrachloride	7.76	117	73215	19.225	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	100997	20.092	ug/l	97
40) Benzene	8.03	78	246958	19.941	ug/l	100
41) Methacrylonitrile	7.16	41	36283	17.525	ug/l	90
42) 1,2-Dichloroethane	8.11	62	106530	21.178	ug/l	100
43) Isopropyl Acetate	8.16	43	141550	19.413	ug/l	99
44) Trichloroethene	8.83	130	55855	19.881	ug/l	94
45) 1,2-Dichloropropane	9.11	63	69551	20.162	ug/l	99
46) Dibromomethane	9.20	93	42722	20.002	ug/l	100
47) Bromodichloromethane	9.40	83	84827	19.548	ug/l	97
48) Methyl methacrylate	9.19	41	74462	20.003	ug/l	99
49) 1,4-Dioxane	9.20	88	17170	393.884	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	435264	104.155	ug/l	100
52) Toluene	10.15	92	148240	20.252	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	81051	18.862	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	92338	18.525	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	55485	19.979	ug/l	97
56) Ethyl methacrylate	10.43	69	89566	19.326	ug/l	97
57) 1,3-Dichloropropane	10.70	76	103780	20.368	ug/l	95
58) 2-Chloroethyl Vinyl ether	9.69	63	120596	88.942	ug/l	99
59) 2-Hexanone	10.75	43	294091	95.830	ug/l	99
60) Dibromochloromethane	10.90	129	49096	18.528	ug/l	99
61) 1,2-Dibromoethane	11.00	107	56033	20.038	ug/l	98
64) Tetrachloroethene	10.63	164	53007	21.366	ug/l	94
65) Chlorobenzene	11.43	112	149511	20.824	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	50575	20.198	ug/l	95
67) Ethyl Benzene	11.51	91	294375	21.102	ug/l	99
68) m/p-Xylenes	11.62	106	198963	40.485	ug/l	98
69) o-Xylene	11.95	106	97214	20.411	ug/l	99
70) Styrene	11.96	104	153050	19.516	ug/l	98
71) Bromoform	12.13	173	27268	19.049	ug/l #	96
73) Isopropylbenzene	12.25	105	264907	22.482	ug/l	99
74) N-amyl acetate	12.07	43	122125	21.962	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	77388	22.284	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	74319m	24.209	ug/l	
77) Bromobenzene	12.53	156	58797	23.445	ug/l	96
78) n-propylbenzene	12.59	91	286715	21.862	ug/l	98
79) 2-Chlorotoluene	12.67	91	180785	22.107	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	217905	22.479	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	16969	18.947	ug/l	92
82) 4-Chlorotoluene	12.77	91	167344	20.673	ug/l	99
83) tert-Butylbenzene	12.99	119	183801	22.346	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	202338	21.575	ug/l	100
85) sec-Butylbenzene	13.17	105	238406	21.549	ug/l	99
86) p-Isopropyltoluene	13.29	119	191606	20.942	ug/l	97
87) 1,3-Dichlorobenzene	13.29	146	82276	20.138	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	81342	20.611	ug/l	97
89) n-Butylbenzene	13.62	91	178163	20.779	ug/l	99
90) Hexachloroethane	13.88	117	29593	18.630	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	80876	20.744	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	10370	19.393	ug/l	94

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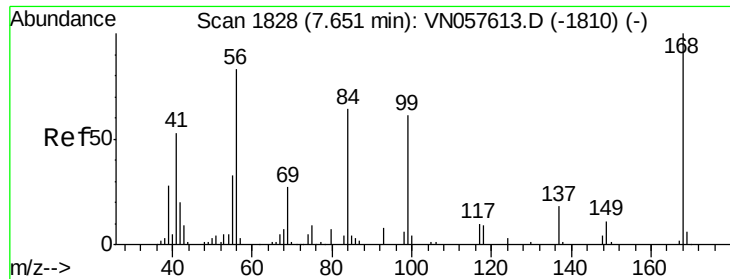
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	25571	20.900	ug/l	96
94) Hexachlorobutadiene	15.01	225	25985	19.422	ug/l	99
95) Naphthalene	15.13	128	77919	20.334	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	24838	20.157	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

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Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBSD01

Tot Ion:168 Resp: 187565

Ion Ratio Lower Upper

168 100

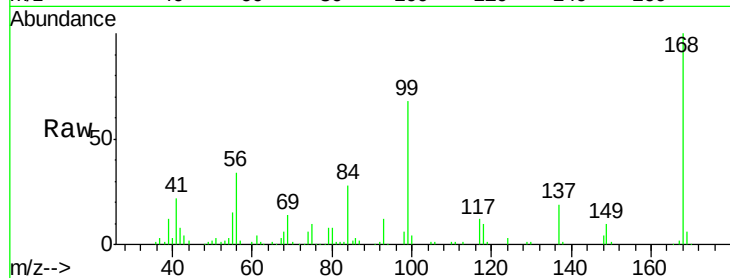
99 67.8 54.2 81.2

Manual Integrations

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9/3/2019 11:02:59 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

80000

60000

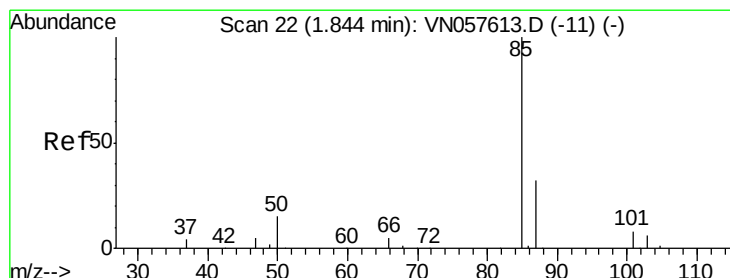
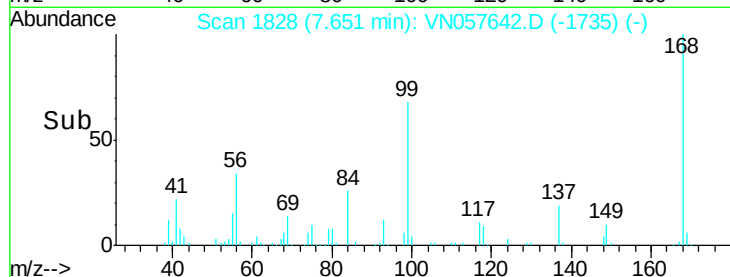
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 21.080 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN057642.D

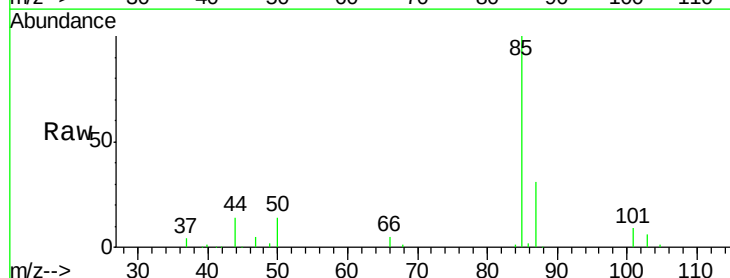
Acq: 1 Sep 2019 14:21

Tgt Ion: 85 Resp: 63225

Ion Ratio Lower Upper

85 100

87 30.9 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

50000

40000

30000

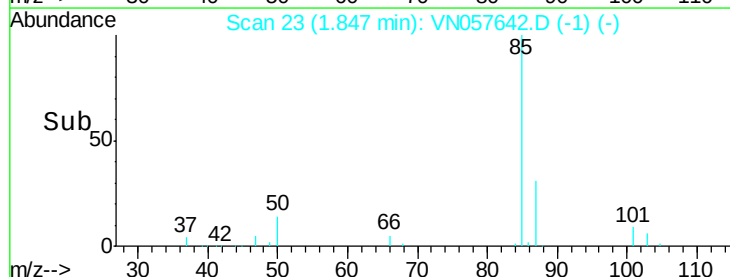
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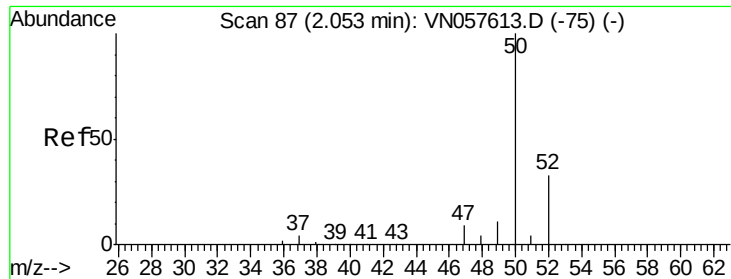
10000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 21.109 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBSD01

Tot Ion: 50 Resp: 72989

Ion Ratio Lower Upper

50 100

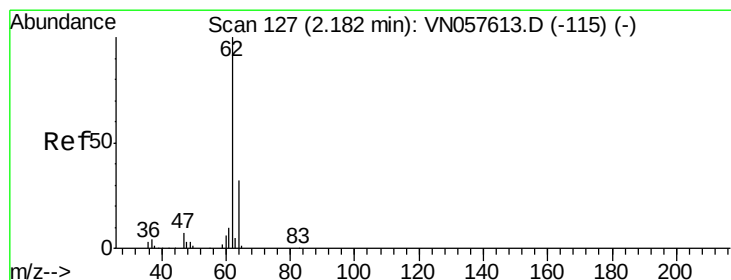
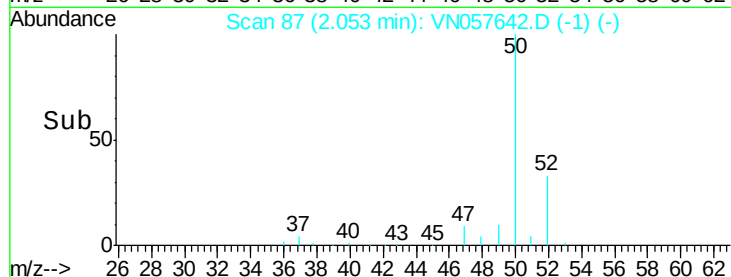
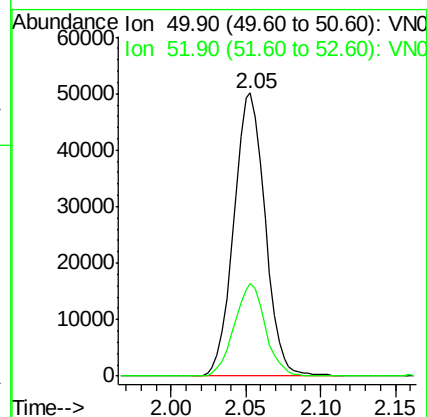
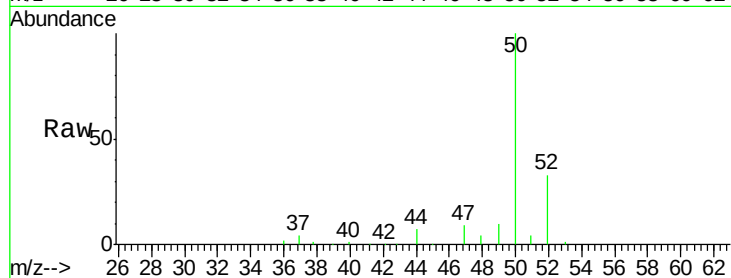
52 32.8 26.7 40.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.779 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057642.D

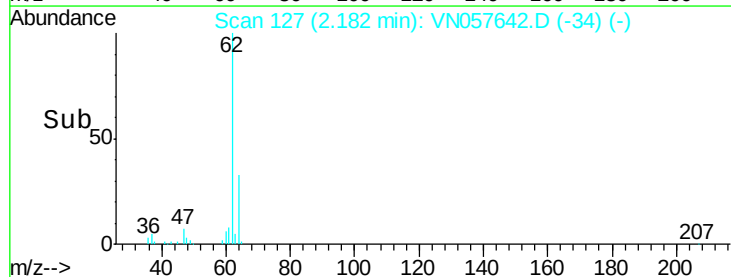
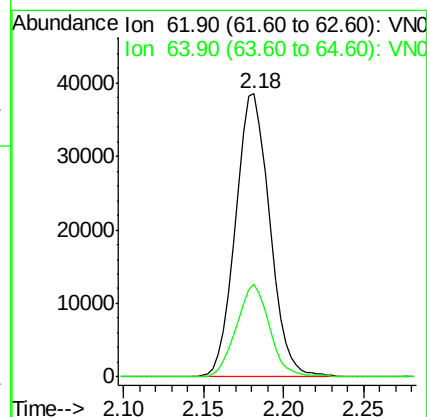
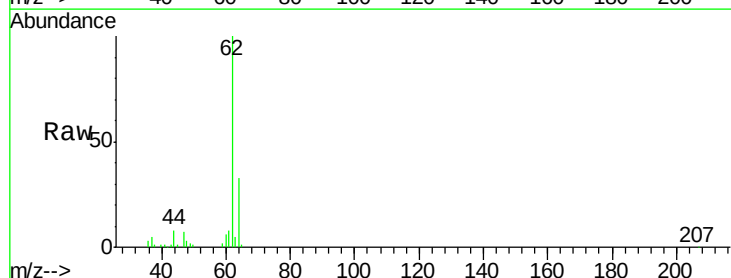
Acq: 1 Sep 2019 14:21

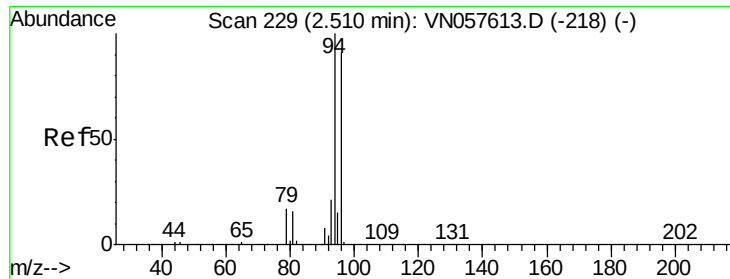
Tgt Ion: 62 Resp: 56276

Ion Ratio Lower Upper

62 100

64 32.5 25.2 37.8





#5

Bromomethane

Concen: 22.568 ug/l

RT: 2.51 min Scan# 229

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBSD01

Tot Ion: 94 Resp: 38673

Ion Ratio Lower Upper

94 100

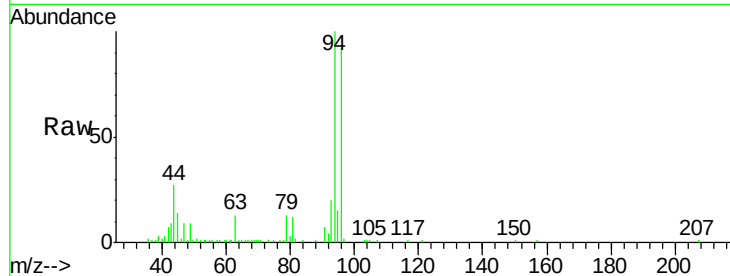
96 90.9 72.9 109.3

Manual Integrations

APPROVED

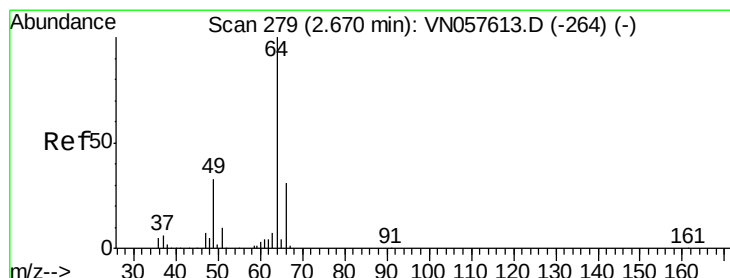
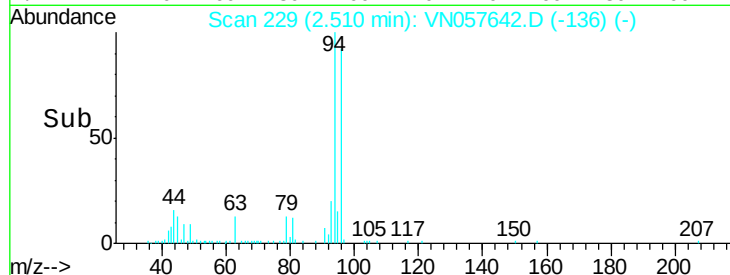
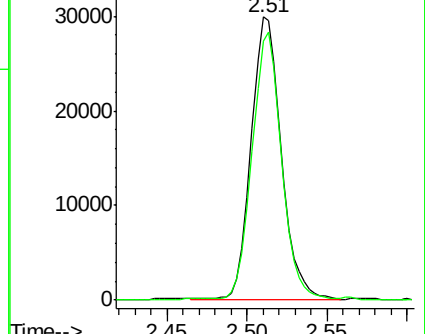
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.550 ug/l

RT: 2.67 min Scan# 278

Delta R.T. -0.00 min

Lab File: VN057642.D

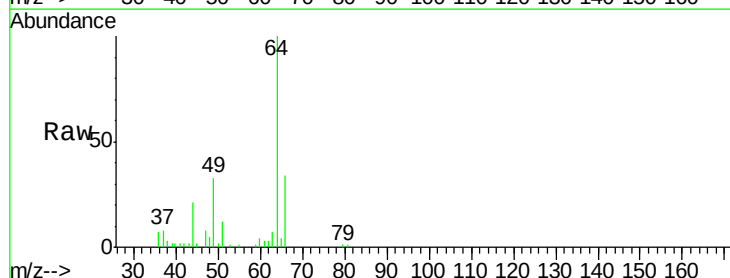
Acq: 1 Sep 2019 14:21

Tgt Ion: 64 Resp: 32601

Ion Ratio Lower Upper

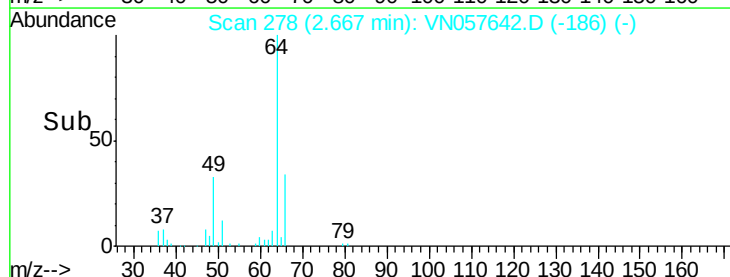
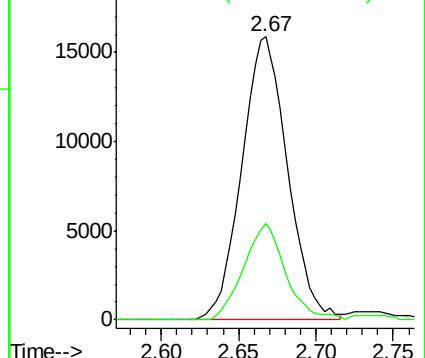
64 100

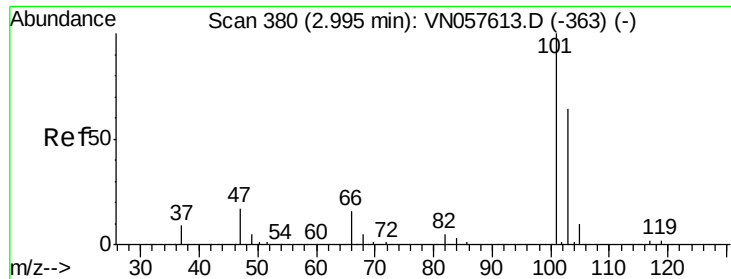
66 34.0 24.7 37.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

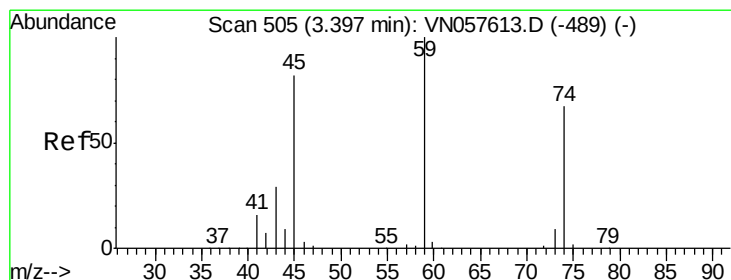
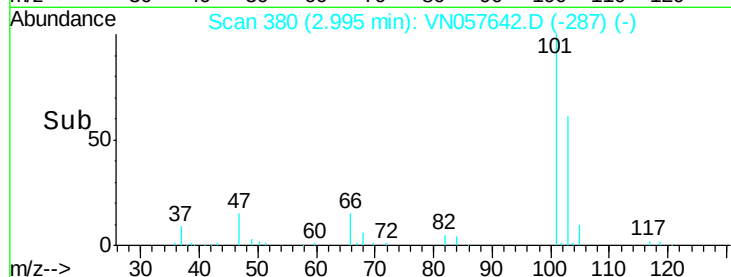
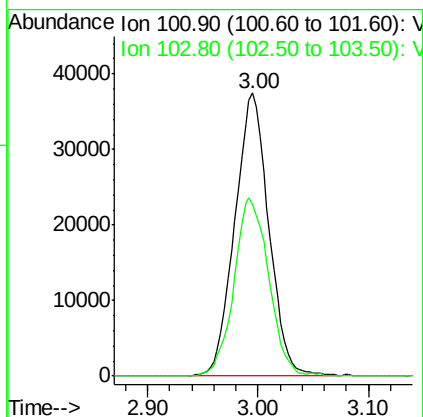
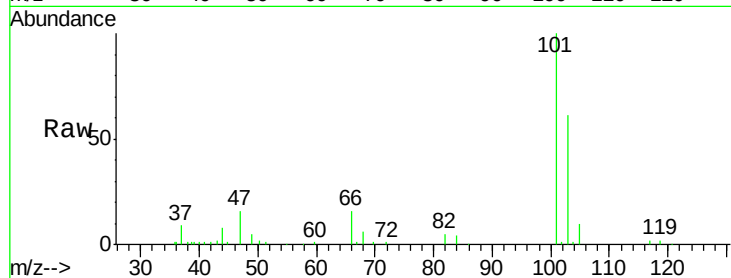
Trichlorofluoromethane
Concen: 21.054 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
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ClientSampleId :
VN0902MBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.9	51.3	76.9

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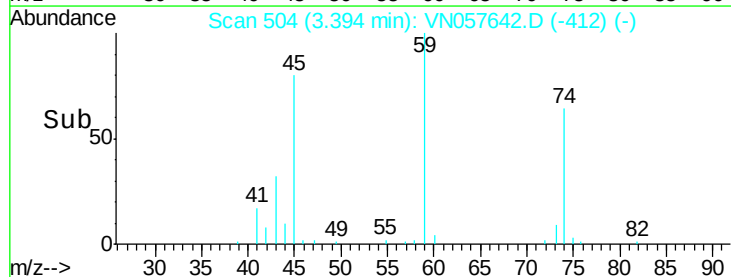
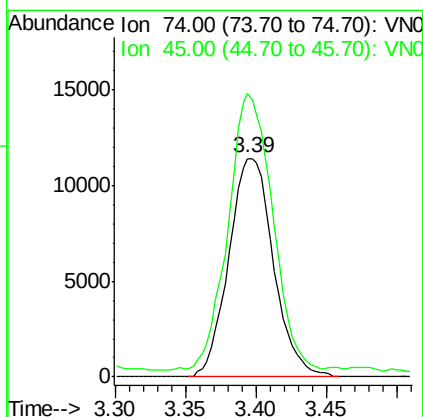
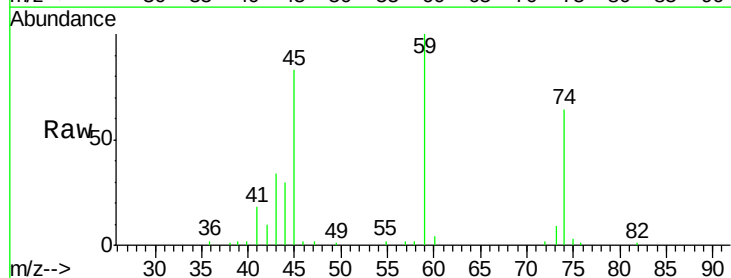
MMDadoda
9/3/2019 11:02:59 AM

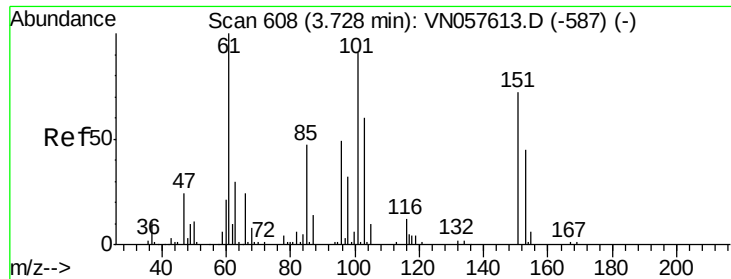


#8

Diethyl Ether
Concen: 20.065 ug/l
RT: 3.39 min Scan# 504
Delta R.T. -0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	125.9	61.9	185.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.440 ug/l

RT: 3.73 min Scan# 608

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

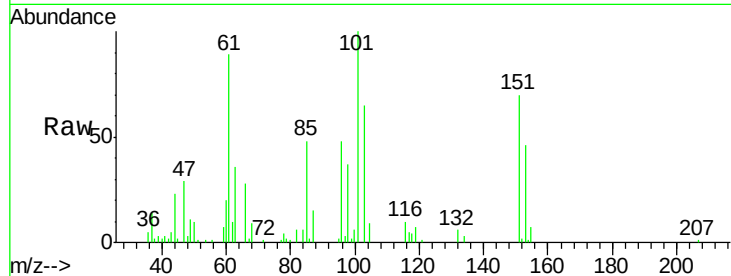
ClientSampleId :

VN0902MBSD01

Tot Ion:	101	Resp:	39395
Ion Ratio	Lower	Upper	
101	100		
85	52.3	42.1	63.1
151	74.8	60.2	90.4

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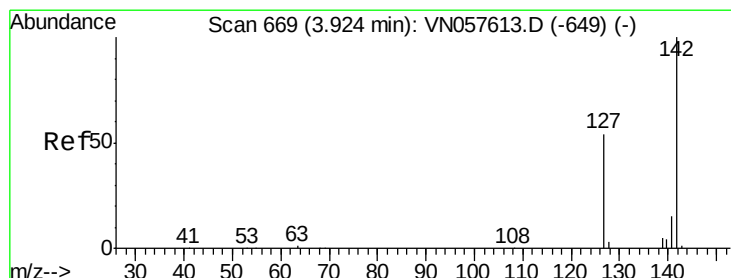
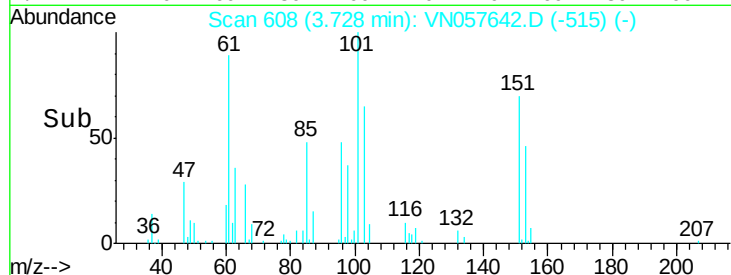
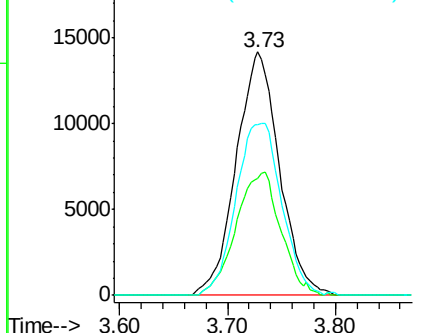
MMDadoda
9/3/2019 11:02:59 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.572 ug/l

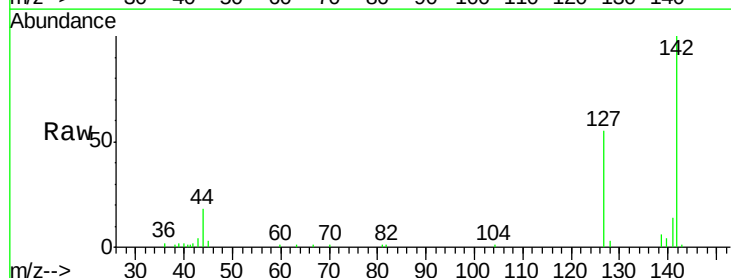
RT: 3.92 min Scan# 668

Delta R.T. -0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

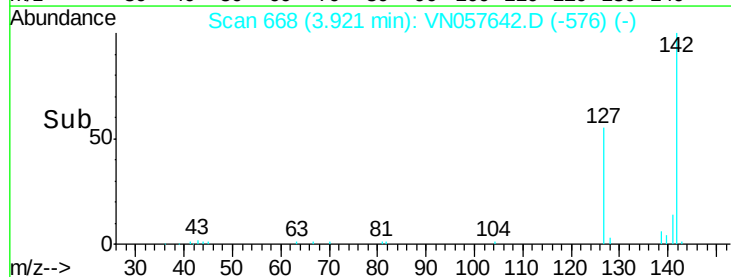
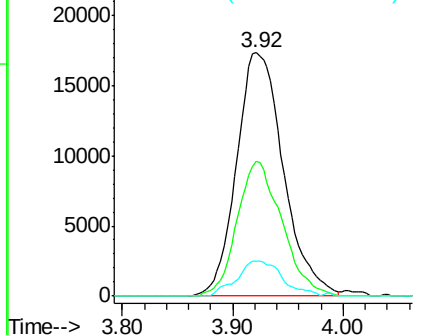
Tgt Ion:	142	Resp:	51193
Ion Ratio	Lower	Upper	
142	100		
127	52.7	43.0	64.6
141	14.0	11.4	17.2

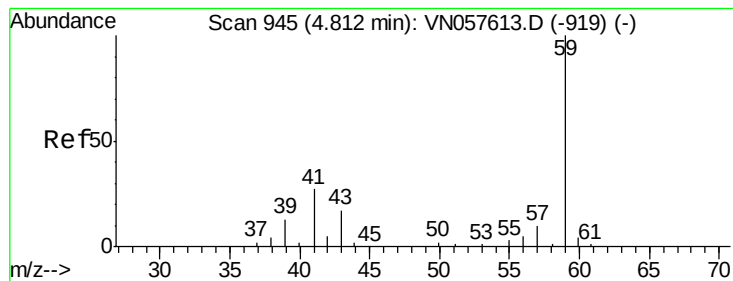


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

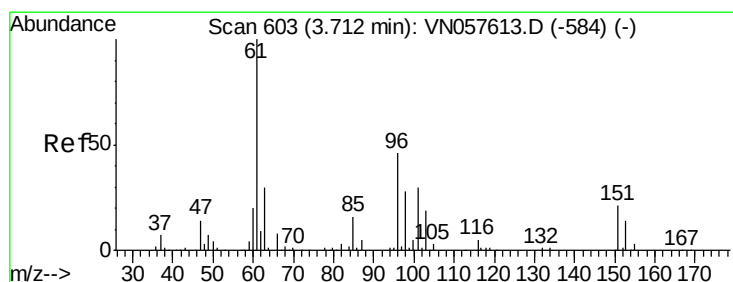
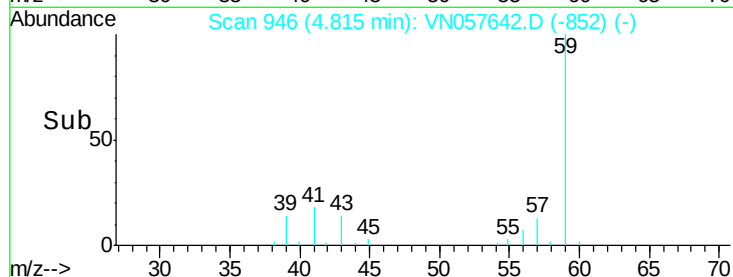
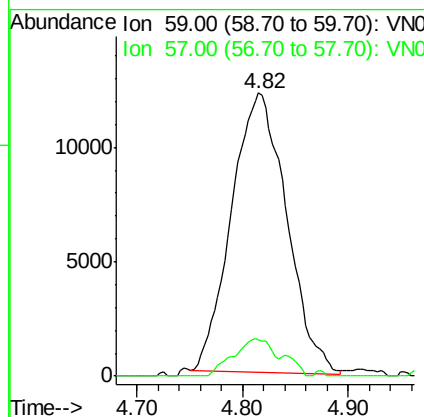
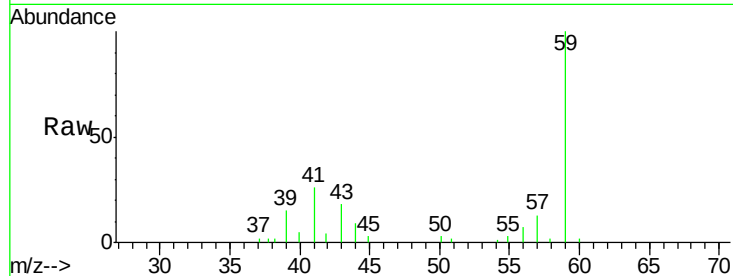
Tert butyl alcohol
 Concen: 99.849 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Instrument :
 MSVOA_N
 ClientSampled :
 VN0902MBSD01

Tot Ion	59	57	Ratio	100	9.4	Resp:	44373	Lower	5.0	Upper	7.6#
Ion	59	57	Ratio	100	9.4	Resp:	44373	Lower	5.0	Upper	7.6#

Manual Integrations
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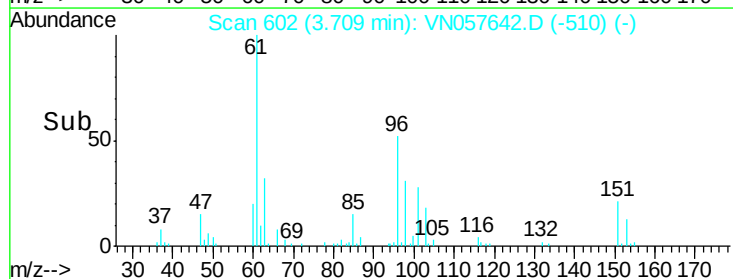
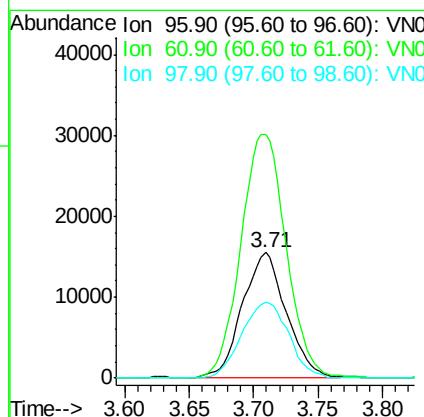
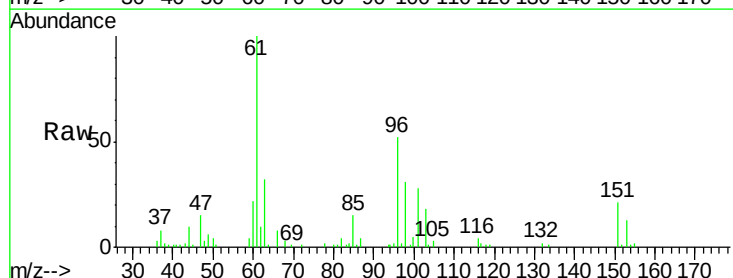
MMDadoda
 9/3/2019 11:02:59 AM

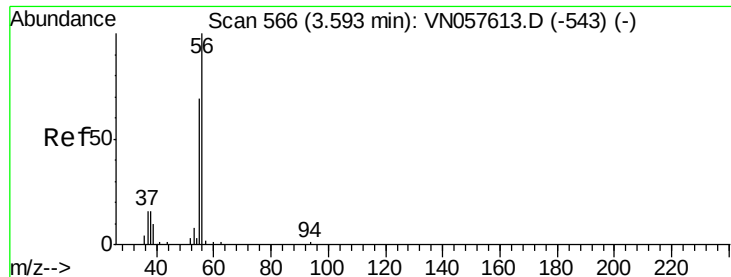


#12

1,1-Dichloroethene
 Concen: 21.047 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. -0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion	96	61	98	Ratio	100	193.9	60.3	Resp:	36771	Lower	172.1	48.3	Upper	258.1	72.5
Ion	96	61	98	Ratio	100	193.9	60.3	Resp:	36771	Lower	172.1	48.3	Upper	258.1	72.5





#13

Acrolein

Concen: 91.128 ug/l

RT: 3.59 min Scan# 564

Delta R.T. -0.01 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBSD01

Tot Ion: 56 Resp: 16102

Ion Ratio Lower Upper

56 100

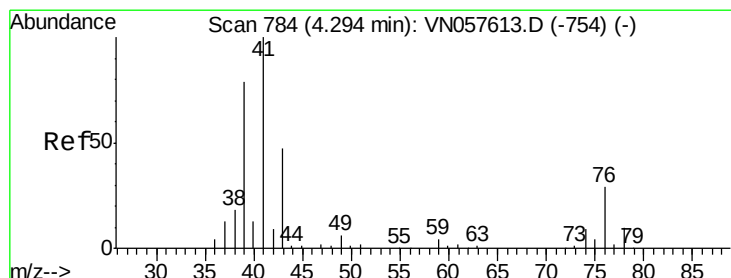
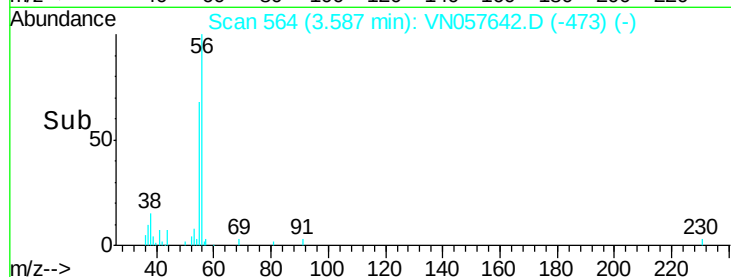
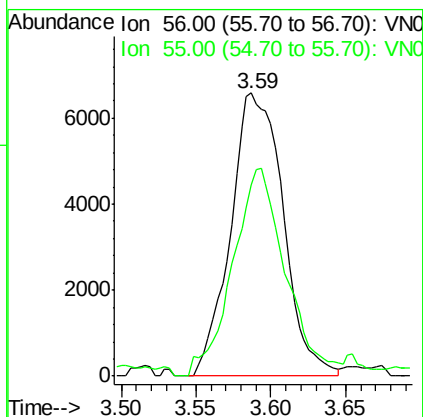
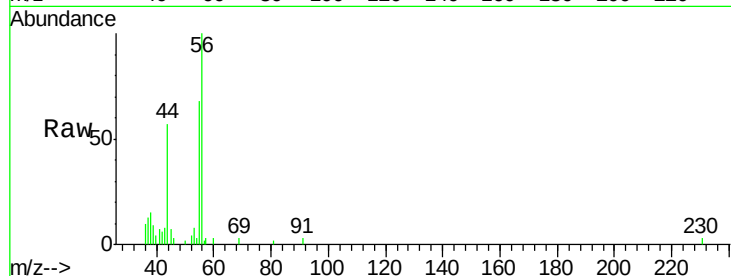
55 73.8 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 18.924 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

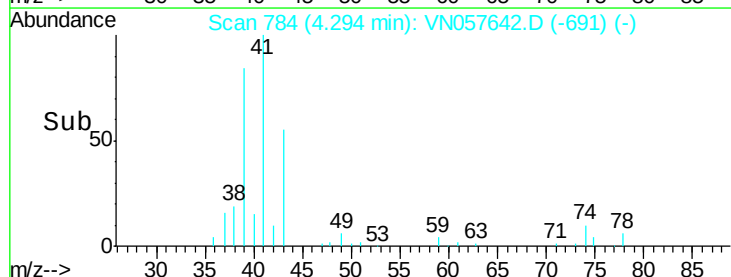
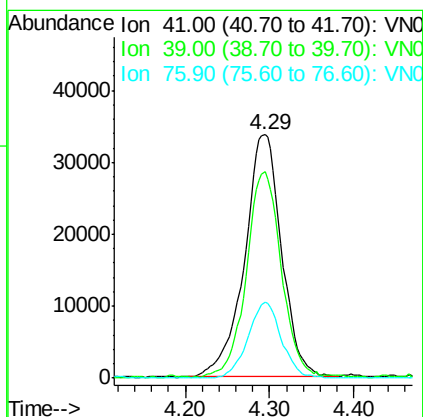
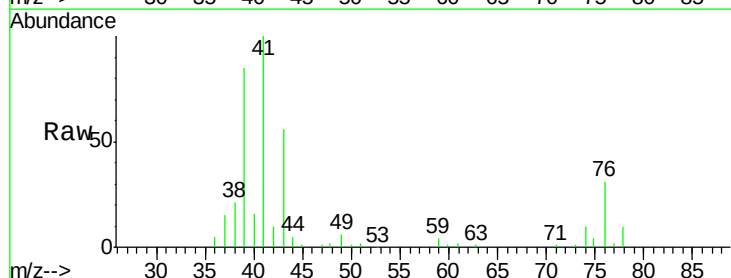
Tgt Ion: 41 Resp: 103145

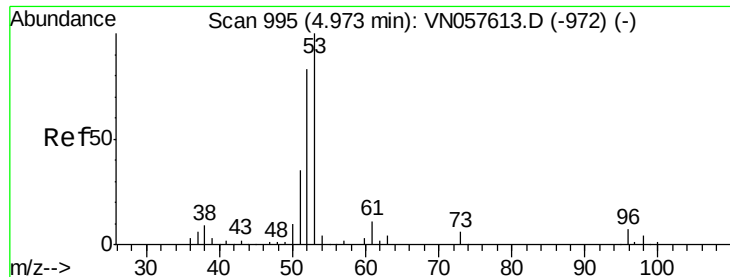
Ion Ratio Lower Upper

41 100

39 80.7 60.9 91.3

76 28.2 21.1 31.7





#15

Acrylonitrile

Concen: 100.171 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

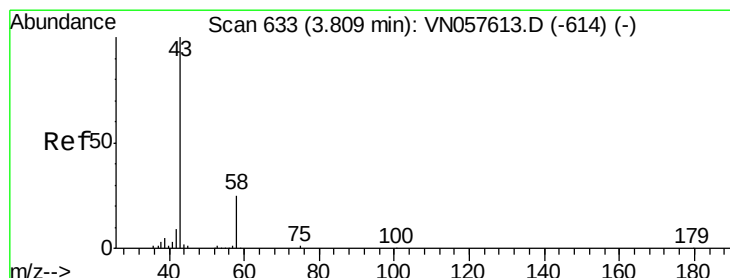
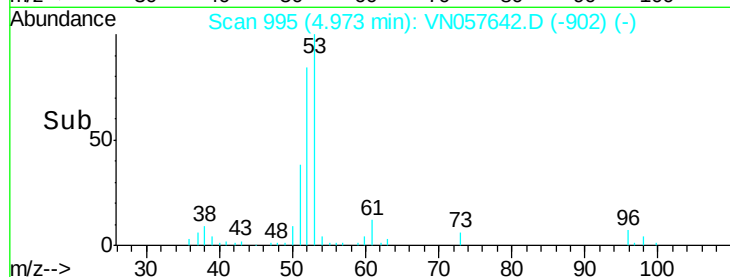
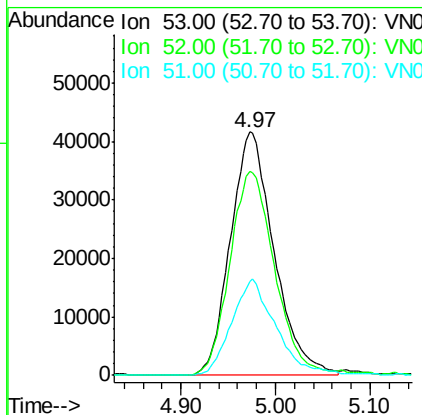
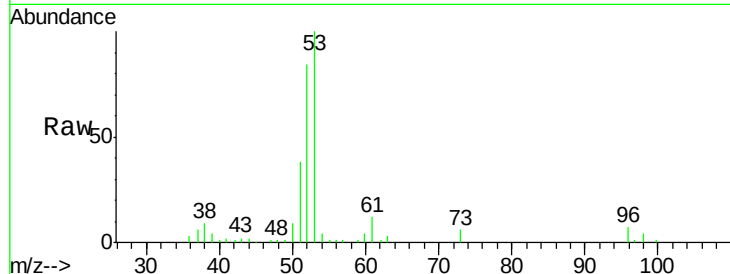
ClientSampleId :

VN0902MBSD01

Tot Ion:	53	Resp:	133578
Ion	Ratio	Lower	Upper
53	100		
52	85.6	67.1	100.7
51	39.9	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 92.177 ug/l

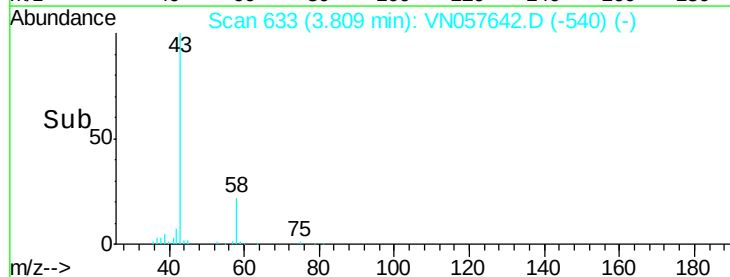
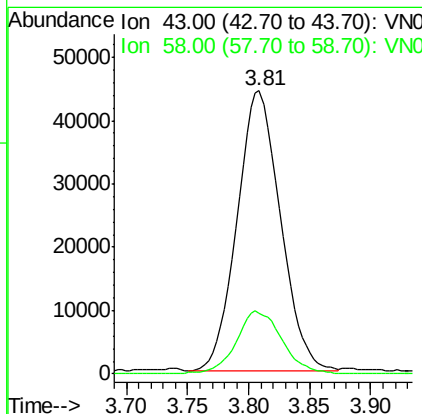
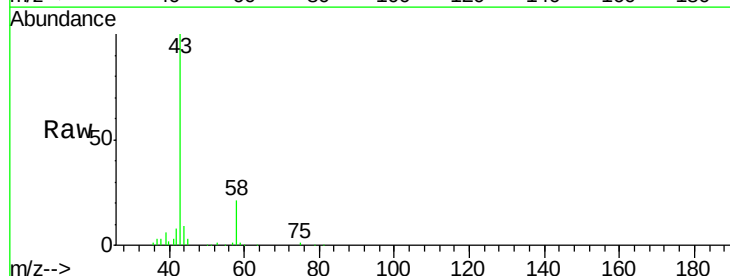
RT: 3.81 min Scan# 633

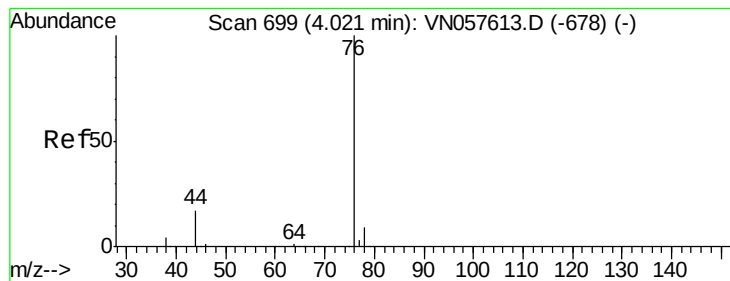
Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Tgt Ion:	43	Resp:	109456
Ion	Ratio	Lower	Upper
43	100		
58	21.6	20.0	30.0





#17

Carbon Disulfide

Concen: 19.018 ug/l

RT: 4.02 min Scan# 699

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBSD01

Tot Ion: 76 Resp: 107418

Ion Ratio Lower Upper

76 100

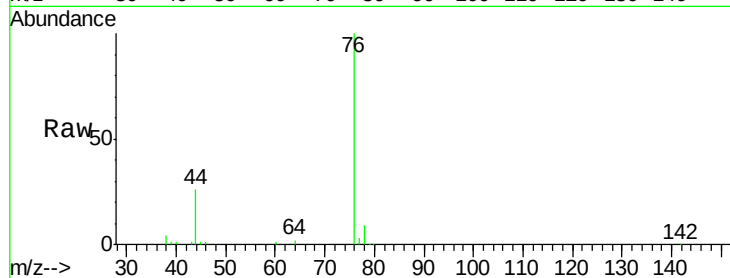
78 9.1 6.9 10.3

Manual Integrations

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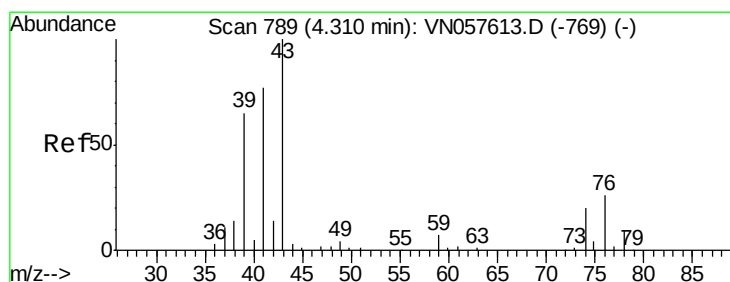
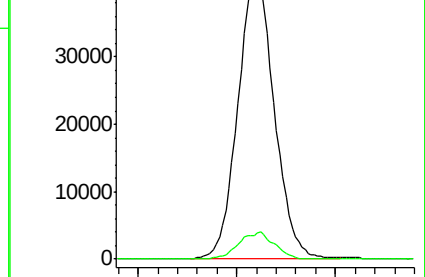
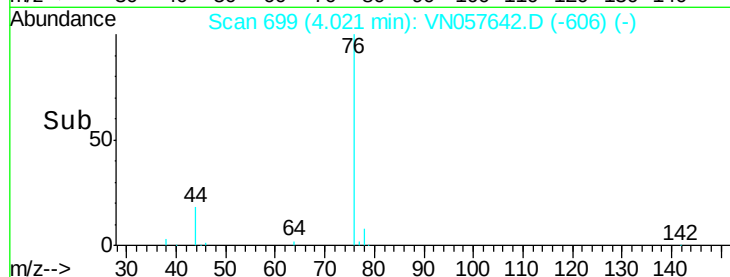


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.02

Time-->



#18

Methyl Acetate

Concen: 20.366 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN057642.D

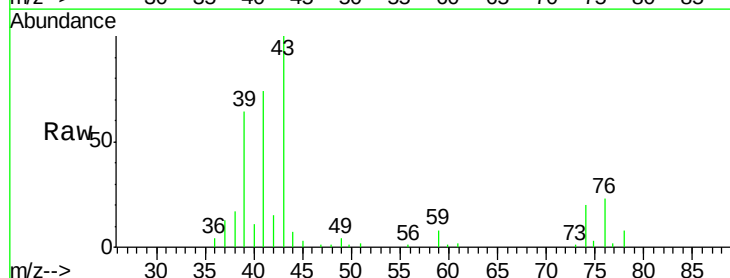
Acq: 1 Sep 2019 14:21

Tgt Ion: 43 Resp: 83037

Ion Ratio Lower Upper

43 100

74 19.6 15.7 23.5

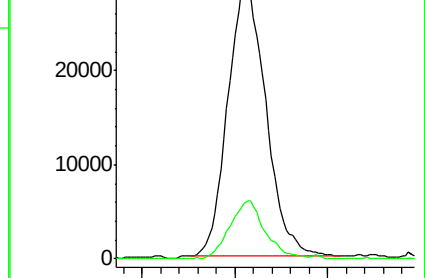
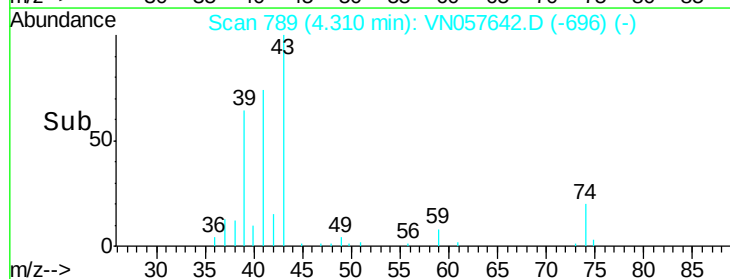


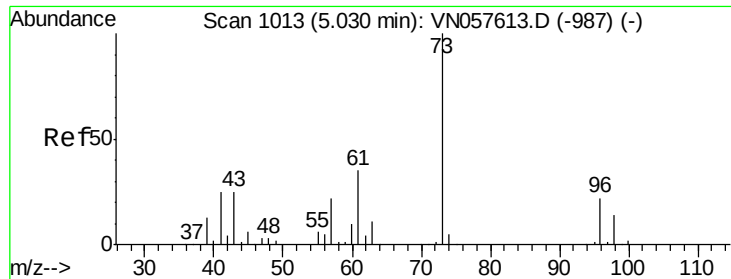
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.31

Time-->





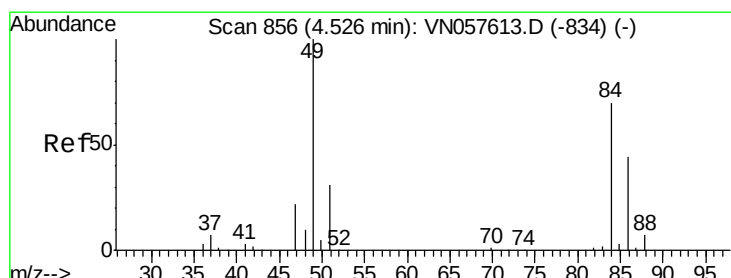
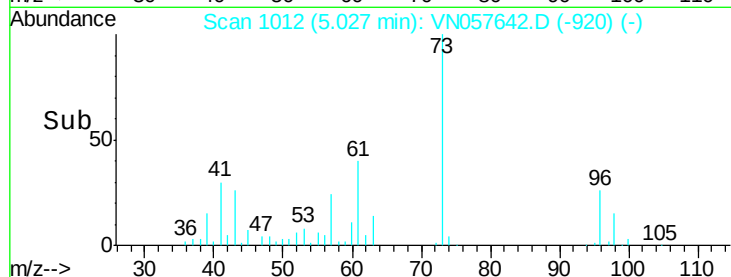
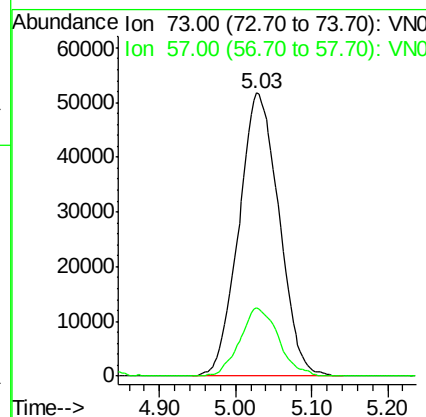
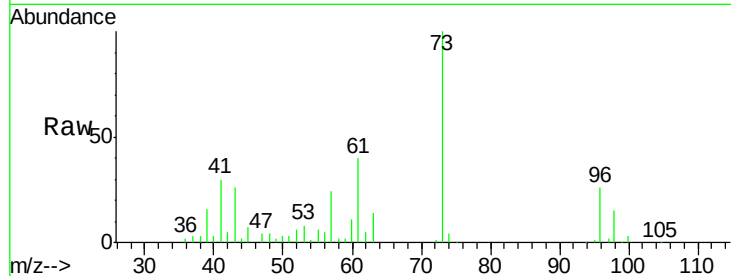
#19
Methyl tert-butyl Ether
Concen: 20.977 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

Tot Ion: 73 Resp: 189607
Ion Ratio Lower Upper
73 100
57 24.0 17.3 25.9

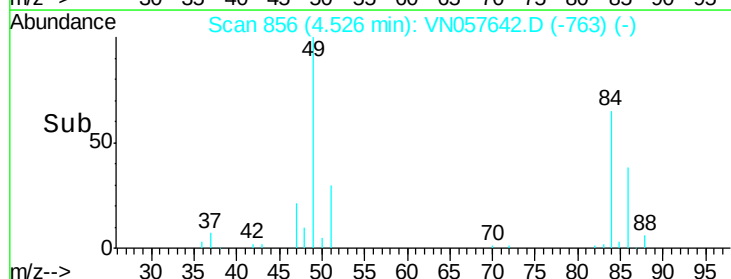
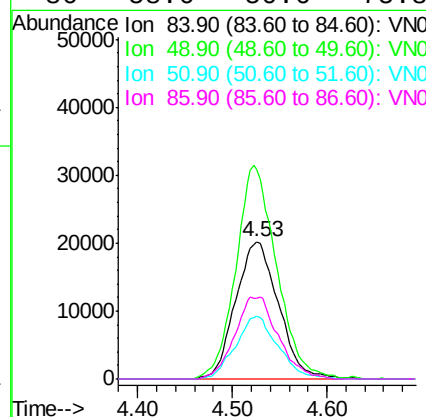
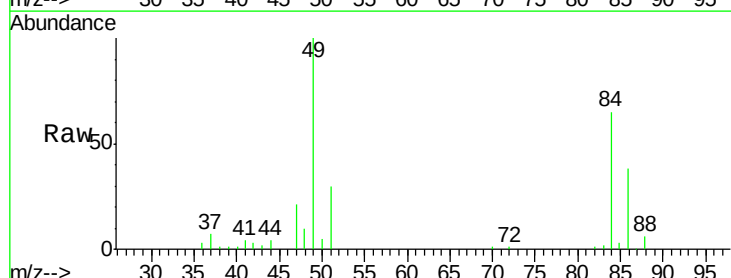
Manual Integrations
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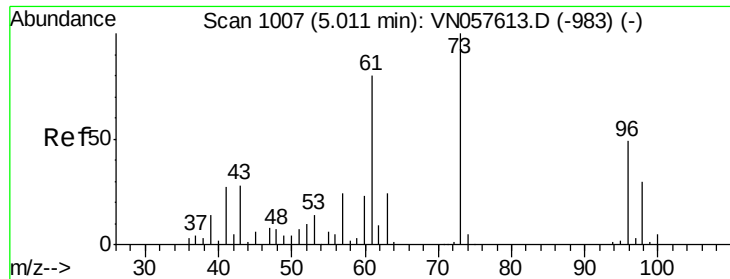
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#20
Methylene Chloride
Concen: 21.596 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion: 84 Resp: 63488
Ion Ratio Lower Upper
84 100
49 153.3 113.8 170.6
51 45.3 35.0 52.6
86 58.6 50.6 75.8





#21

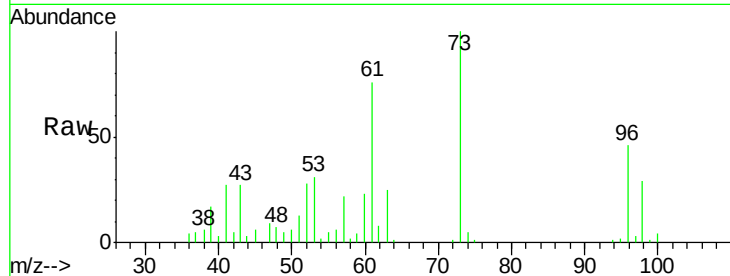
trans-1,2-Dichloroethene
Concen: 20.219 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampled :
VN0902MBSD01

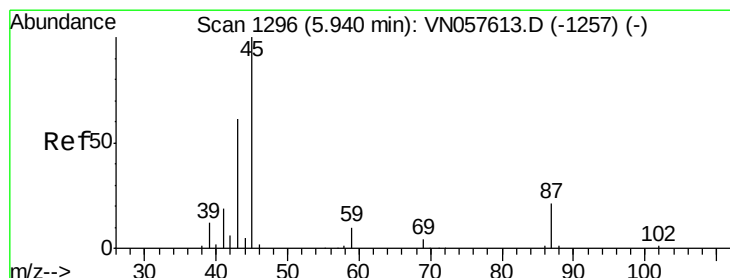
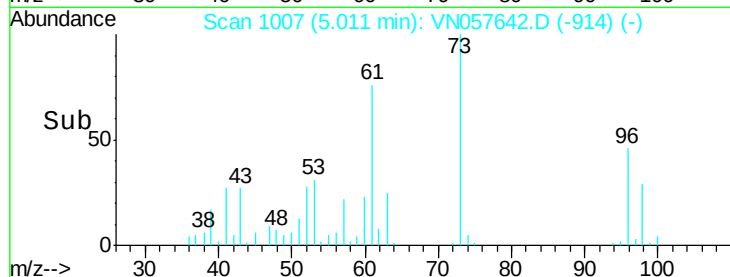
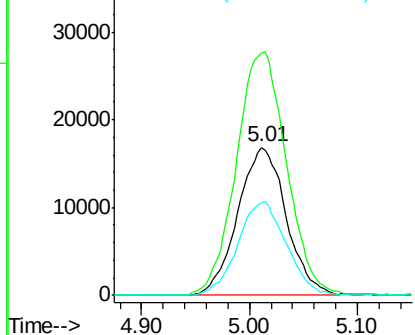
Tot Ion	Ratio	Lower	Upper
96	100		
61	164.2	131.6	197.4
98	63.1	49.9	74.9

Manual Integrations
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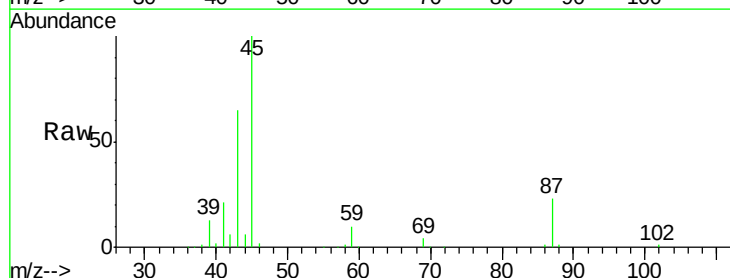
Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



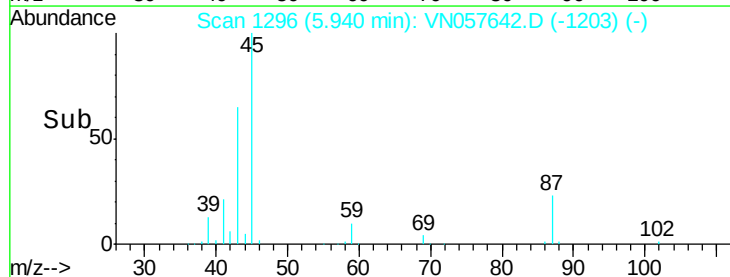
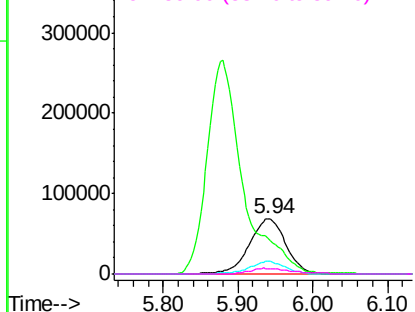
#22

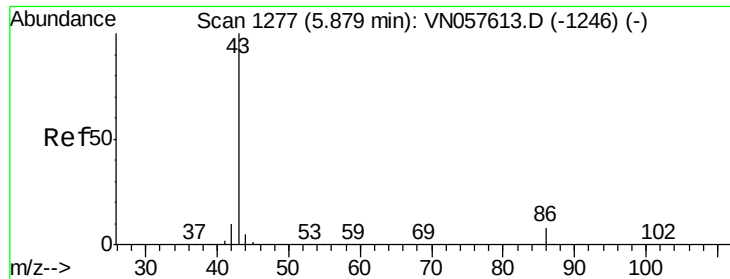
Diisopropyl ether
Concen: 20.781 ug/l
RT: 5.94 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.0	49.1	73.7
87	23.2	17.0	25.6
59	9.6	8.2	12.2



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





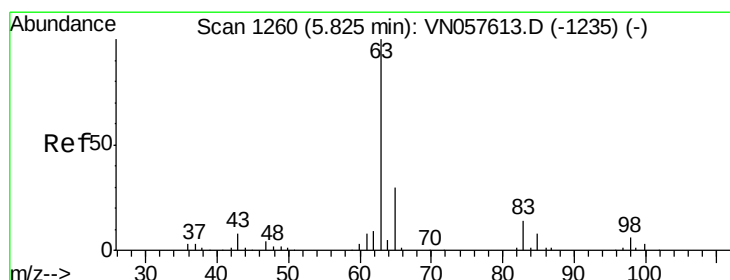
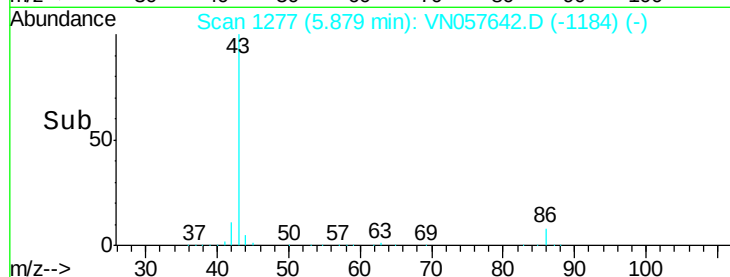
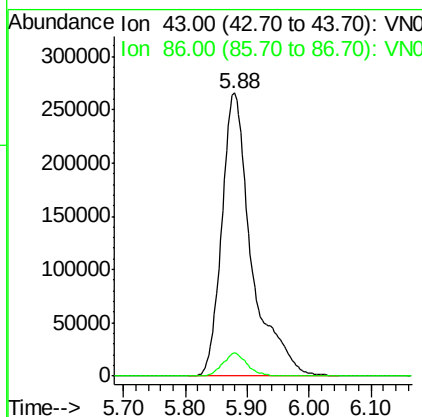
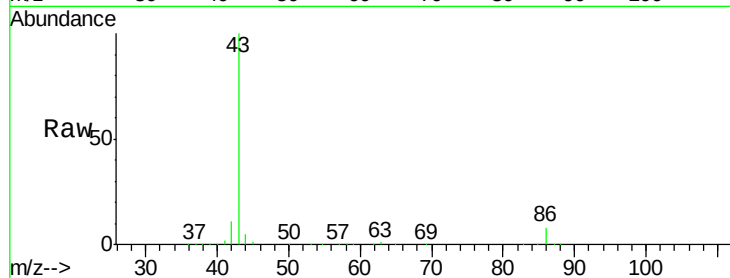
#23
 Vinyl Acetate
 Concen: 102.853 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

Tot Ion	43	Resp	885663
Ion Ratio	100	Lower	Upper
43	100		
86	8.2	6.1	9.1

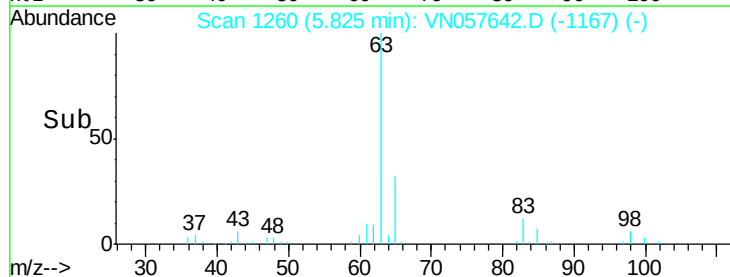
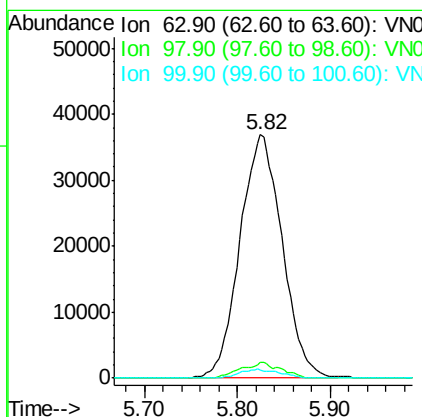
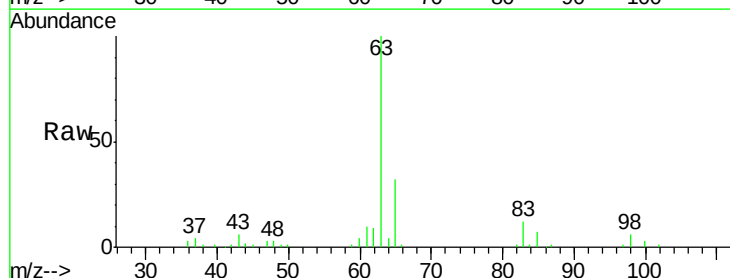
Manual Integrations
 APPROVED

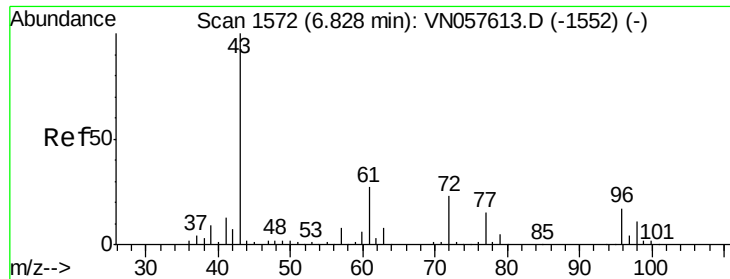
MMDadoda
 9/3/2019 11:02:59 AM



#24
 1,1-Dichloroethane
 Concen: 20.699 ug/l
 RT: 5.82 min Scan# 1260
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion	63	Resp	116419
Ion Ratio	100	Lower	Upper
63	100		
98	6.3	2.8	8.4
100	3.4	1.5	4.5





#25

2-Butanone

Concen: 98.743 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

VN0902MBSD01

Tot Ion: 43 Resp: 195380

Ion Ratio Lower Upper

43 100

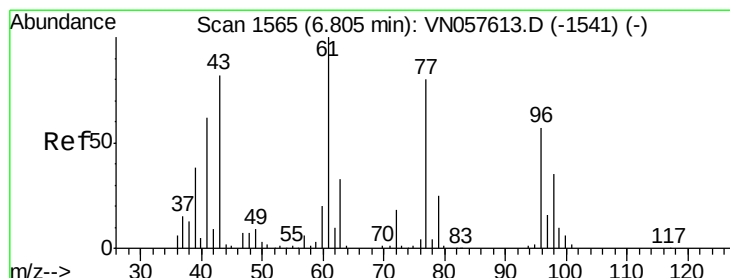
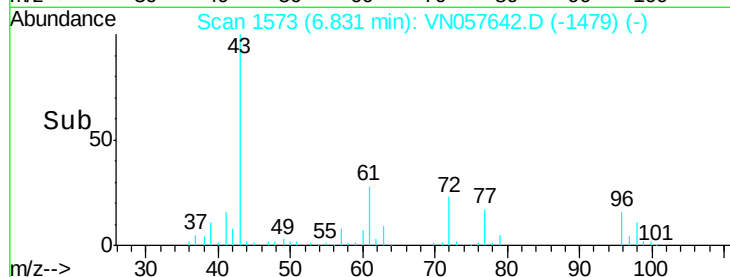
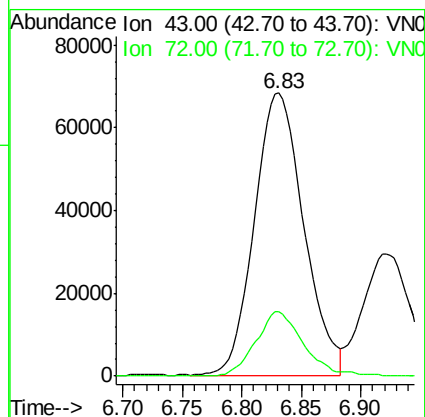
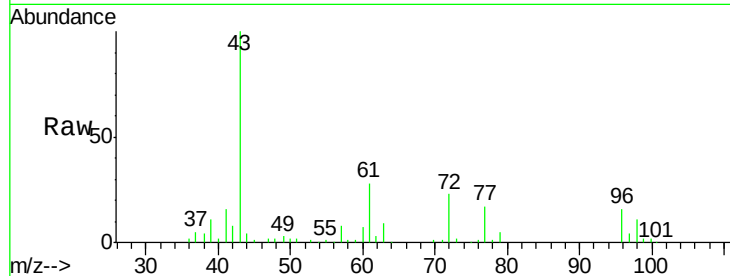
72 23.0 18.2 27.4

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#26

2,2-Dichloropropane

Concen: 18.645 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057642.D

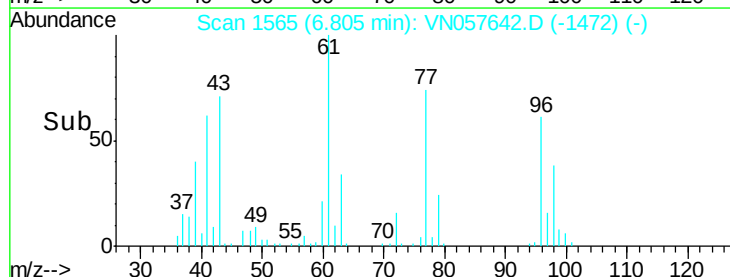
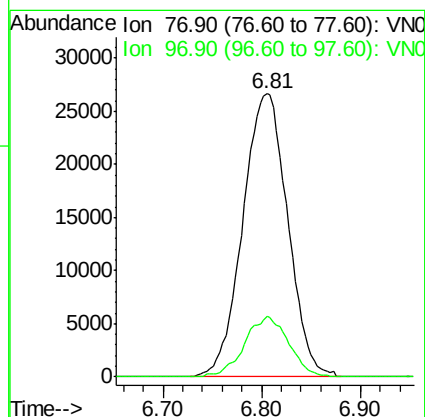
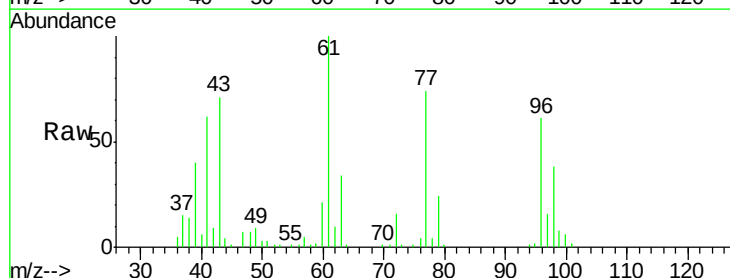
Acq: 1 Sep 2019 14:21

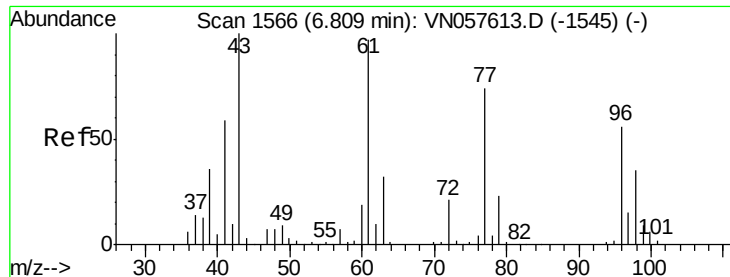
Tgt Ion: 77 Resp: 83820

Ion Ratio Lower Upper

77 100

97 20.9 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 20.430 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

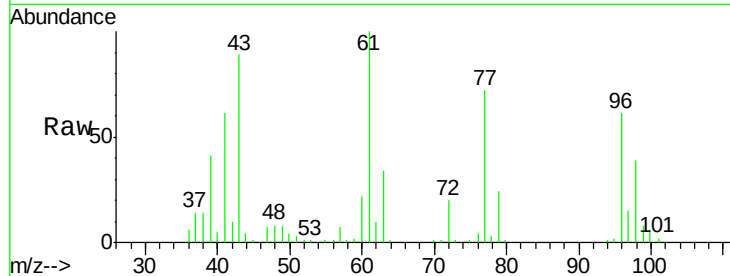
ClientSampleId :

VN0902MBSD01

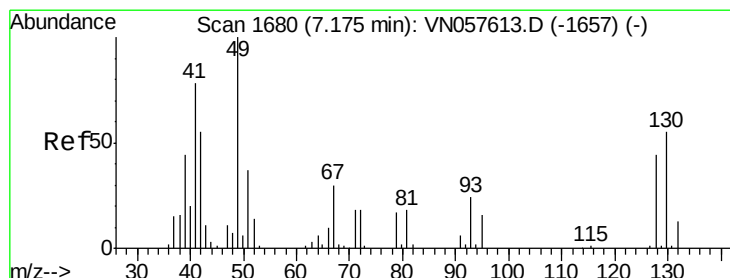
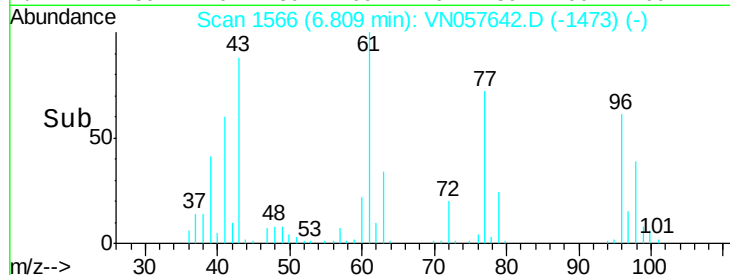
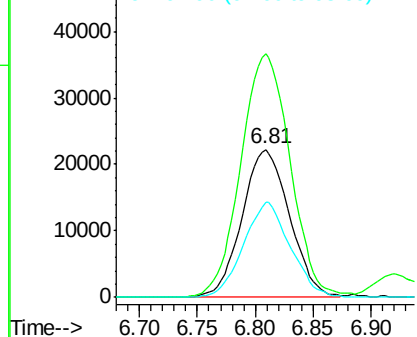
Tot Ion:	96	Resp:	63366
Ion	Ratio	Lower	Upper
96	100		
61	171.5	0.0	344.6
98	63.5	0.0	124.8

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Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 19.036 ug/l

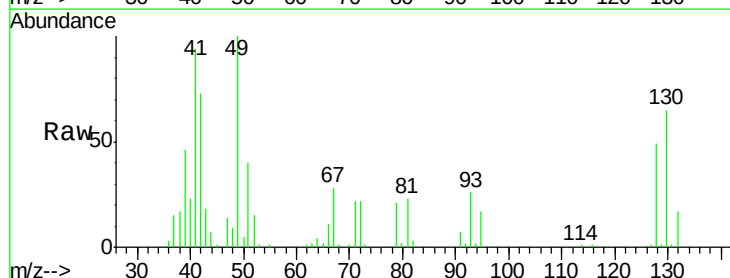
RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

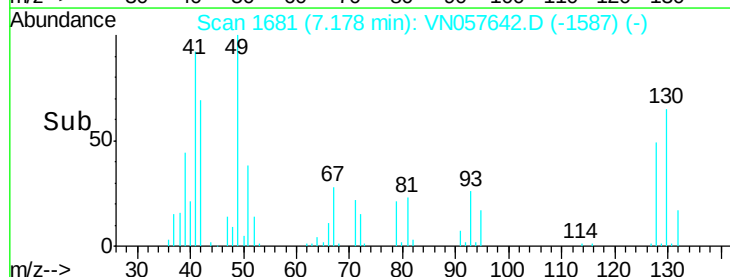
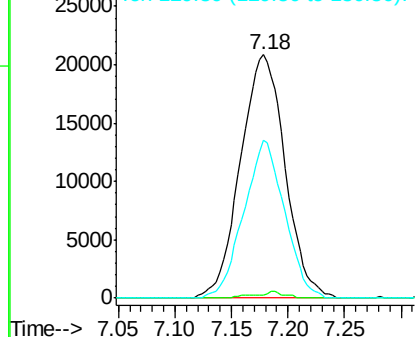
Lab File: VN057642.D

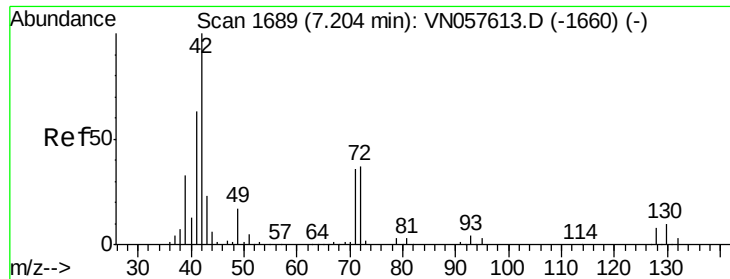
Acq: 1 Sep 2019 14:21

Tgt Ion:	49	Resp:	57013
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	1.8
130	59.2	45.8	68.8



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





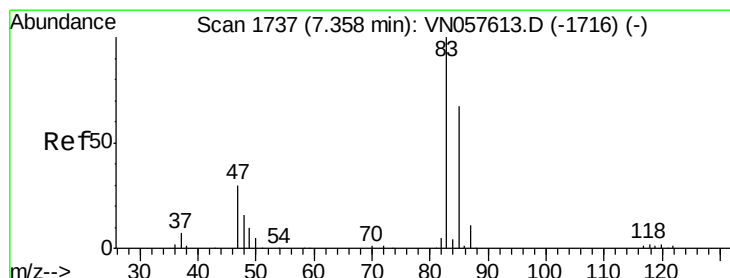
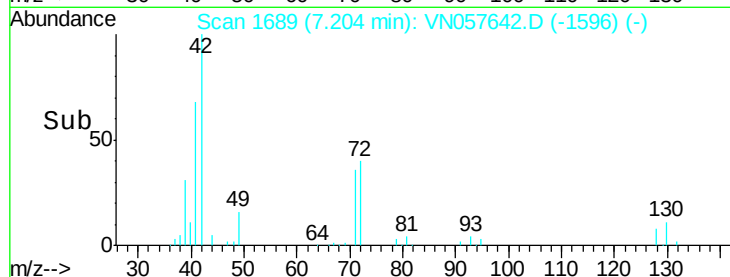
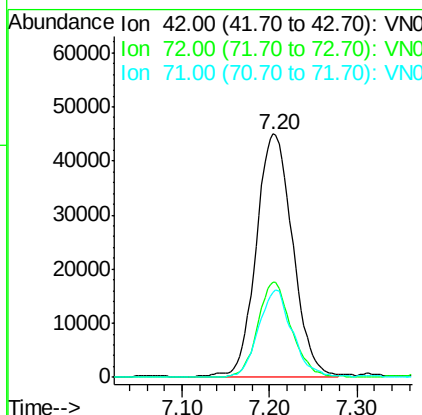
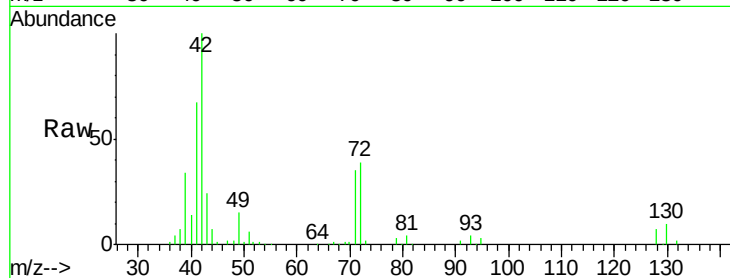
#29
Tetrahydrofuran
Concen: 104.832 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.1	29.6	44.4
71	33.4	27.9	41.9

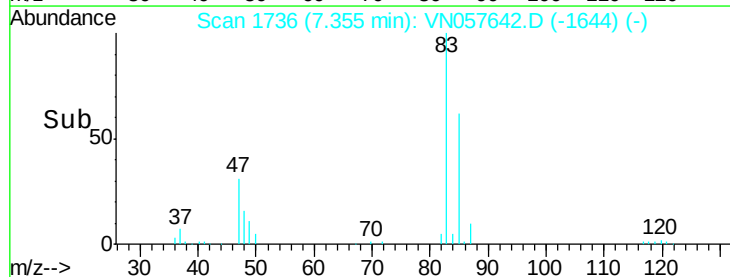
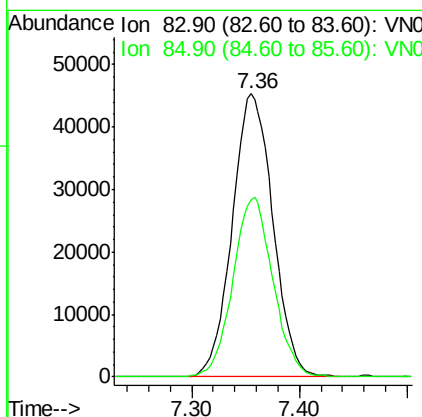
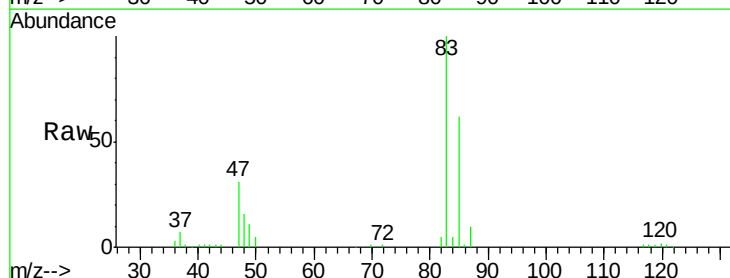
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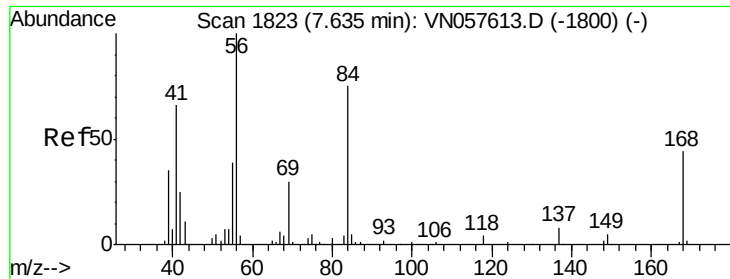
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#30
Chloroform
Concen: 20.739 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.1	53.2	79.8





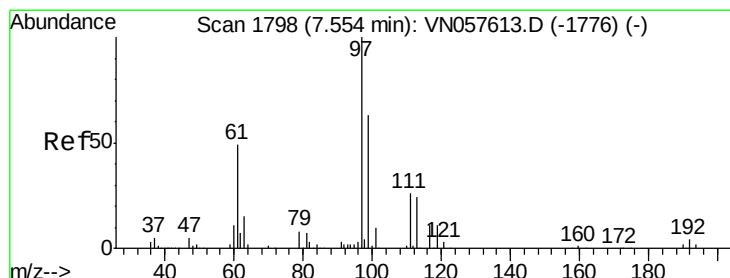
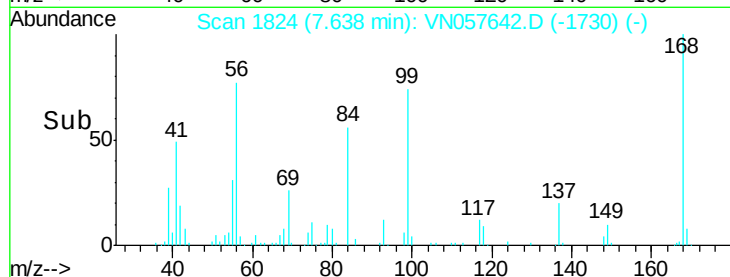
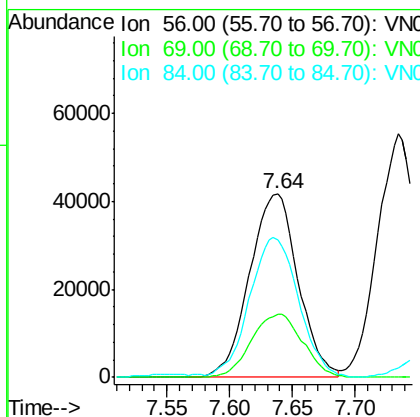
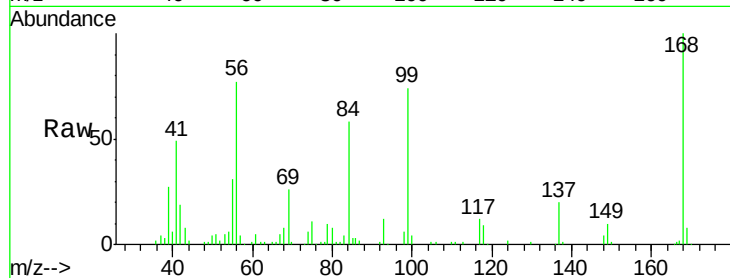
#31
Cyclohexane
Concen: 19.940 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampled :
VN0902MBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.3	24.4	36.6
84	73.7	59.9	89.9

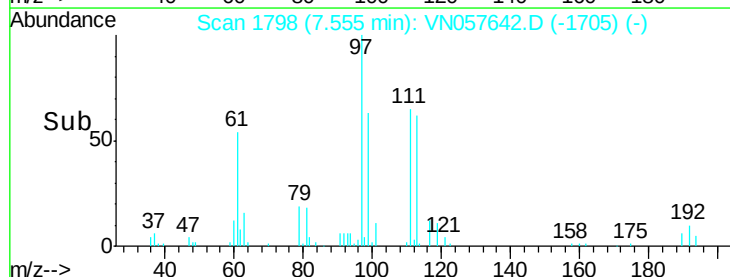
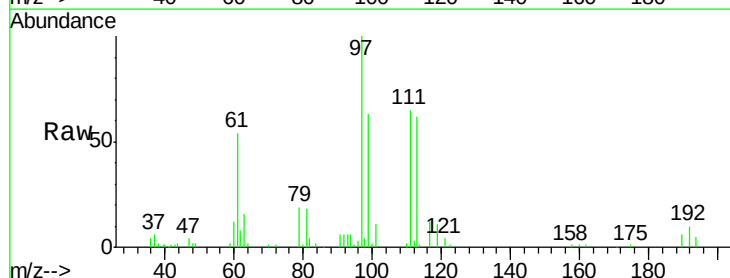
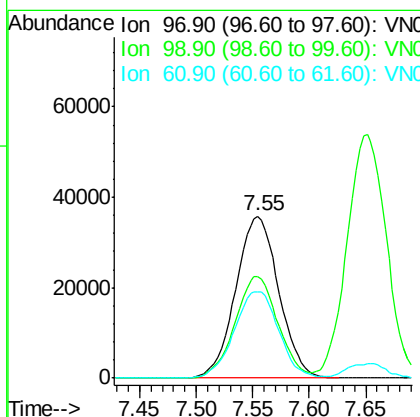
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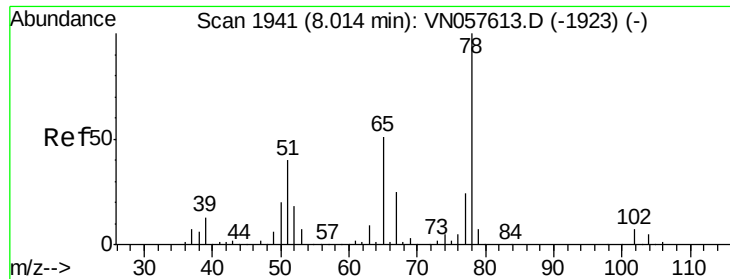
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9/3/2019 11:02:59 AM



#32
1,1,1-Trichloroethane
Concen: 20.177 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.6	75.8
61	55.4	41.1	61.7





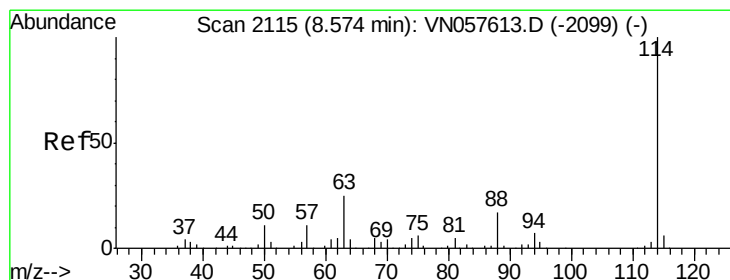
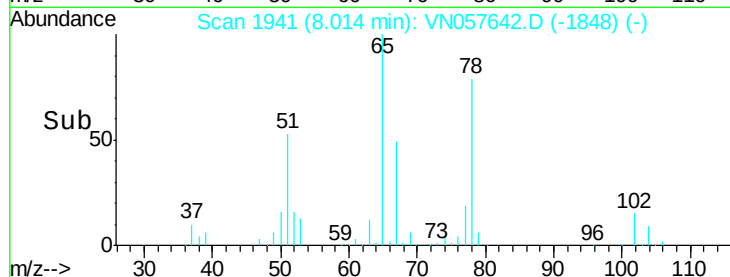
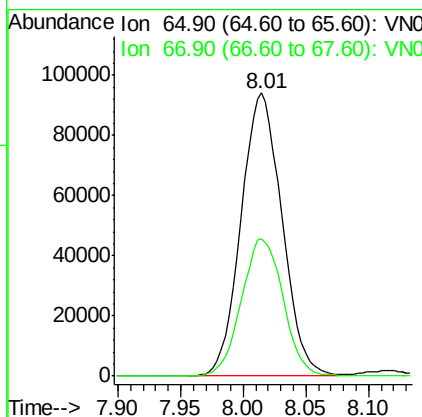
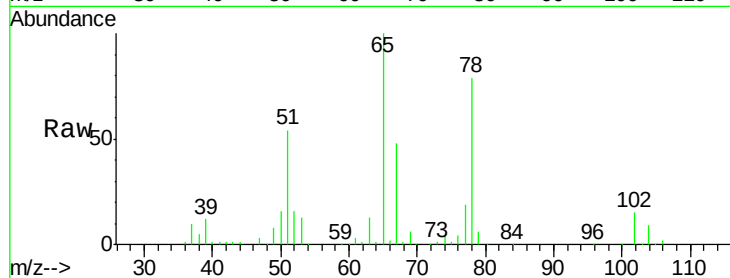
#33
 1,2-Dichloroethane-d4
 Concen: 50.566 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Instrument :
 MSVOA_N
 ClientSampled :
 VN0902MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	214251		
67	49.3	0.0	102.2	

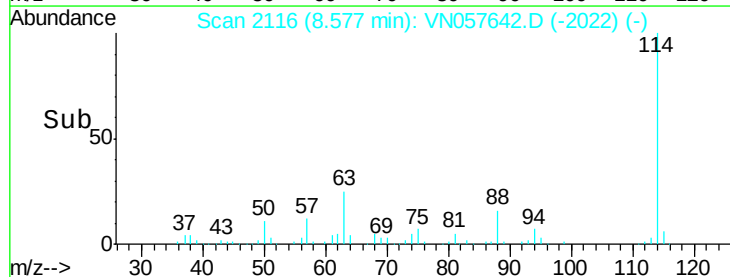
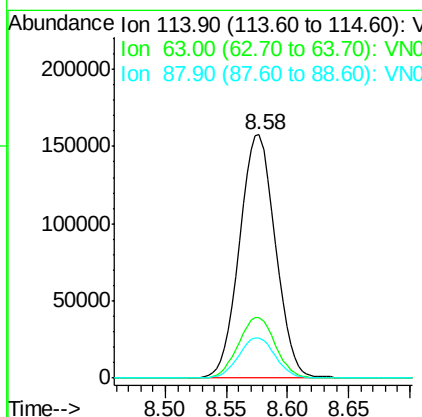
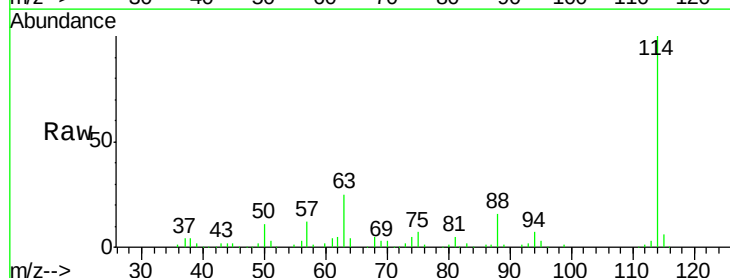
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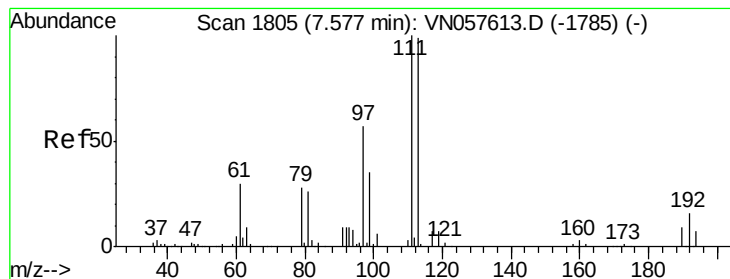
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	320904		
63	24.7	0.0	49.0	
88	16.4	0.0	33.0	





#35

Dibromofluoromethane

Concen: 48.270 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

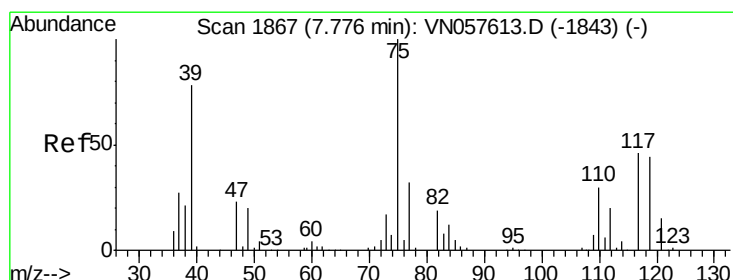
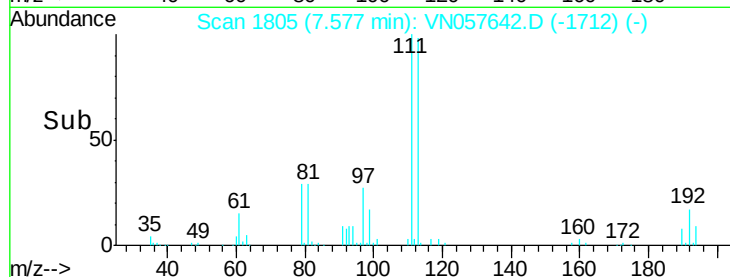
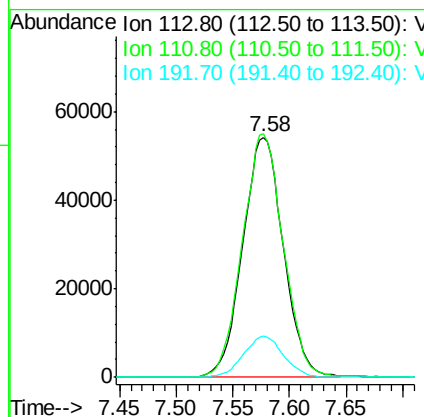
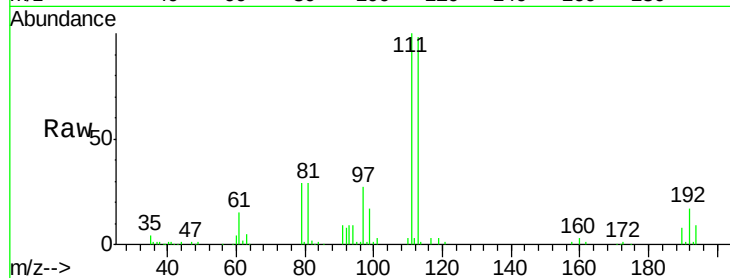
ClientSampled :

VN0902MBSD01

Tot Ion:	113	Resp:	135272
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.3	121.9
192	17.1	13.5	20.3

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#36

1,1-Dichloropropene

Concen: 19.810 ug/l

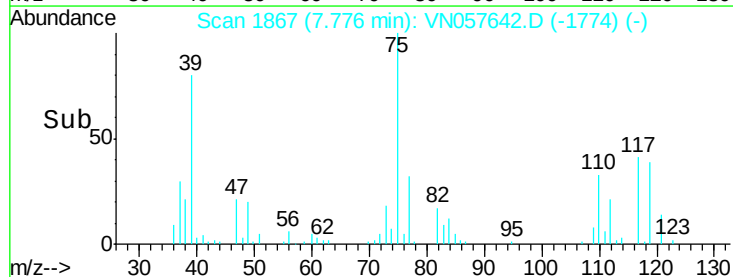
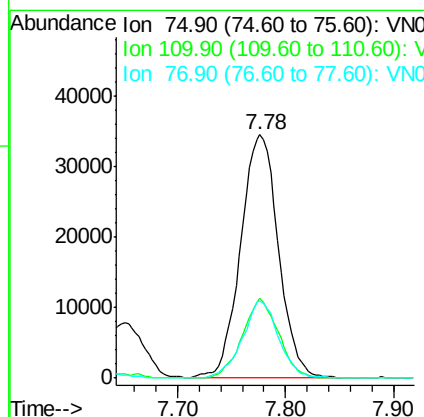
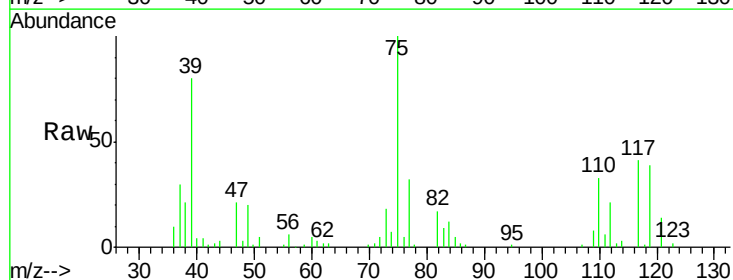
RT: 7.78 min Scan# 1867

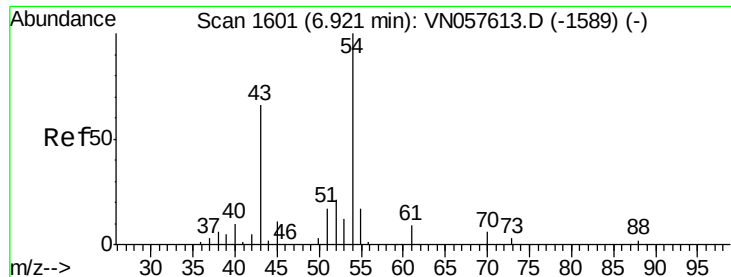
Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Tgt Ion:	75	Resp:	84281
Ion Ratio	Lower	Upper	
75	100		
110	31.1	15.6	46.8
77	30.2	24.9	37.3





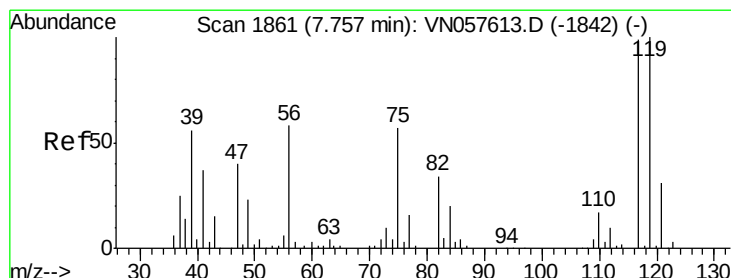
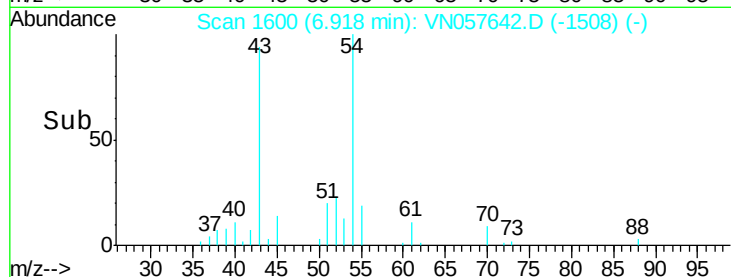
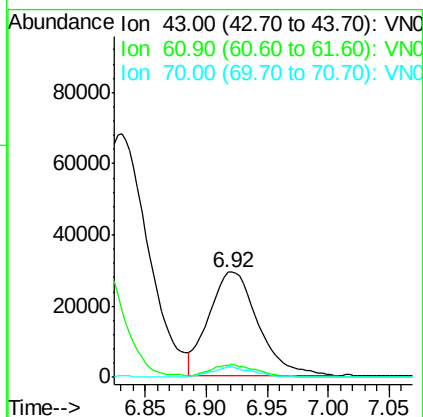
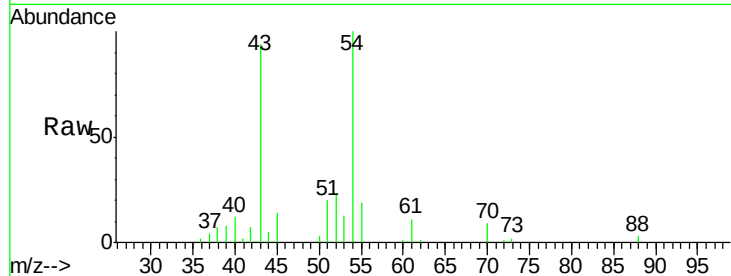
#37
Ethyl Acetate
Concen: 20.329 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampled :
VN0902MBSD01

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	11.8	10.1	15.1	
70	8.5	6.8	10.2	

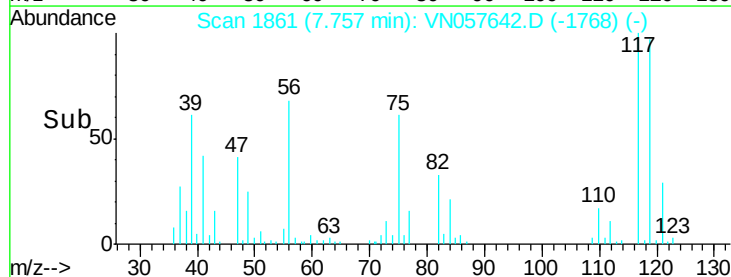
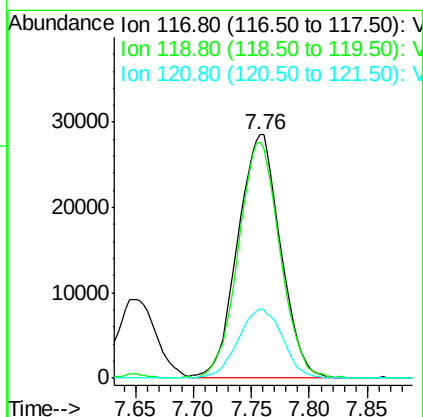
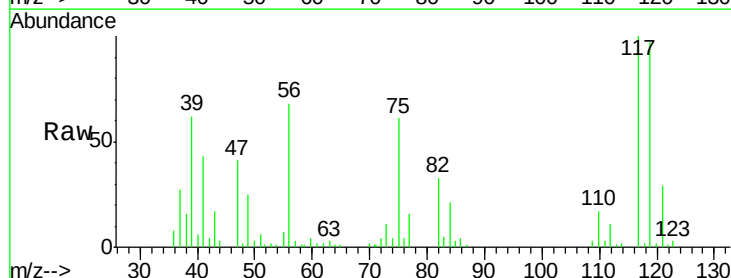
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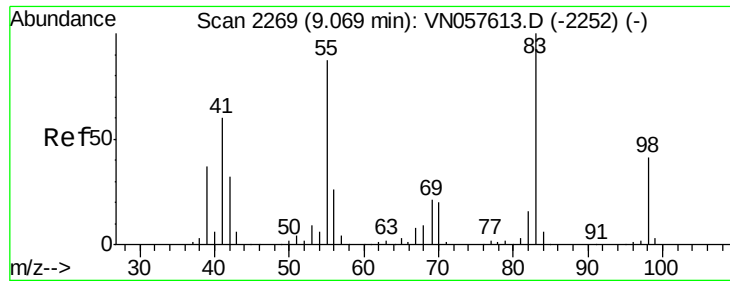
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9/3/2019 11:02:59 AM



#38
Carbon Tetrachloride
Concen: 19.225 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	96.5	80.6	120.8	
121	28.7	25.1	37.7	





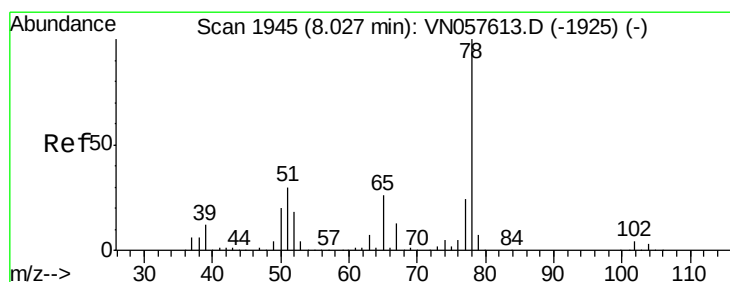
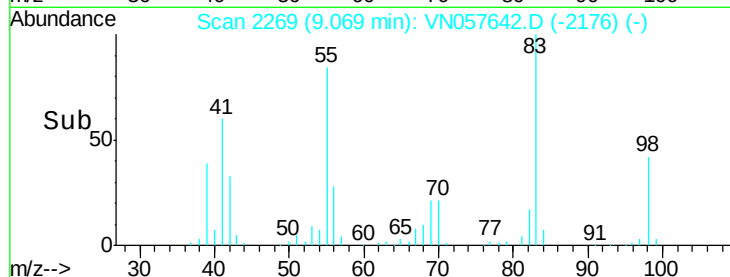
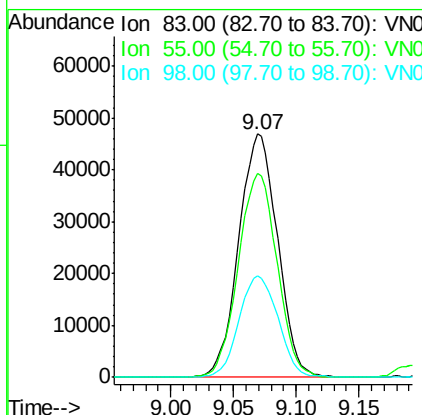
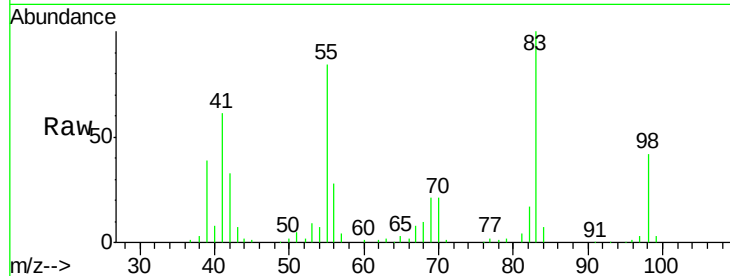
#39
Methylvlcyclohexane
Concen: 20.092 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

Tot Ion	83	Resp	100997
Ion Ratio	Lower	Upper	
83	100		
55	83.6	69.8	104.8
98	41.8	32.7	49.1

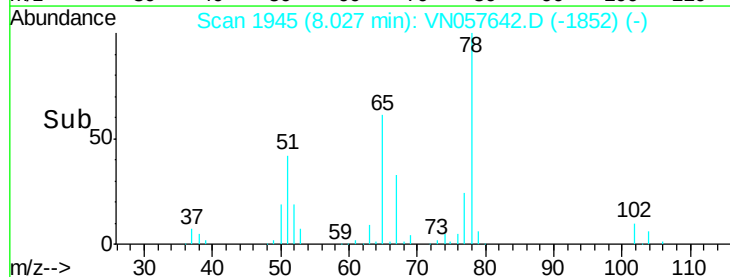
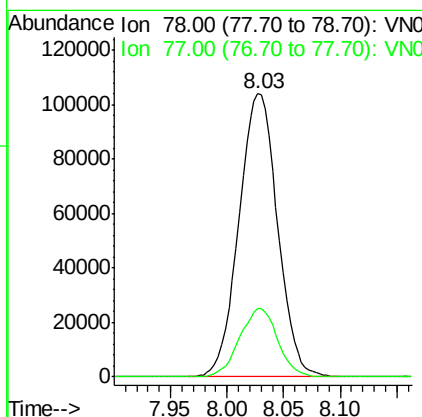
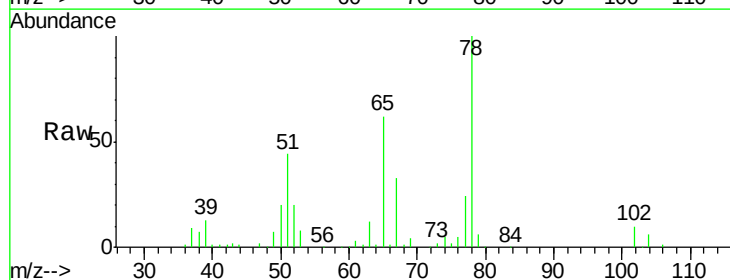
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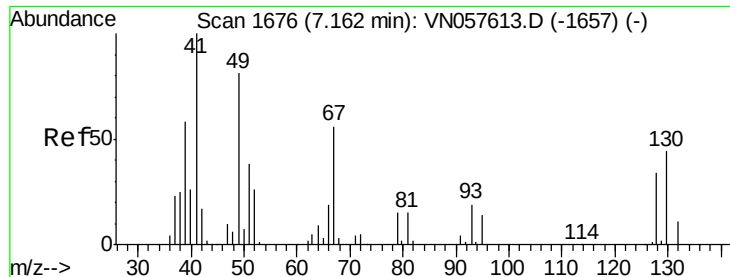
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#40
Benzene
Concen: 19.941 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion	78	Resp	246958
Ion Ratio	Lower	Upper	
78	100		
77	24.0	19.1	28.7





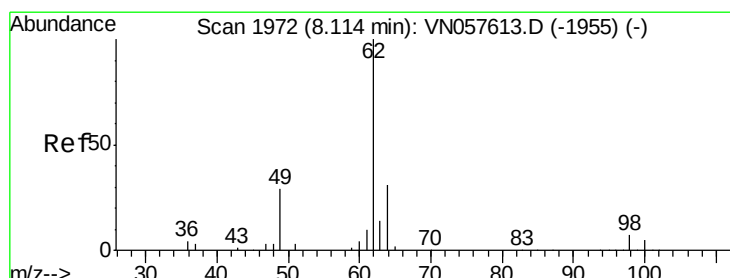
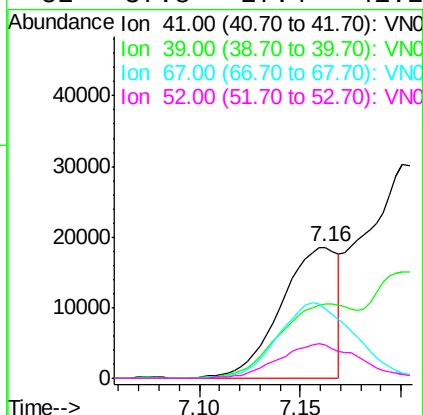
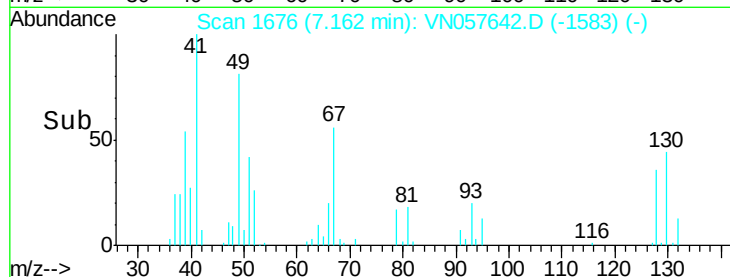
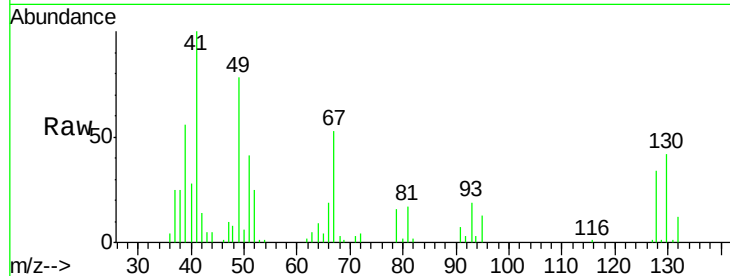
#41
Methacrylonitrile
Concen: 17.525 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

Tot Ion:	41	Resp:	36283
Ion	Ratio	Lower	Upper
41	100		
39	74.5	50.6	75.8
67	77.9	56.9	85.3
52	37.8	27.4	41.2

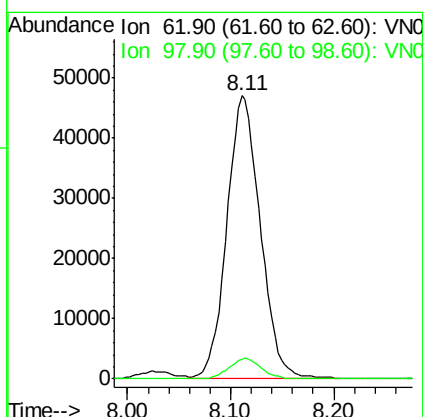
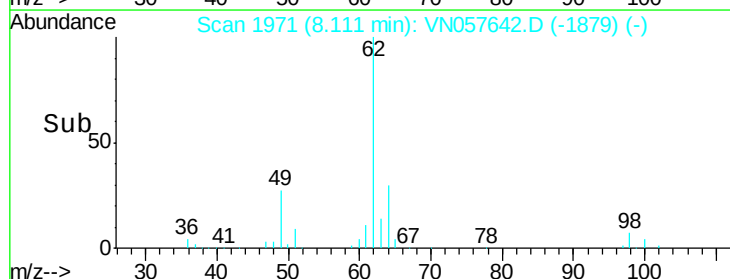
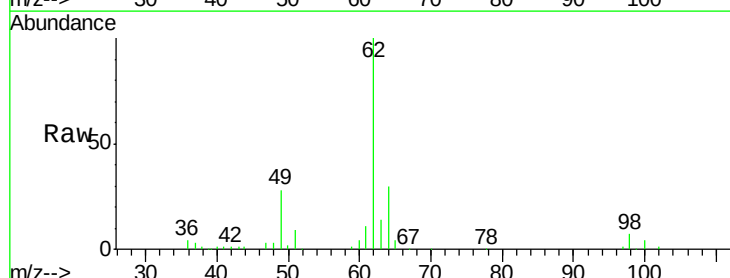
Manual Integrations
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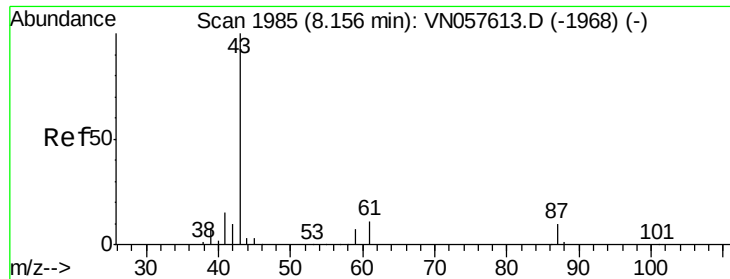
MMDadoda
9/3/2019 11:02:59 AM



#42
1,2-Dichloroethane
Concen: 21.178 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion:	62	Resp:	106530
Ion	Ratio	Lower	Upper
62	100		
98	6.9	0.0	14.0





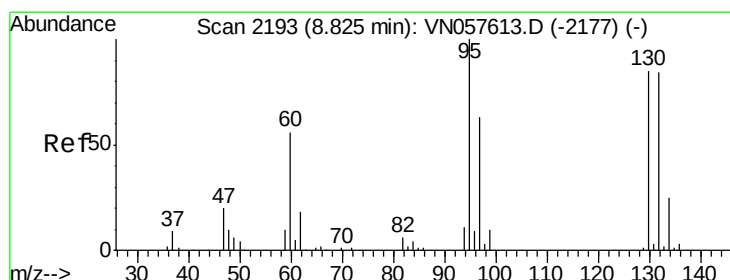
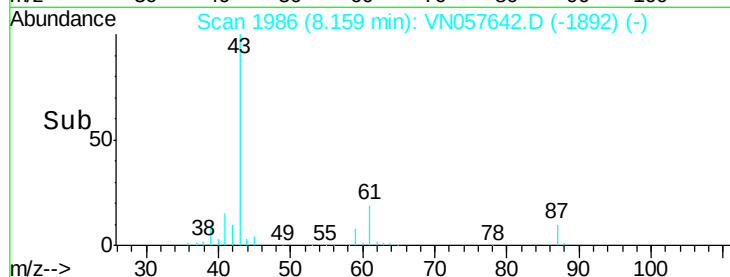
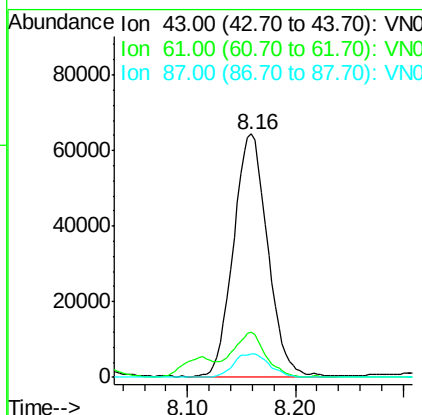
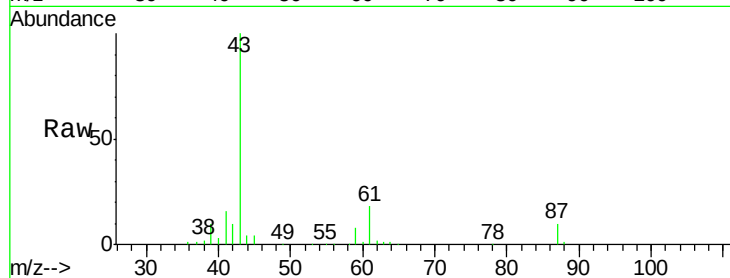
#43
Isopropyl Acetate
Concen: 19.413 ug/l
RT: 8.16 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.3	13.1	19.7
87	10.2	8.1	12.1

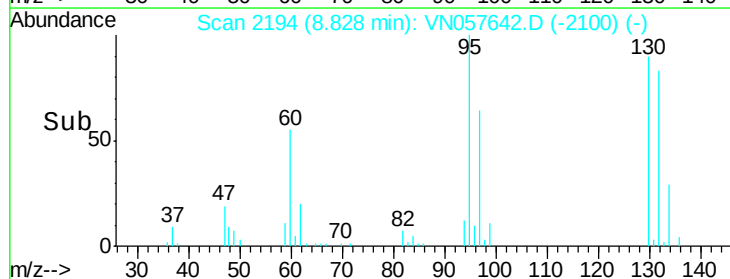
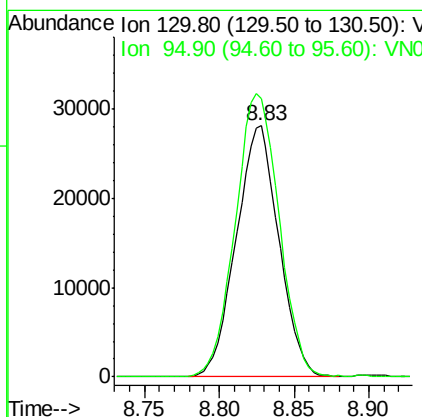
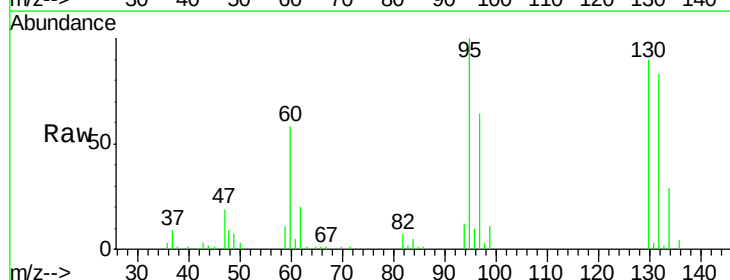
Manual Integrations
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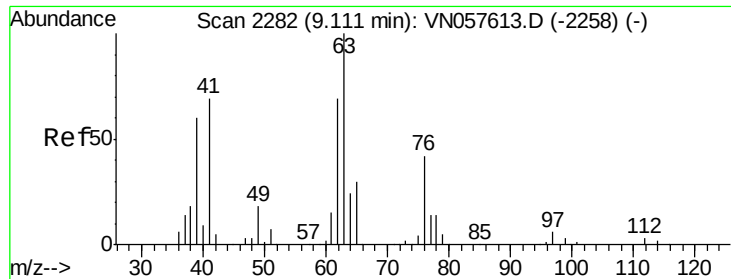
MMDadoda
9/3/2019 11:02:59 AM



#44
Trichloroethene
Concen: 19.881 ug/l
RT: 8.83 min Scan# 2194
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	110.8	0.0	234.4





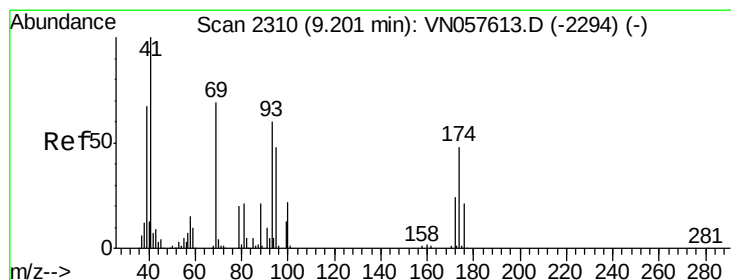
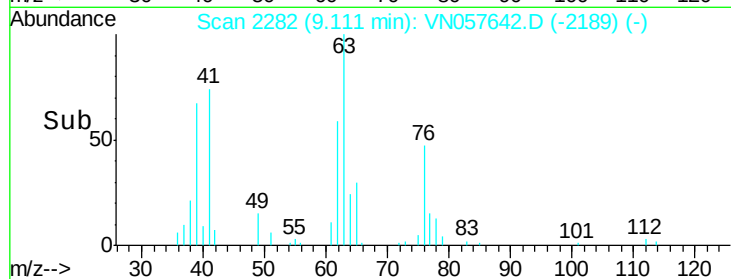
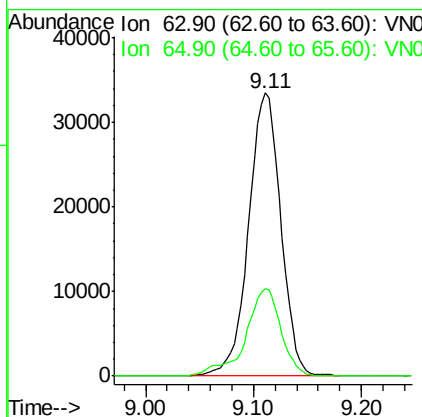
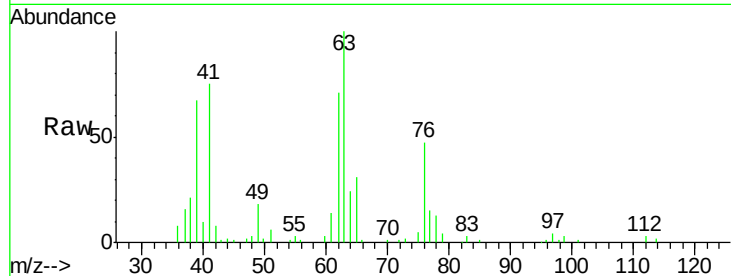
#45
 1,2-Dichloropropane
 Concen: 20.162 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Instrument :
 MSVOA_N
 ClientSampled :
 VN0902MBSD01

Tot Ion: 63 Resp: 69551
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.4 36.6

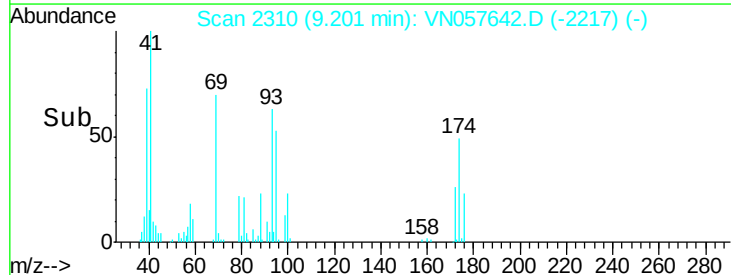
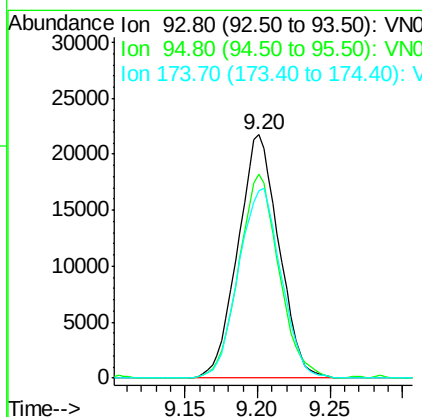
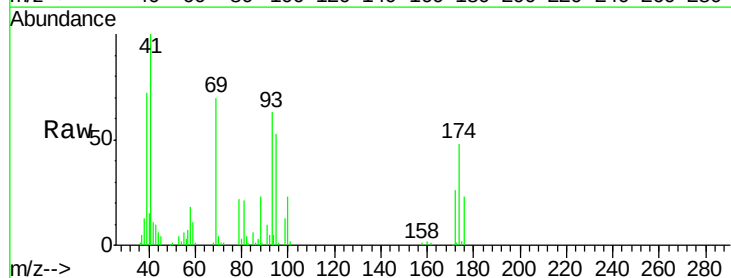
Manual Integrations
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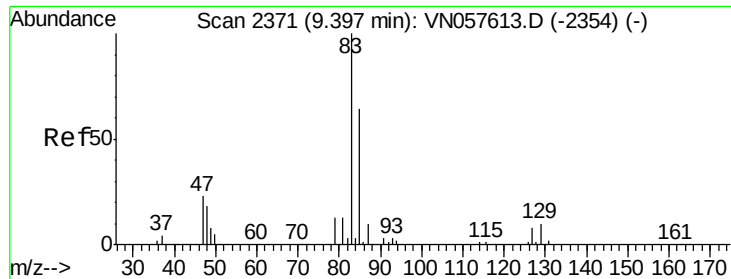
MMDadoda
 9/3/2019 11:02:59 AM



#46
 Dibromomethane
 Concen: 20.002 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion: 93 Resp: 42722
 Ion Ratio Lower Upper
 93 100
 95 82.3 65.8 98.6
 174 80.8 64.2 96.2





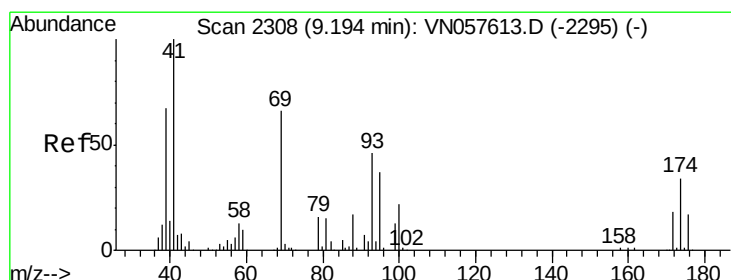
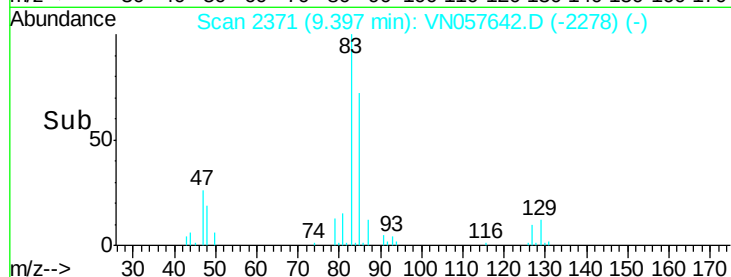
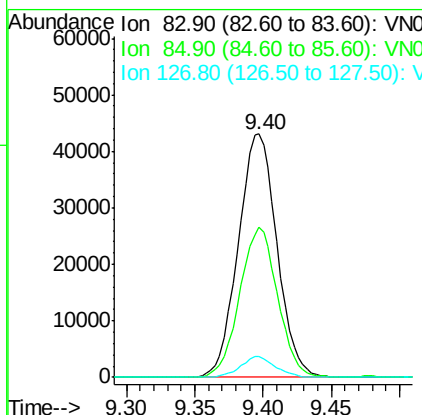
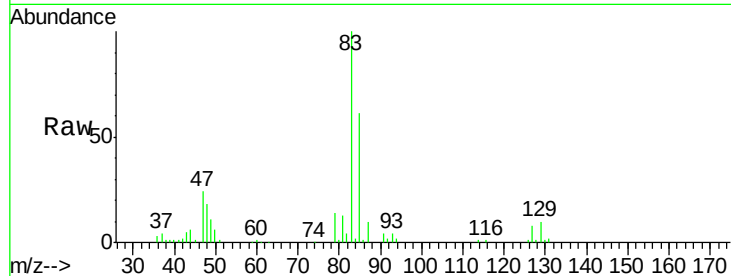
#47
Bromodichloromethane
Concen: 19.548 ug/l
RT: 9.40 min Scan# 2371
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBS01

Tot Ion	83	Resp	84827
Ion Ratio	100	Lower	Upper
83	100		
85	61.4	51.4	77.0
127	8.4	6.1	9.1

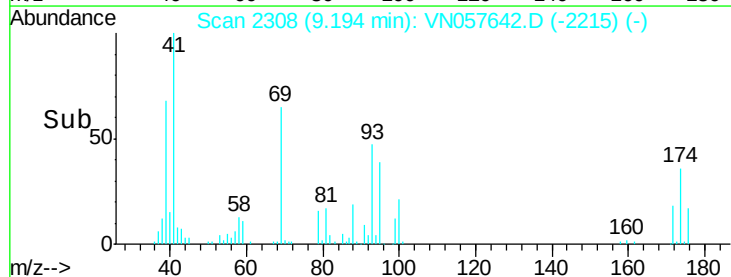
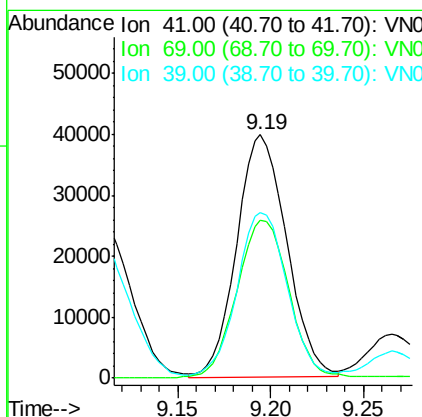
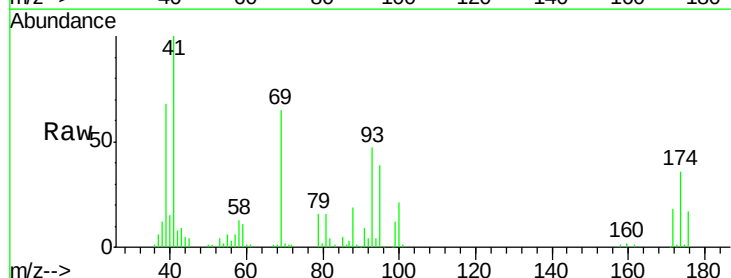
Manual Integrations
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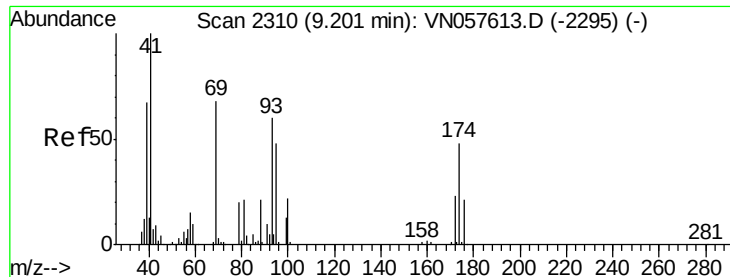
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9/3/2019 11:02:59 AM



#48
Methyl methacrylate
Concen: 20.003 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion	41	Resp	74462
Ion Ratio	100	Lower	Upper
41	100		
69	68.1	55.1	82.7
39	68.2	55.4	83.2





#49

1,4-Dioxane

Concen: 393.884 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

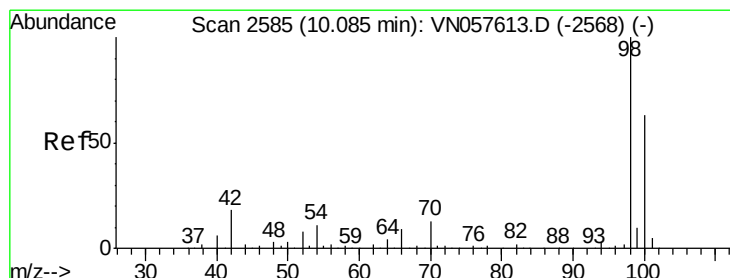
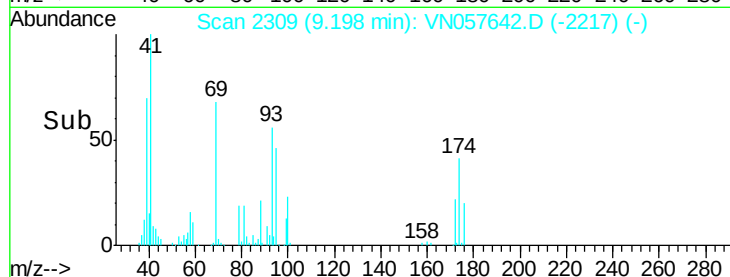
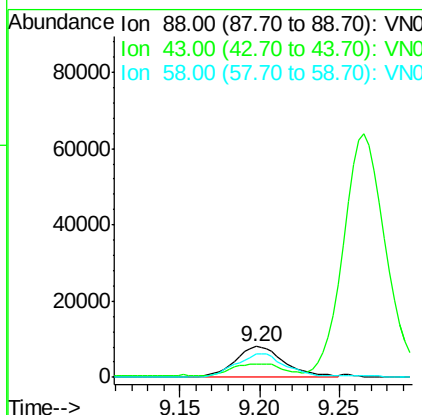
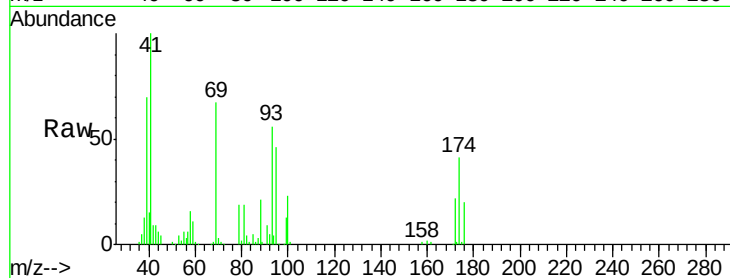
ClientSampleId :

VN0902MBSD01

Tot Ion:	88	Resp:	17170
Ion	Ratio	Lower	Upper
88	100		
43	40.9	35.0	52.4
58	77.2	61.6	92.4

Manual Integrations
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#50

Toluene-d8

Concen: 49.340 ug/l

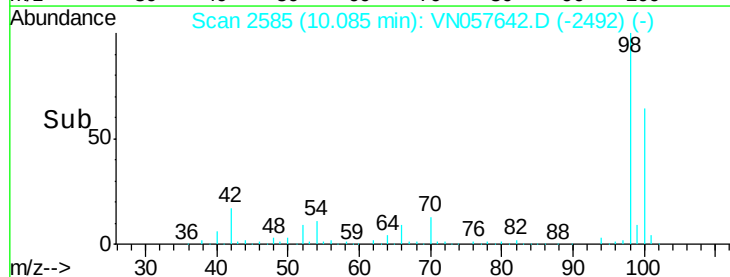
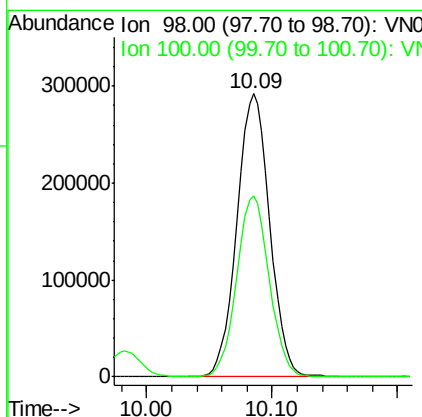
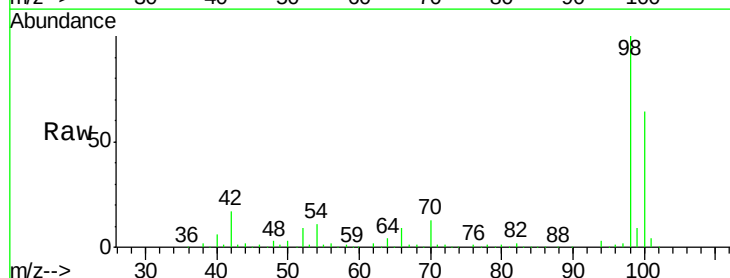
RT: 10.09 min Scan# 2585

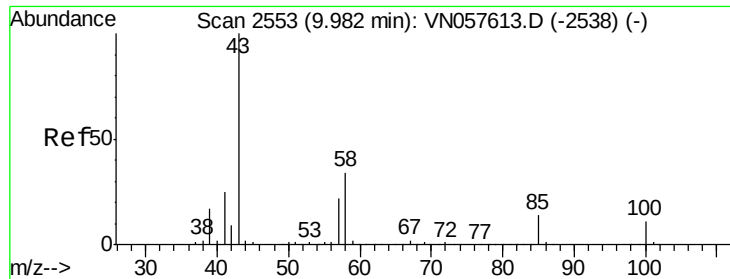
Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Tgt Ion:	98	Resp:	530854
Ion	Ratio	Lower	Upper
98	100		
100	63.2	49.8	74.8





#51

4-Methyl-2-Pentanone

Concen: 104.155 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

VN0902MBSD01

Tot Ion: 43 Resp: 435264

Ion Ratio Lower Upper

43 100

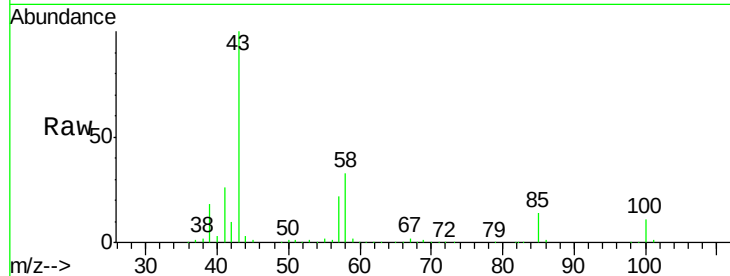
58 33.3 26.9 40.3

Manual Integrations

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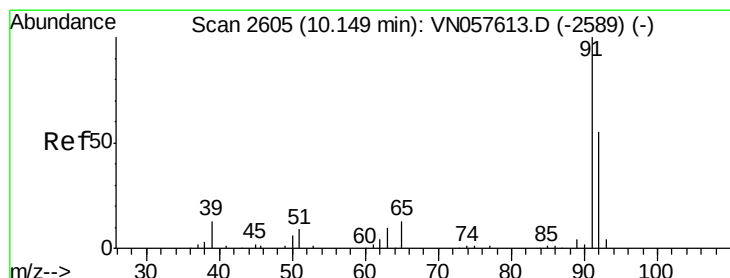
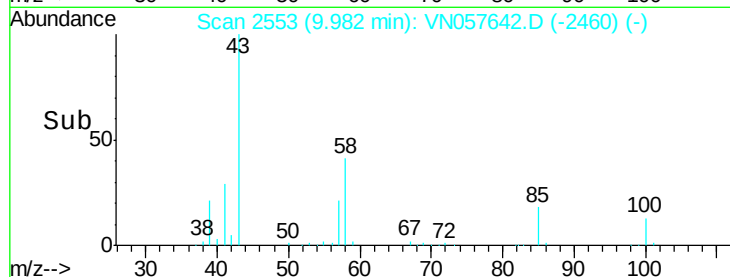
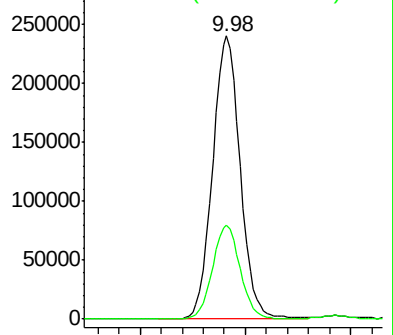
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9/3/2019 11:02:59 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.252 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057642.D

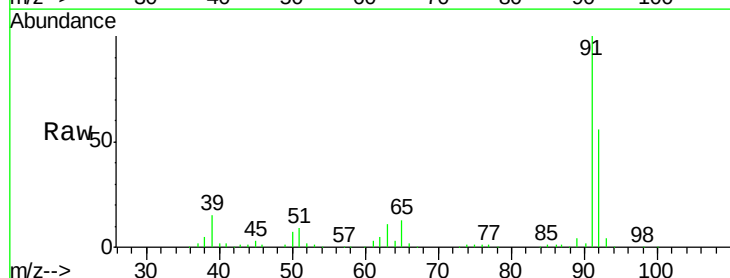
Acq: 1 Sep 2019 14:21

Tgt Ion: 92 Resp: 148240

Ion Ratio Lower Upper

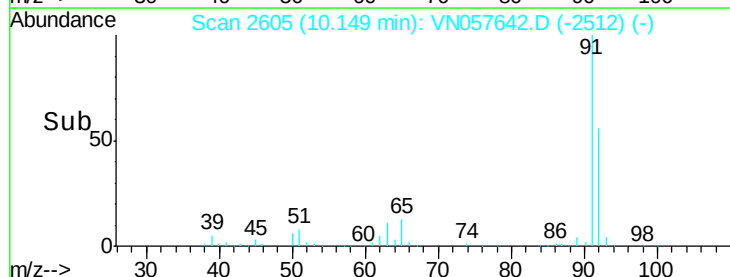
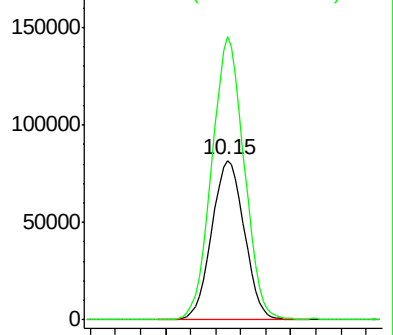
92 100

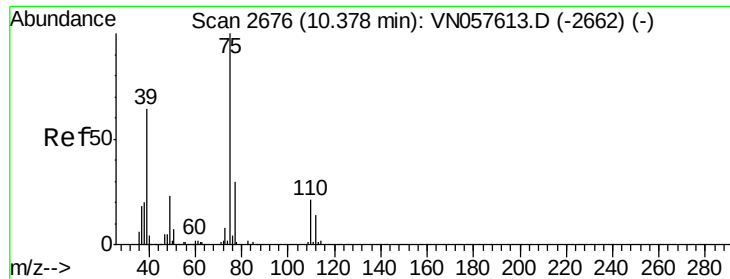
91 175.9 143.8 215.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





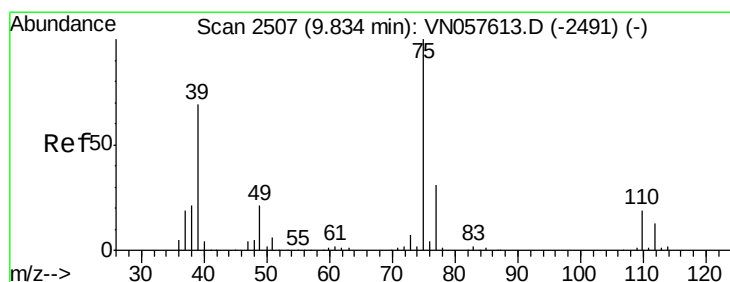
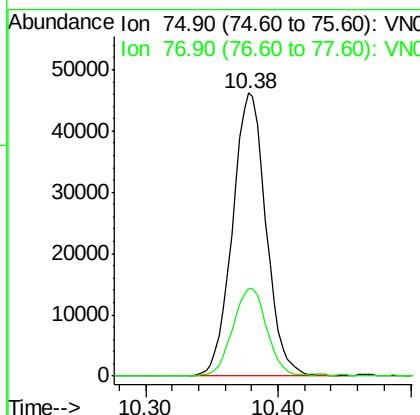
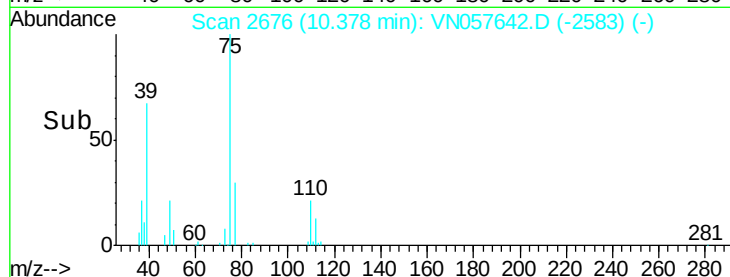
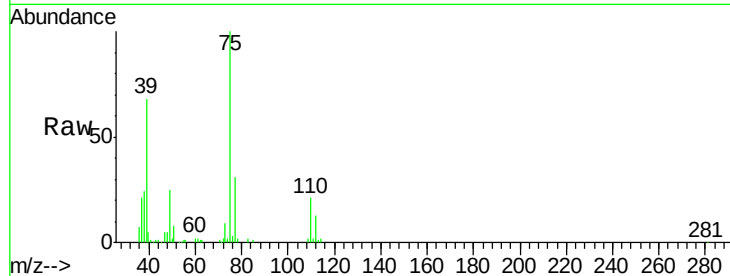
#53
t-1,3-Dichloropropene
Concen: 18.862 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampled :
VN0902MBSD01

Tot Ion: 75 Resp: 81051
Ion Ratio Lower Upper
75 100
77 30.9 24.1 36.1

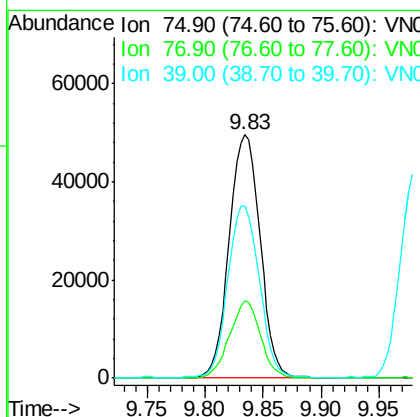
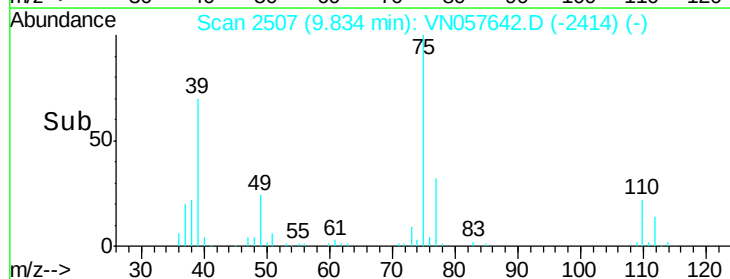
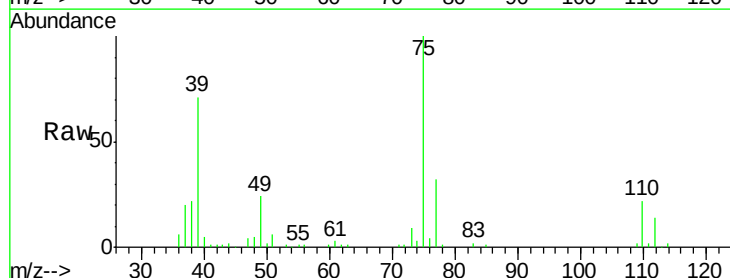
Manual Integrations
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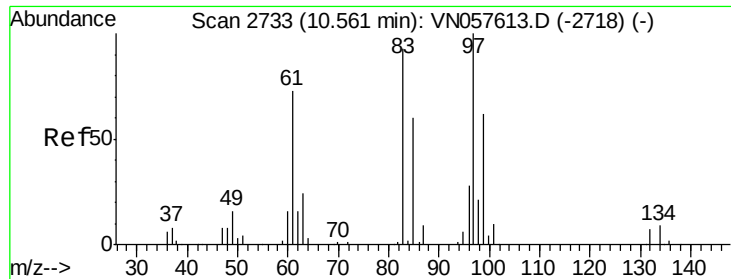
MMDadoda
9/3/2019 11:02:59 AM



#54
cis-1,3-Dichloropropene
Concen: 18.525 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion: 75 Resp: 92338
Ion Ratio Lower Upper
75 100
77 31.8 24.8 37.2
39 70.7 55.0 82.4





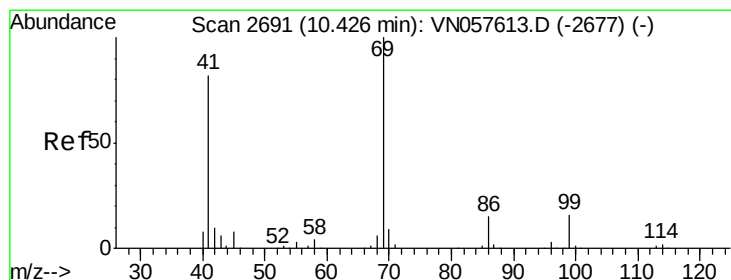
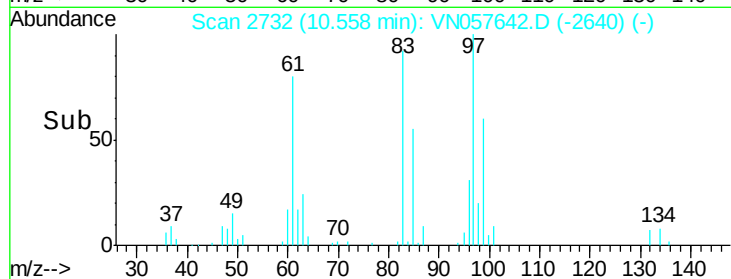
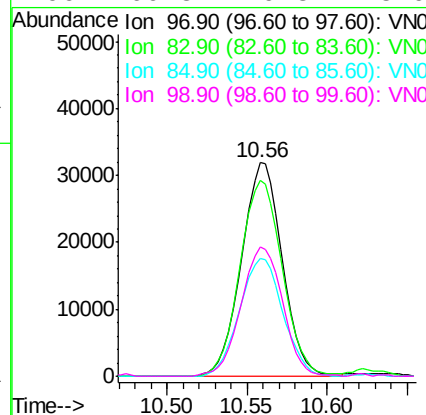
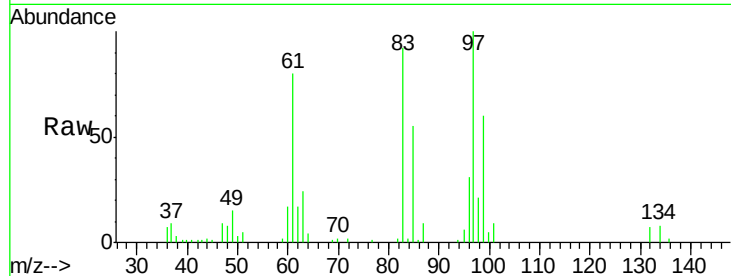
#55
 1,1,2-Trichloroethane
 Concen: 19.979 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

Tot Ion:	97	Resp:	55485
Ion	Ratio	Lower	Upper
97	100		
83	91.9	74.2	111.2
85	55.1	47.8	71.8
99	60.3	49.3	73.9

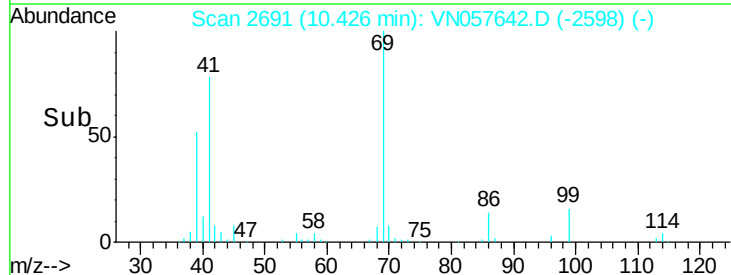
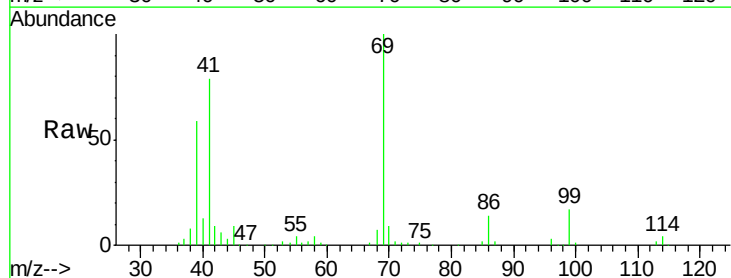
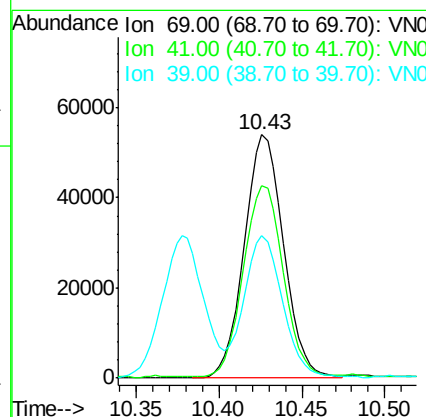
Manual Integrations
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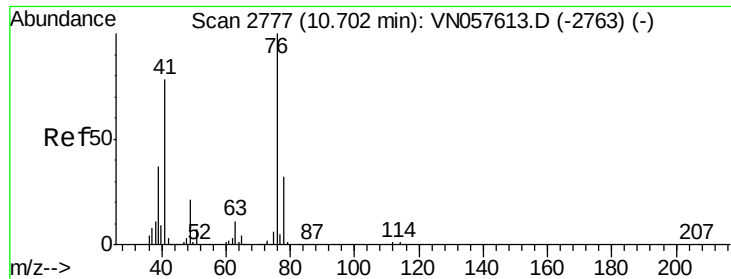
MMDadoda
 9/3/2019 11:02:59 AM



#56
 Ethyl methacrylate
 Concen: 19.326 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion:	69	Resp:	89566
Ion	Ratio	Lower	Upper
69	100		
41	79.4	65.8	98.6
39	56.8	43.8	65.8





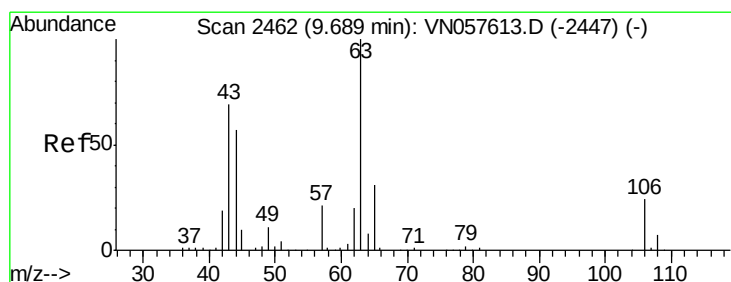
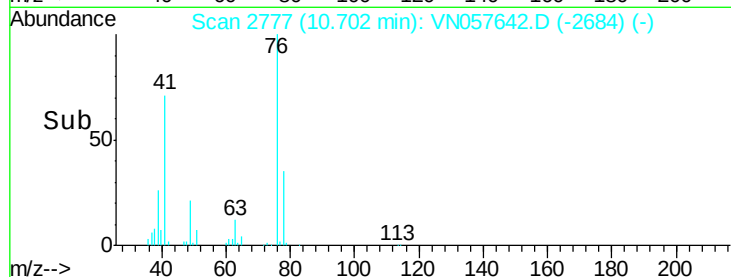
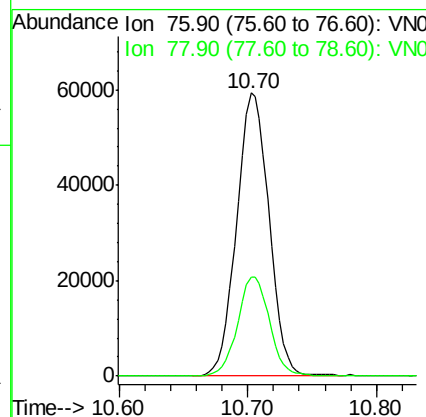
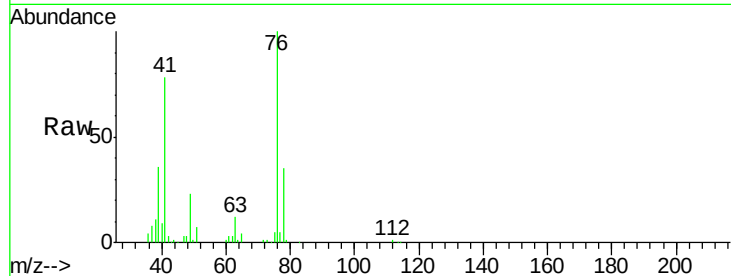
#57
 1,3-Dichloropropane
 Concen: 20.368 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

Tot Ion: 76 Resp: 103780
 Ion Ratio Lower Upper
 76 100
 78 34.4 25.4 38.2

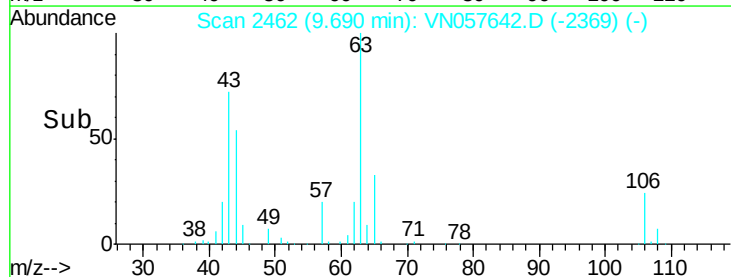
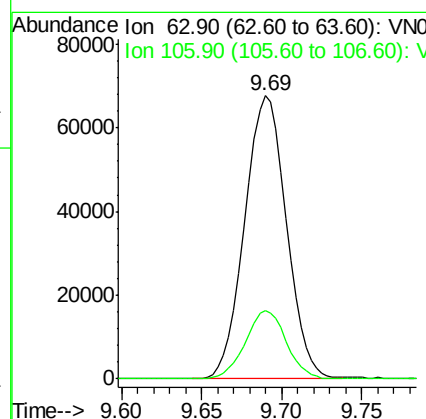
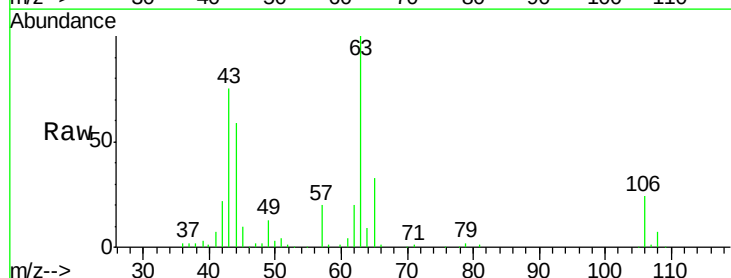
Manual Integrations
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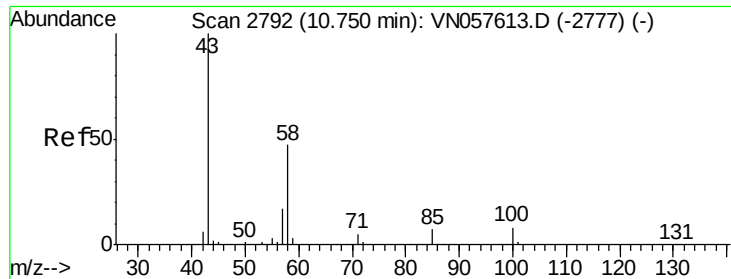
MMDadoda
 9/3/2019 11:02:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 88.942 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion: 63 Resp: 120596
 Ion Ratio Lower Upper
 63 100
 106 23.6 18.3 27.5





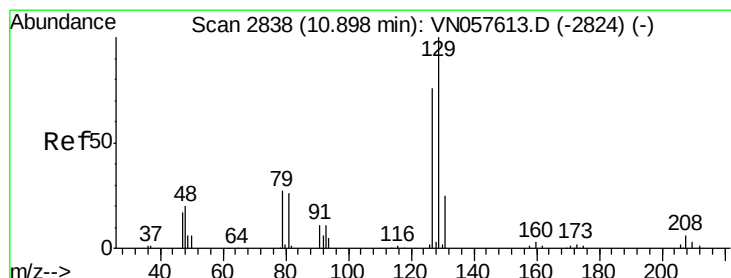
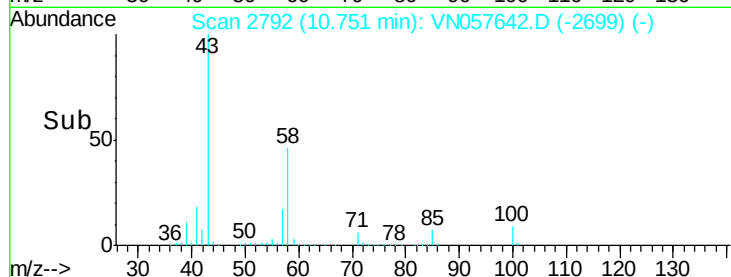
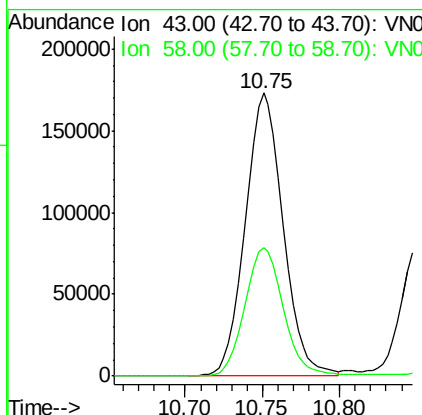
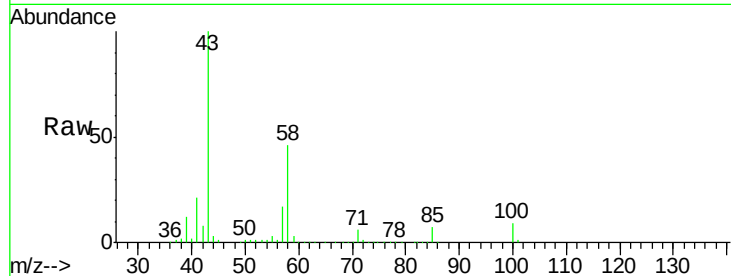
#59
2-Hexanone
Concen: 95.830 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampled :
VN0902MBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.4	23.5	70.5

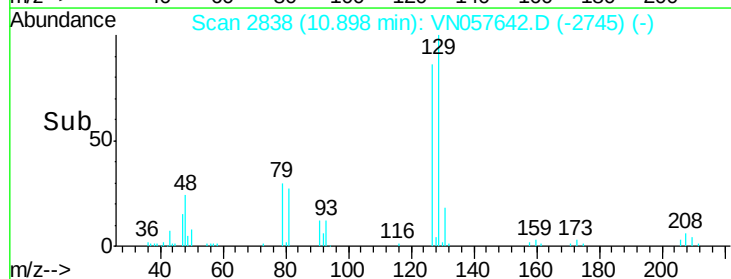
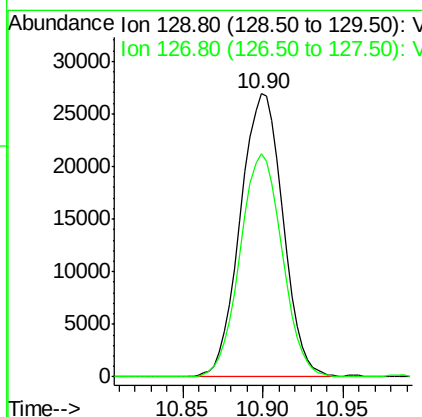
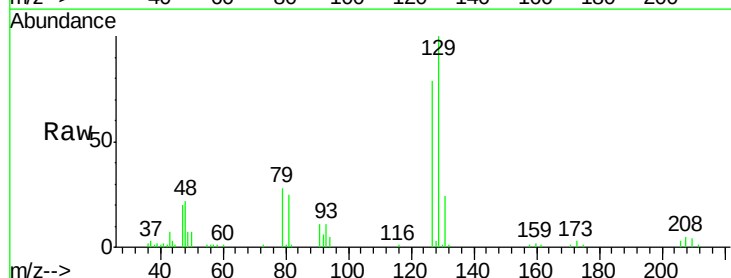
Manual Integrations
APPROVED

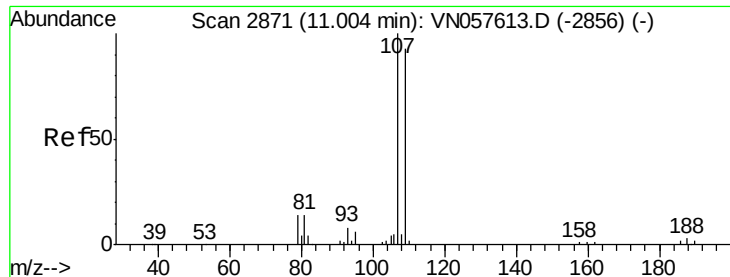
MMDadoda
9/3/2019 11:02:59 AM



#60
Dibromochloromethane
Concen: 18.528 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.3	114.8





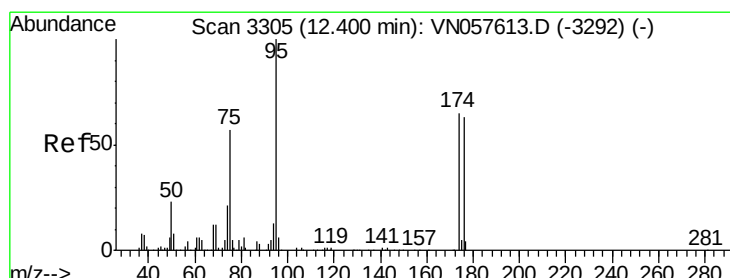
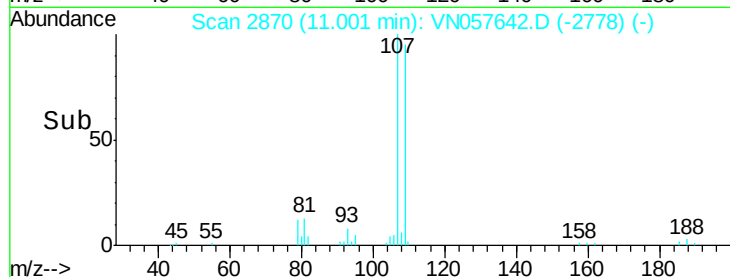
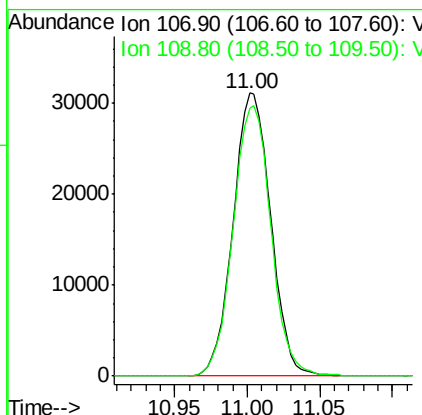
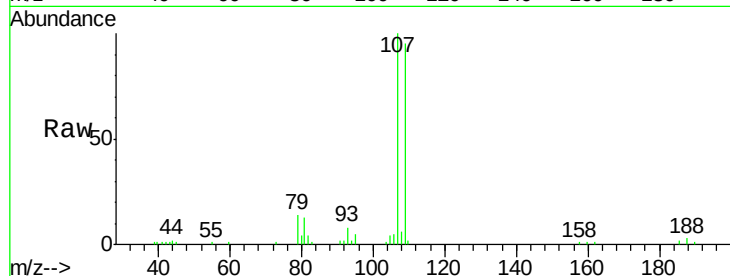
#61
 1,2-Dibromoethane
 Concen: 20.038 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	75.0	112.4

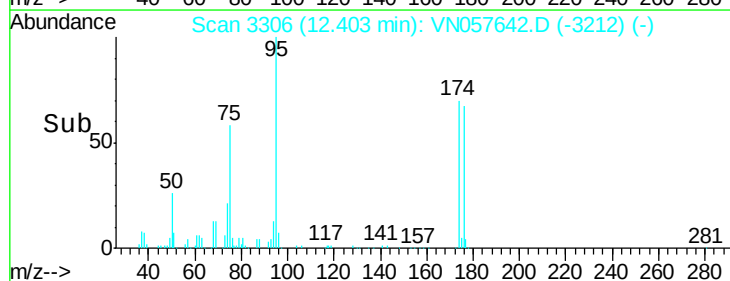
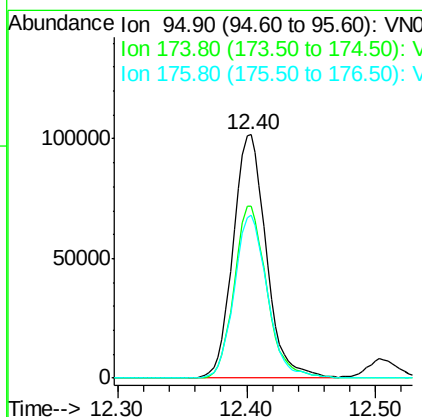
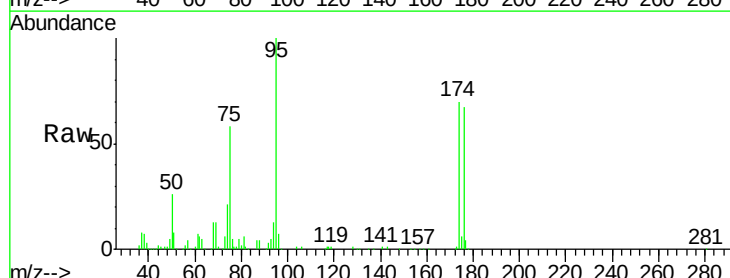
Manual Integrations
 APPROVED

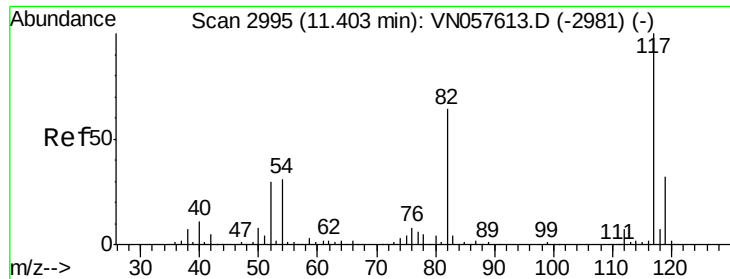
MMDadoda
 9/3/2019 11:02:59 AM



#62
 4-Bromofluorobenzene
 Concen: 44.467 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.3	0.0	134.8
176	67.0	0.0	131.6





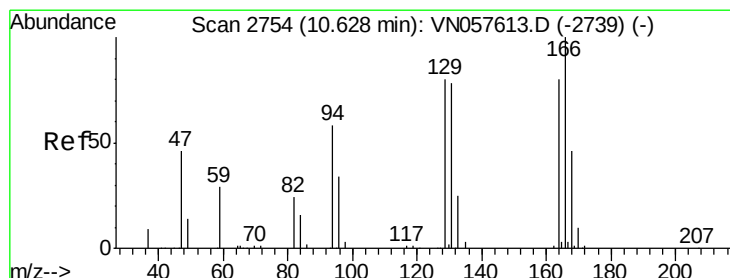
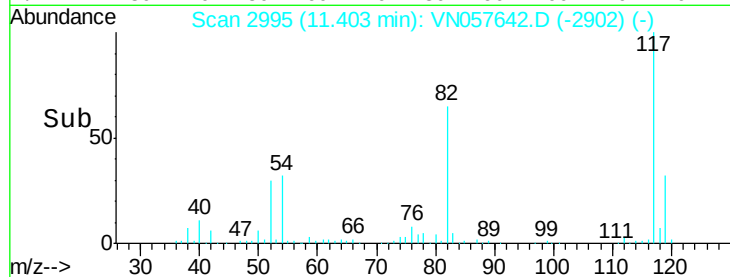
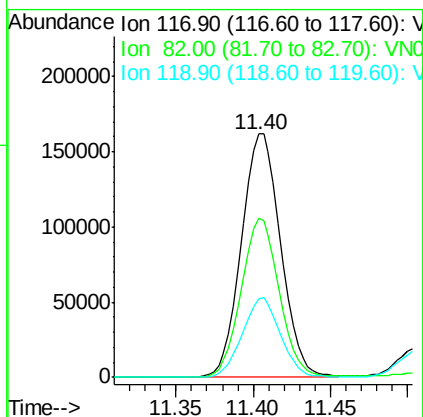
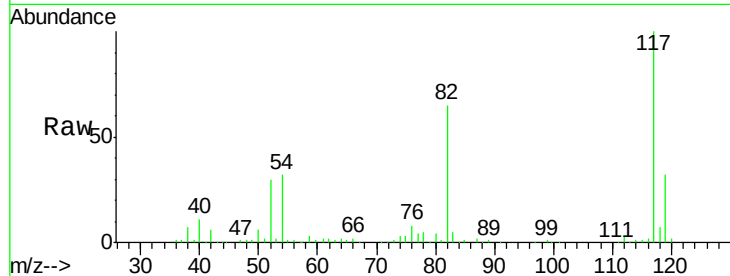
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	286520		
82	65.3	51.6	77.4	
119	32.3	25.8	38.6	

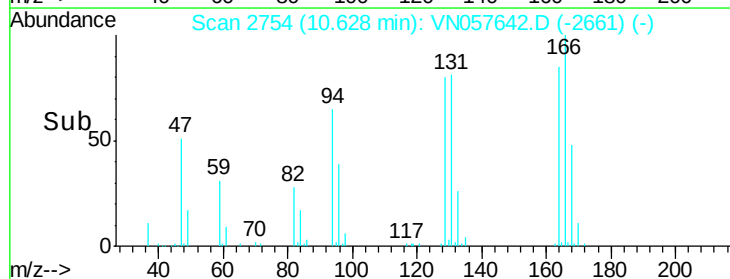
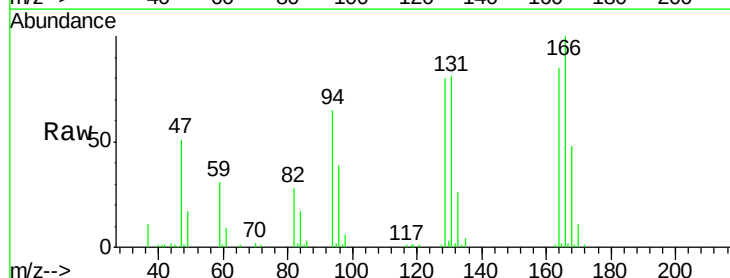
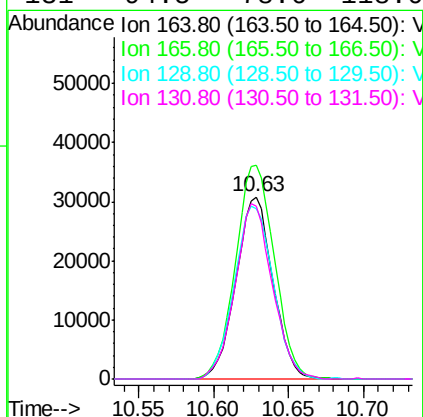
Manual Integrations
APPROVED

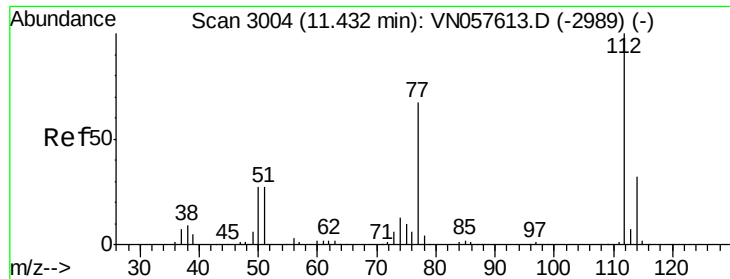
MMDadoda
9/3/2019 11:02:59 AM



#64
Tetrachloroethene
Concen: 21.366 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	53007		
166	117.2	100.6	151.0	
129	93.8	80.4	120.6	
131	94.5	78.6	118.0	





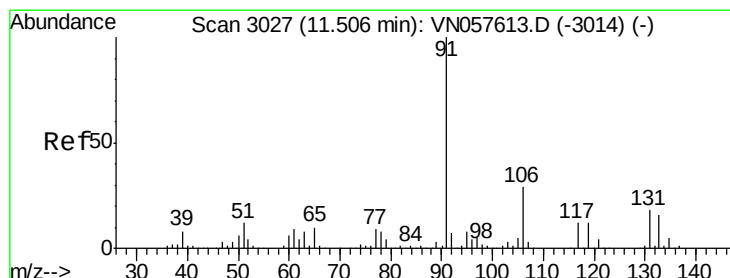
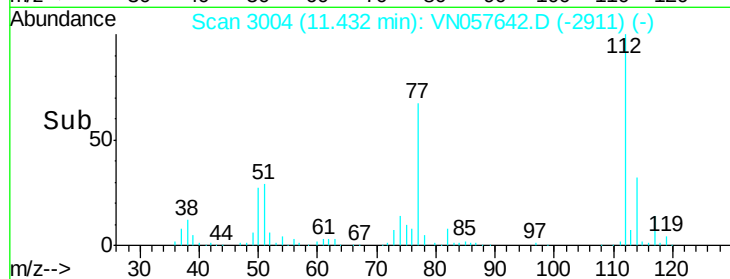
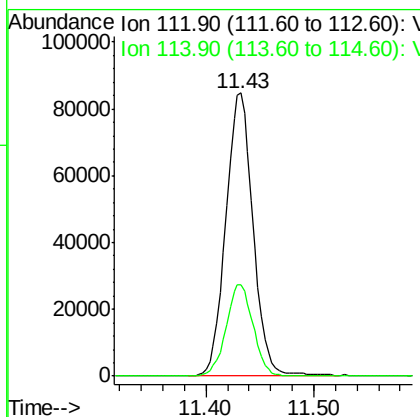
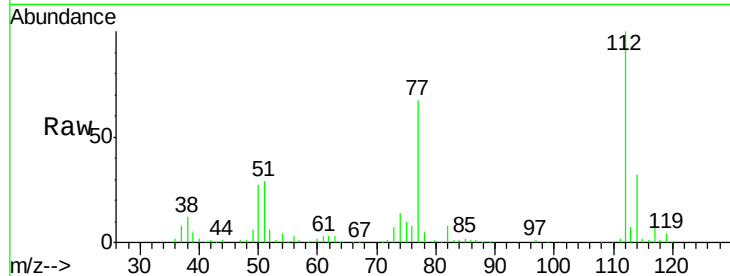
#65
Chlorobenzene
Concen: 20.824 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampled :
VN0902MBSD01

Tot Ion:112 Resp: 149511
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9

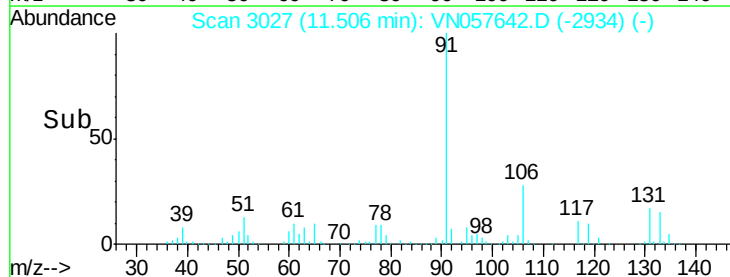
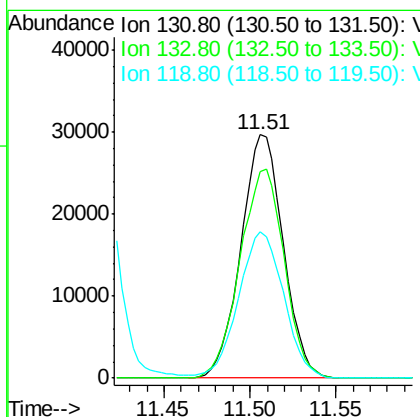
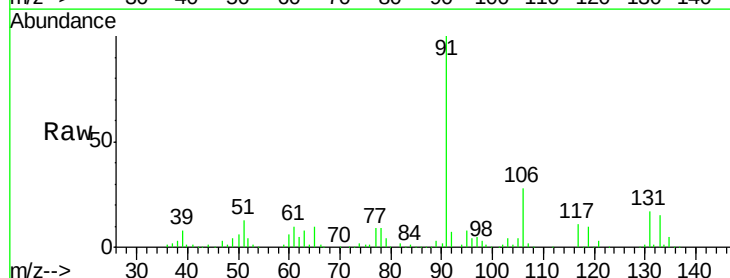
Manual Integrations
APPROVED

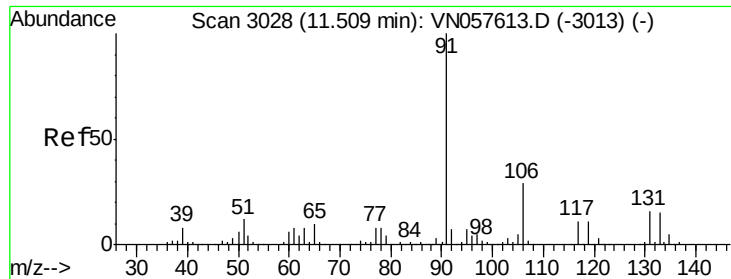
MMDadoda
9/3/2019 11:02:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.198 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion:131 Resp: 50575
Ion Ratio Lower Upper
131 100
133 90.0 47.8 143.4
119 64.3 33.9 101.6





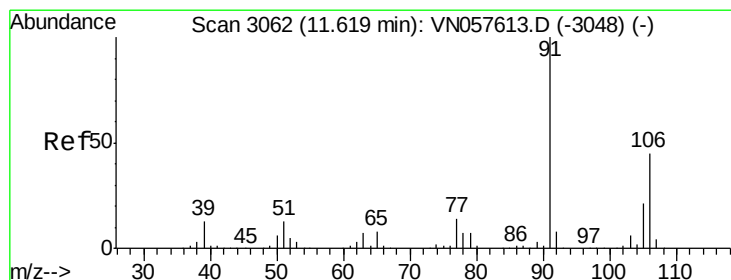
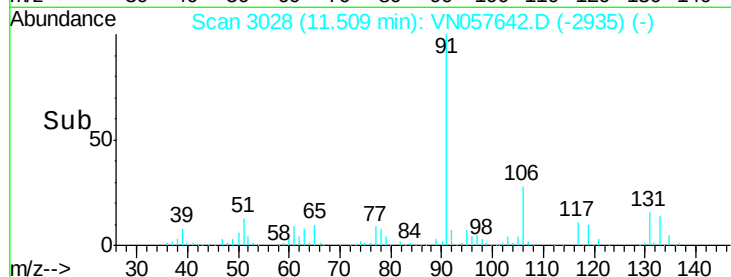
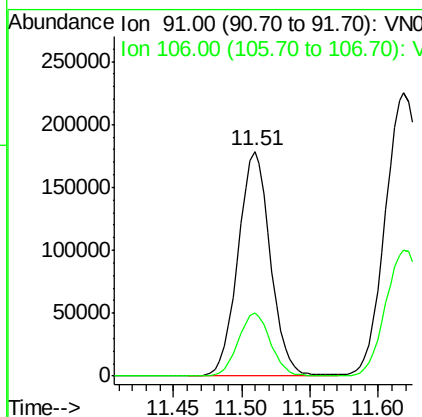
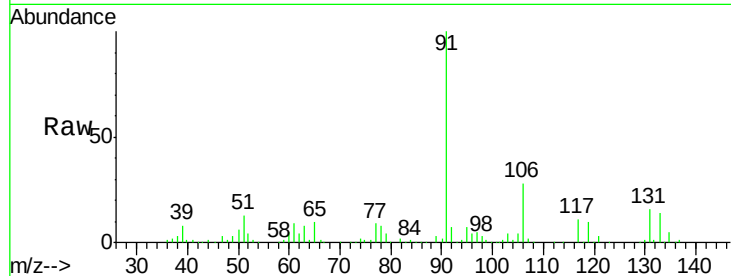
#67
Ethyl Benzene
Concen: 21.102 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampled :
VN0902MBSD01

Tot Ion: 91 Resp: 294375
Ion Ratio Lower Upper
91 100
106 28.0 22.9 34.3

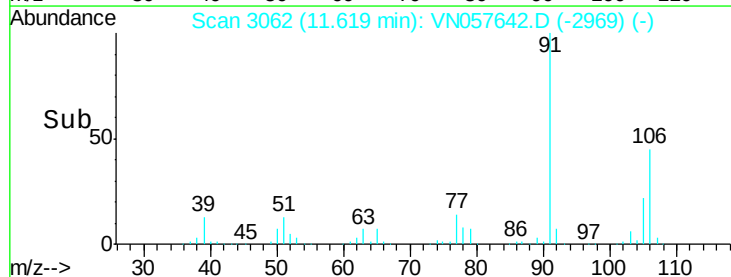
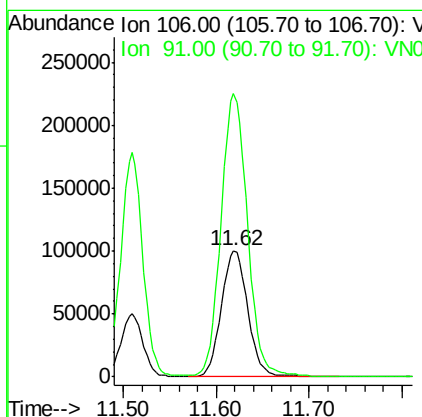
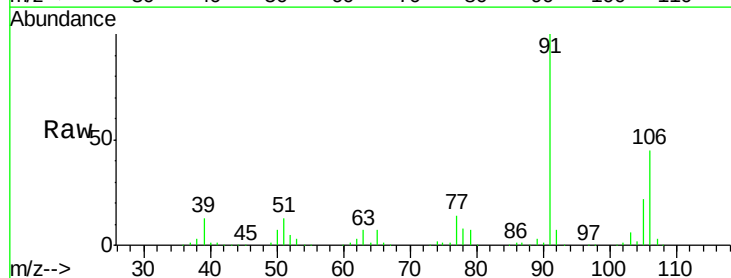
Manual Integrations
APPROVED

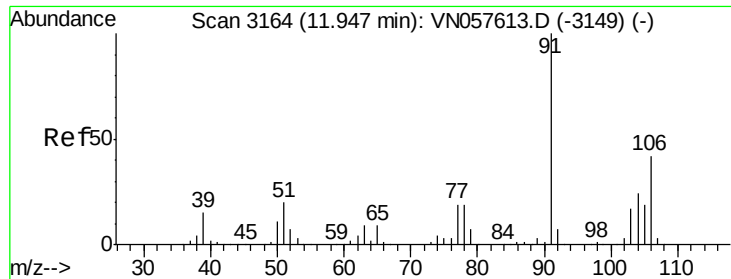
MMDadoda
9/3/2019 11:02:59 AM



#68
m/p-Xylenes
Concen: 40.485 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion: 106 Resp: 198963
Ion Ratio Lower Upper
106 100
91 223.3 176.2 264.2





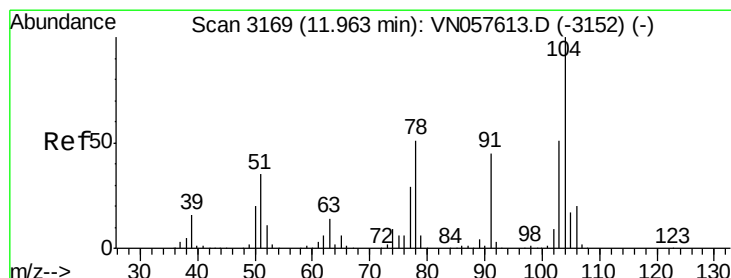
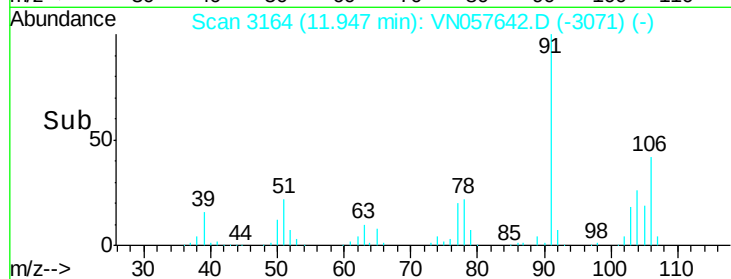
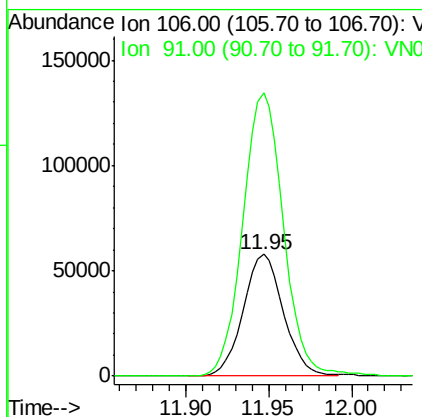
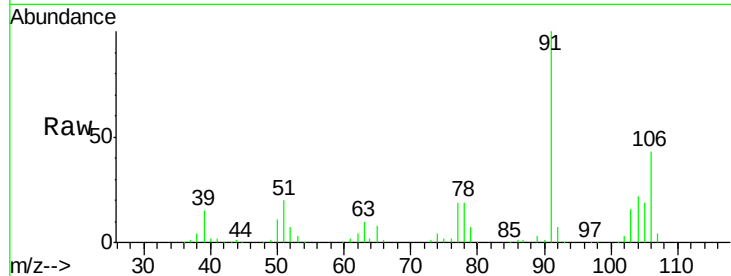
#69
o-Xylene
Concen: 20.411 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBS01

Tot Ion:106 Resp: 97214
Ion Ratio Lower Upper
106 100
91 236.1 117.3 351.8

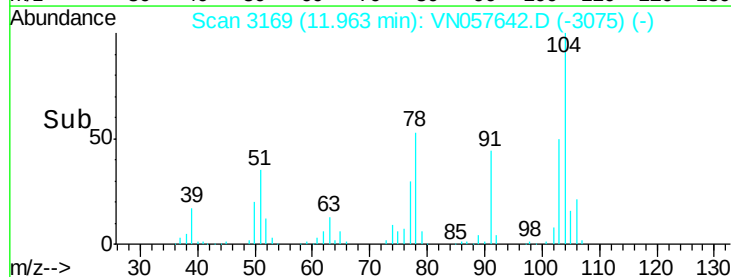
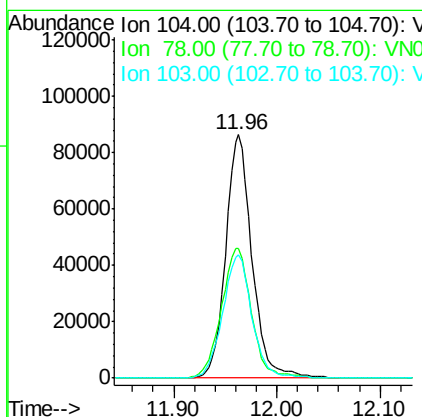
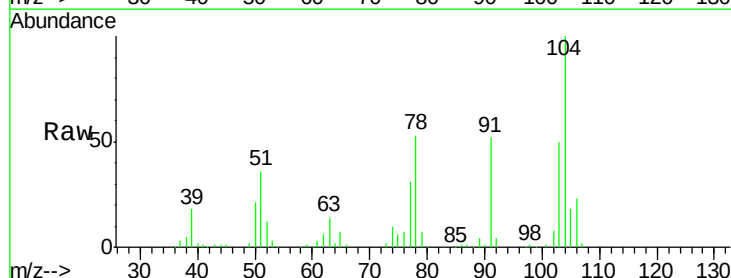
Manual Integrations
APPROVED

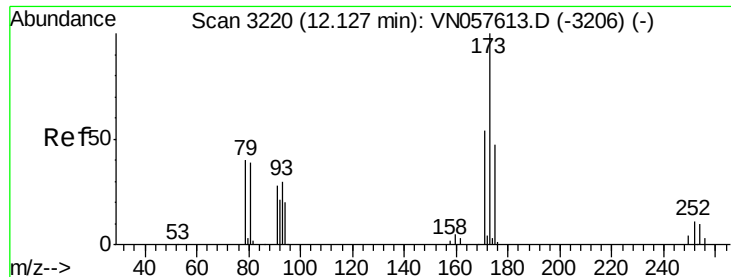
MMDadoda
9/3/2019 11:02:59 AM



#70
Styrene
Concen: 19.516 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion:104 Resp: 153050
Ion Ratio Lower Upper
104 100
78 61.1 46.6 70.0
103 56.5 44.7 67.1





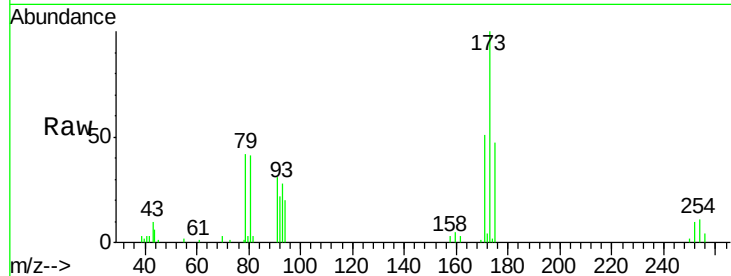
#71
Bromoform
Concen: 19.049 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

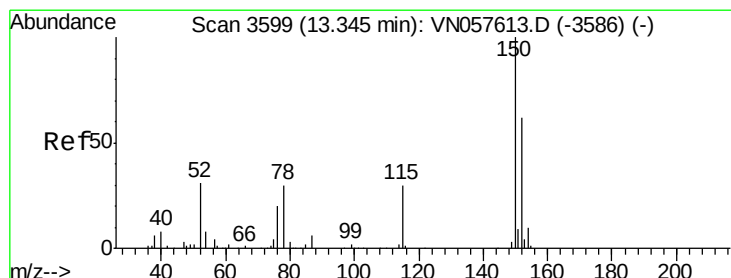
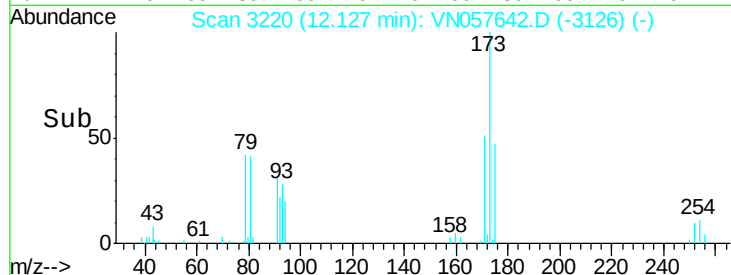
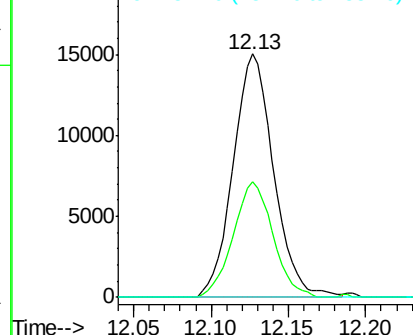
Tot Ion	Ratio	Lower	Upper
173	100		
175	46.4	24.4	73.4
254	0.0	0.0	0.0

Manual Integrations
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9/3/2019 11:02:59 AM

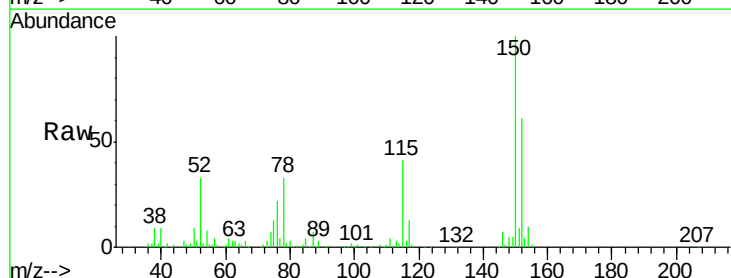


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

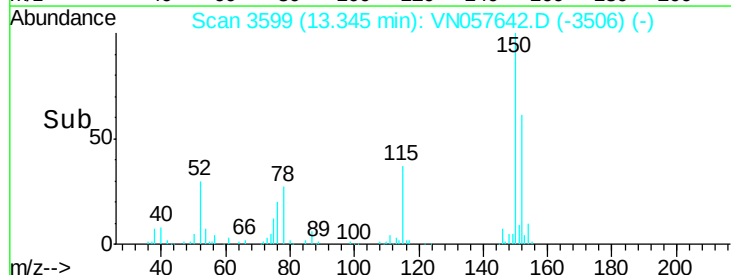
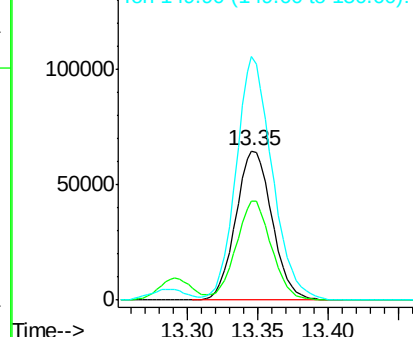


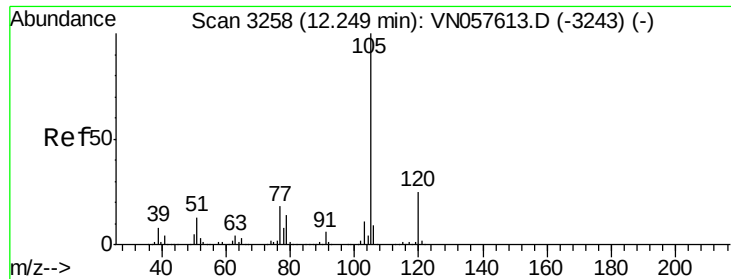
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	65.0	33.2	99.6
150	162.6	0.0	365.2



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: 22.482 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

VN0902MBSD01

Tot Ion:105 Resp: 264907

Ion Ratio Lower Upper

105 100

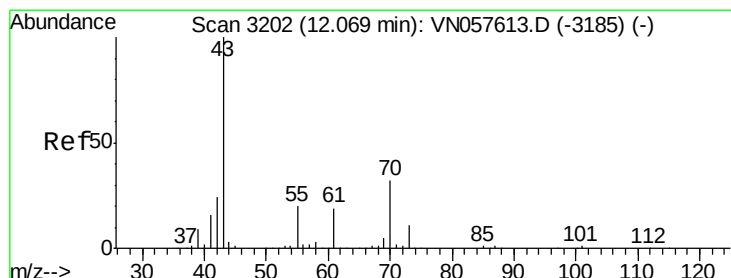
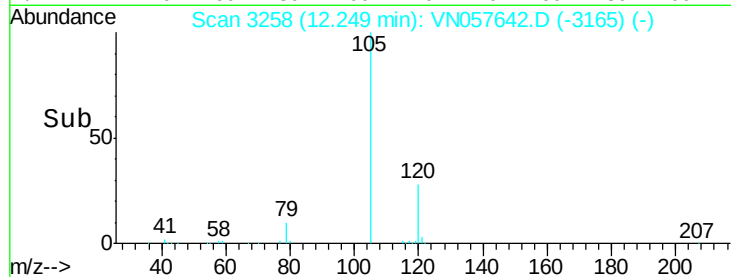
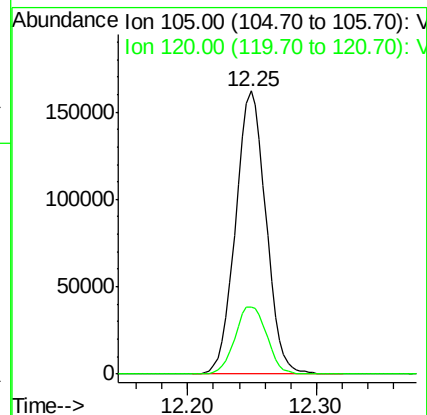
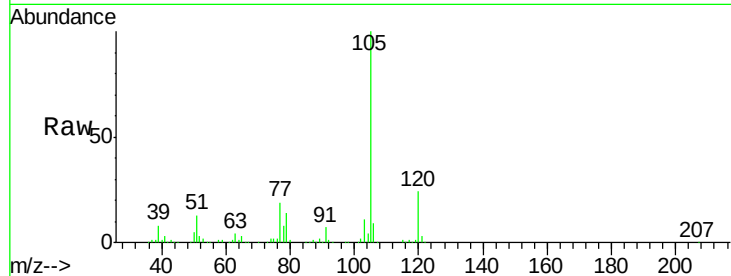
120 25.0 12.7 38.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.962 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Tgt Ion: 43 Resp: 122125

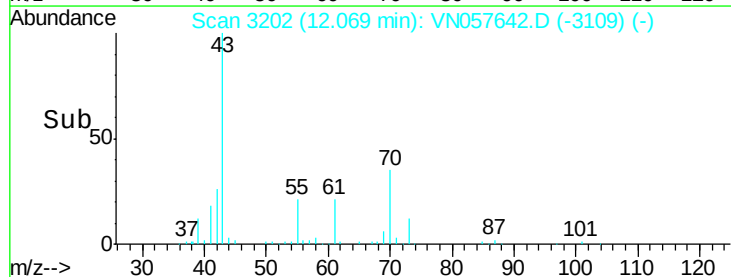
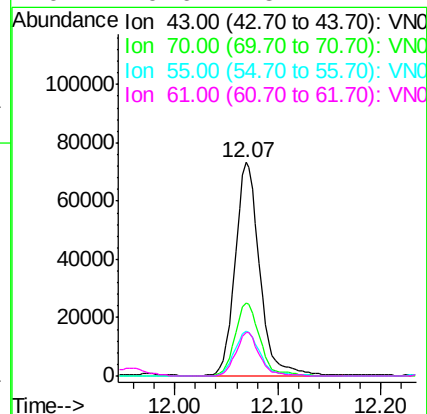
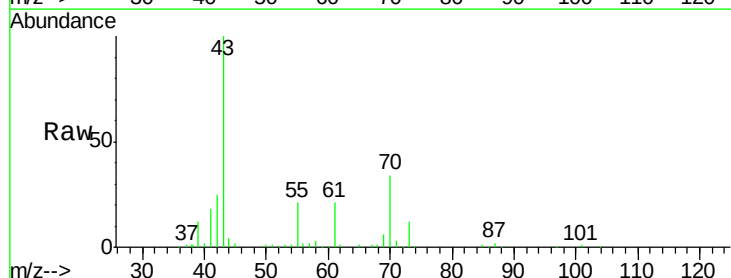
Ion Ratio Lower Upper

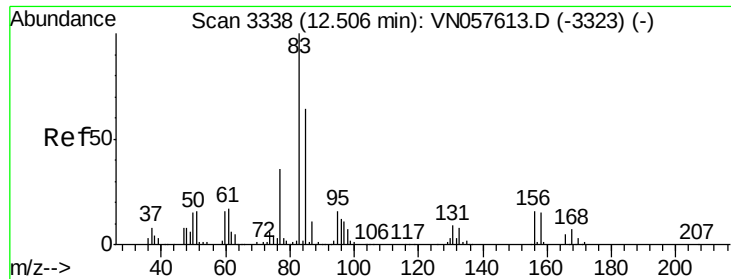
43 100

70 34.5 26.9 40.3

55 21.6 16.8 25.2

61 19.6 15.1 22.7





#75

1,1,2,2-Tetrachloroethane

Concen: 22.284 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

VN0902MBSD01

Tot Ion: 83 Resp: 77388

Ion Ratio Lower Upper

83 100

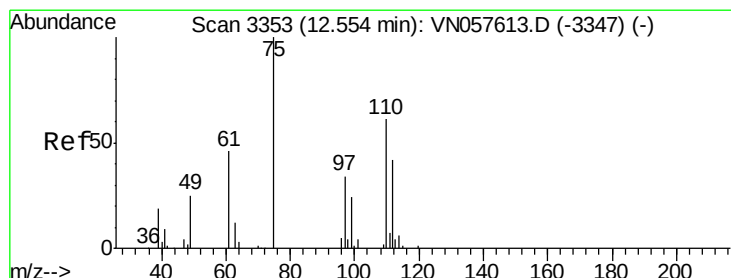
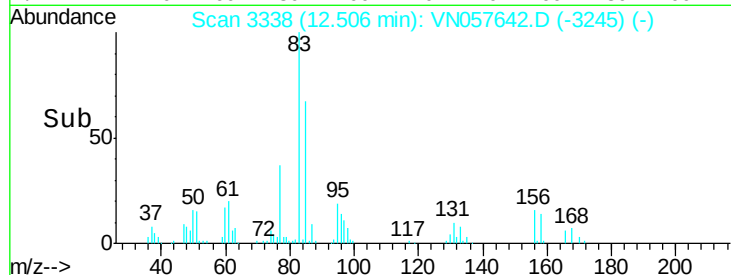
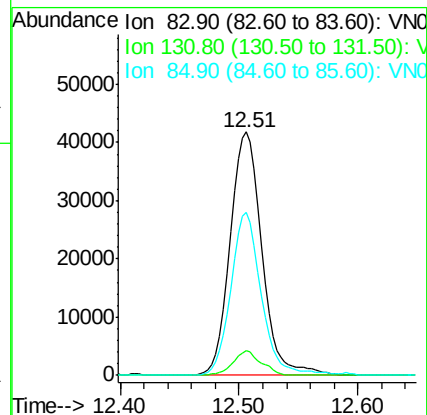
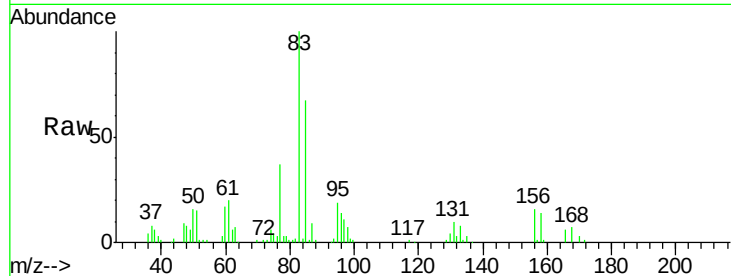
131 8.9 4.5 13.7

85 64.1 31.3 93.8

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#76

1,2,3-Trichloropropane

Concen: 24.209 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057642.D

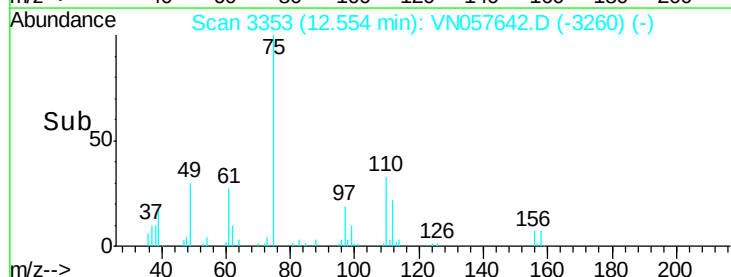
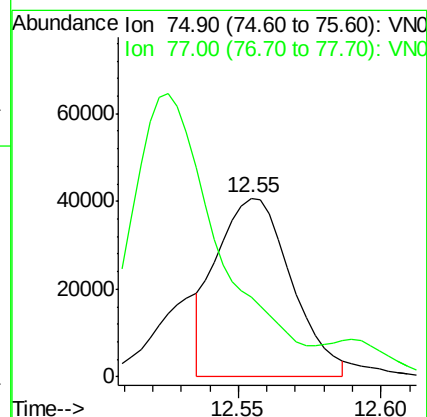
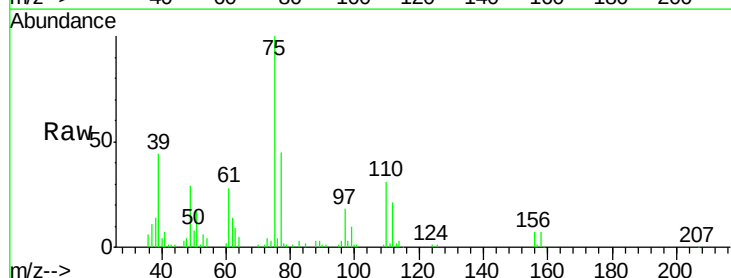
Acq: 1 Sep 2019 14:21

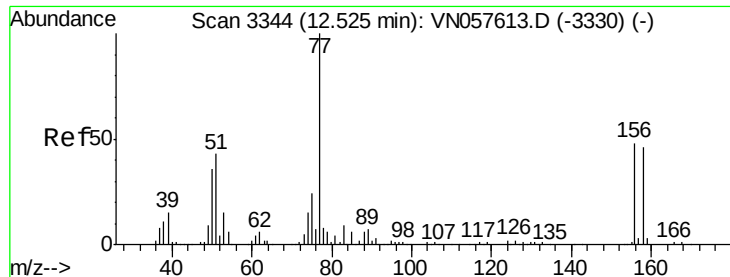
Tgt Ion: 75 Resp: 74319

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





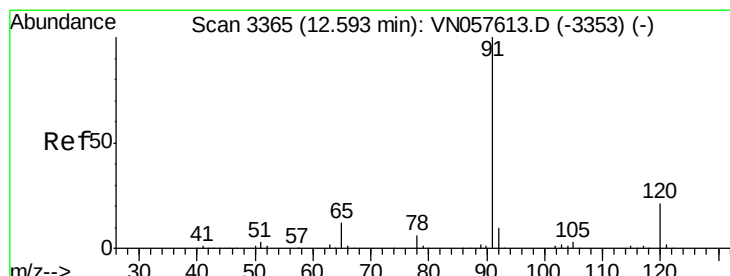
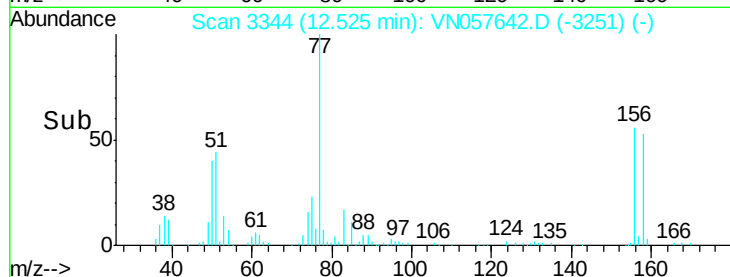
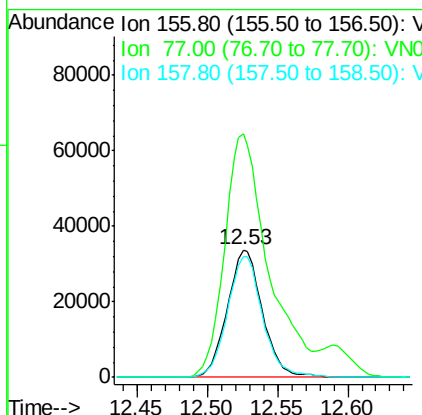
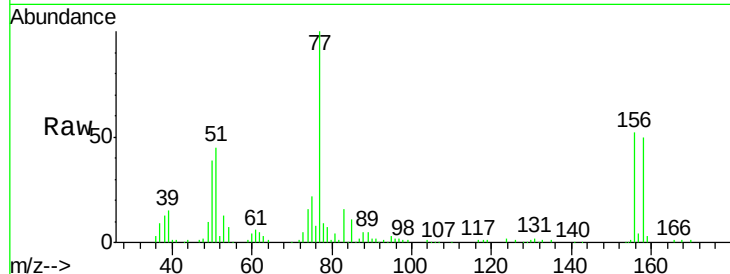
#77
Bromobenzene
Concen: 23.445 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampled :
VN0902MBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	237.9	123.5	370.5
158	94.9	47.8	143.3

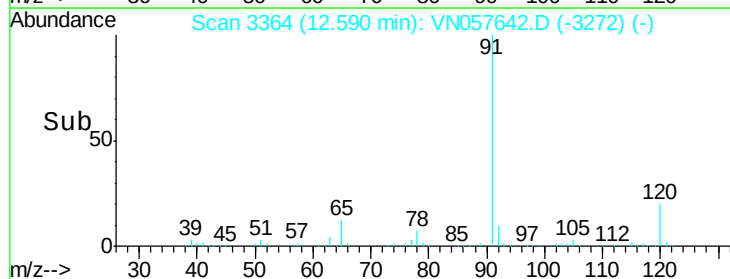
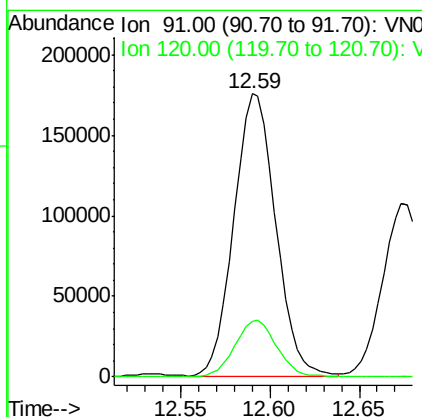
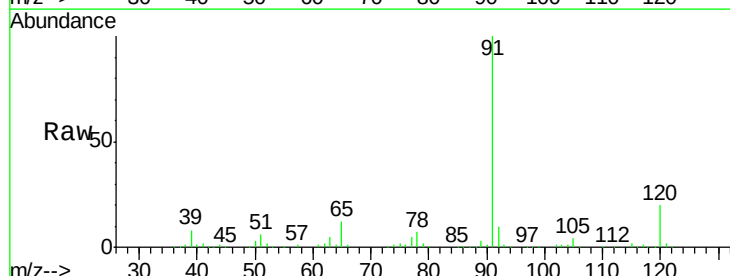
Manual Integrations
APPROVED

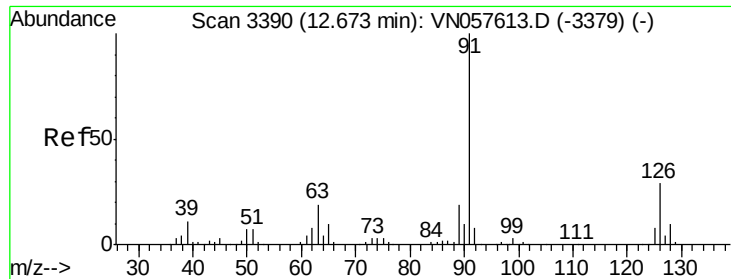
MMDadoda
9/3/2019 11:02:59 AM



#78
n-propylbenzene
Concen: 21.862 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. -0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.1	10.4	31.4





#79

2-Chlorotoluene

Concen: 22.107 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBSD01

Tot Ion: 91 Resp: 180785

Ion Ratio Lower Upper

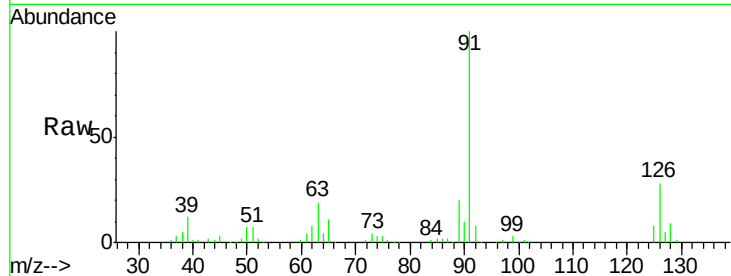
91 100

126 30.5 14.9 44.5

Manual Integrations
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9/3/2019 11:02:59 AM



Abundance Ion 91.00 (90.70 to 91.70): VN057613.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN057613.D (-3379) (-)

120000

100000

80000

60000

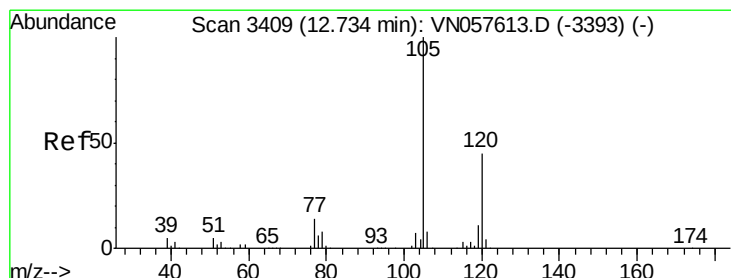
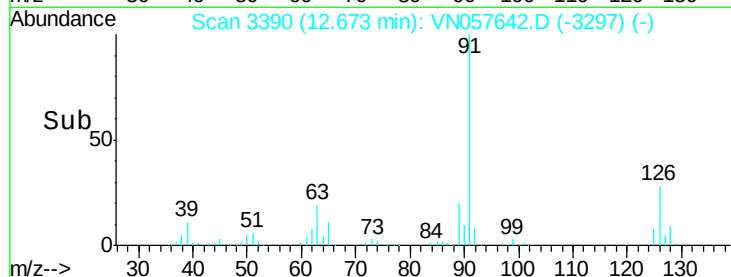
40000

20000

0

12.65 12.67 12.69 12.71

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.479 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057642.D

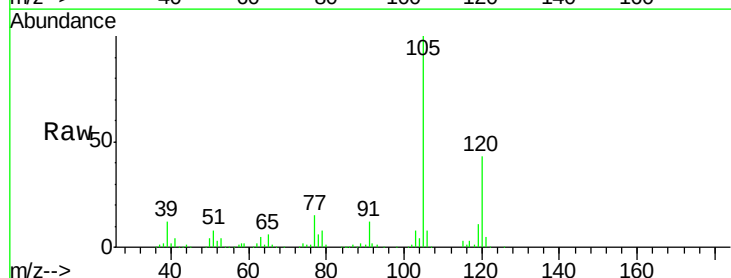
Acq: 1 Sep 2019 14:21

Tgt Ion: 105 Resp: 217905

Ion Ratio Lower Upper

105 100

120 43.7 22.6 67.8



Abundance Ion 105.00 (104.70 to 105.70): VN057613.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057613.D (-3393) (-)

150000

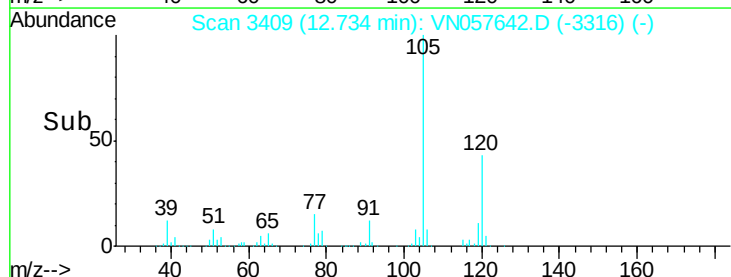
100000

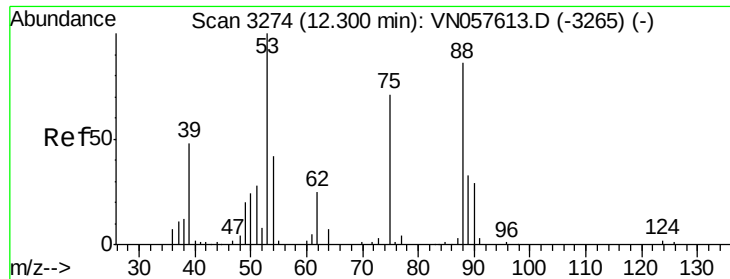
50000

0

12.65 12.70 12.75 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.947 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

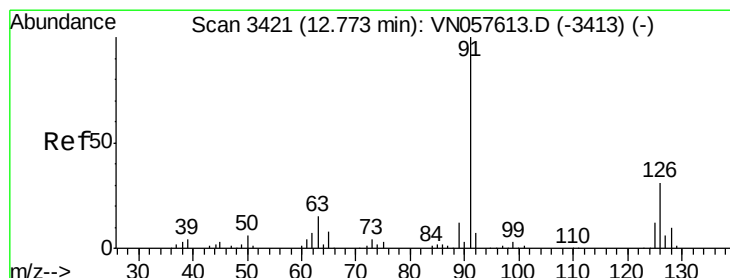
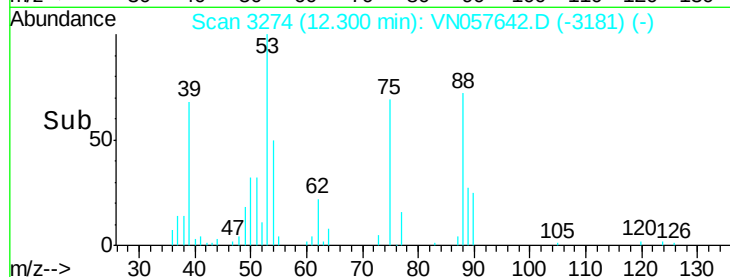
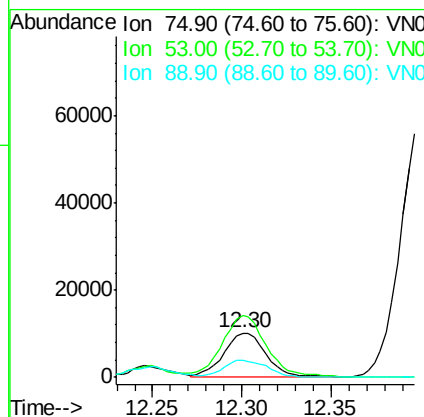
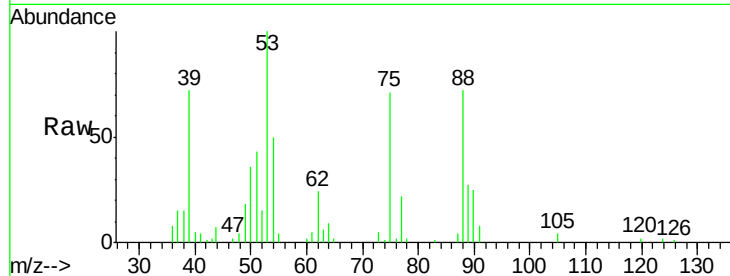
ClientSampled :

VN0902MBS01

Tot Ion:	75	Resp:	16969
Ion	Ratio	Lower	Upper
75	100		
53	146.4	111.0	166.6
89	40.0	38.3	57.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.673 ug/l

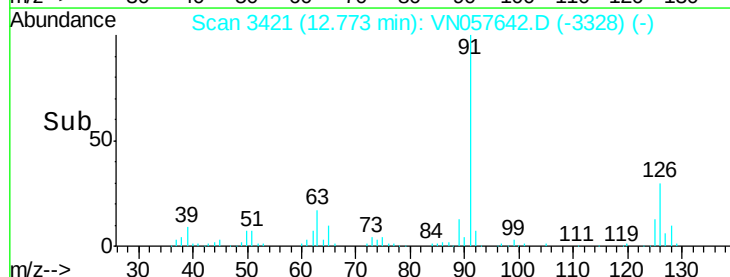
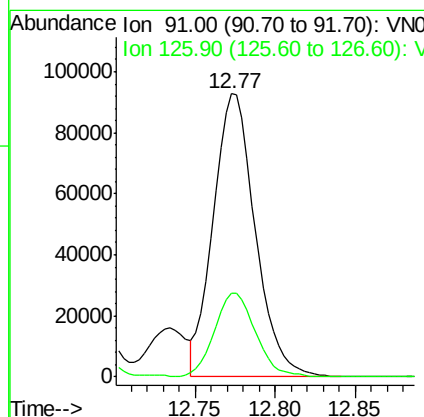
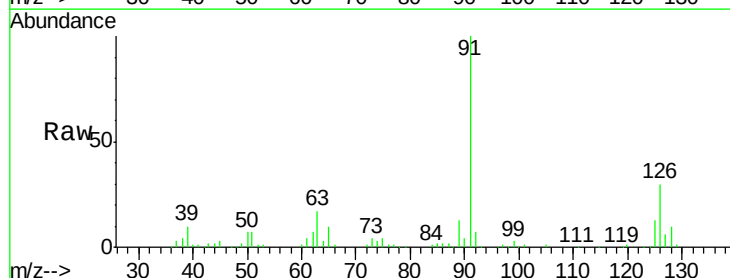
RT: 12.77 min Scan# 3421

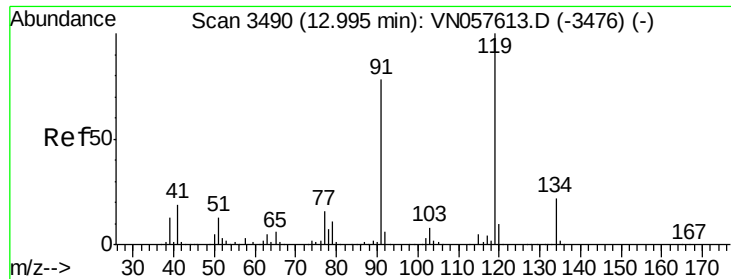
Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Tgt Ion:	91	Resp:	167344
Ion	Ratio	Lower	Upper
91	100		
126	29.2	14.4	43.2





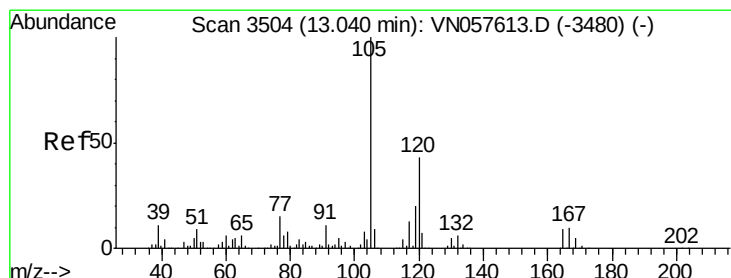
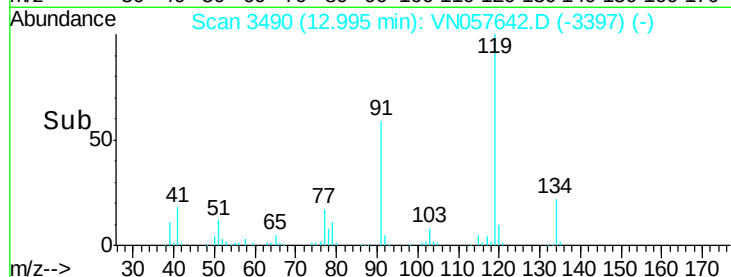
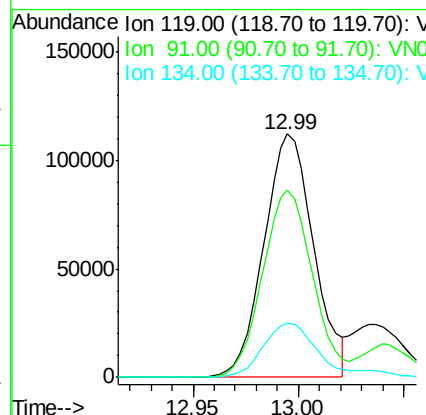
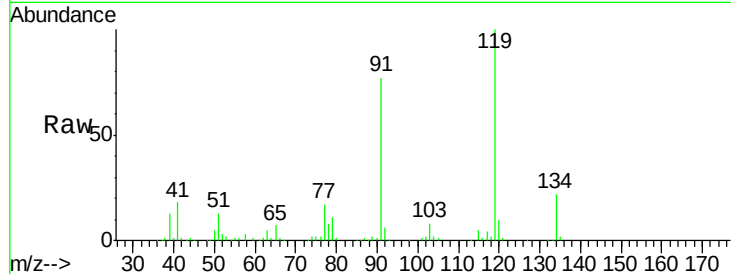
#83
 tert-Butylbenzene
 Concen: 22.346 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Instrument :
 MSVOA_N
 ClientSampled :
 VN0902MBSD01

Tot Ion	Ratio	Lower	Upper
119	100		
91	77.4	38.3	114.9
134	25.5	11.3	33.8

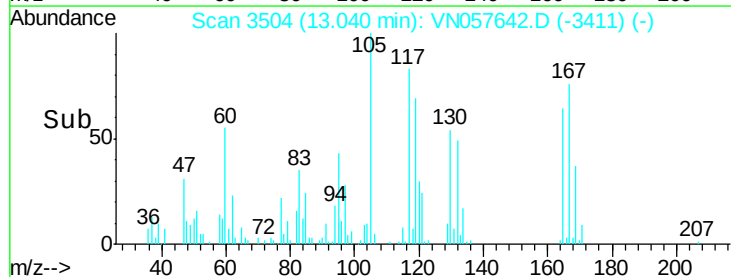
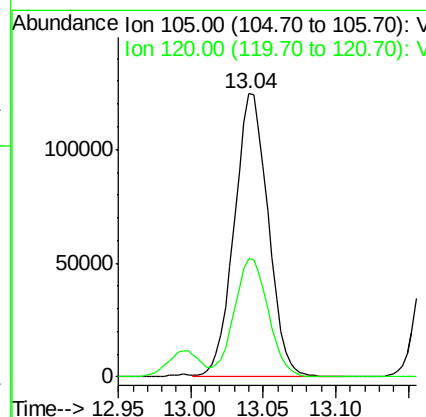
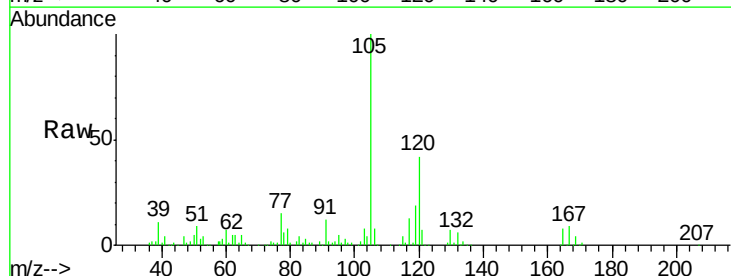
Manual Integrations
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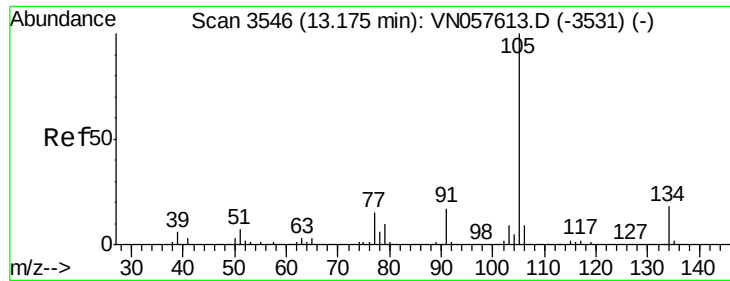
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.575 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	41.9	20.8	62.5





#85

sec-Butylbenzene

Concen: 21.549 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0902MBSD01

Tot Ion:105 Resp: 238406

Ion Ratio Lower Upper

105 100

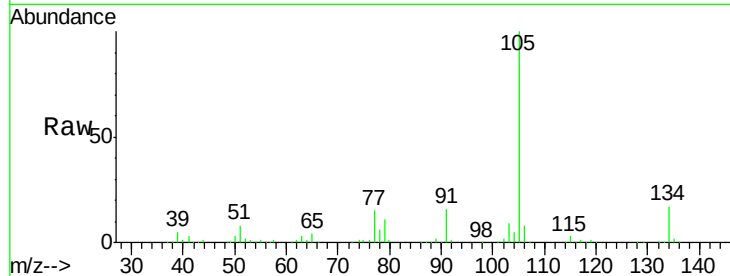
134 17.5 8.9 26.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

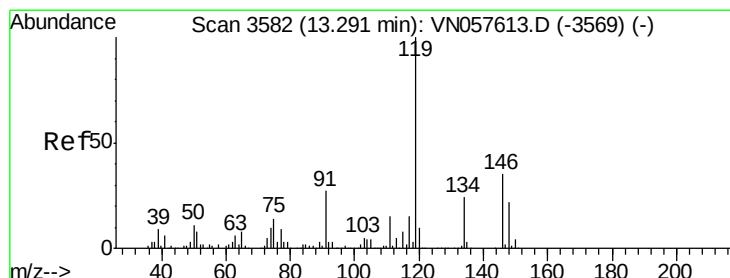
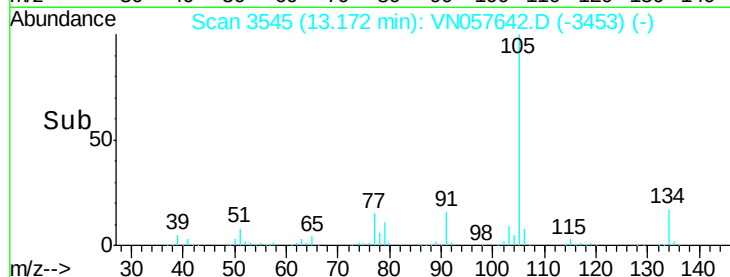
150000

100000

50000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.942 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057642.D

Acq: 1 Sep 2019 14:21

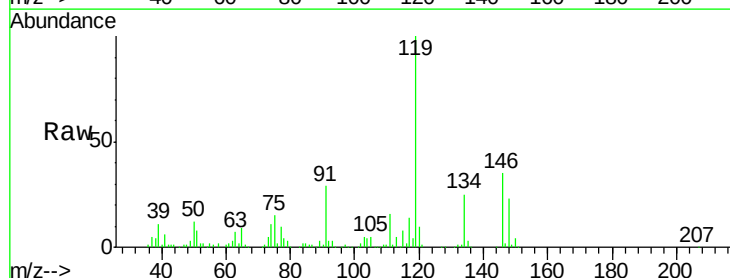
Tgt Ion:119 Resp: 191606

Ion Ratio Lower Upper

119 100

134 24.8 11.9 35.5

91 28.8 13.7 41.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

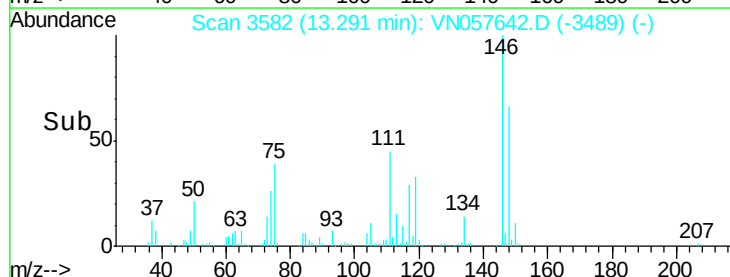
150000

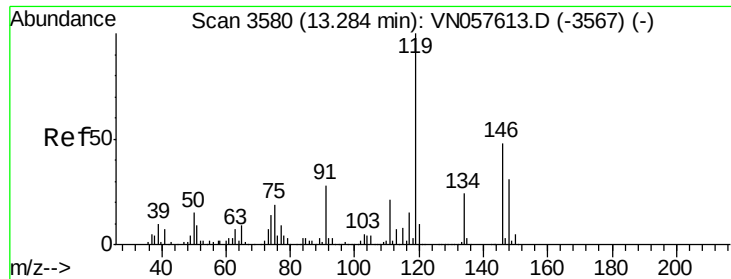
100000

50000

0

Time-->





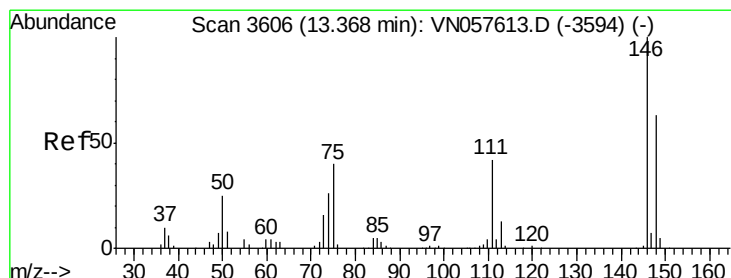
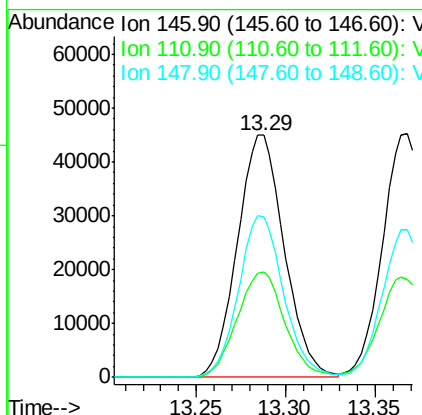
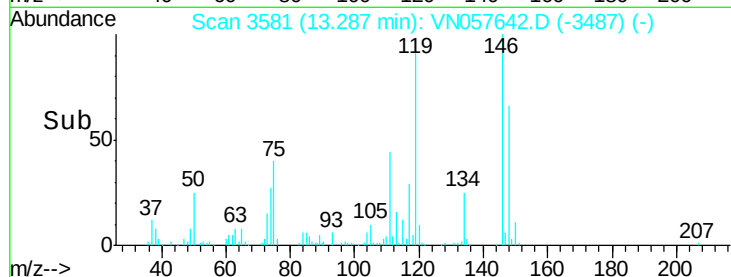
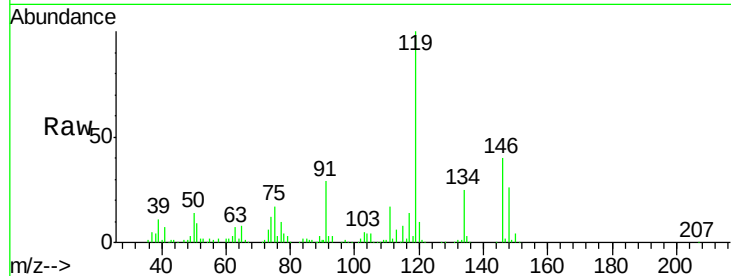
#87
 1,3-Dichlorobenzene
 Concen: 20.138 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.8	65.3
148	64.2	31.4	94.2

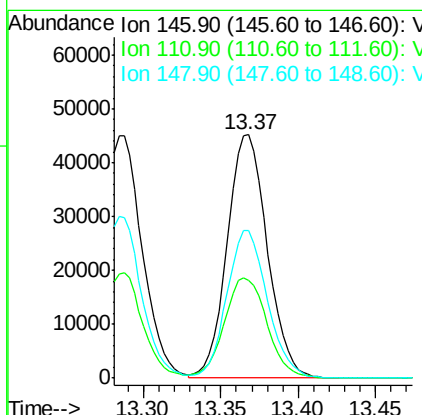
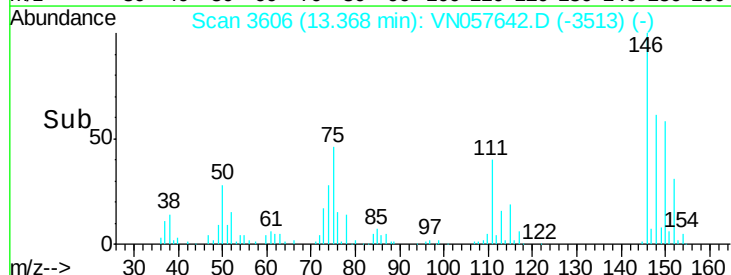
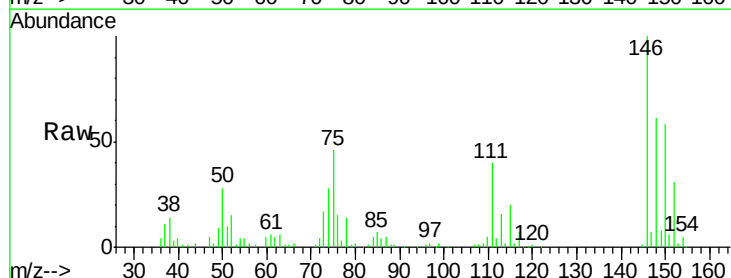
Manual Integrations
 APPROVED

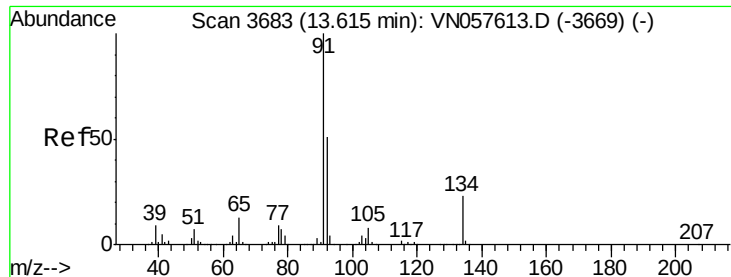
MMDadoda
 9/3/2019 11:02:59 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.611 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.1	21.6	65.0
148	61.4	32.2	96.6





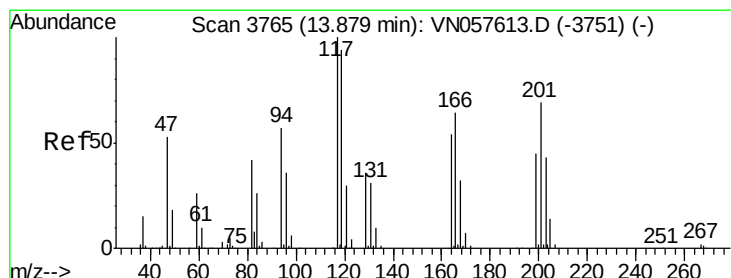
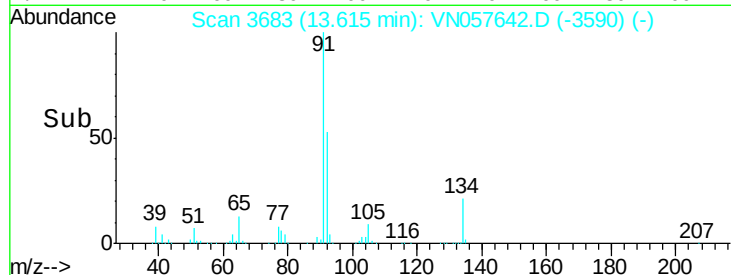
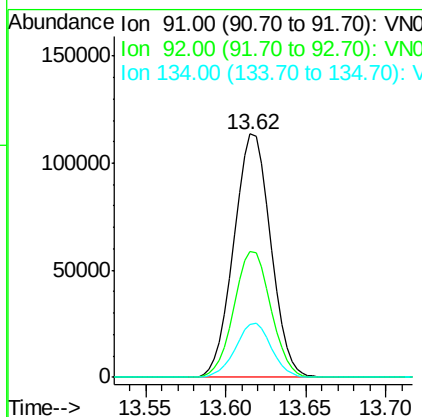
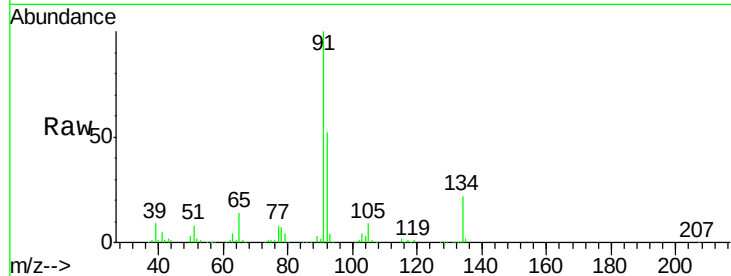
#89
n-Butylbenzene
Concen: 20.779 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	25.4	76.0
134	21.6	11.0	33.0

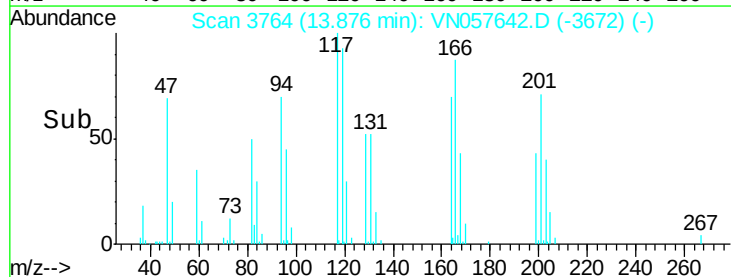
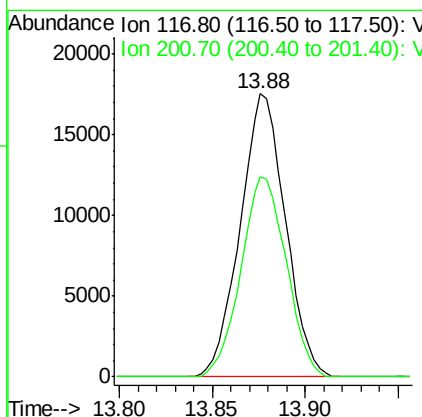
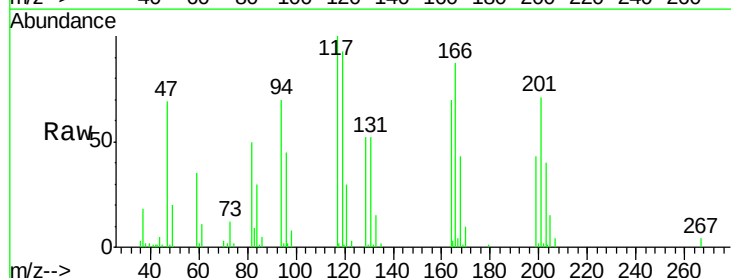
Manual Integrations
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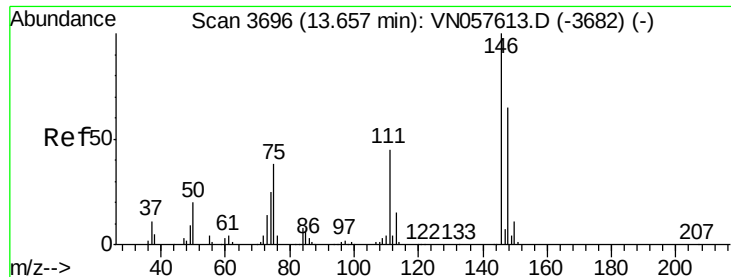
MMDadoda
9/3/2019 11:02:59 AM



#90
Hexachloroethane
Concen: 18.630 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.7	34.4	103.2





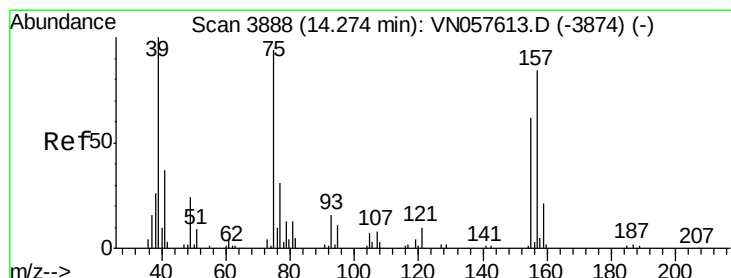
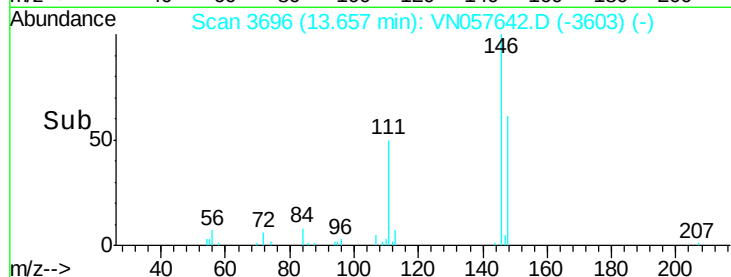
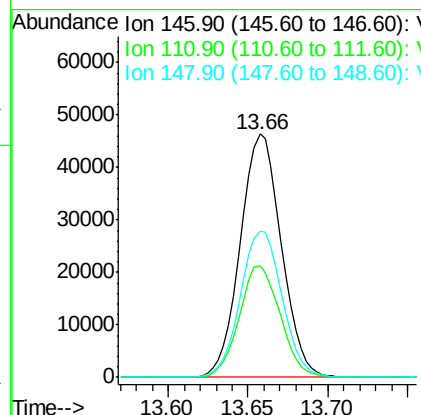
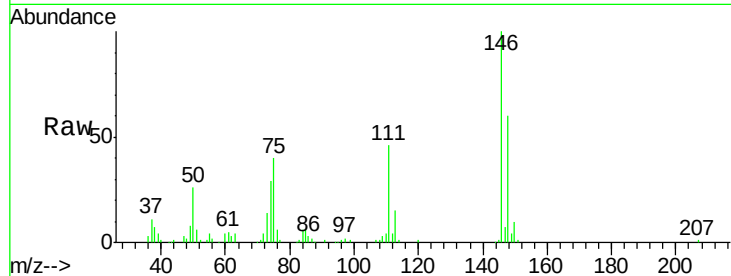
#91
 1,2-Dichlorobenzene
 Concen: 20.744 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Instrument :
 MSVOA_N
 ClientSampled :
 VN0902MBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.8	22.1	66.5
148	61.2	31.6	94.7

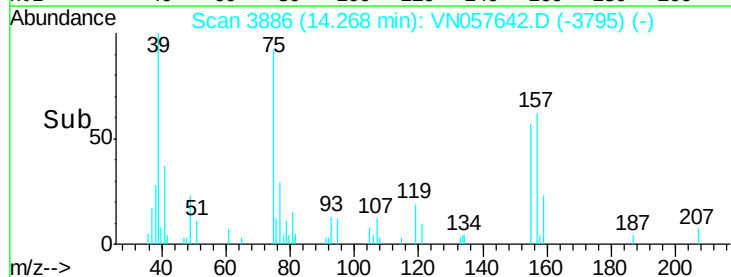
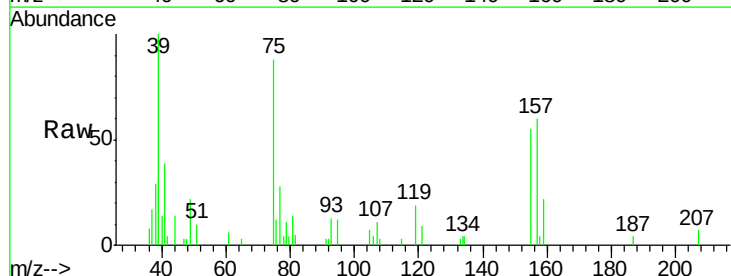
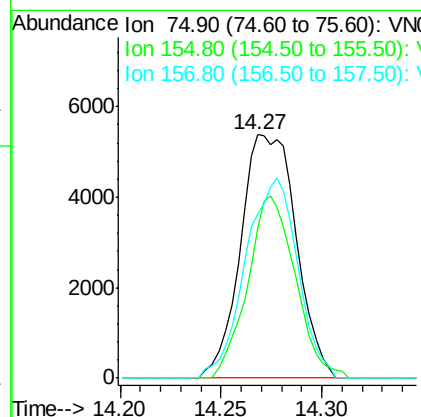
Manual Integrations
 APPROVED

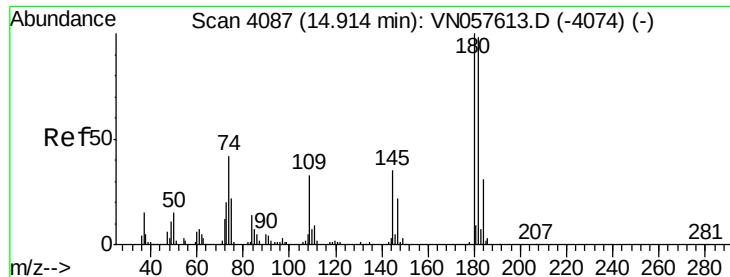
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 9/3/2019 11:02:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.393 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.01 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	64.1	30.1	90.5
157	76.9	41.4	124.4





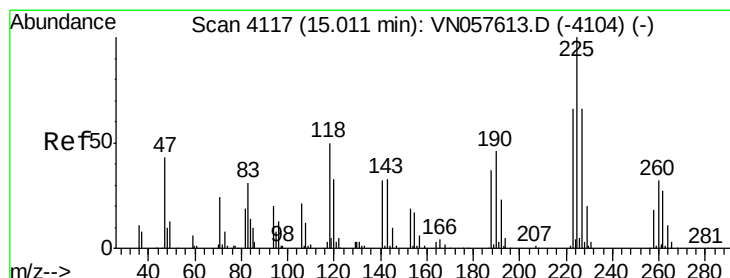
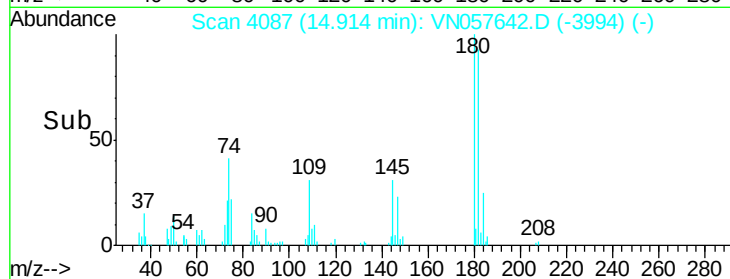
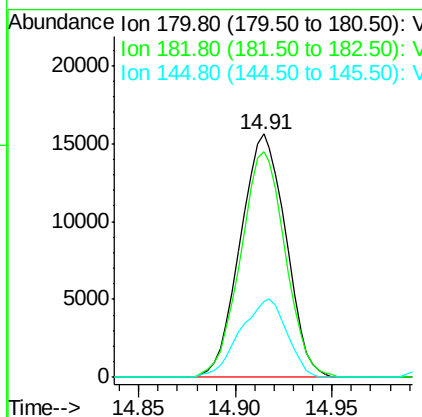
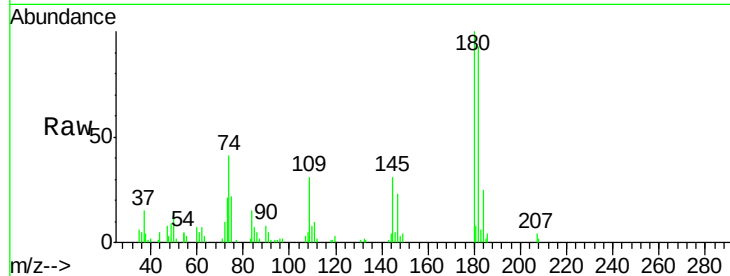
#93
 1,2,4-Trichlorobenzene
 Concen: 20.900 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902MBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	25571		
182	91.3	47.8	143.3	
145	33.1	16.9	50.7	

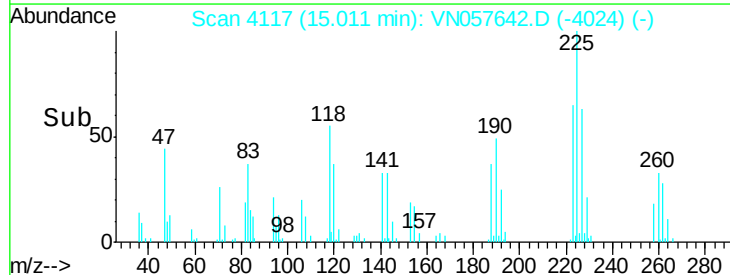
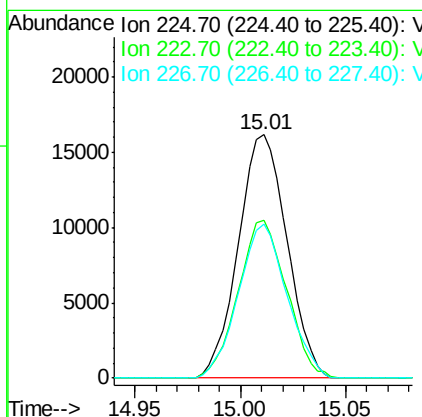
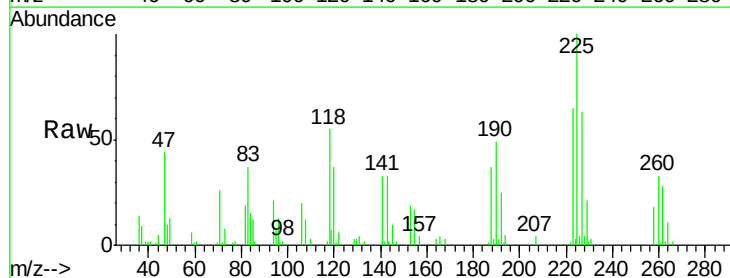
Manual Integrations
 APPROVED

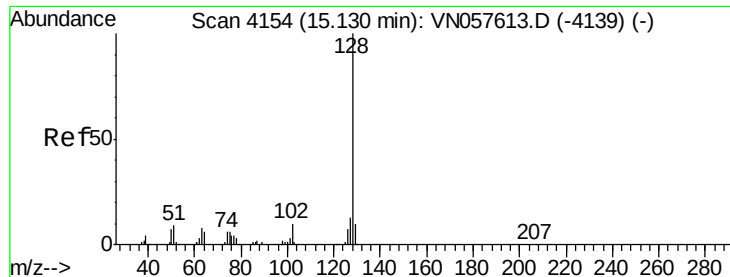
MMDadoda
 9/3/2019 11:02:59 AM



#94
 Hexachlorobutadiene
 Concen: 19.422 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057642.D
 Acq: 1 Sep 2019 14:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25985		
223	64.3	32.3	96.8	
227	63.1	32.4	97.2	





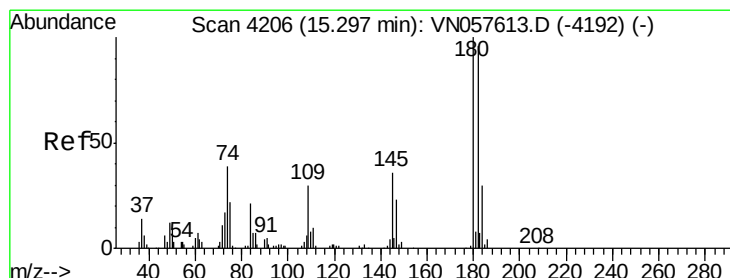
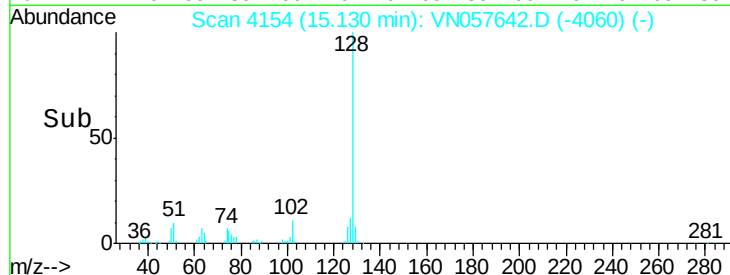
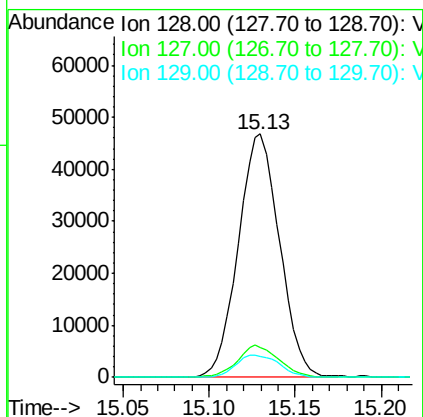
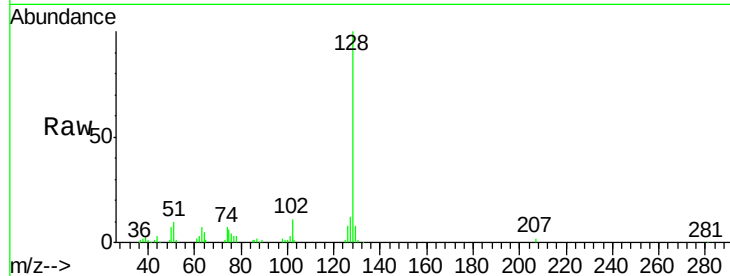
#95
Naphthalene
Concen: 20.334 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0902MBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.2
129	9.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/3/2019 11:02:59 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.157 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057642.D
Acq: 1 Sep 2019 14:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	91.1	46.3	138.9
145	33.6	17.8	53.3

