

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081619\
 Data File : VN057328.D
 Acq On : 15 Aug 2019 13:50
 Operator : JC/SP
 Sample : VN0816MBS01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816MBS01

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:54:07 AM

Quant Time: Aug 15 14:14:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	896893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1300786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1144597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	410926	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	468302	48.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.06%	
35) Dibromofluoromethane	7.58	113	419462	49.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.38%	
50) Toluene-d8	10.08	98	1562202	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
62) 4-Bromofluorobenzene	12.40	95	502652	45.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	141300	18.309	ug/l	95
3) Chloromethane	2.05	50	157211	17.258	ug/l	99
4) Vinyl Chloride	2.18	62	153741	17.939	ug/l	99
5) Bromomethane	2.54	94	120082	19.656	ug/l	97
6) Chloroethane	2.70	64	110306	18.712	ug/l	97
7) Trichlorofluoromethane	3.02	101	249012	18.524	ug/l	99
8) Diethyl Ether	3.40	74	94907	18.758	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	150631	19.072	ug/l	98
10) Methyl Iodide	3.95	142	237311	18.798	ug/l	99
11) Tert butyl alcohol	4.76	59	123863	89.359	ug/l	99
12) 1,1-Dichloroethene	3.73	96	147353	18.725	ug/l	98
13) Acrolein	3.60	56	68835	81.803	ug/l	99
14) Allyl chloride	4.32	41	230823	18.299	ug/l	99
15) Acrylonitrile	4.97	53	347046	92.221	ug/l	99
16) Acetone	3.80	43	307100	90.795	ug/l	98
17) Carbon Disulfide	4.05	76	372269	17.560	ug/l	99
18) Methyl Acetate	4.31	43	176354	17.963	ug/l	97
19) Methyl tert-butyl Ether	5.03	73	462801	18.743	ug/l	100
20) Methylene Chloride	4.54	84	169386	17.899	ug/l	99
21) trans-1,2-Dichloroethene	5.03	96	158159	18.689	ug/l	94
22) Diisopropyl ether	5.94	45	474214	19.031	ug/l	96
23) Vinyl Acetate	5.88	43	1852229	92.360	ug/l	98
24) 1,1-Dichloroethane	5.84	63	290519	18.950	ug/l	100
25) 2-Butanone	6.82	43	445169	90.888	ug/l	97
26) 2,2-Dichloropropane	6.81	77	240261	19.392	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	189009	18.866	ug/l	98
28) Bromochloromethane	7.19	49	133892	19.656	ug/l	99
29) Tetrahydrofuran	7.20	42	280034	90.343	ug/l	99
30) Chloroform	7.36	83	295301	18.381	ug/l	97
31) Cyclohexane	7.65	56	248040	18.670	ug/l	96
32) 1,1,1-Trichloroethane	7.56	97	255097	18.878	ug/l	97
36) 1,1-Dichloropropene	7.79	75	218956	19.064	ug/l	99
37) Ethyl Acetate	6.91	43	176077	18.718	ug/l	99
38) Carbon Tetrachloride	7.77	117	226591	18.988	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	258306	19.261	ug/l	98
40) Benzene	8.03	78	672144	19.134	ug/l	99
41) Methacrylonitrile	7.16	41	83935	19.814	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	220584	18.973	ug/l	98
43) Isopropyl Acetate	8.16	43	324481	18.143	ug/l	99
44) Trichloroethene	8.83	130	190564	19.295	ug/l	99
45) 1,2-Dichloropropane	9.11	63	174189	19.237	ug/l	96
46) Dibromomethane	9.20	93	116734	19.325	ug/l	99
47) Bromodichloromethane	9.40	83	225834	18.869	ug/l	98
48) Methyl methacrylate	9.19	41	141929	18.322	ug/l	99
49) 1,4-Dioxane	9.19	88	64656	396.904	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	877795	90.453	ug/l	98
52) Toluene	10.15	92	429115	19.626	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	243227	18.788	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	272451	19.085	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	165343	19.231	ug/l	98
56) Ethyl methacrylate	10.43	69	238247	18.988	ug/l	99
57) 1,3-Dichloropropane	10.70	76	276482	19.250	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	279444	86.733	ug/l	99
59) 2-Hexanone	10.75	43	630867	90.424	ug/l	100
60) Dibromochloromethane	10.90	129	182078	18.898	ug/l	99
61) 1,2-Dibromoethane	11.00	107	171243	18.697	ug/l	99
64) Tetrachloroethene	10.63	164	197290	19.939	ug/l	96
65) Chlorobenzene	11.43	112	450694	19.306	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	179487	20.076	ug/l	98
67) Ethyl Benzene	11.51	91	788542	19.307	ug/l	100
68) m/p-Xylenes	11.62	106	582982	38.742	ug/l	100
69) o-Xylene	11.95	106	285643	19.333	ug/l	100
70) Styrene	11.96	104	454016	19.277	ug/l	100
71) Bromoform	12.12	173	132588	18.798	ug/l #	99
73) Isopropylbenzene	12.25	105	774695	21.796	ug/l	99
74) N-amyl acetate	12.07	43	223200	18.718	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	213845	20.799	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	181331m	21.344	ug/l	
77) Bromobenzene	12.53	156	203318	21.869	ug/l	96
78) n-propylbenzene	12.59	91	755303	19.087	ug/l	100
79) 2-Chlorotoluene	12.67	91	486467	21.122	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	623576	21.224	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	63091	18.722	ug/l	97
82) 4-Chlorotoluene	12.77	91	430819	18.373	ug/l	96
83) tert-Butylbenzene	12.99	119	568246	21.674	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	569631	19.246	ug/l	98
85) sec-Butylbenzene	13.17	105	673257	20.773	ug/l	100
86) p-Isopropyltoluene	13.29	119	570551	18.828	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	275185	19.113	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	257581	18.847	ug/l	99
89) n-Butylbenzene	13.62	91	432514	20.021	ug/l	99
90) Hexachloroethane	13.88	117	114112	20.780	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	266074	19.825	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25253	17.233	ug/l	98

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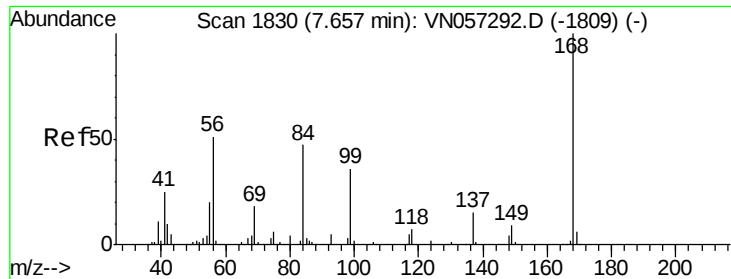
Manual Integrations
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8/19/2019 1:54:07 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	65023	16.173	ug/l	98
94) Hexachlorobutadiene	15.01	225	123531	21.422	ug/l	96
95) Naphthalene	15.13	128	125486	18.939	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	64538	19.674	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBS01

Tot Ion:168 Resp: 896893

Ion Ratio Lower Upper

168 100

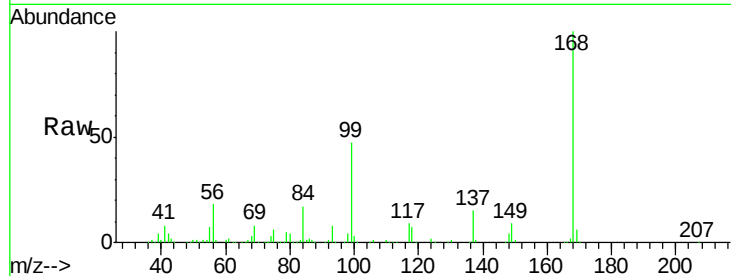
99 47.0 39.4 59.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

400000

300000

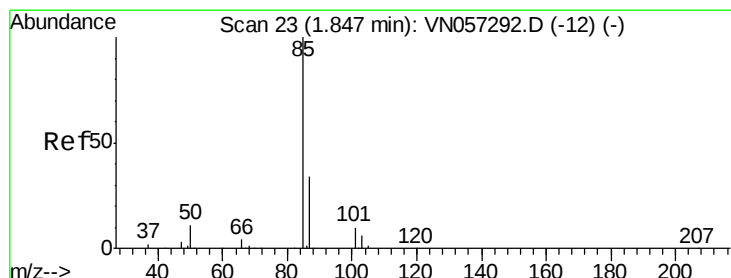
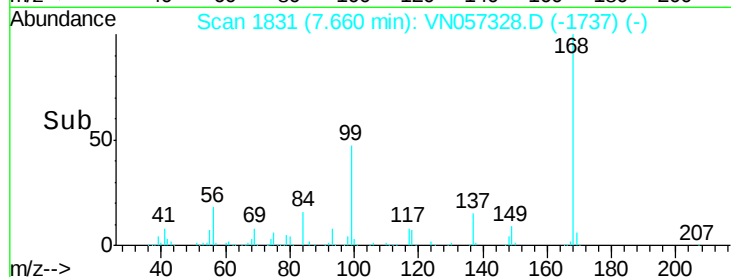
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.309 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057328.D

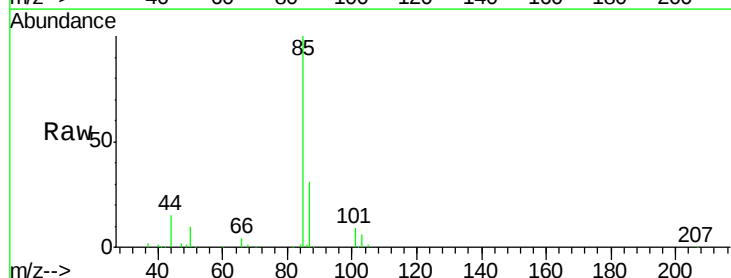
Acq: 15 Aug 2019 13:50

Tgt Ion: 85 Resp: 141300

Ion Ratio Lower Upper

85 100

87 31.1 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

100000

80000

60000

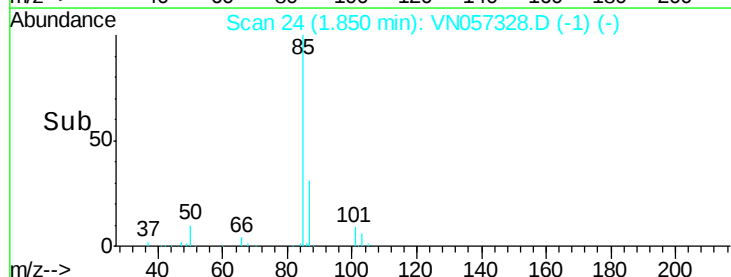
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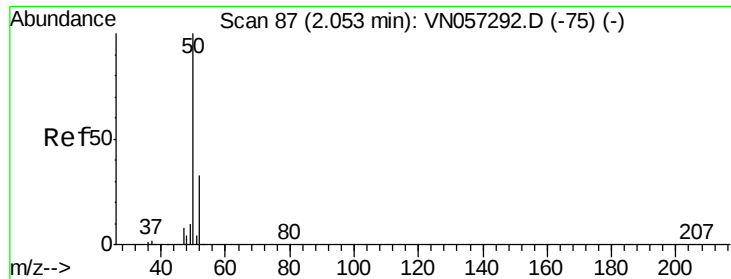
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.258 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBS01

Tot Ion: 50 Resp: 157211

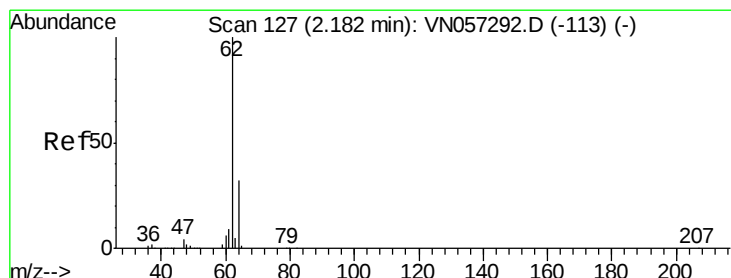
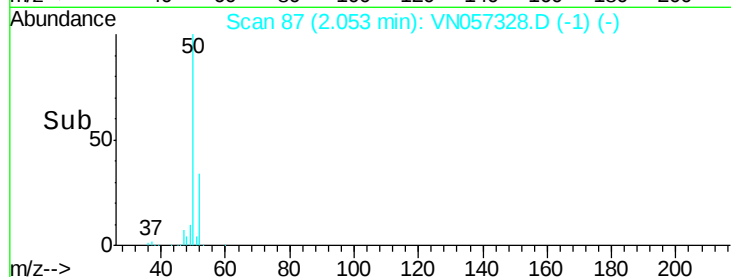
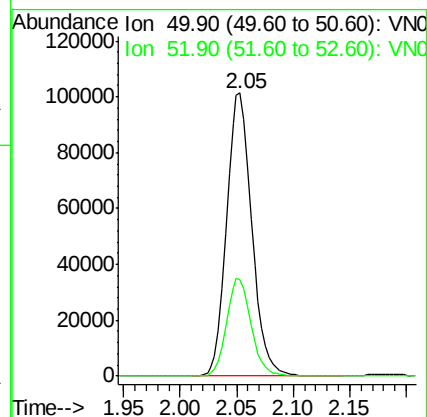
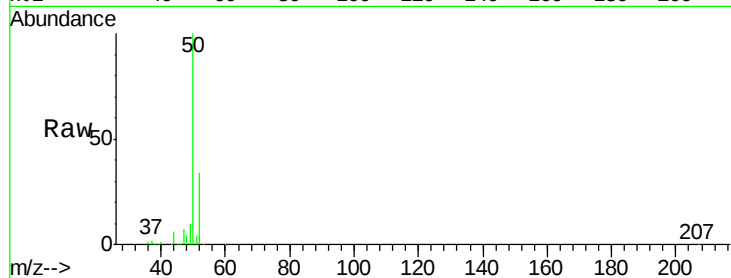
Ion Ratio Lower Upper

50 100

52 34.3 26.8 40.2

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#4

Vinyl Chloride

Concen: 17.939 ug/l

RT: 2.18 min Scan# 127

Delta R.T. -0.00 min

Lab File: VN057328.D

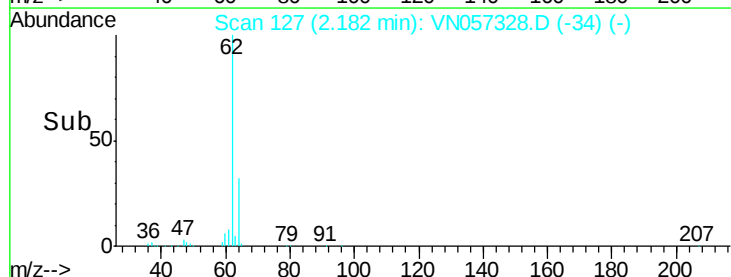
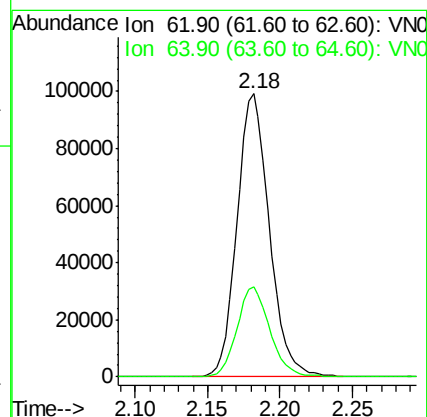
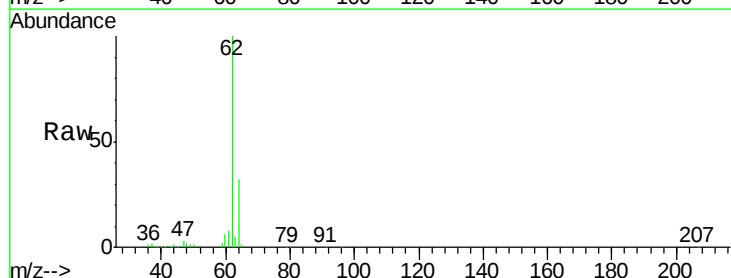
Acq: 15 Aug 2019 13:50

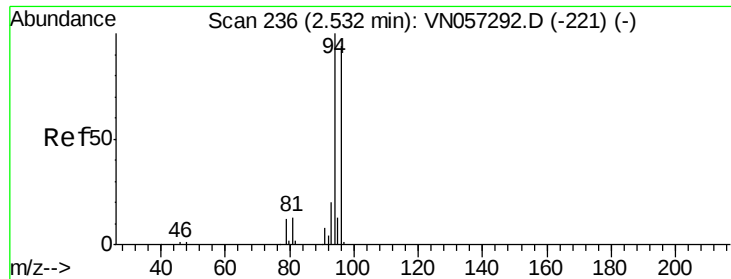
Tgt Ion: 62 Resp: 153741

Ion Ratio Lower Upper

62 100

64 31.7 25.9 38.9





#5

Bromomethane

Concen: 19.656 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBS01

Tot Ion: 94 Resp: 120082

Ion Ratio Lower Upper

94 100

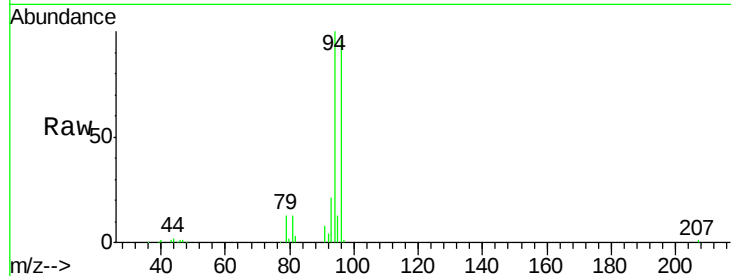
96 96.3 75.0 112.6

Manual Integrations

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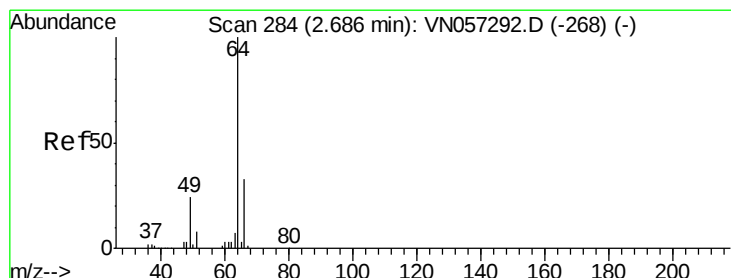
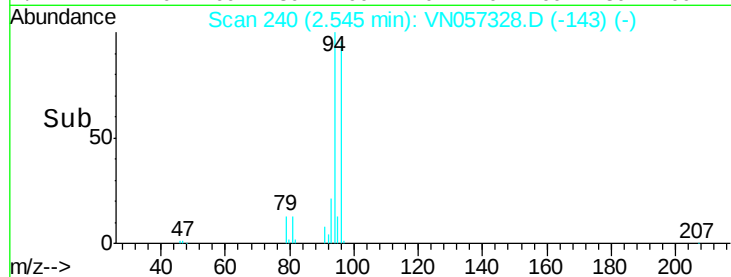
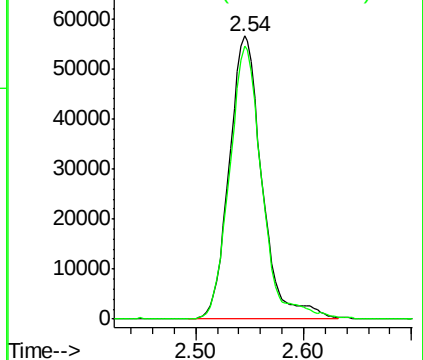
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.712 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.01 min

Lab File: VN057328.D

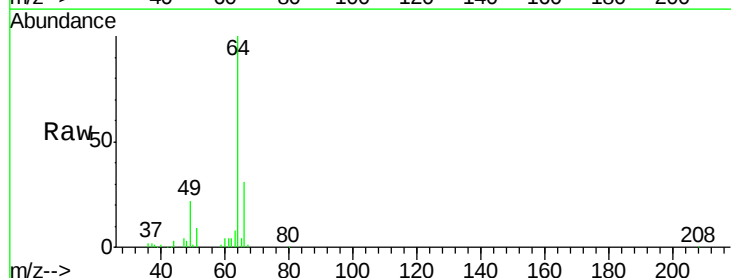
Acq: 15 Aug 2019 13:50

Tgt Ion: 64 Resp: 110306

Ion Ratio Lower Upper

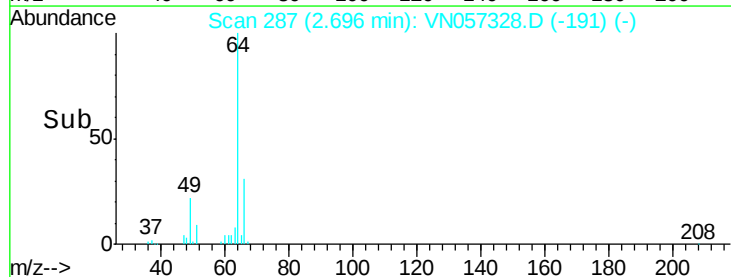
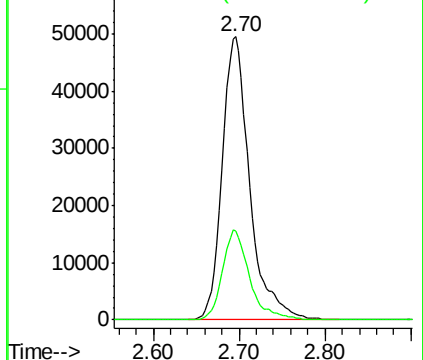
64 100

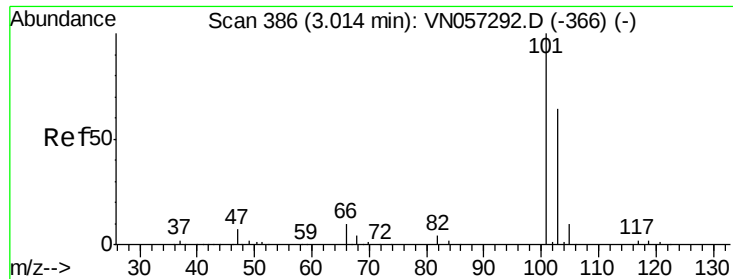
66 31.2 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

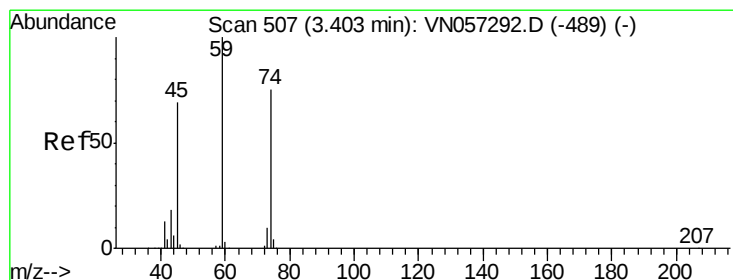
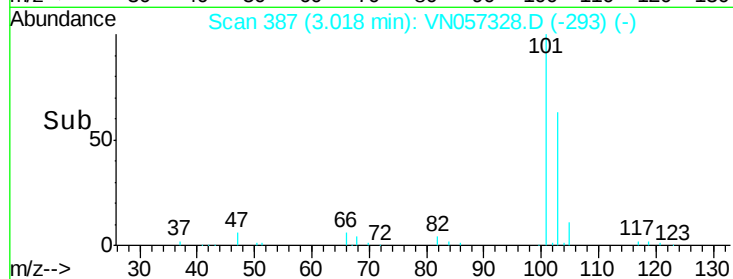
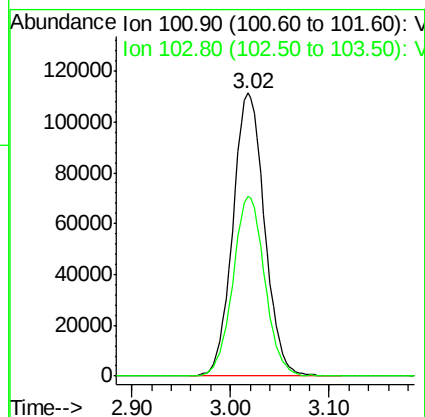
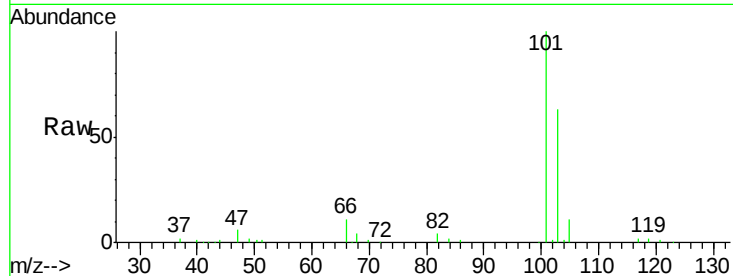
Trichlorofluoromethane
 Concen: 18.524 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Instrument :
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 VN0816MBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	249012		
103	63.4	51.5	77.3	

Manual Integrations
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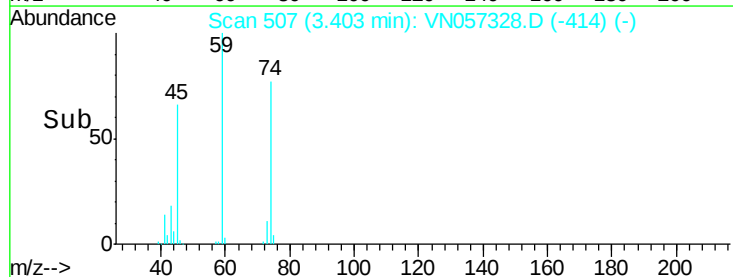
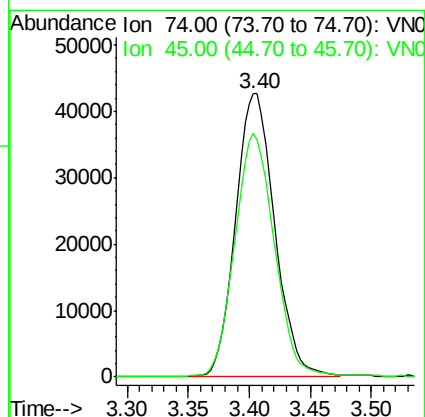
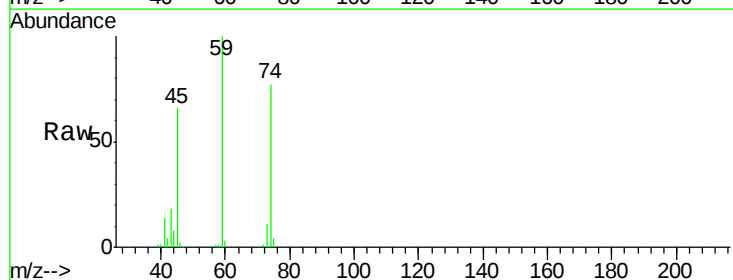
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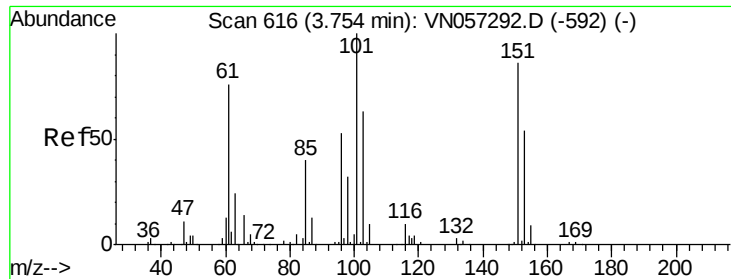


#8

Diethyl Ether
 Concen: 18.758 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. -0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	94907		
45	87.1	45.9	137.6	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.072 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

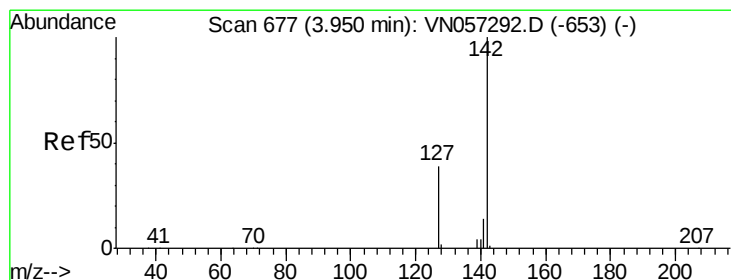
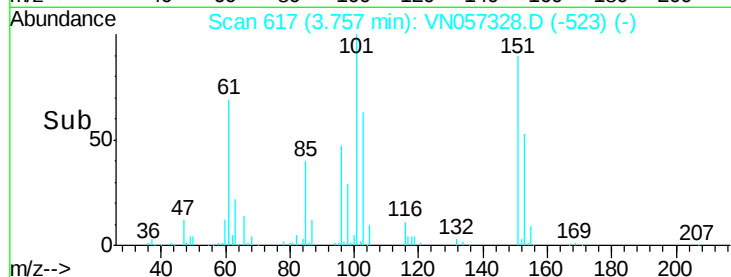
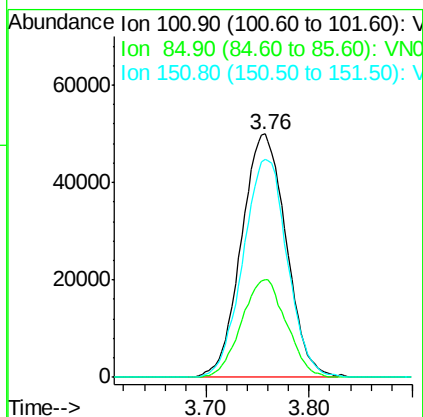
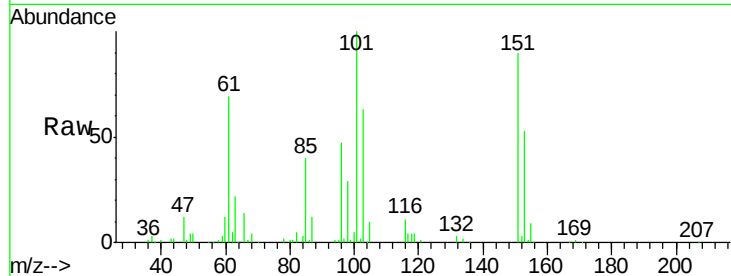
ClientSampleId :

VN0816MBS01

Tot Ion:	101	Resp:	150631
Ion Ratio	Lower	Upper	
101	100		
85	40.2	32.7	49.1
151	88.7	69.1	103.7

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#10

Methyl Iodide

Concen: 18.798 ug/l

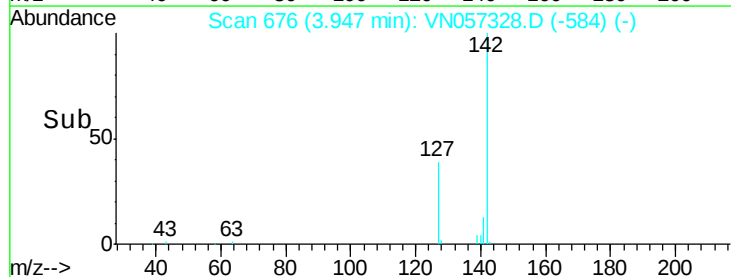
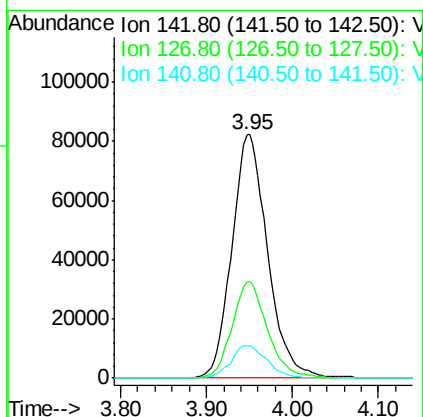
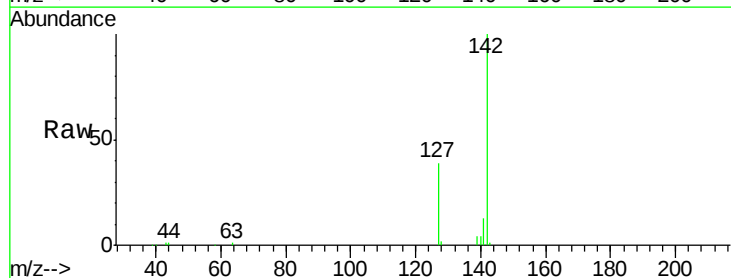
RT: 3.95 min Scan# 676

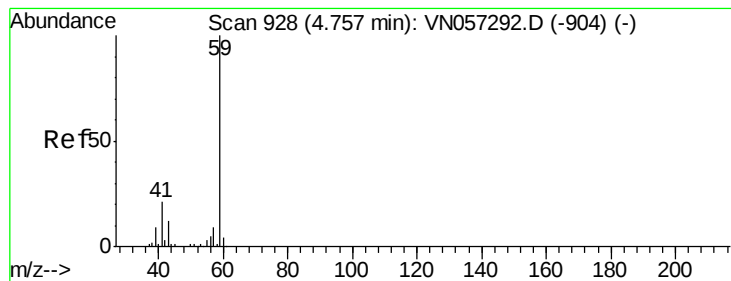
Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Tgt Ion:	142	Resp:	237311
Ion Ratio	Lower	Upper	
142	100		
127	39.1	31.6	47.4
141	13.5	11.2	16.8





#11

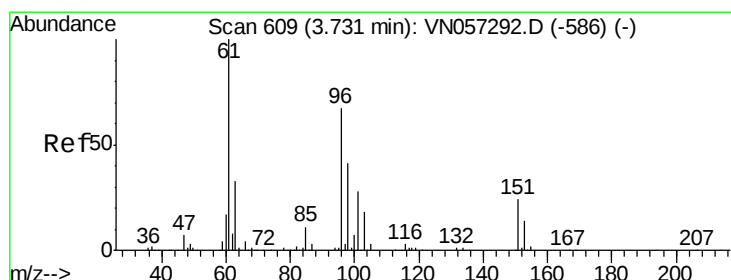
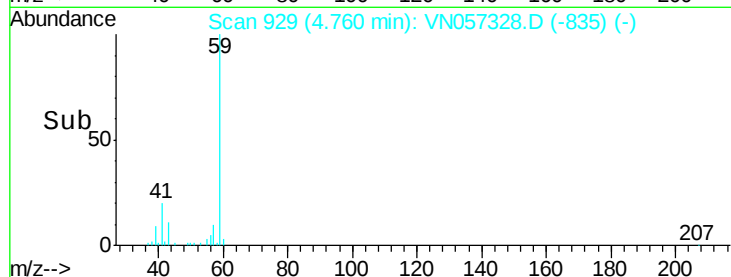
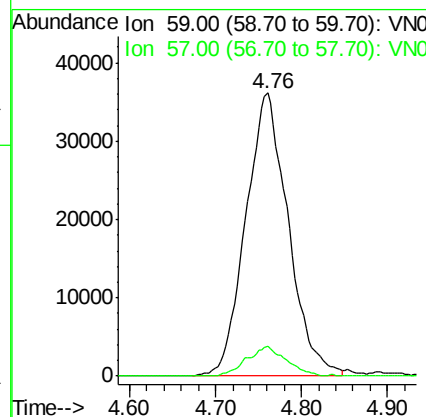
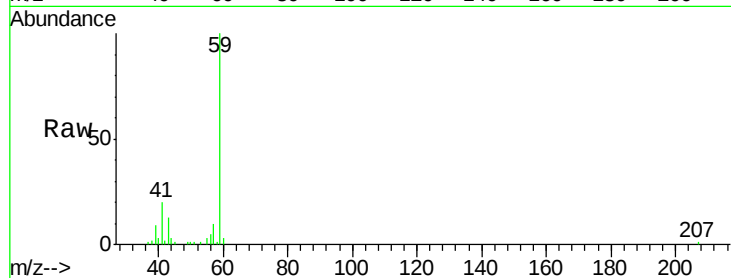
Tert butyl alcohol
Concen: 89.359 ug/l
RT: 4.76 min Scan# 929
Delta R.T. 0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	123863		
57	9.8		8.2	12.2

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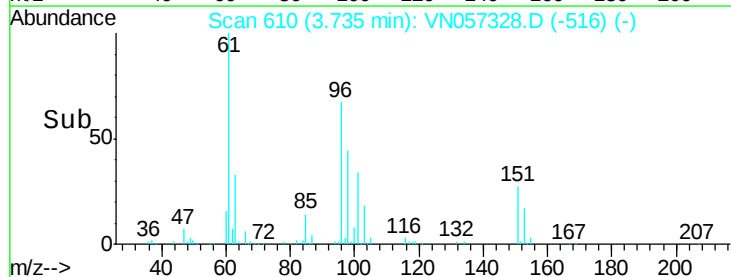
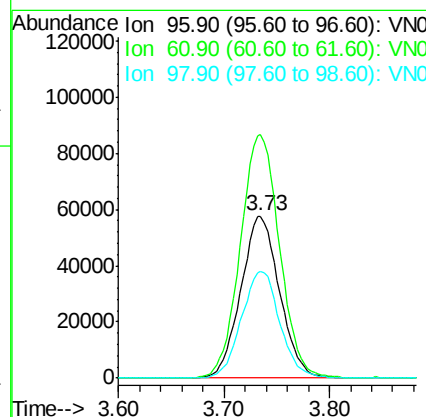
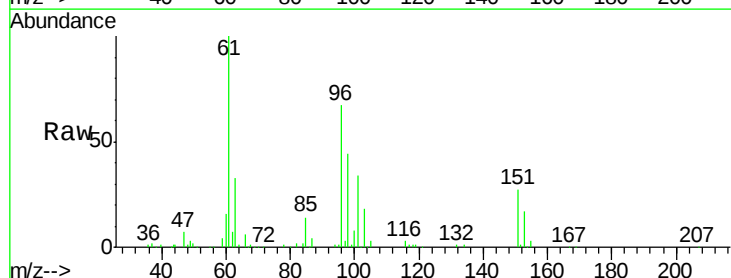
MMDadoda
8/19/2019 1:54:07 AM

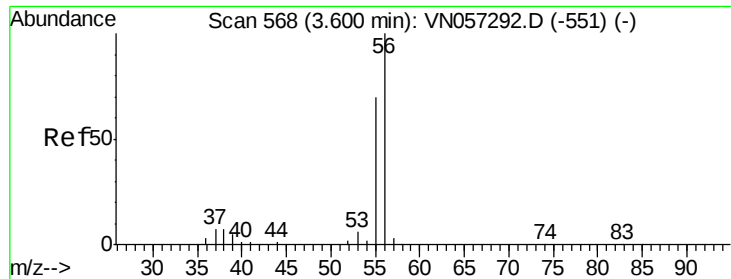


#12

1,1-Dichloroethene
Concen: 18.725 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	147353		
61	149.9		119.7	179.5
98	65.7		49.0	73.4





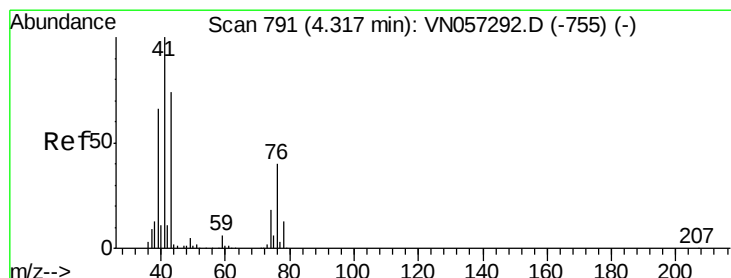
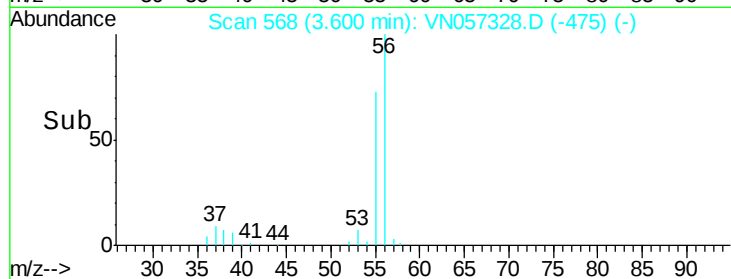
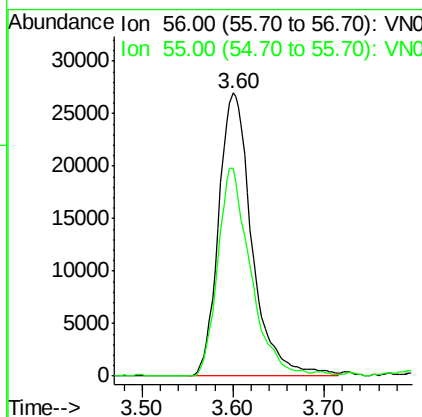
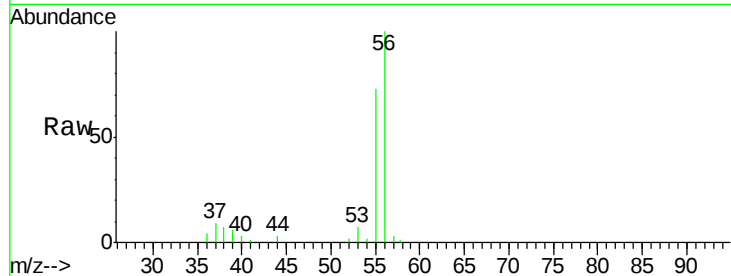
#13
Acrolein
Concen: 81.803 ug/l
RT: 3.60 min Scan# 568
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	56	100	68835		
55	55	71.9		56.6	84.8

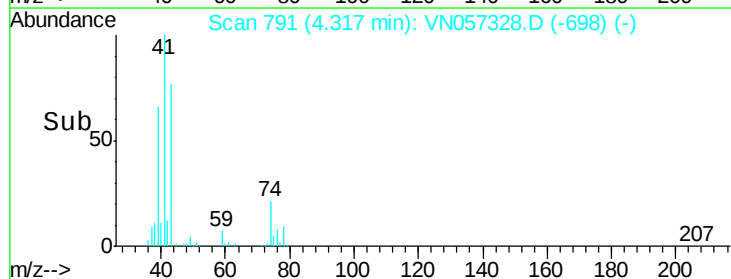
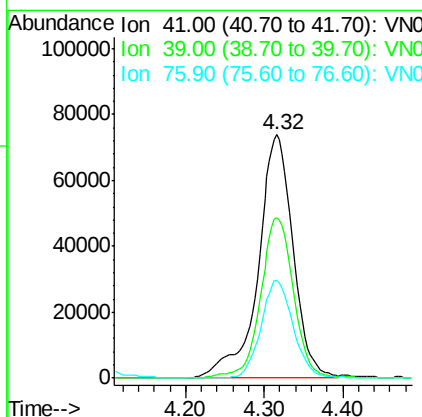
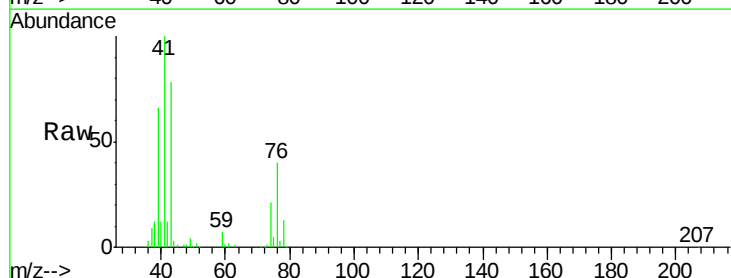
Manual Integrations
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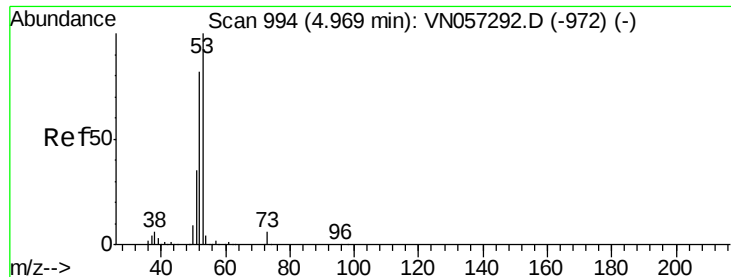
MMdadoda
8/19/2019 1:54:07 AM



#14
Allyl chloride
Concen: 18.299 ug/l
RT: 4.32 min Scan# 791
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
41	41	100	230823		
39	39	61.8		49.0	73.6
76	76	36.8		29.0	43.4





#15

Acrylonitrile

Concen: 92.221 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

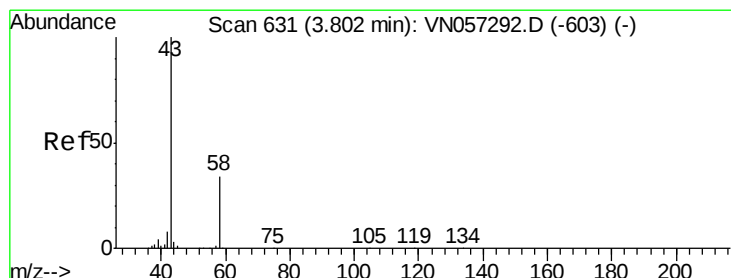
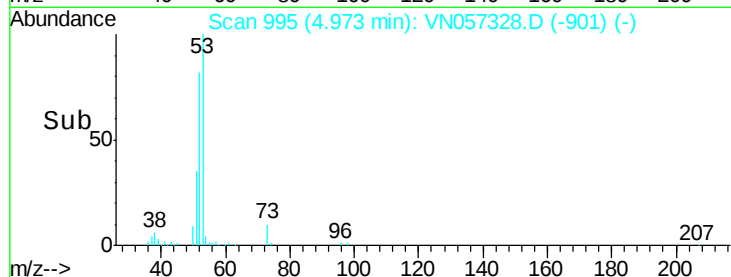
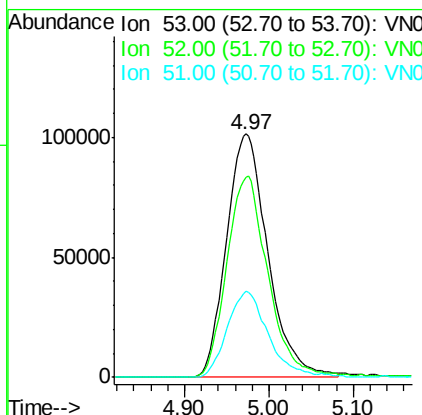
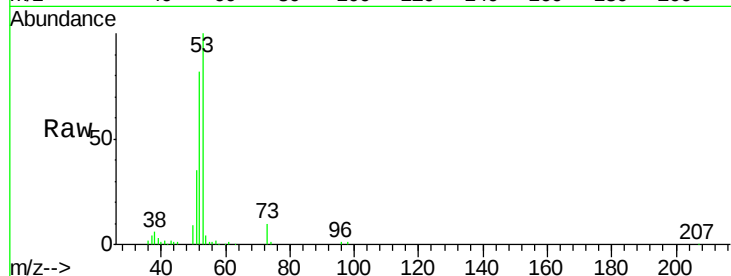
ClientSampleId :

VN0816MBS01

Tot Ion:	53	Resp:	347046
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.2
51	34.7	28.5	42.7

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#16

Acetone

Concen: 90.795 ug/l

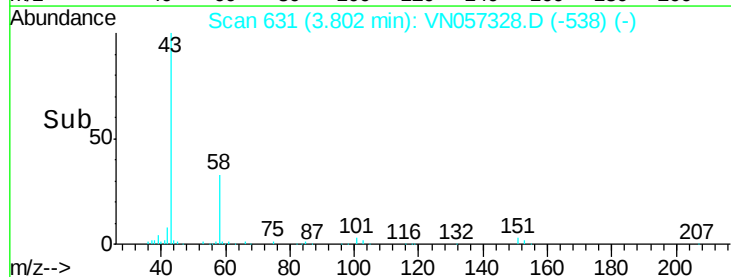
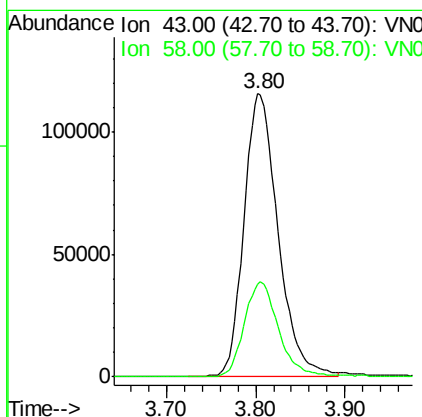
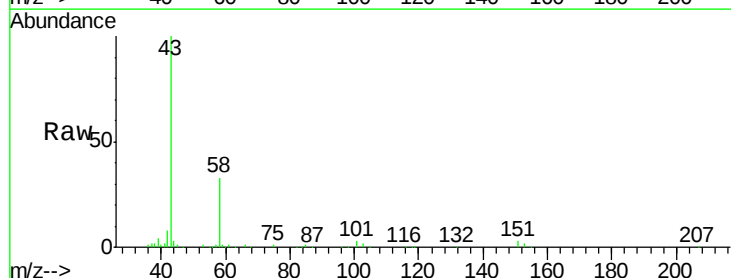
RT: 3.80 min Scan# 631

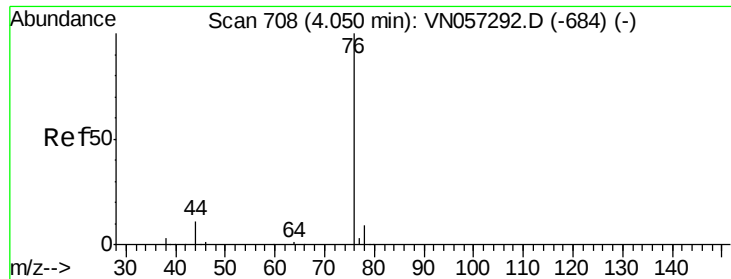
Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Tgt Ion:	43	Resp:	307100
Ion	Ratio	Lower	Upper
43	100		
58	32.7	27.0	40.6





#17

Carbon Disulfide

Concen: 17.560 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBS01

Tot Ion: 76 Resp: 372269

Ion Ratio Lower Upper

76 100

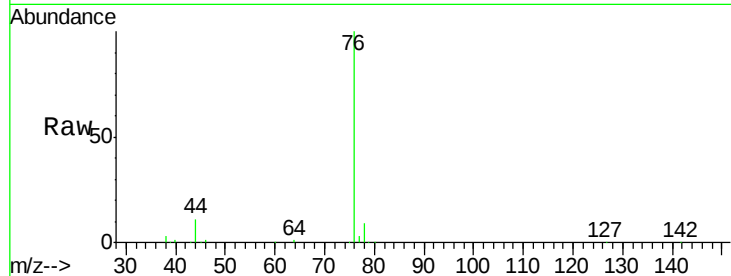
78 9.0 7.0 10.6

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

150000

100000

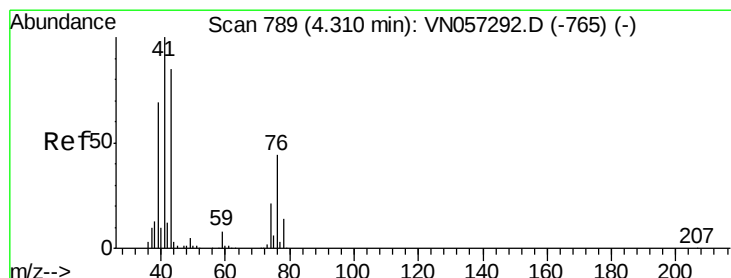
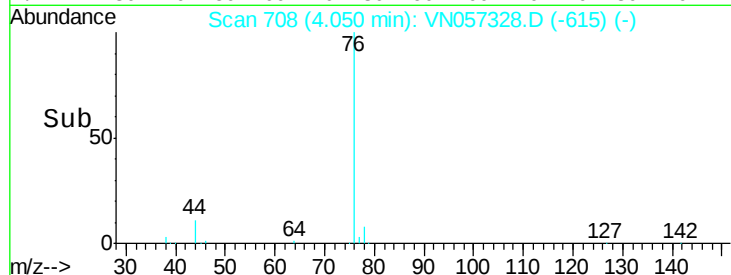
50000

0

4.05

4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 17.963 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN057328.D

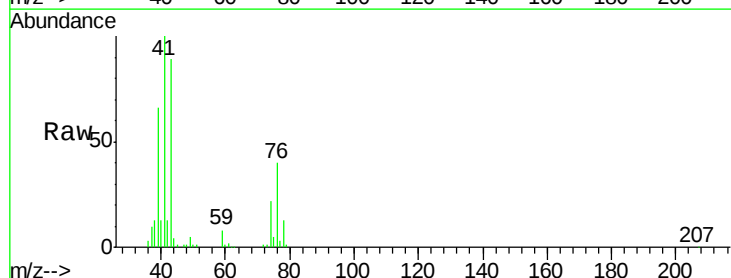
Acq: 15 Aug 2019 13:50

Tgt Ion: 43 Resp: 176354

Ion Ratio Lower Upper

43 100

74 26.7 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

60000

40000

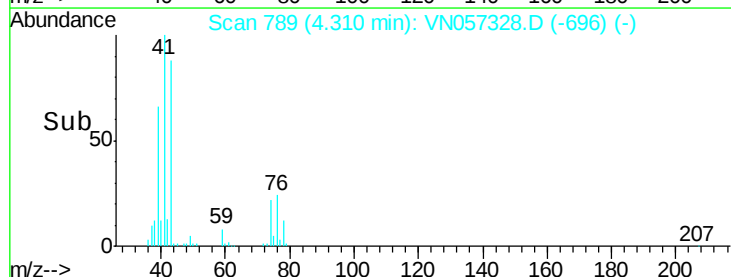
20000

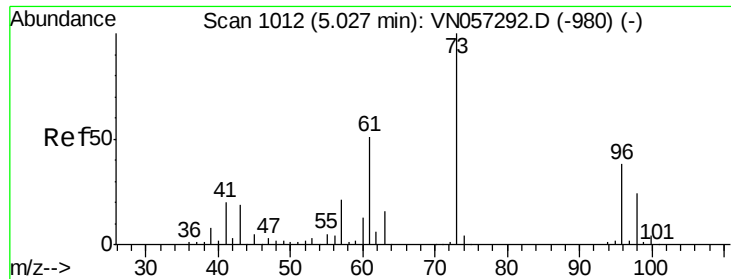
0

4.31

4.20 4.40

Time-->





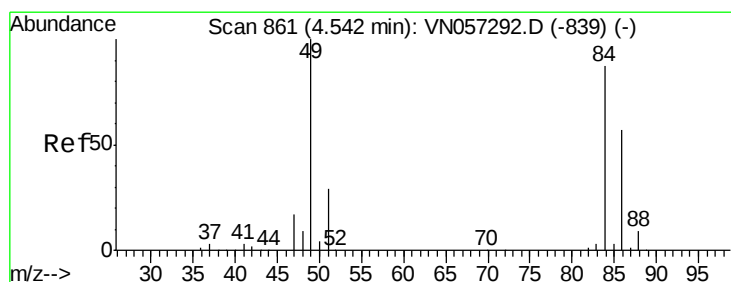
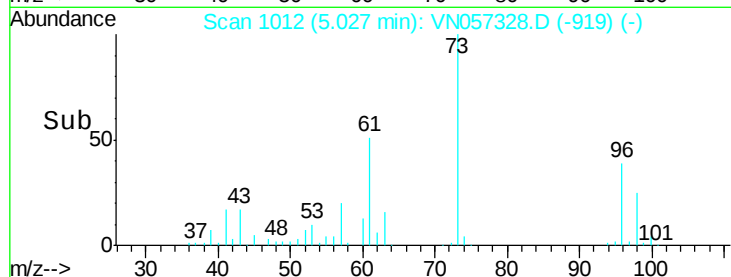
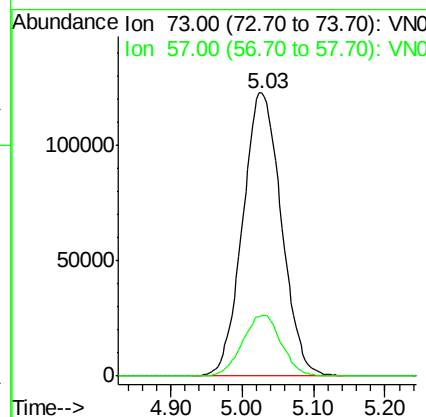
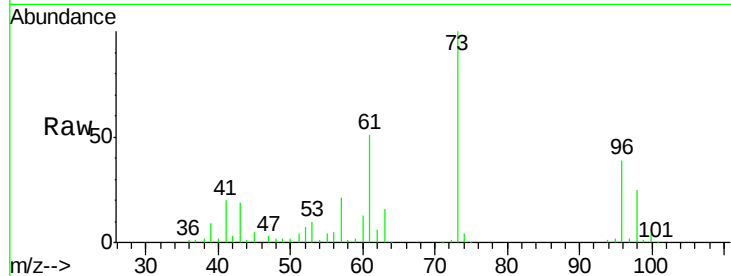
#19
Methyl tert-butyl Ether
Concen: 18.743 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tot Ion: 73 Resp: 462801
Ion Ratio Lower Upper
73 100
57 21.3 16.9 25.3

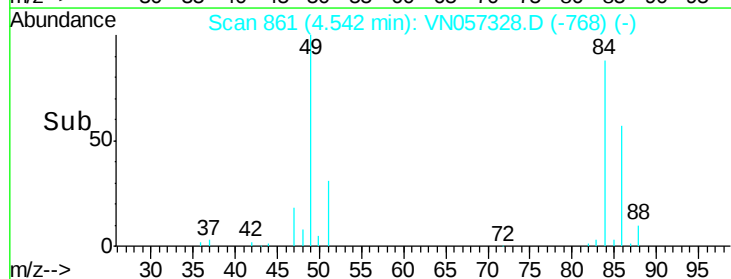
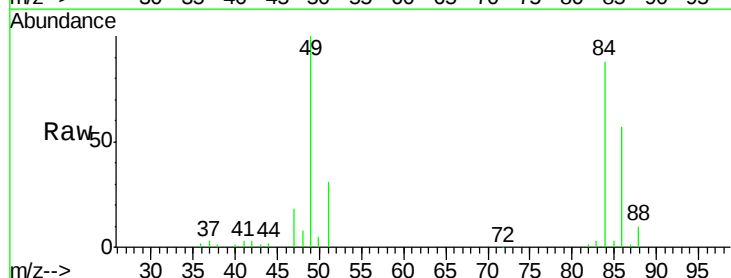
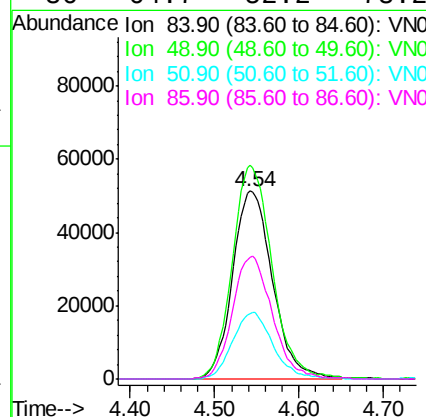
Manual Integrations
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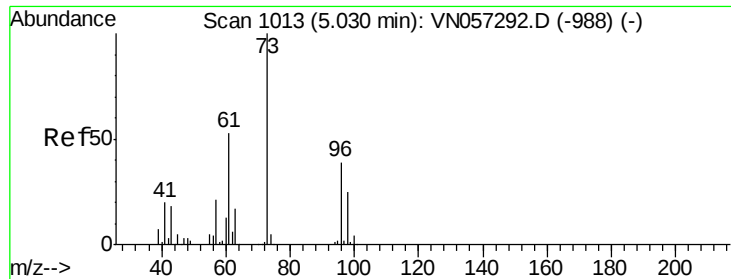
MMdadoda
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#20
Methylene Chloride
Concen: 17.899 ug/l
RT: 4.54 min Scan# 861
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Tgt Ion: 84 Resp: 169386
Ion Ratio Lower Upper
84 100
49 113.4 92.0 138.0
51 35.0 27.1 40.7
86 64.7 52.2 78.2





#21

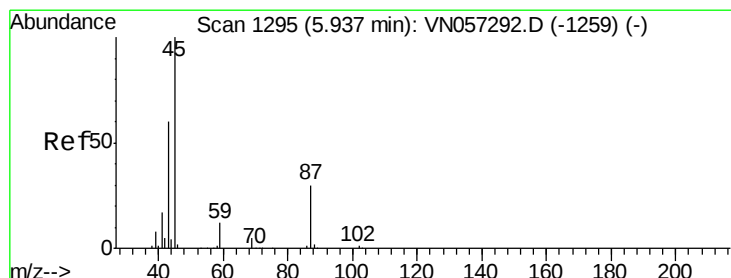
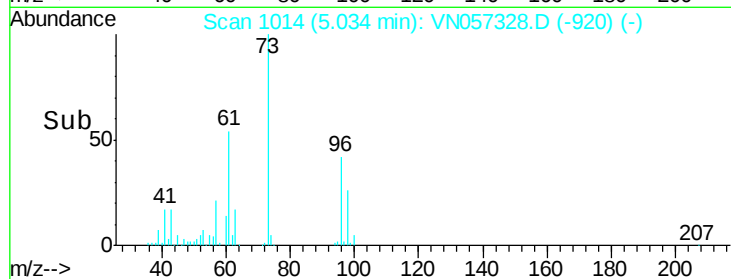
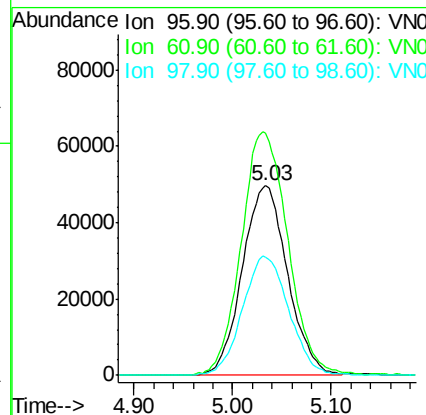
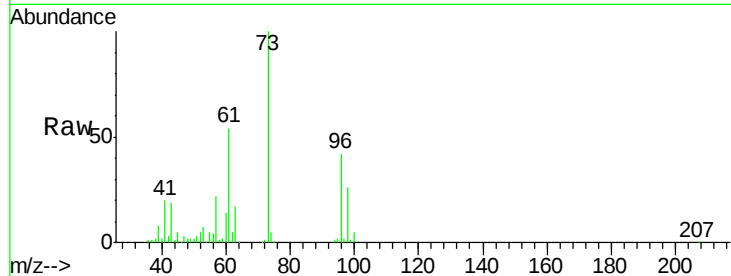
trans-1,2-Dichloroethene
Concen: 18.689 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	128.1	109.5	164.3
98	62.2	51.0	76.6

Manual Integrations
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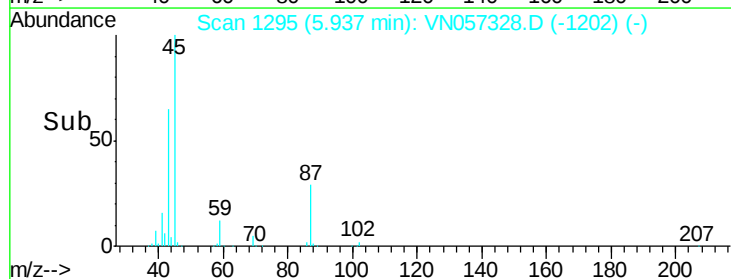
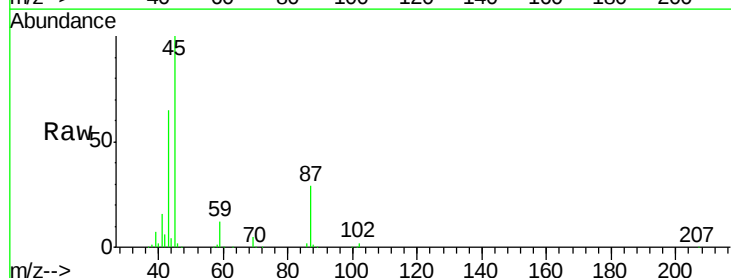
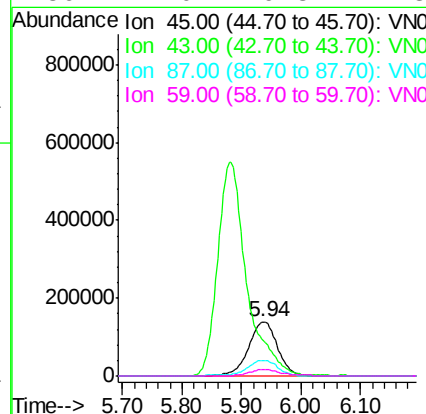
MMDadoda
8/19/2019 1:54:07 AM

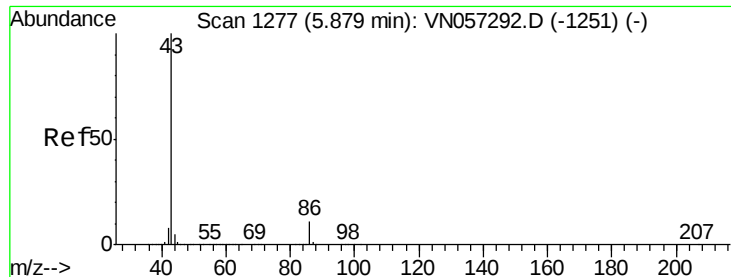


#22

Diisopropyl ether
Concen: 19.031 ug/l
RT: 5.94 min Scan# 1295
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.2	48.3	72.5
87	28.8	24.6	36.8
59	12.0	9.8	14.8





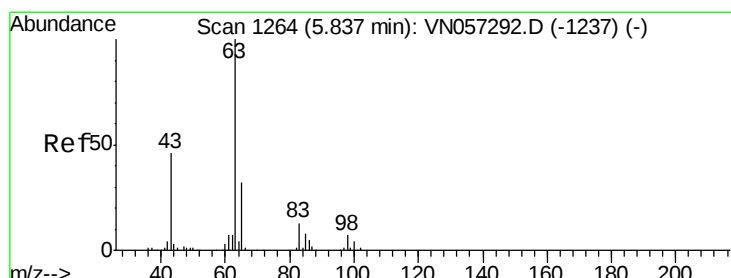
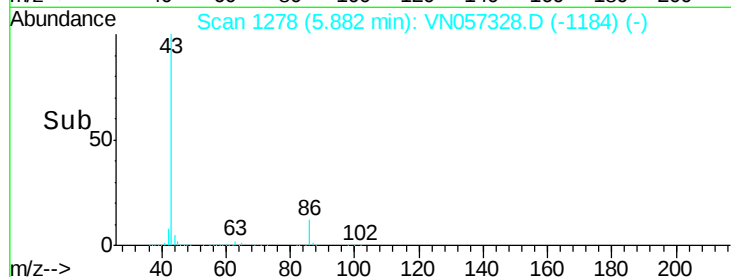
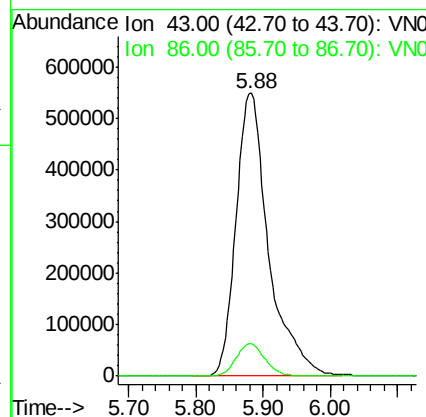
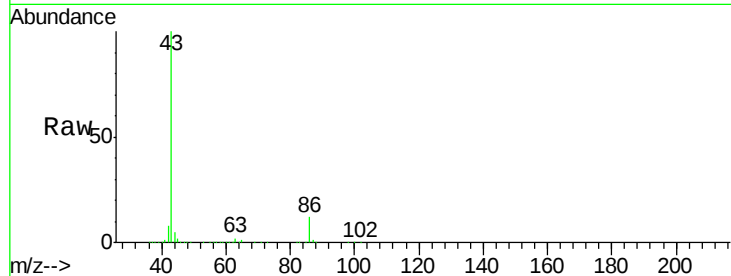
#23
 Vinyl Acetate
 Concen: 92.360 ug/l
 RT: 5.88 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816MBS01

Tot Ion: 43 Resp: 1852229
 Ion Ratio Lower Upper
 43 100
 86 11.6 8.7 13.1

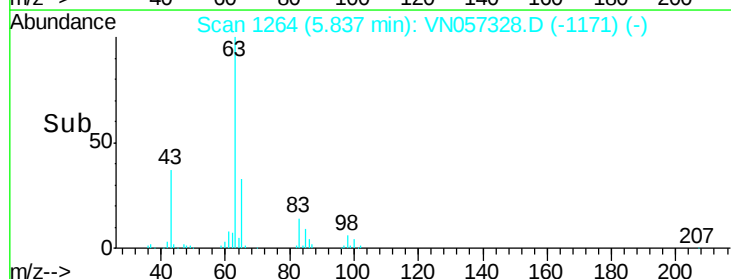
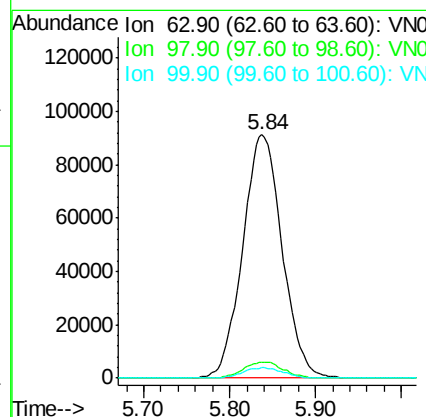
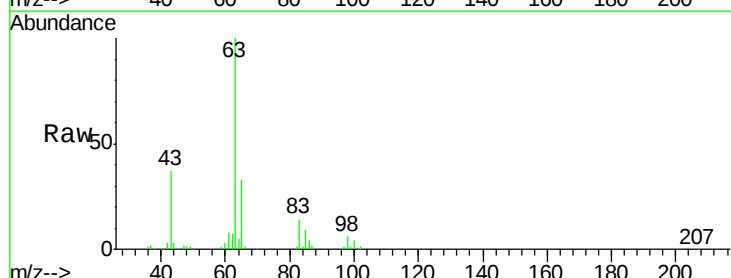
Manual Integrations
 APPROVED

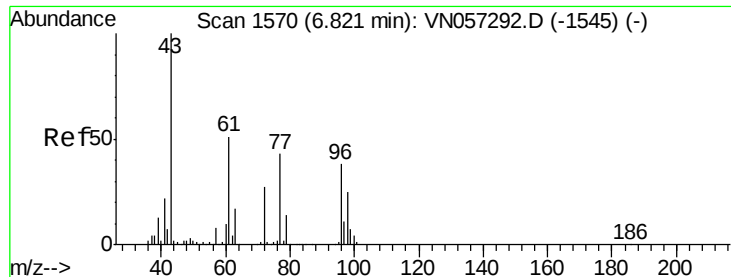
MMdadoda
 8/19/2019 1:54:07 AM



#24
 1,1-Dichloroethane
 Concen: 18.950 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. -0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Tgt Ion: 63 Resp: 290519
 Ion Ratio Lower Upper
 63 100
 98 6.4 3.3 9.9
 100 4.2 2.1 6.5





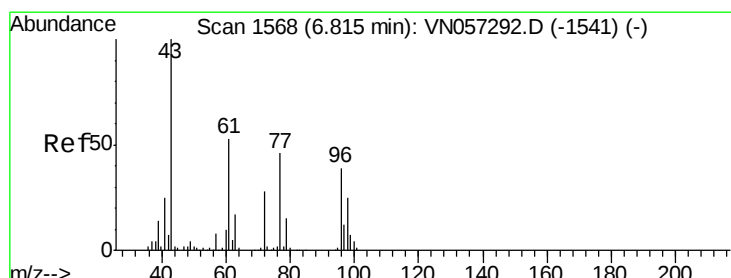
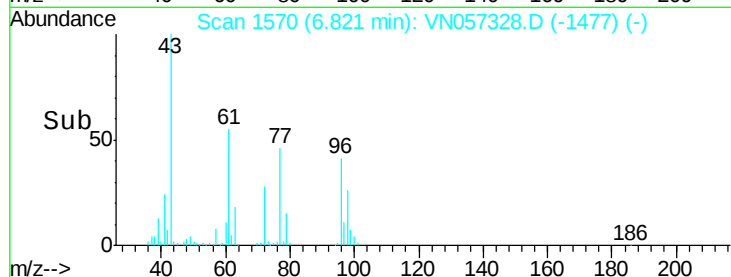
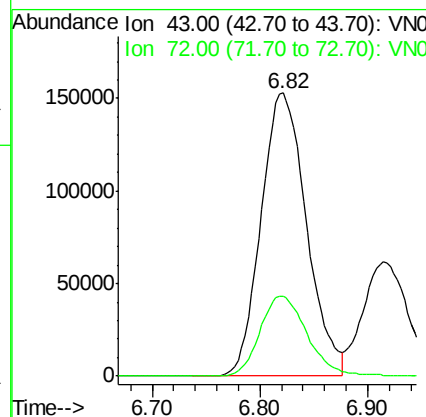
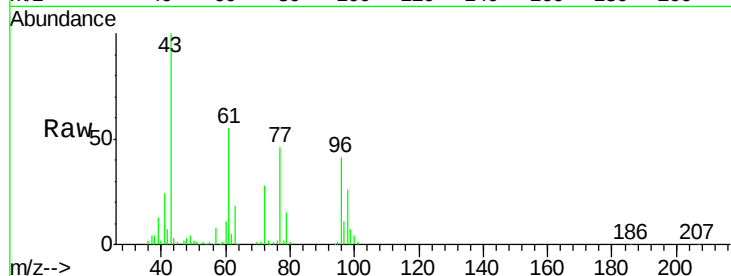
#25
2-Butanone
Concen: 90.888 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tot Ion: 43 Resp: 445169
Ion Ratio Lower Upper
43 100
72 28.4 21.5 32.3

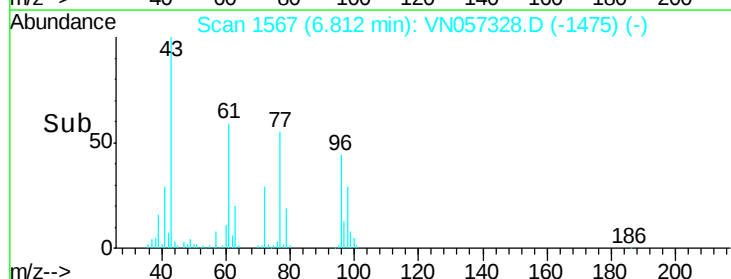
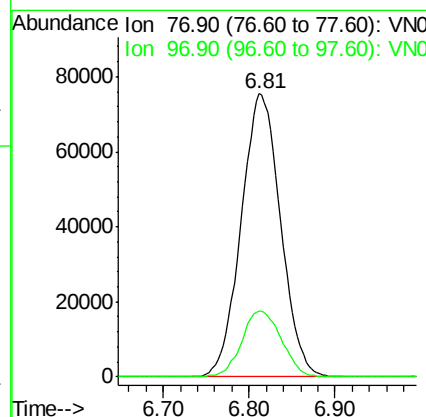
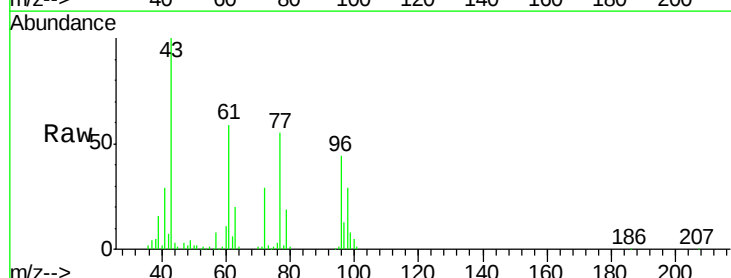
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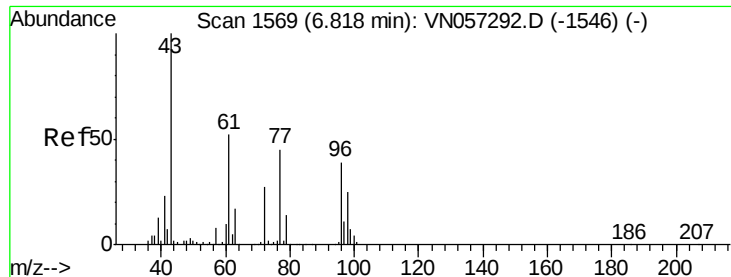
MMdadoda
8/19/2019 1:54:07 AM



#26
2,2-Dichloropropane
Concen: 19.392 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Tgt Ion: 77 Resp: 240261
Ion Ratio Lower Upper
77 100
97 23.5 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 18.866 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. 0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

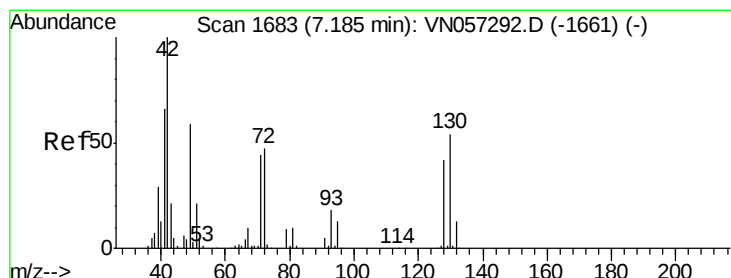
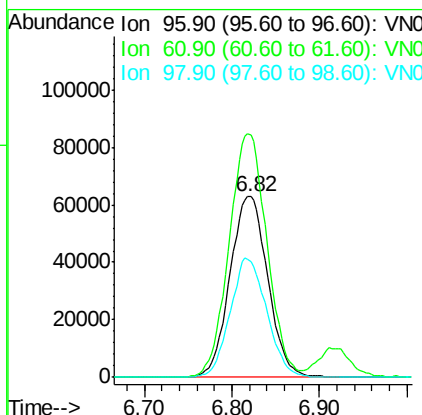
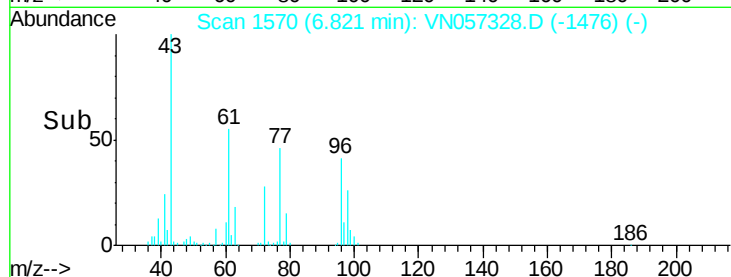
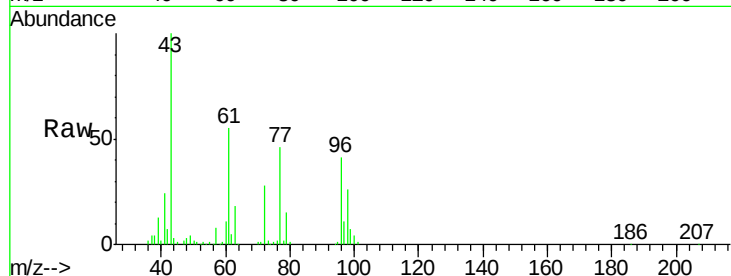
ClientSampleId :

VN0816MBS01

Tot Ion:	96	Resp:	189009
Ion Ratio	Lower	Upper	
96	100		
61	134.2	0.0	272.0
98	63.8	0.0	130.4

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#28

Bromochloromethane

Concen: 19.656 ug/l

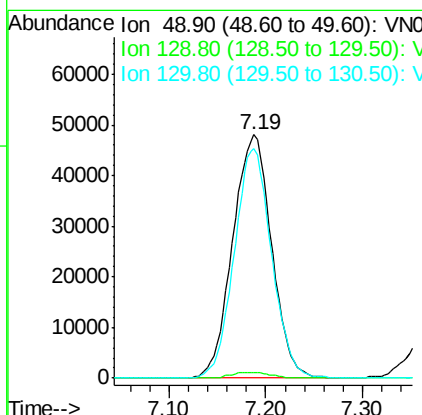
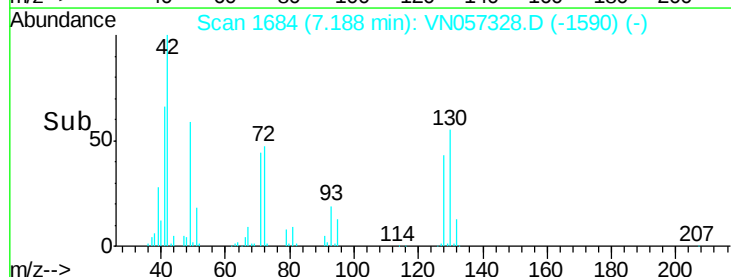
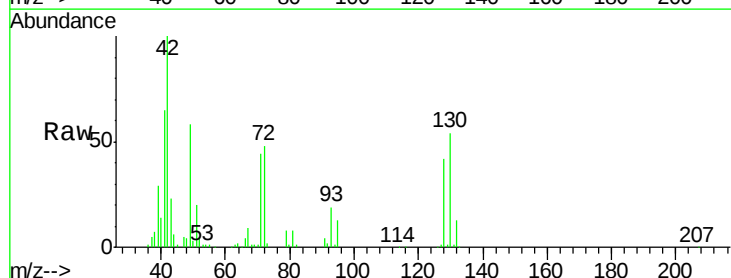
RT: 7.19 min Scan# 1684

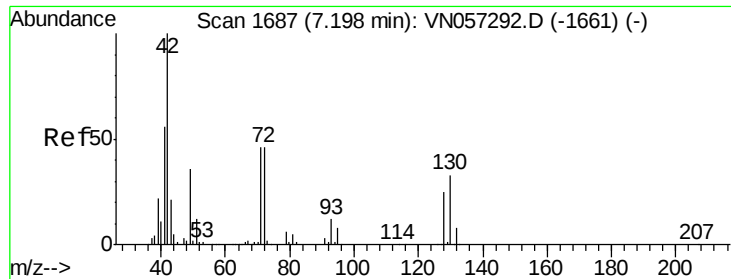
Delta R.T. 0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Tgt Ion:	49	Resp:	133892
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	2.0
130	90.7	73.2	109.8





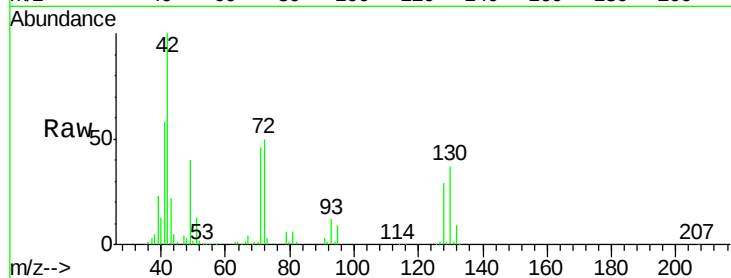
#29
Tetrahydrofuran
Concen: 90.343 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

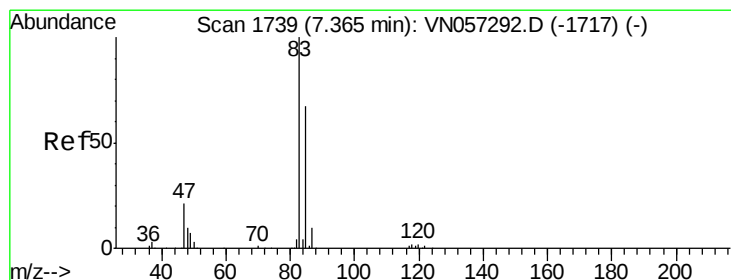
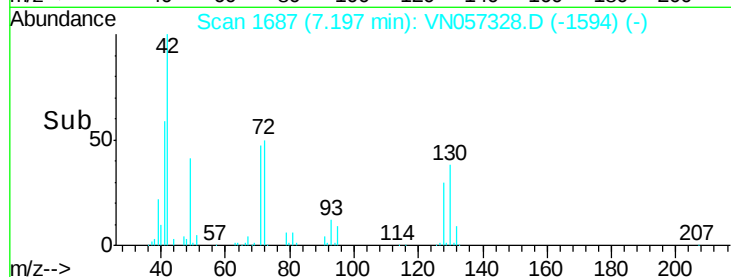
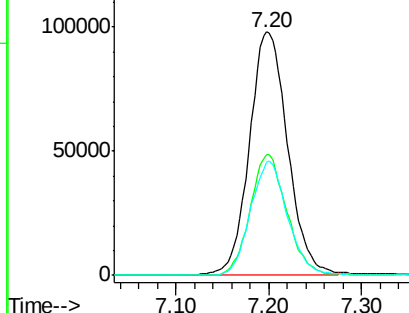
Tot Ion	Ratio	Lower	Upper
42	100		
72	47.8	37.8	56.6
71	45.6	35.7	53.5

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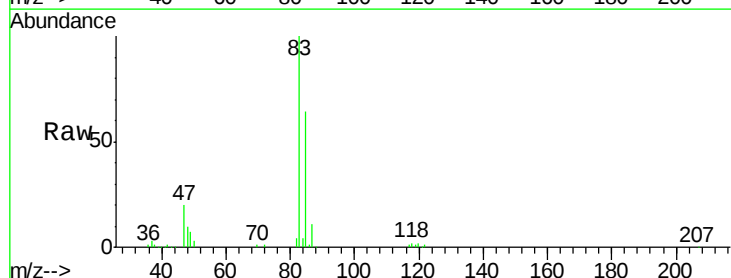


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

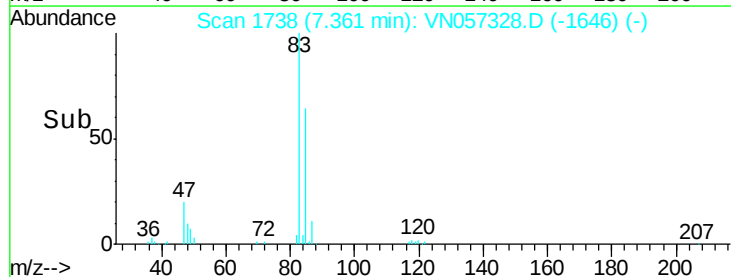
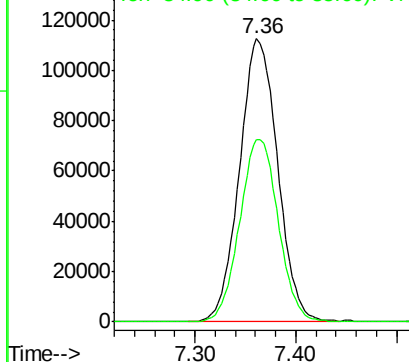


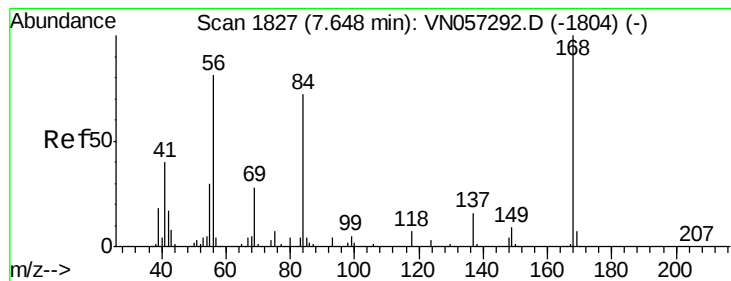
#30
Chloroform
Concen: 18.381 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	53.3	79.9



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.670 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBS01

Tot Ion: 56 Resp: 248040

Ion Ratio Lower Upper

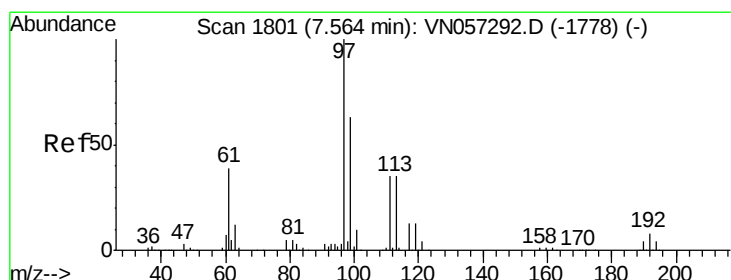
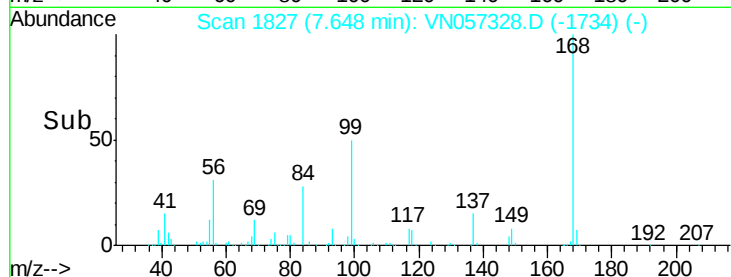
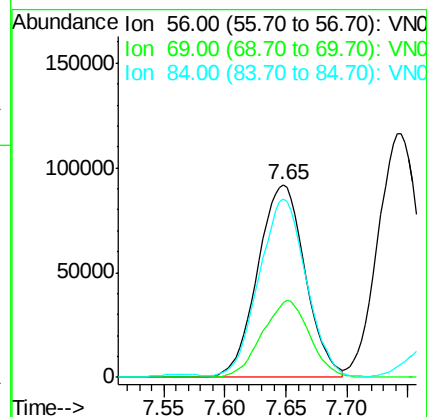
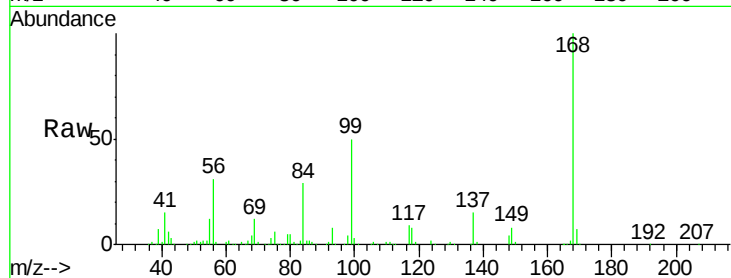
56 100

69 38.4 27.3 40.9

84 91.0 71.0 106.6

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#32

1,1,1-Trichloroethane

Concen: 18.878 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

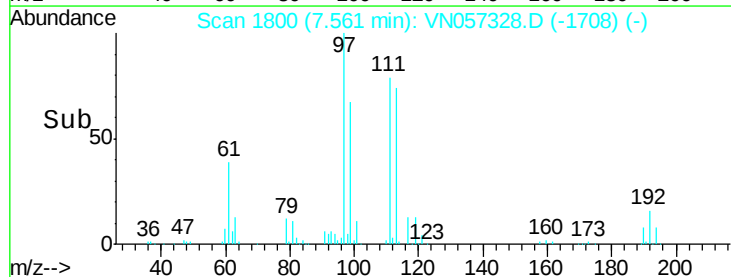
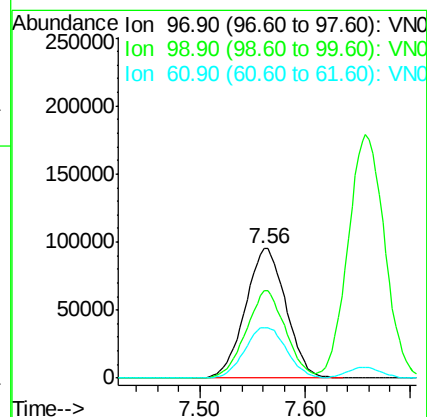
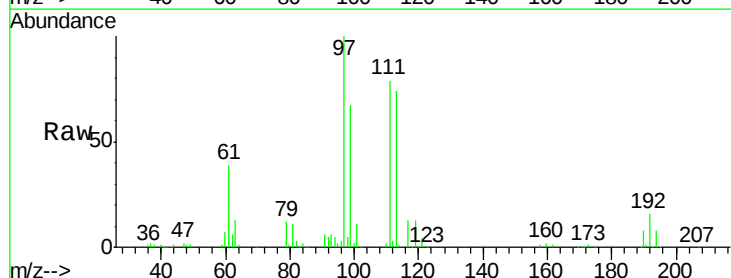
Tgt Ion: 97 Resp: 255097

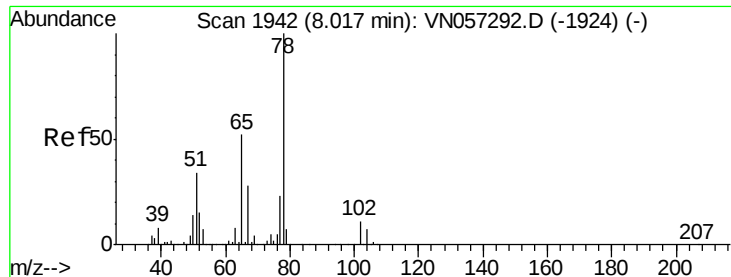
Ion Ratio Lower Upper

97 100

99 65.4 50.3 75.5

61 40.2 31.3 46.9





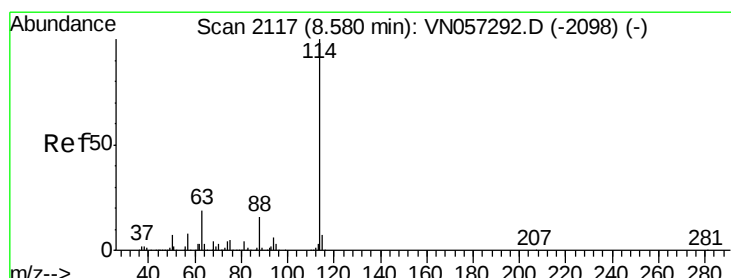
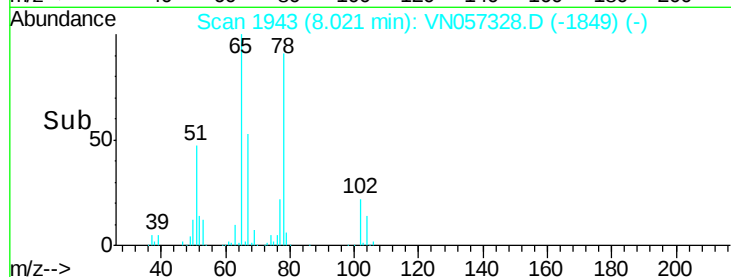
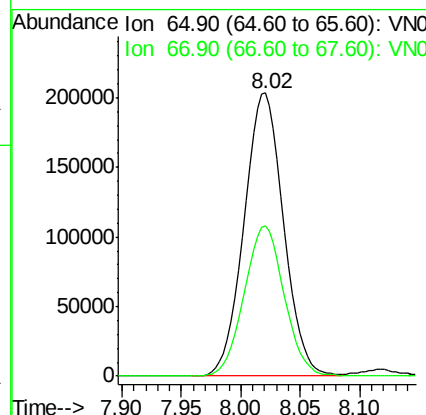
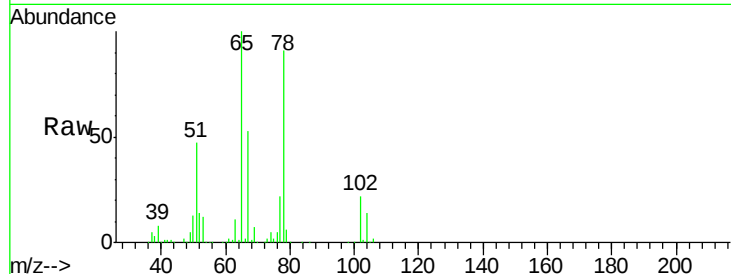
#33
 1,2-Dichloroethane-d4
 Concen: 48.030 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816MBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	468302		
67	53.6	0.0	107.4	

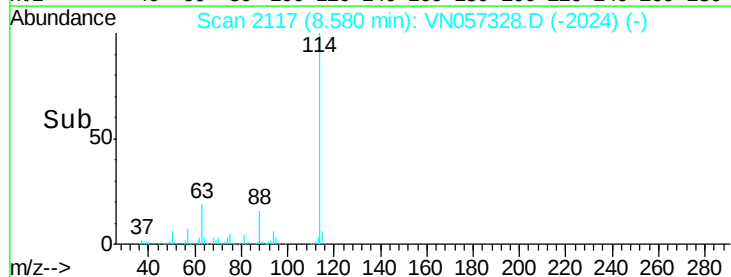
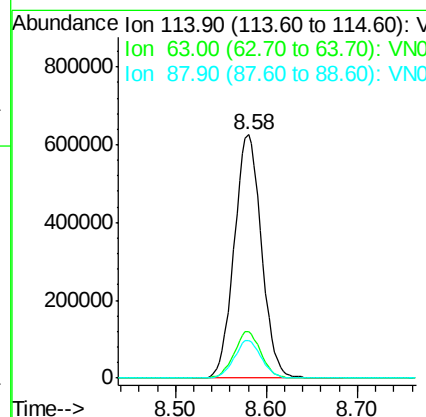
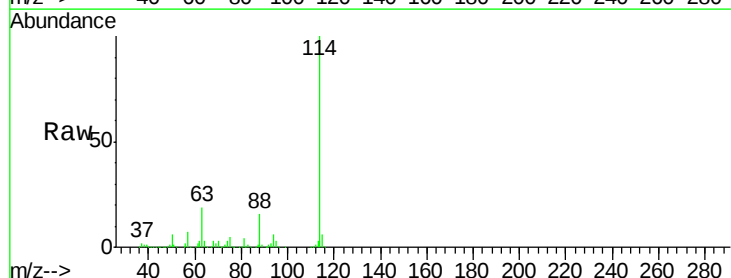
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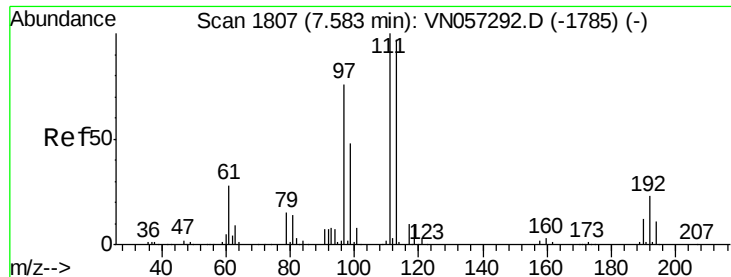
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 8/19/2019 1:54:07 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1300786		
63	18.9	0.0	38.8	
88	15.6	0.0	31.4	





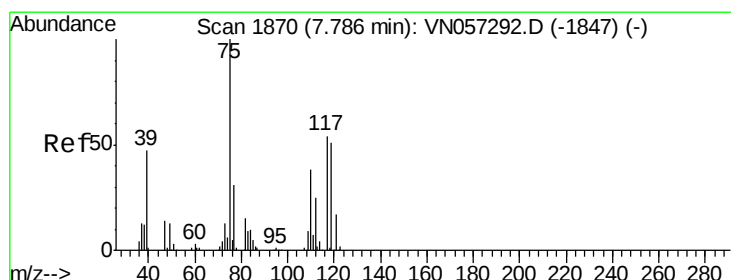
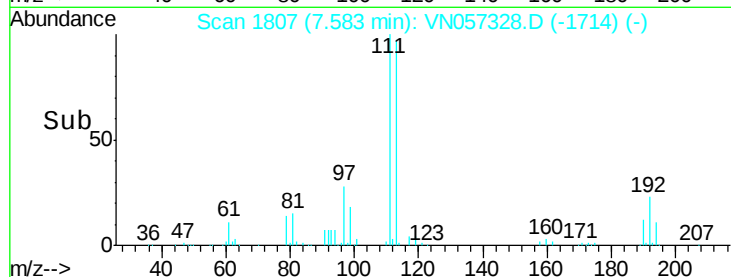
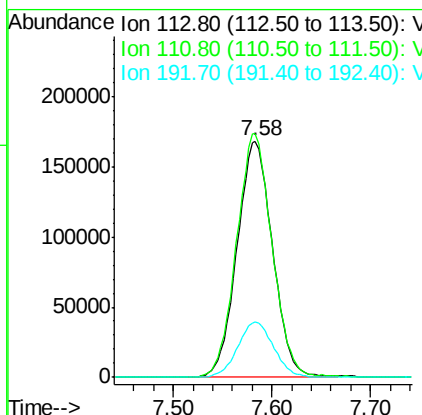
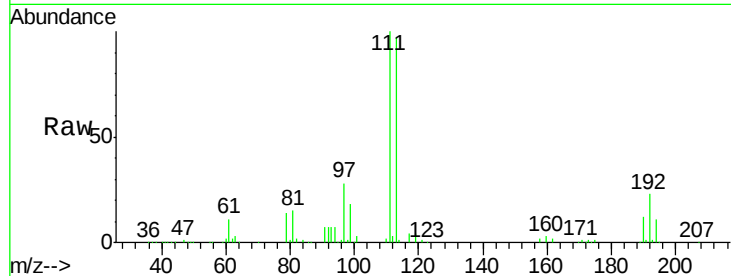
#35
 Dibromofluoromethane
 Concen: 49.193 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816MBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	419462		
111	102.9	82.1	123.1	
192	23.7	19.3	28.9	

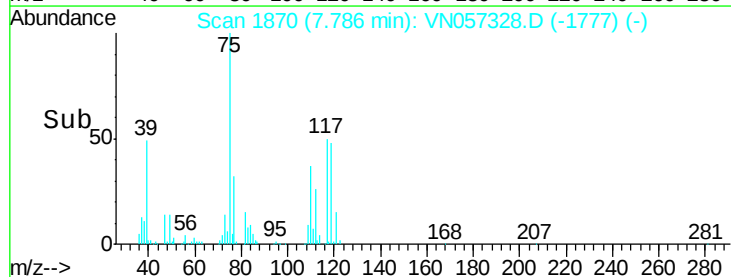
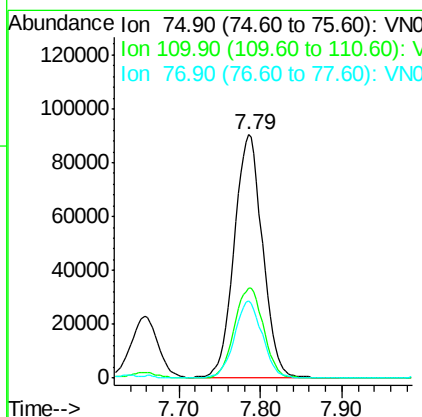
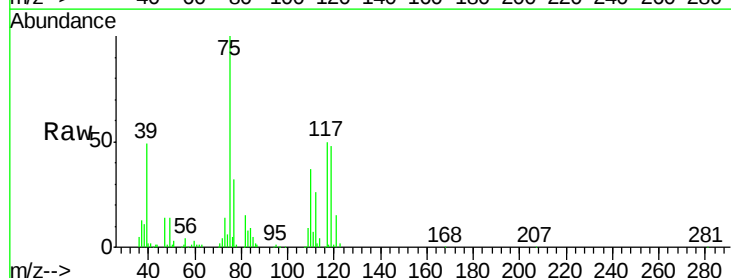
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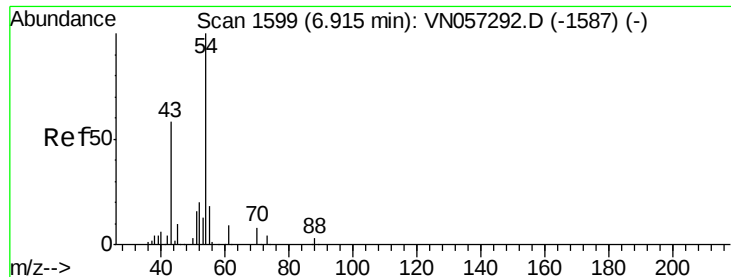
MMDadoda
 8/19/2019 1:54:07 AM



#36
 1,1-Dichloropropene
 Concen: 19.064 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	218956		
110	38.1	19.5	58.5	
77	31.1	25.0	37.6	





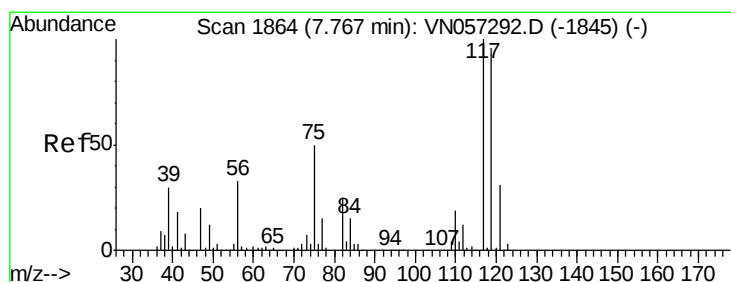
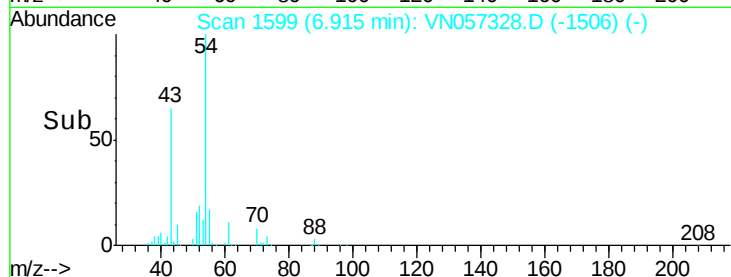
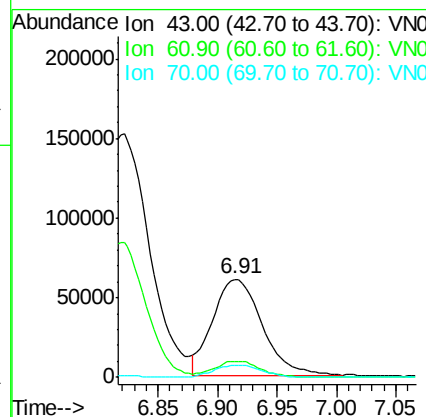
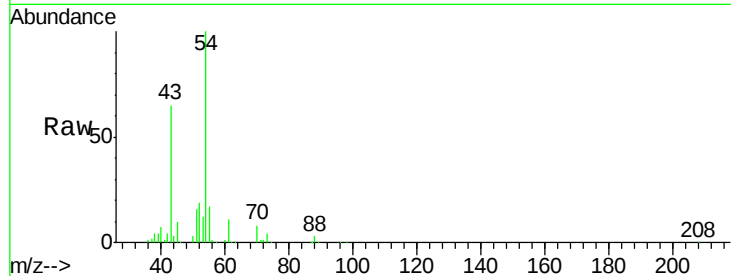
#37
Ethyl Acetate
Concen: 18.718 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	12.0	18.0
70	12.2	9.2	13.8

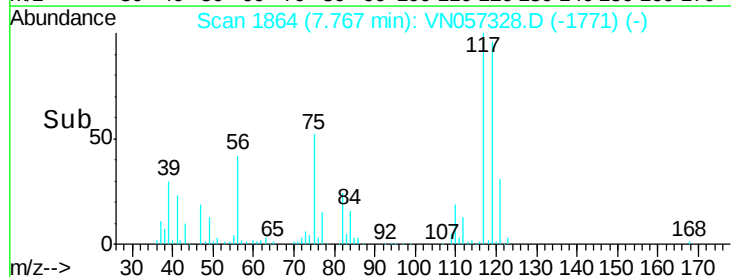
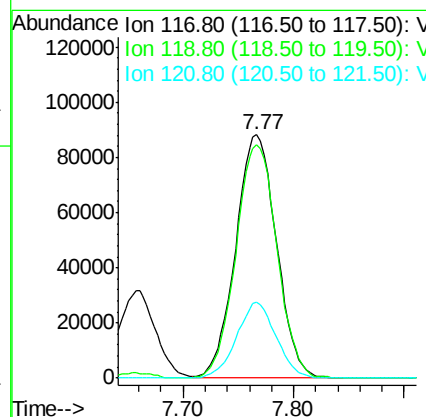
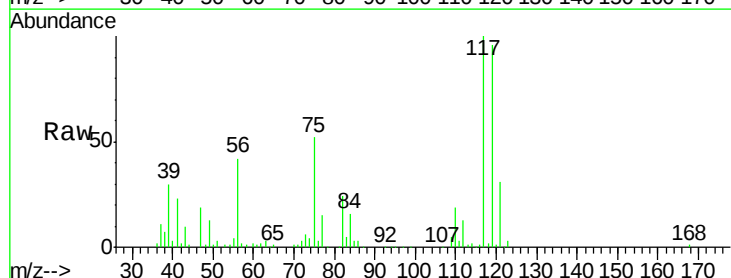
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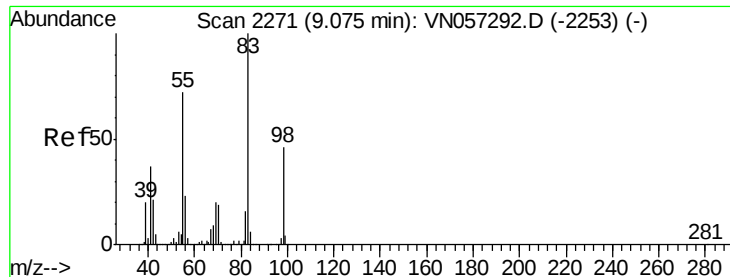
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#38
Carbon Tetrachloride
Concen: 18.988 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.8	115.2
121	31.2	25.0	37.4





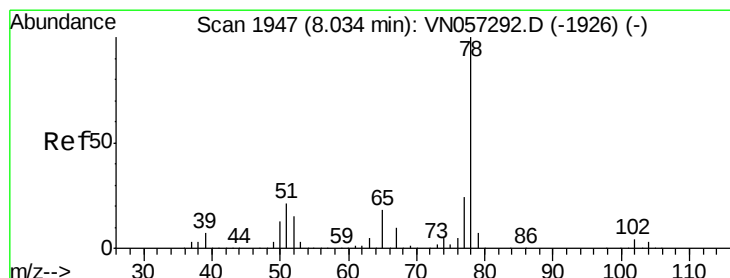
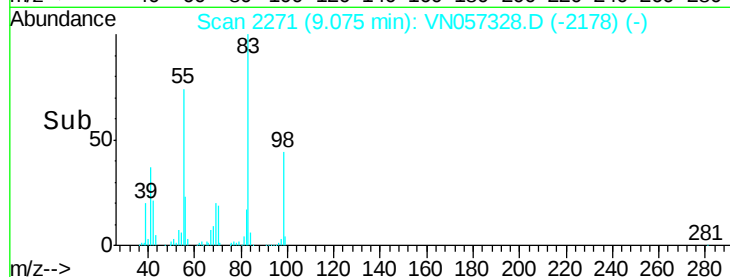
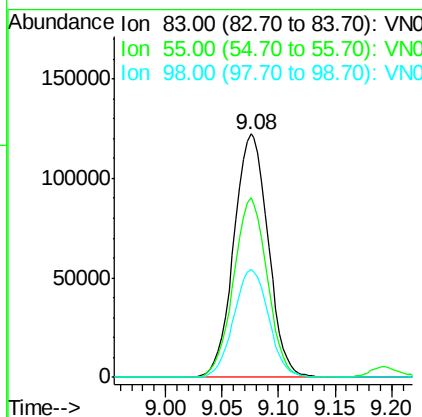
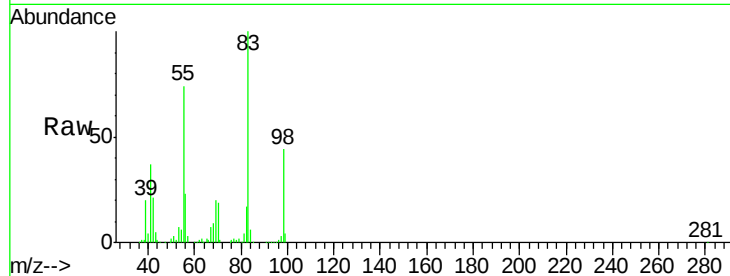
#39
Methvlcvclohexane
Concen: 19.261 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.7	57.5	86.3
98	44.3	36.6	55.0

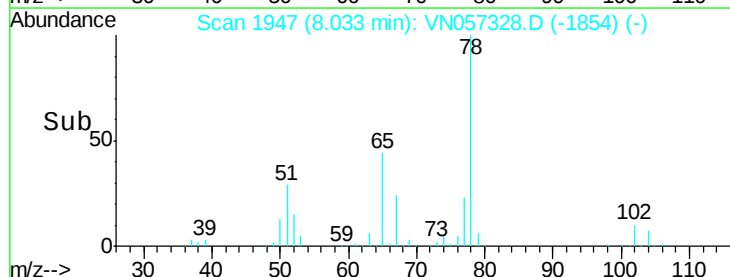
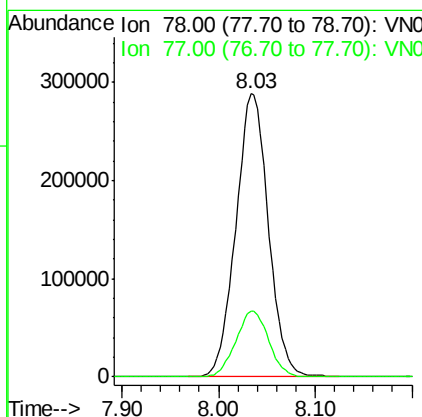
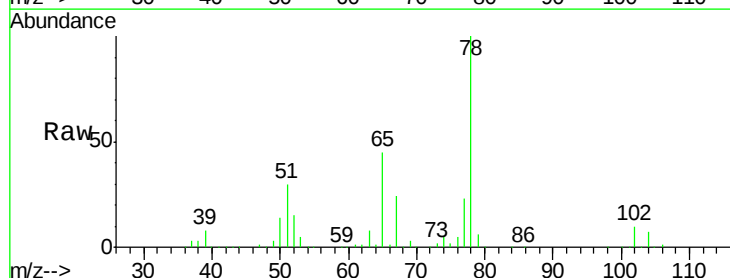
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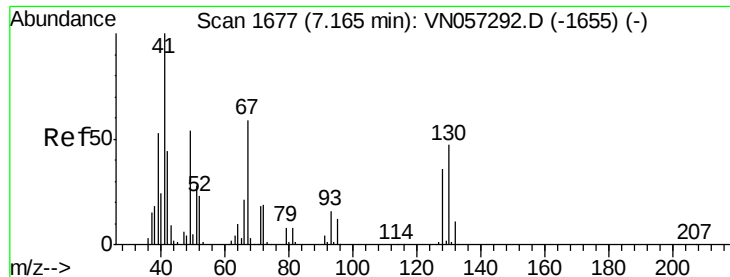
MMdadoda
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#40
Benzene
Concen: 19.134 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.1	28.7





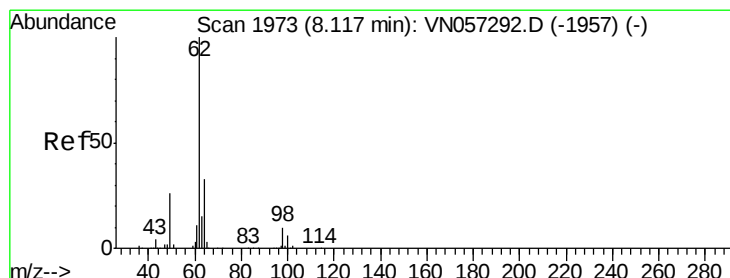
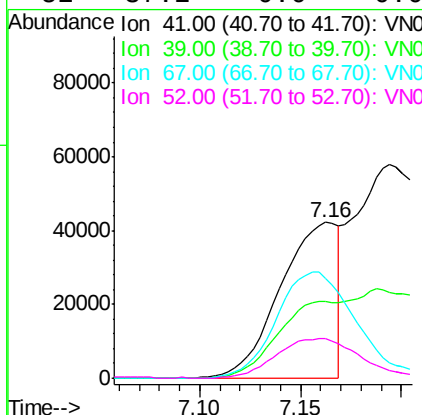
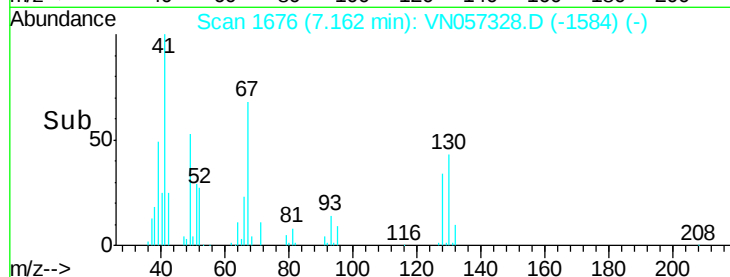
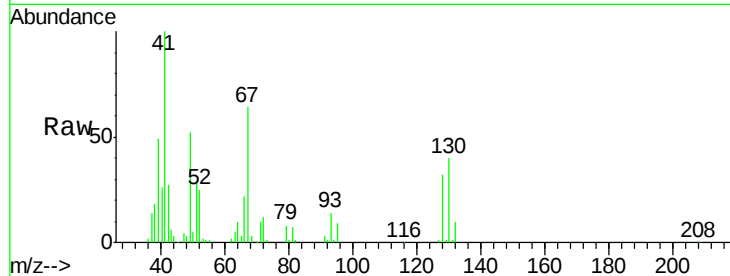
#41
Methacrylonitrile
Concen: 19.814 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tot Ion	Ion	Ratio	Resp Lower	Upper
41	100			
39	0.0	0.0	0.0	
67	94.6	0.0	0.0	0.0#
52	37.2	0.0	0.0	0.0#

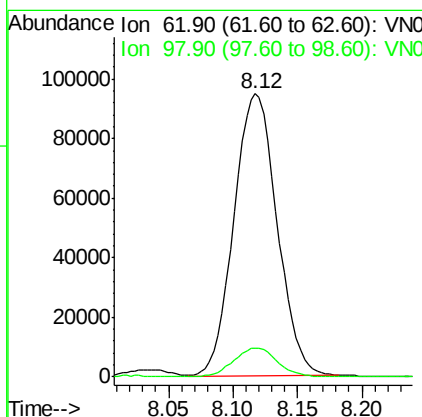
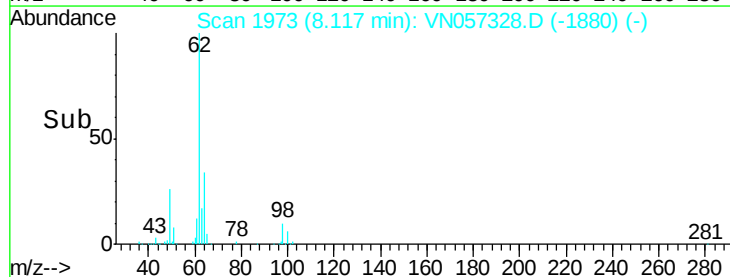
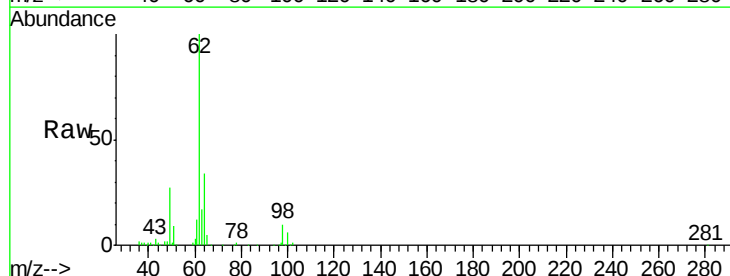
Manual Integrations
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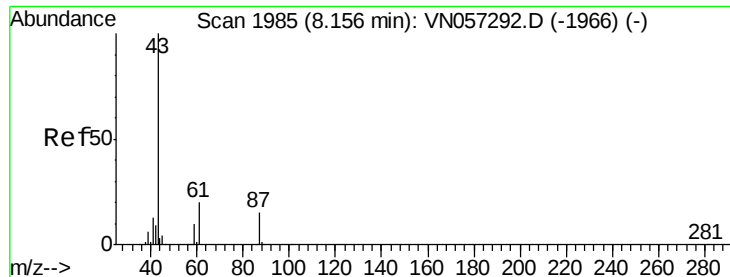
MMDadoda
8/19/2019 1:54:07 AM



#42
1,2-Dichloroethane
Concen: 18.973 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Tgt Ion	Ion	Ratio	Resp Lower	Upper
62	100			
98	10.4	0.0	19.4	





#43

Isopropyl Acetate

Concen: 18.143 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

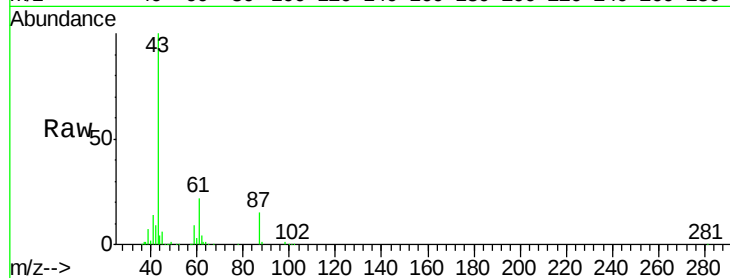
ClientSampleId :

VN0816MBS01

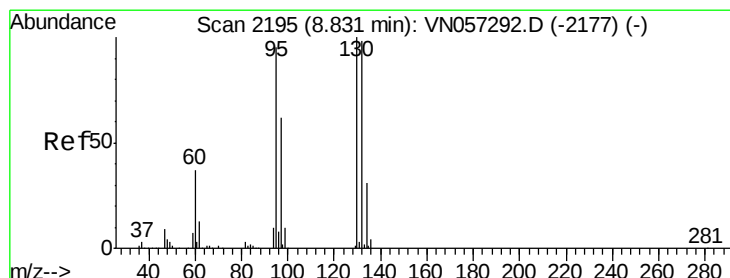
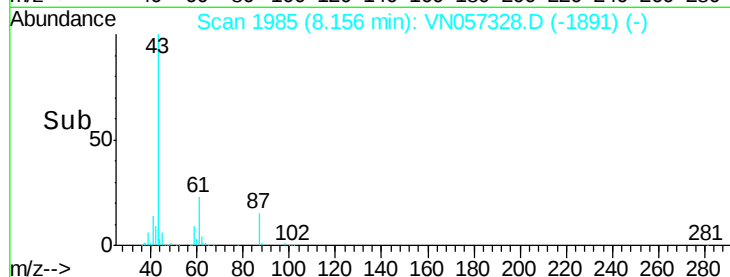
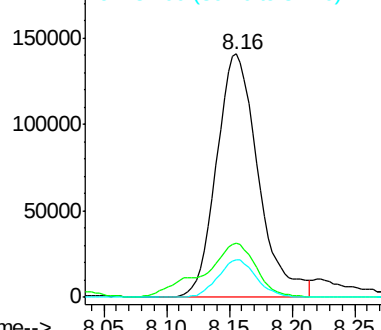
Tot Ion:	43	Resp:	324481
Ion Ratio	Lower	Upper	
43	100		
61	27.6	21.6	32.4
87	14.5	11.4	17.0

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN057328.D (-1966) (-)



#44

Trichloroethene

Concen: 19.295 ug/l

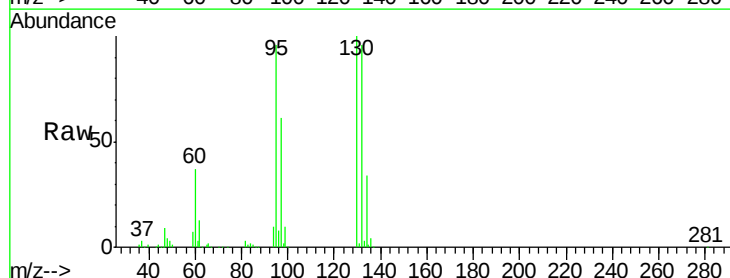
RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

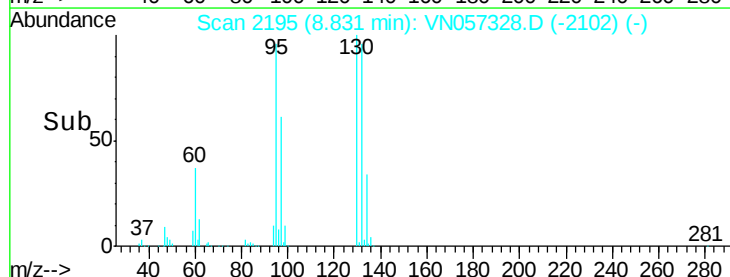
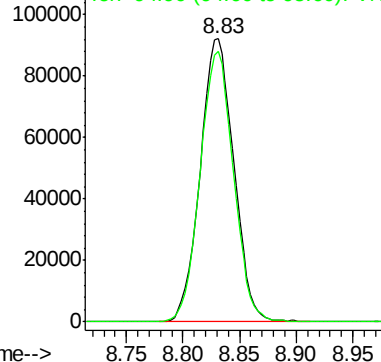
Lab File: VN057328.D

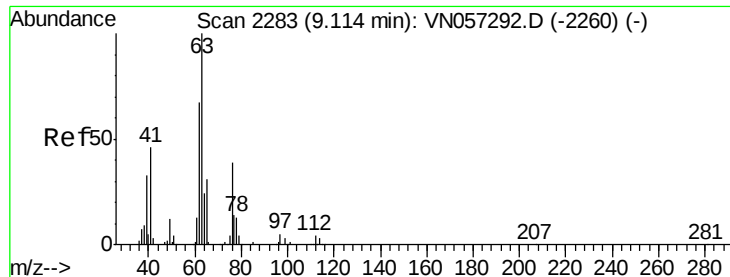
Acq: 15 Aug 2019 13:50

Tgt Ion:	130	Resp:	190564
Ion Ratio	Lower	Upper	
130	100		
95	95.7	0.0	189.2



Abundance Ion 129.80 (129.50 to 130.50): VN057328.D (-2177) (-)





#45

1,2-Dichloropropane

Concen: 19.237 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBS01

Tot Ion: 63 Resp: 174189

Ion Ratio Lower Upper

63 100

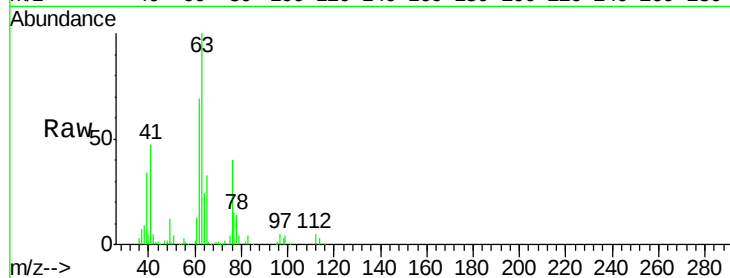
65 33.0 24.8 37.2

Manual Integrations

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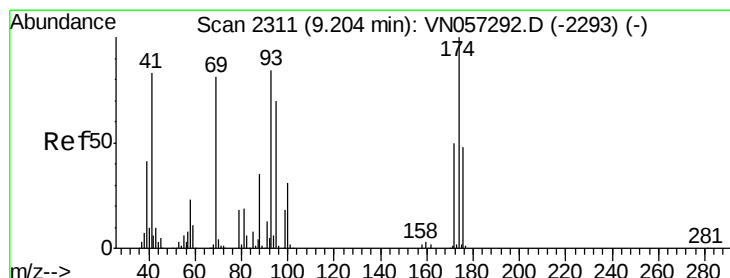
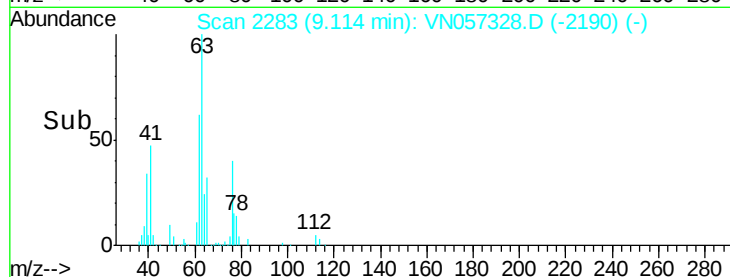
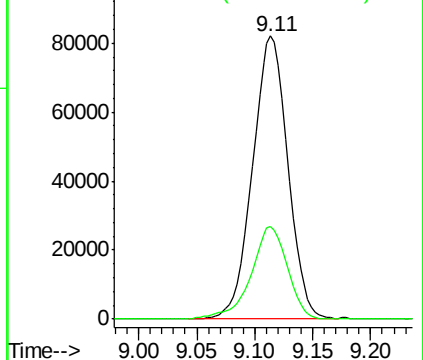
MMdadoda

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 19.325 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

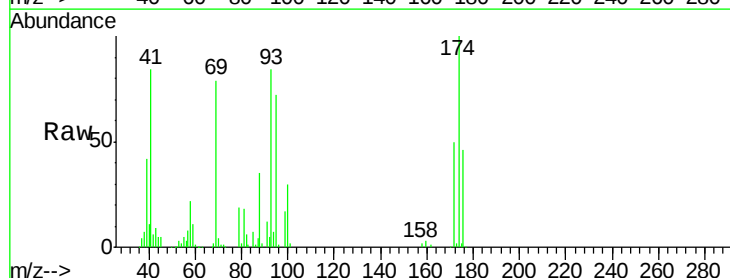
Tgt Ion: 93 Resp: 116734

Ion Ratio Lower Upper

93 100

95 82.6 66.5 99.7

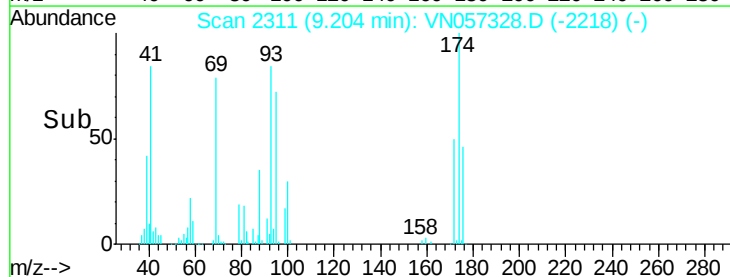
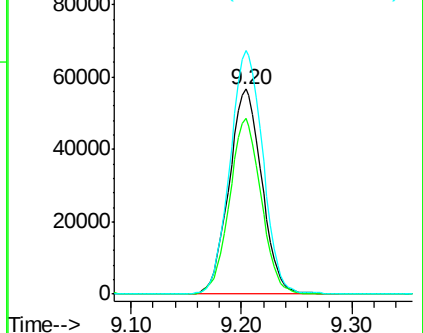
174 118.9 95.7 143.5

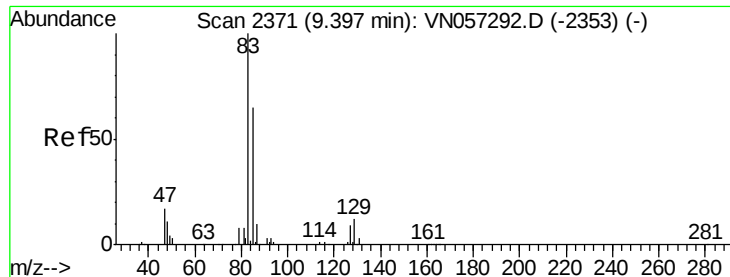


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 18.869 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

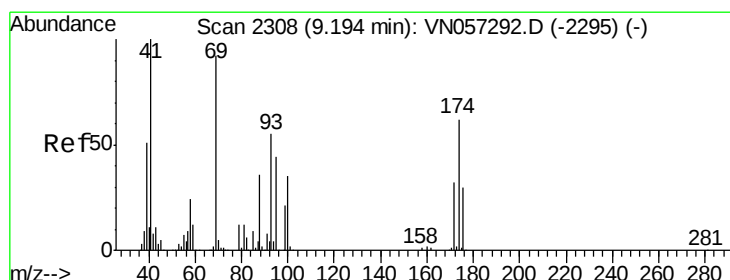
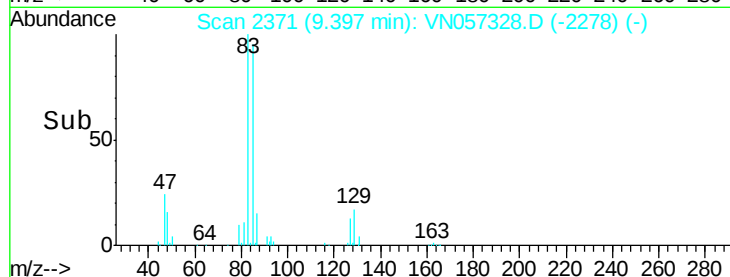
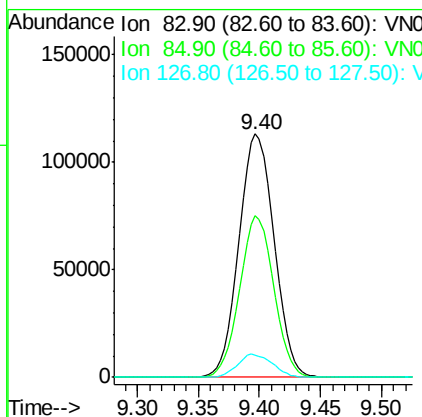
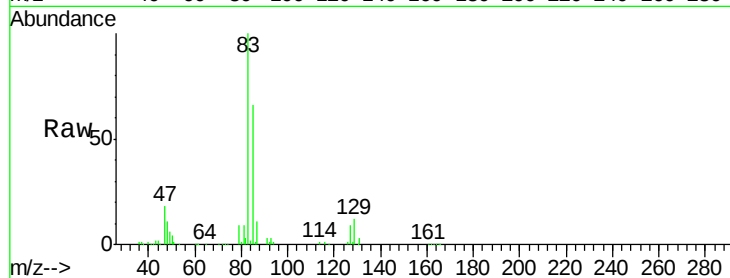
ClientSampleId :

VN0816MBS01

Tot Ion:	83	Resp:	225834
Ion Ratio	Lower	Upper	
83	100		
85	66.2	51.9	77.9
127	9.3	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.322 ug/l

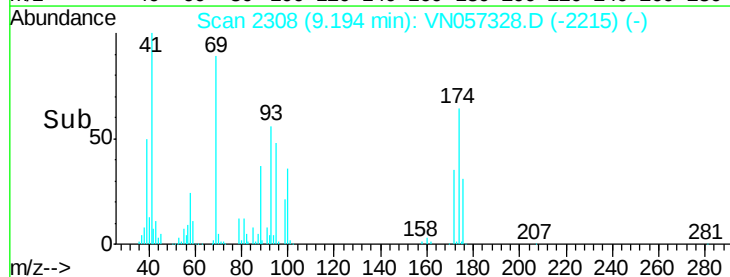
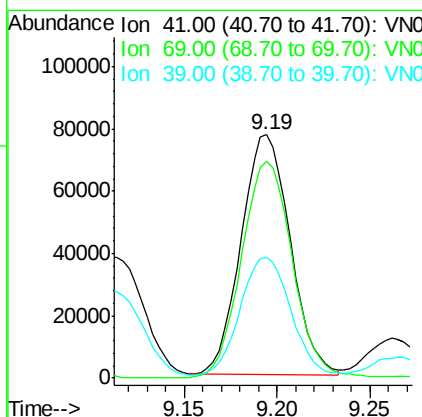
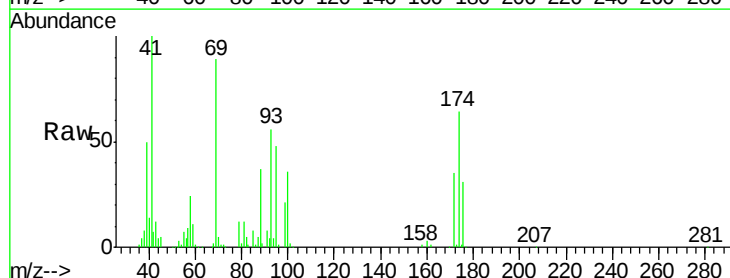
RT: 9.19 min Scan# 2308

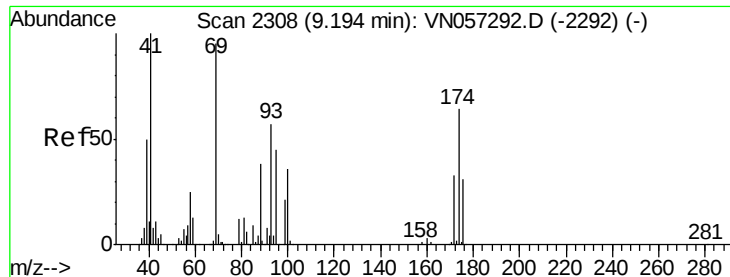
Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Tgt Ion:	41	Resp:	141929
Ion Ratio	Lower	Upper	
41	100		
69	94.0	75.9	113.9
39	53.5	42.3	63.5





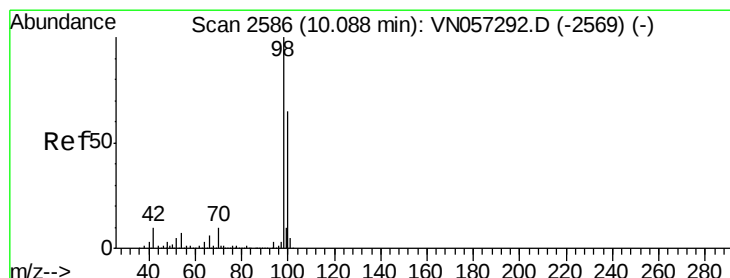
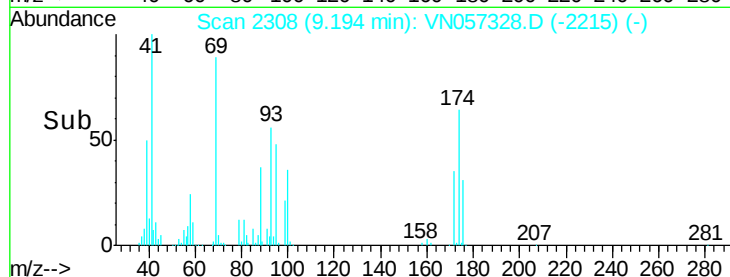
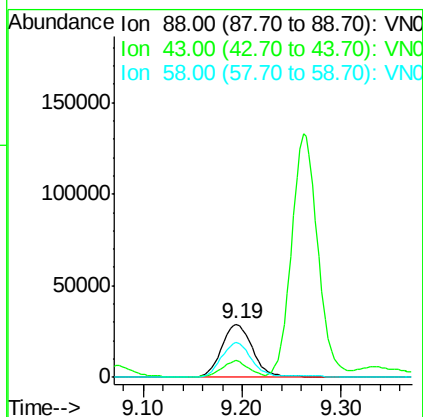
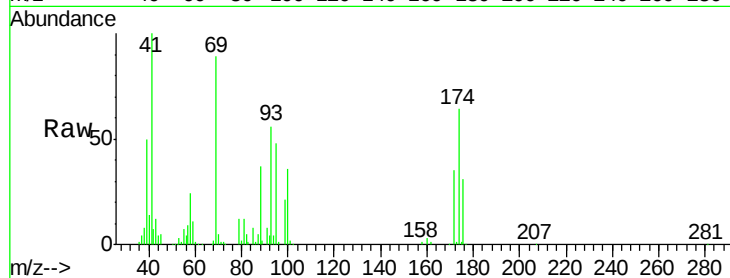
#49
1,4-Dioxane
Concen: 396.904 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	25.8	22.9	34.3
58	62.9	52.7	79.1

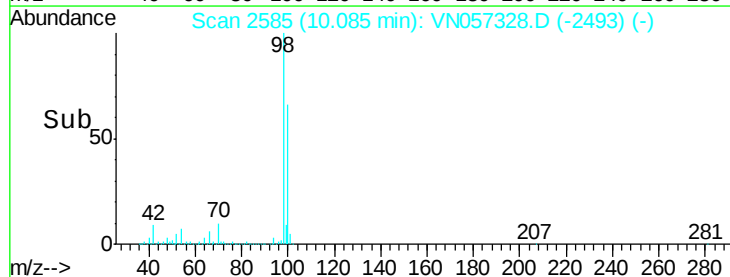
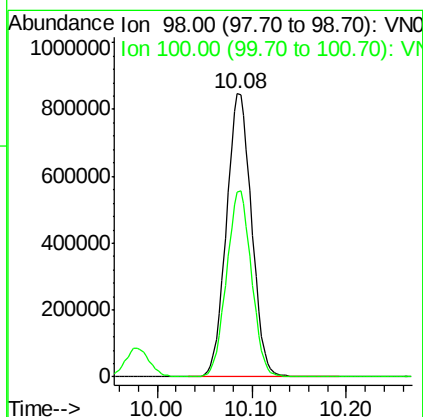
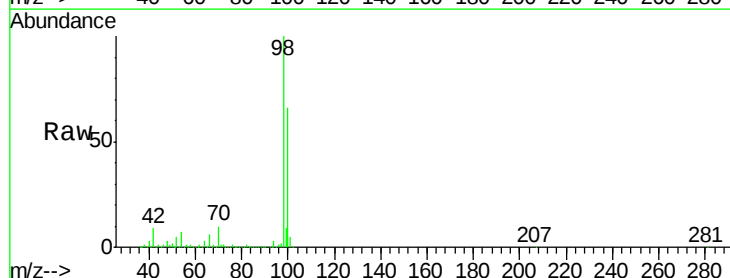
Manual Integrations
APPROVED

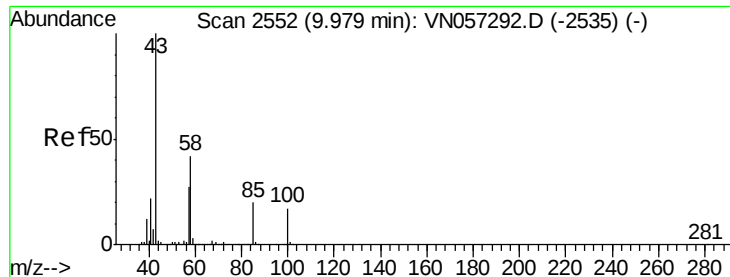
MMdadoda
8/19/2019 1:54:07 AM



#50
Toluene-d8
Concen: 50.091 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 90.453 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBS01

Tot Ion: 43 Resp: 877795

Ion Ratio Lower Upper

43 100

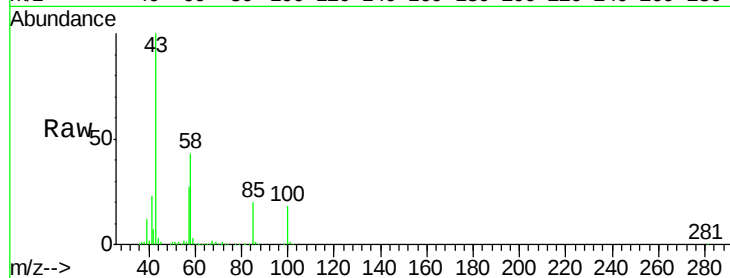
58 42.5 33.2 49.8

Manual Integrations

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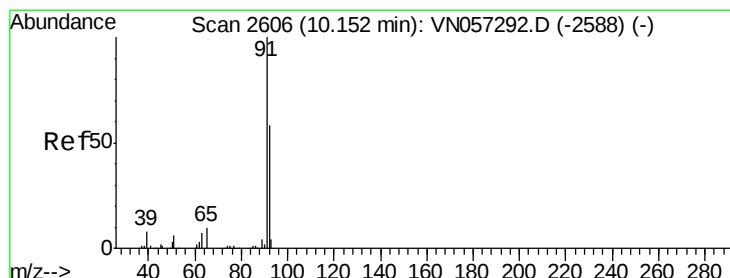
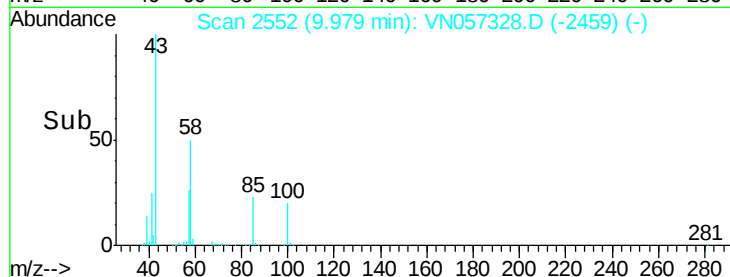
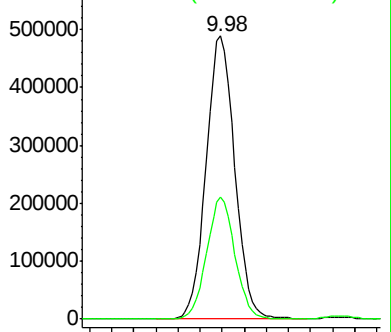
MMdadoda

8/19/2019 1:54:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.626 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. -0.00 min

Lab File: VN057328.D

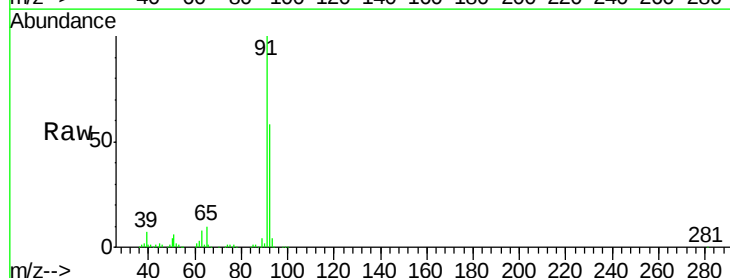
Acq: 15 Aug 2019 13:50

Tgt Ion: 92 Resp: 429115

Ion Ratio Lower Upper

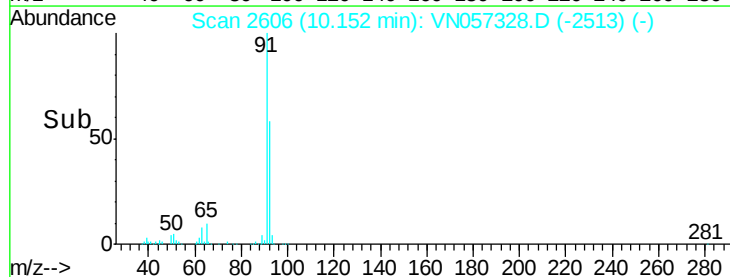
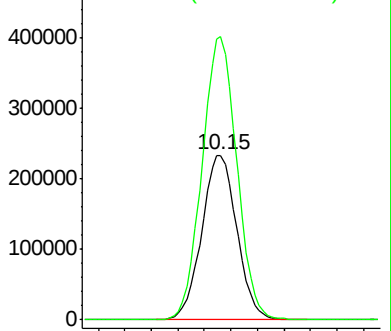
92 100

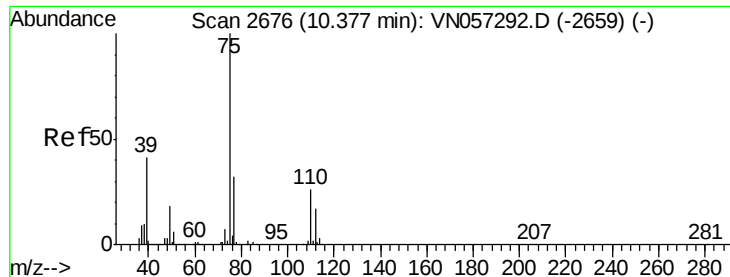
91 170.3 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





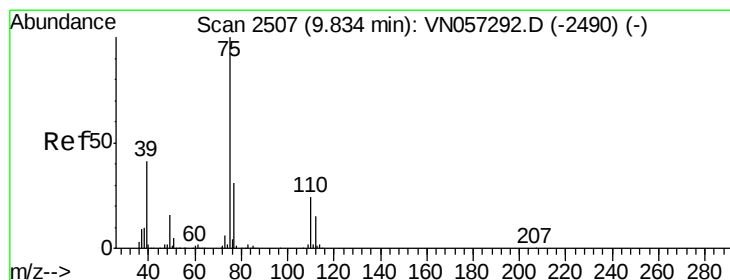
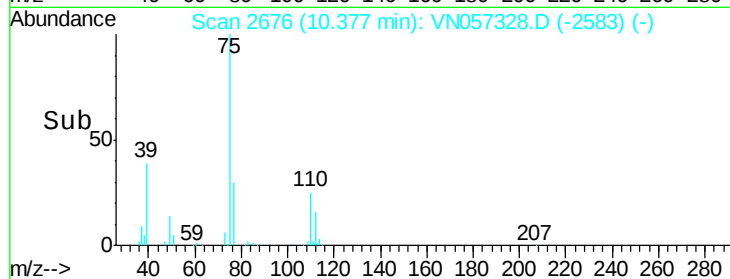
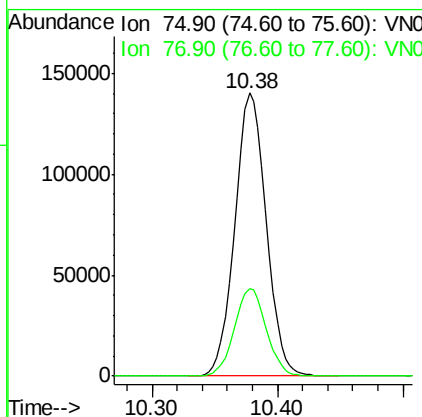
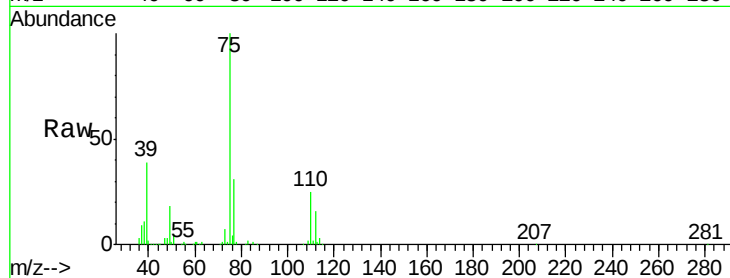
#53
t-1,3-Dichloropropene
Concen: 18.788 ug/l
RT: 10.38 min Scan# 2676
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.5	38.3

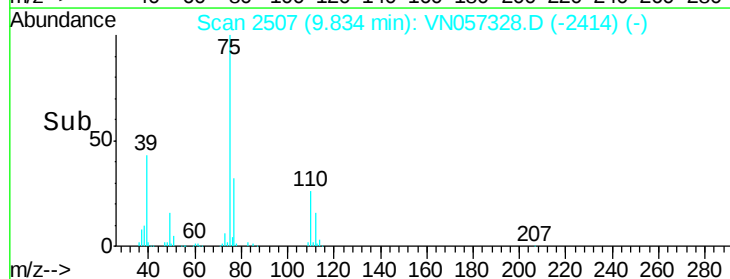
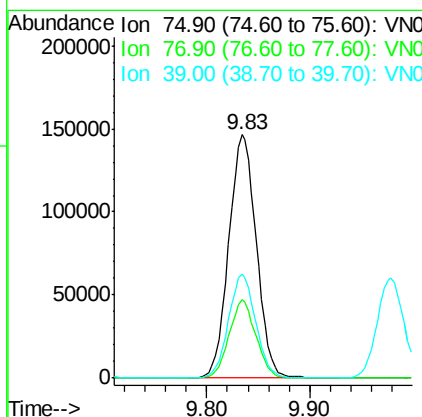
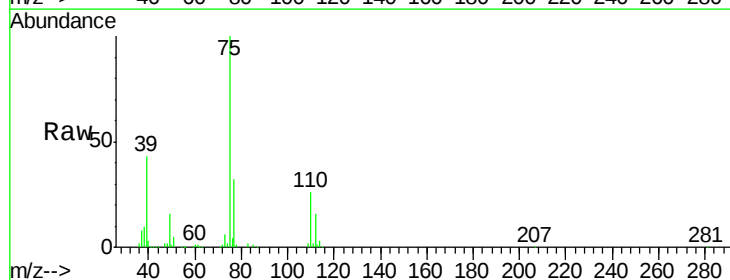
Manual Integrations
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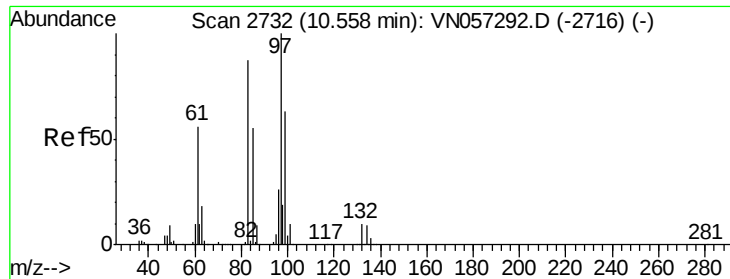
MMDadoda
8/19/2019 1:54:07 AM



#54
cis-1,3-Dichloropropene
Concen: 19.085 ug/l
RT: 9.83 min Scan# 2507
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.9	37.3
39	42.7	32.7	49.1





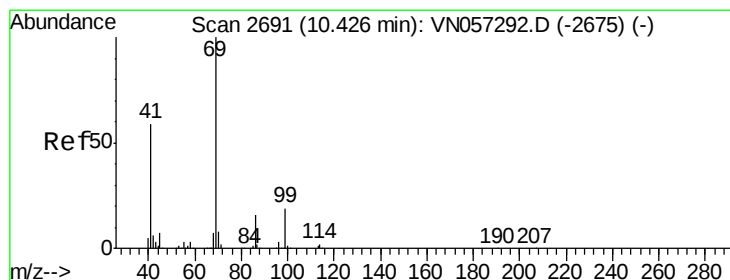
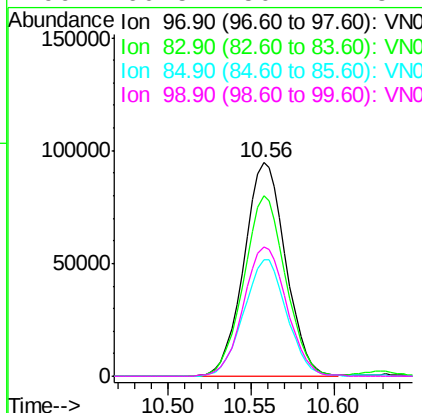
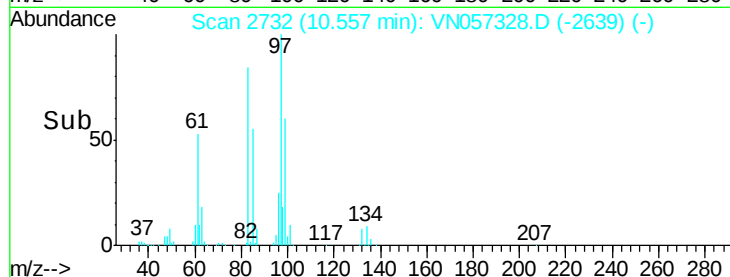
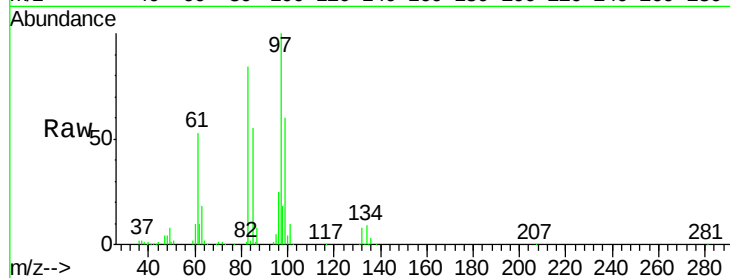
#55
 1,1,2-Trichloroethane
 Concen: 19.231 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0816MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		165343		
83	84.4	69.8	104.8		
85	54.7	44.1	66.1		
99	60.5	50.2	75.2		

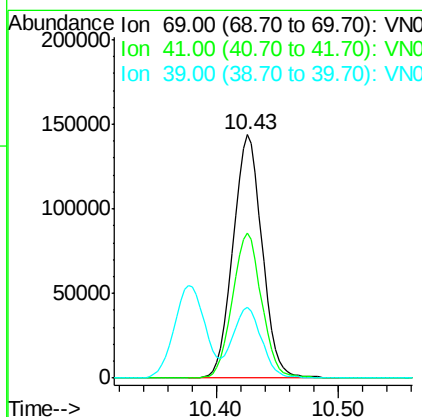
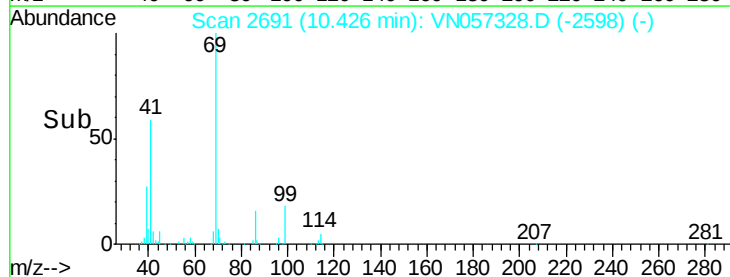
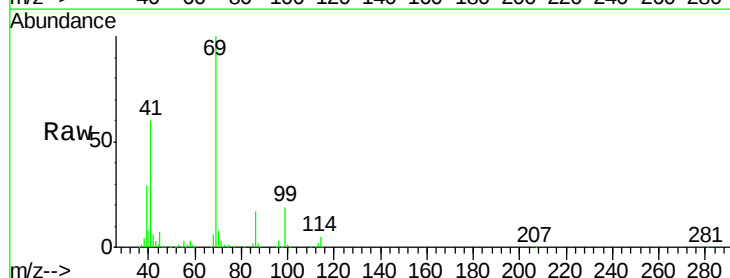
Manual Integrations
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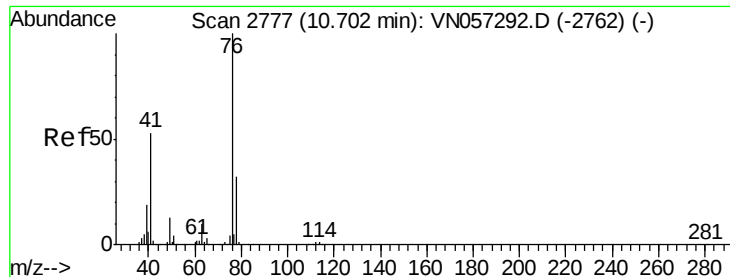
MMdadoda
 8/19/2019 1:54:07 AM



#56
 Ethyl methacrylate
 Concen: 18.988 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		238247		
41	59.3	48.2	72.2		
39	28.8	23.4	35.0		





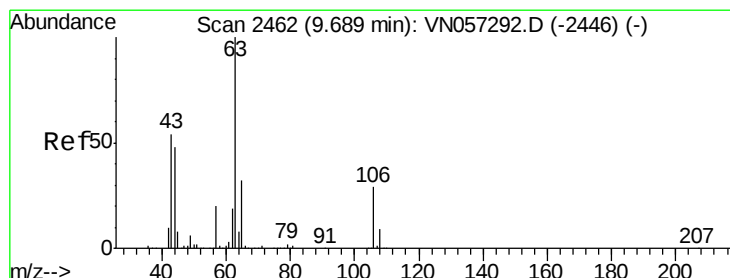
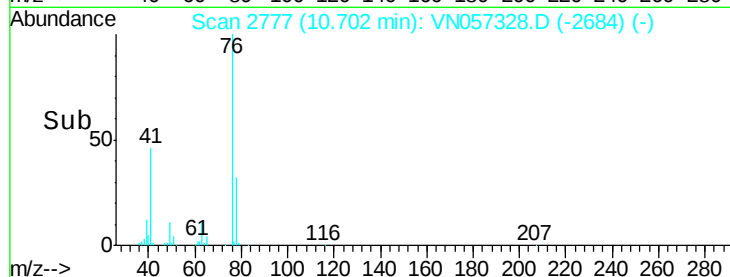
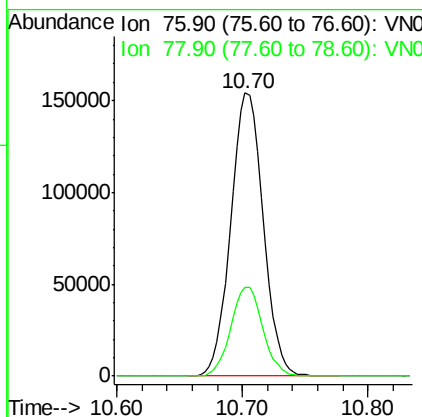
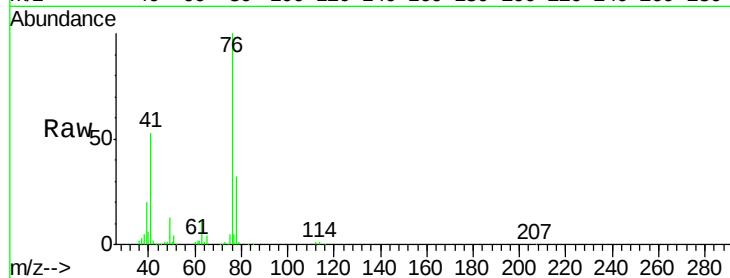
#57
 1,3-Dichloropropane
 Concen: 19.250 ug/l
 RT: 10.70 min Scan# 2777
 Delta R.T. -0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816MBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.2	25.6	38.4

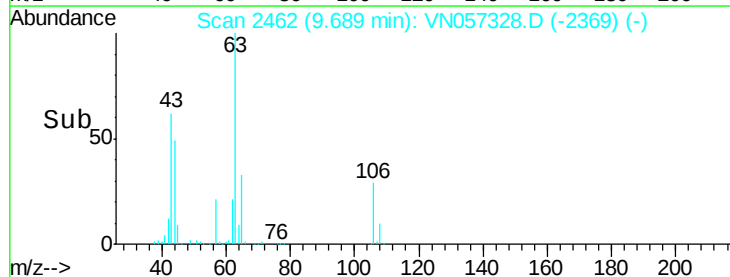
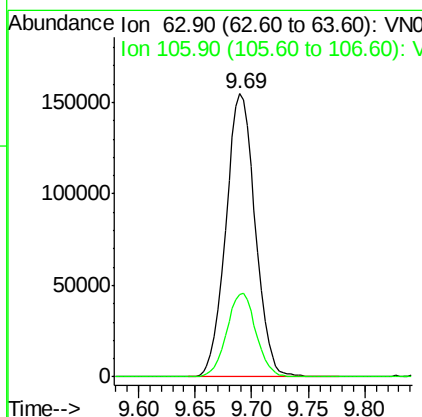
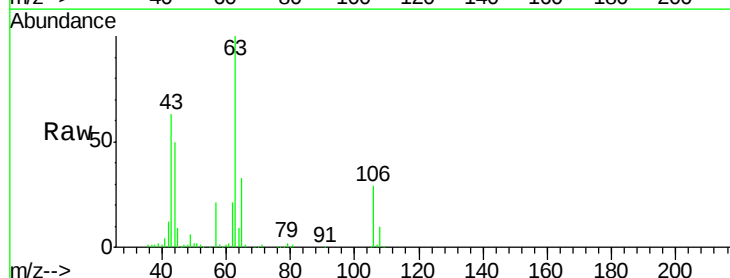
Manual Integrations
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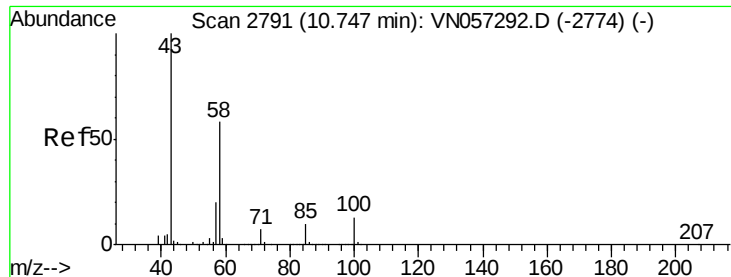
MMDadoda
 8/19/2019 1:54:07 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 86.733 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.2	34.8





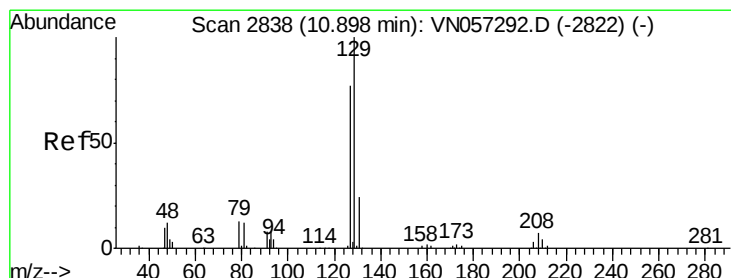
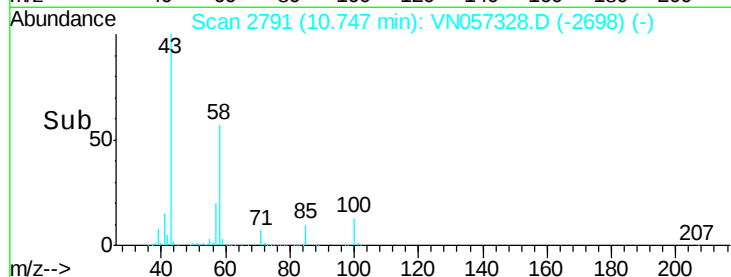
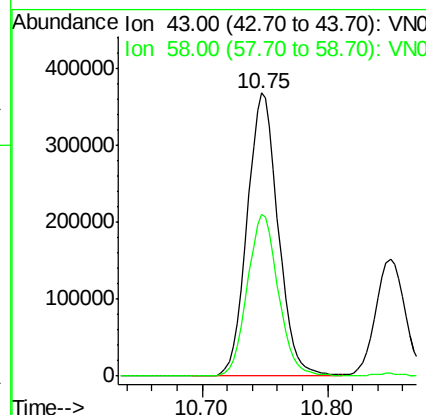
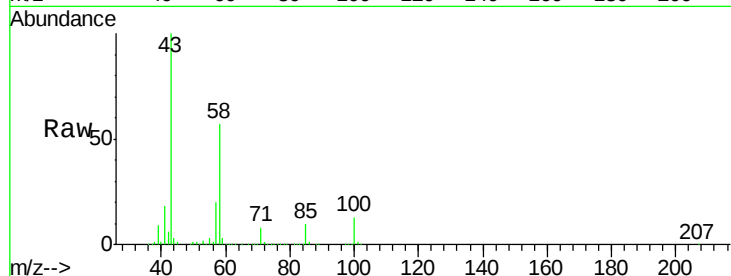
#59
2-Hexanone
Concen: 90.424 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.4	28.6	85.9

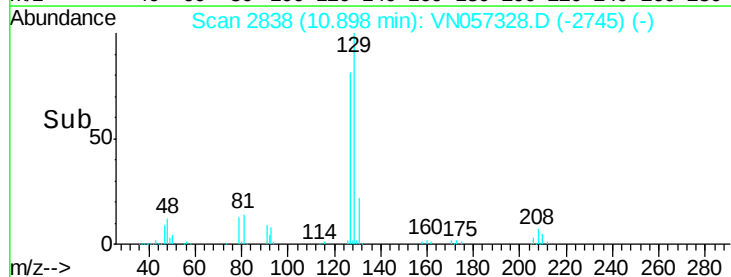
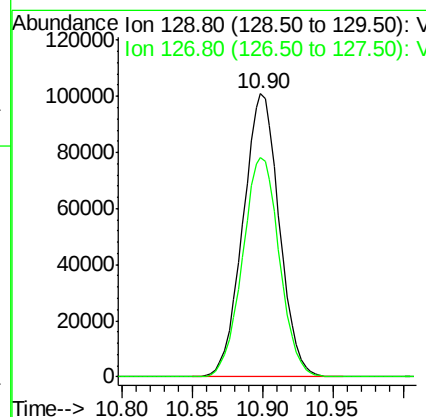
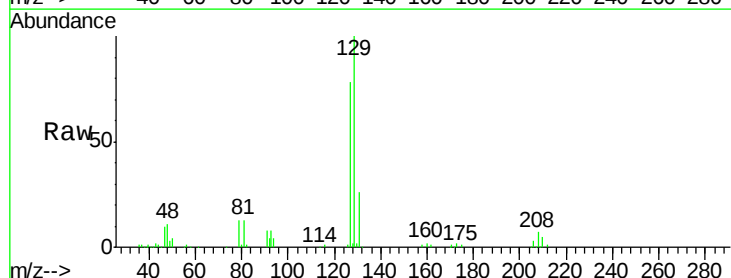
Manual Integrations
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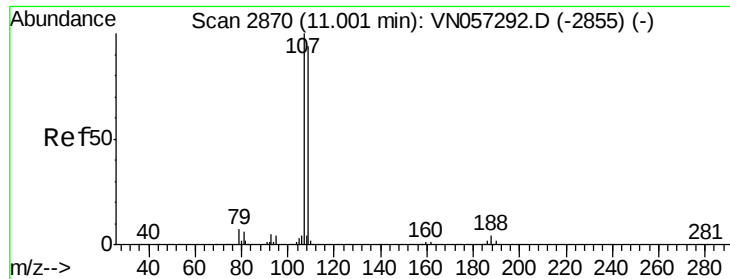
MMDadoda
8/19/2019 1:54:07 AM



#60
Dibromochloromethane
Concen: 18.898 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.0	116.9





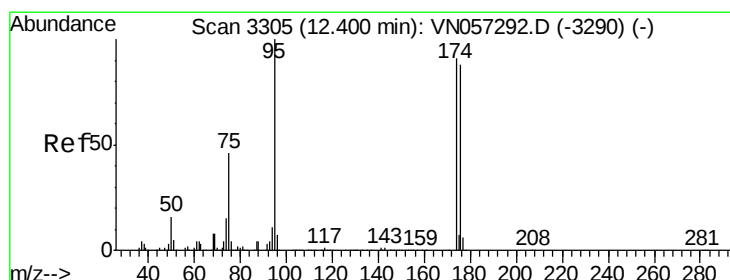
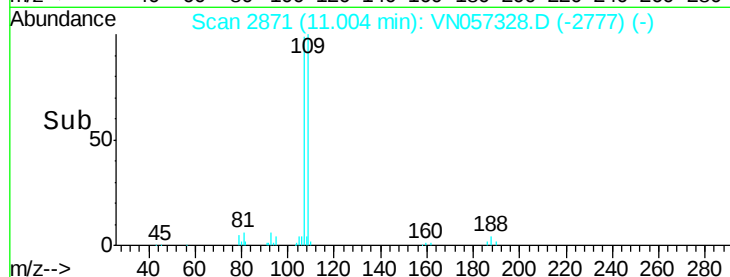
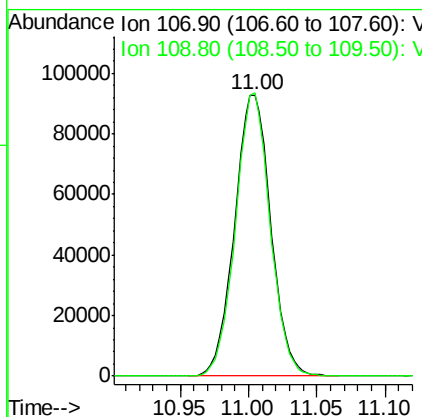
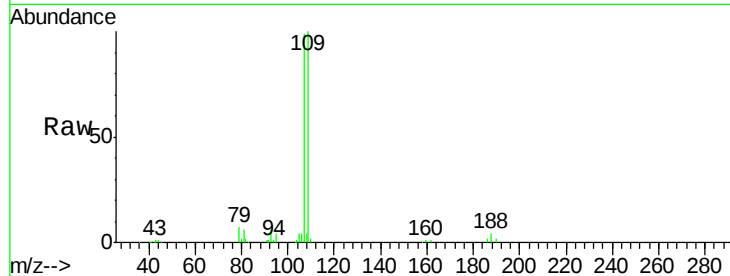
#61
 1,2-Dibromoethane
 Concen: 18.697 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0816MBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.0	75.7	113.5

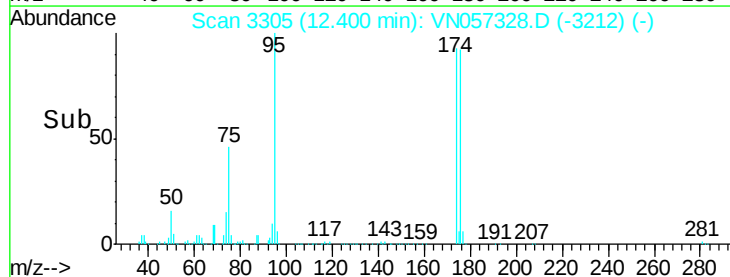
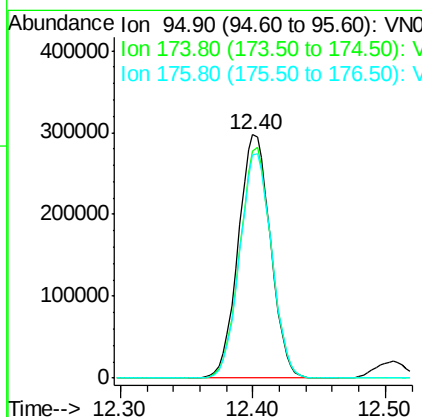
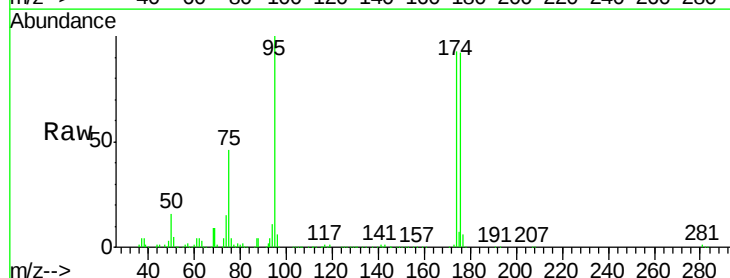
Manual Integrations
 APPROVED

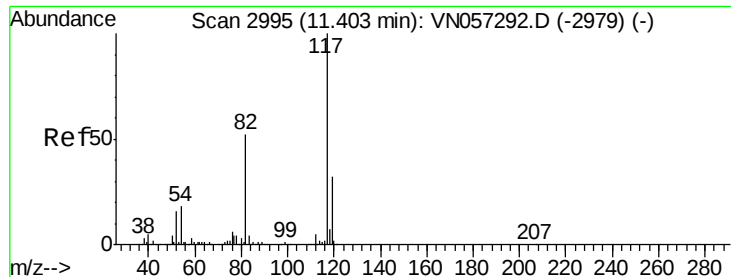
MMDadoda
 8/19/2019 1:54:07 AM



#62
 4-Bromofluorobenzene
 Concen: 45.607 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.8	0.0	185.0
176	91.4	0.0	181.0





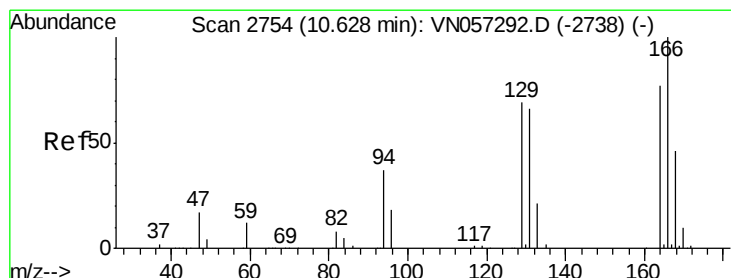
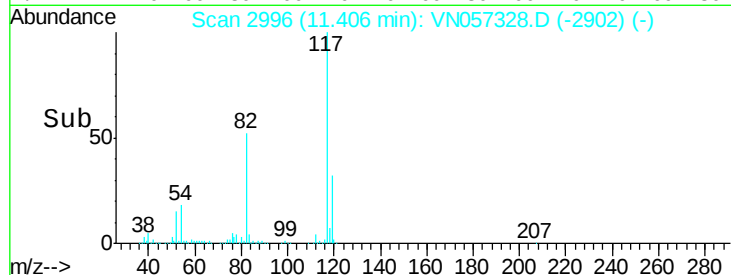
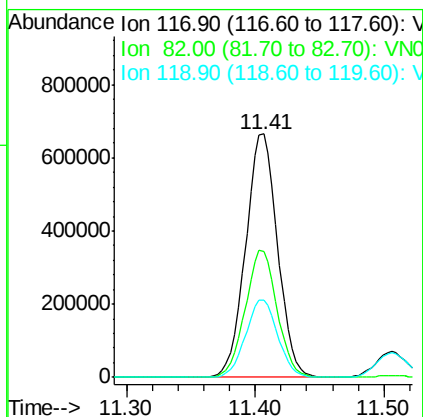
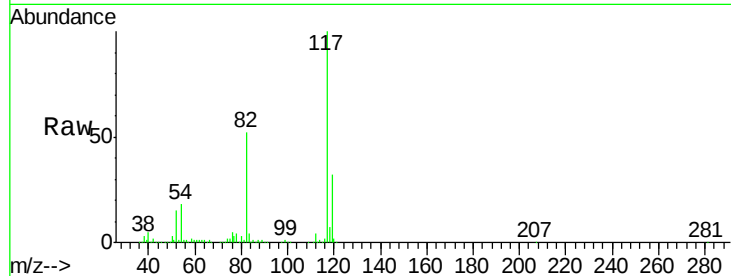
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tot Ion:117 Resp: 1144597
Ion Ratio Lower Upper
117 100
82 51.9 41.2 61.8
119 31.7 25.8 38.8

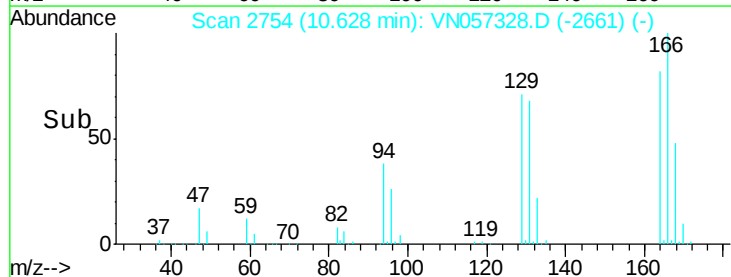
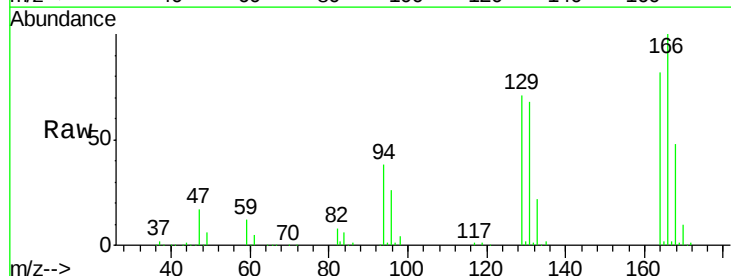
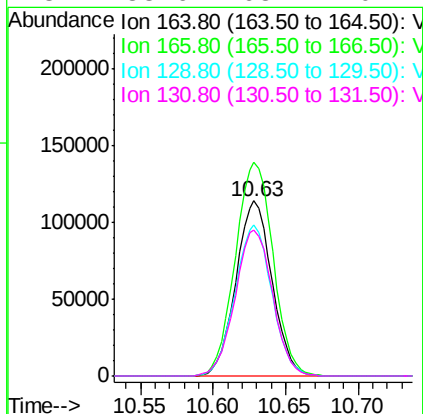
Manual Integrations
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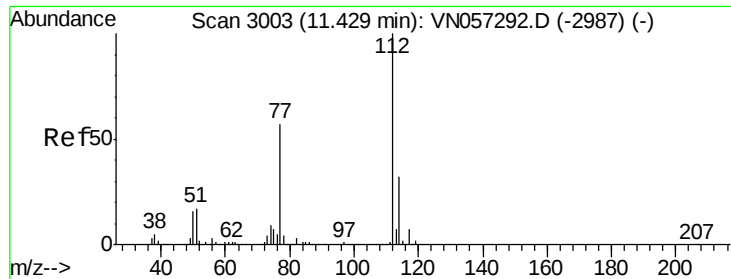
MMdadoda
8/19/2019 1:54:07 AM



#64
Tetrachloroethene
Concen: 19.939 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Tgt Ion:164 Resp: 197290
Ion Ratio Lower Upper
164 100
166 122.1 103.5 155.3
129 86.4 71.2 106.8
131 83.6 68.2 102.4





#65

Chlorobenzene

Concen: 19.306 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

VN0816MBS01

Tot Ion:112 Resp: 450694

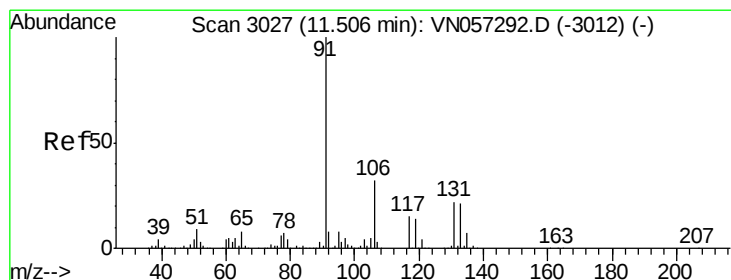
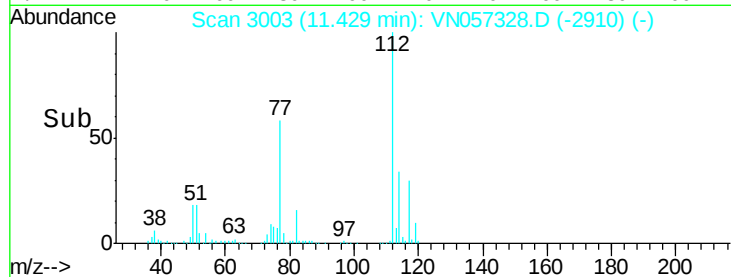
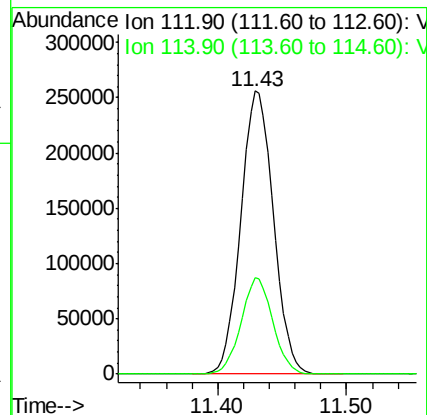
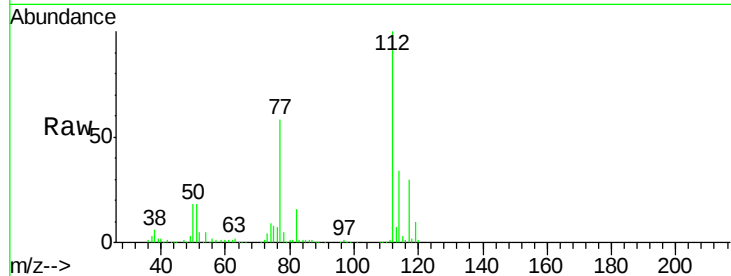
Ion Ratio Lower Upper

112 100

114 34.1 25.7 38.5

Manual Integrations
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#66

1,1,1,2-Tetrachloroethane

Concen: 20.076 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

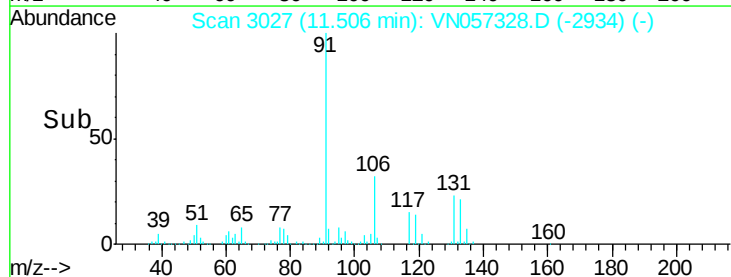
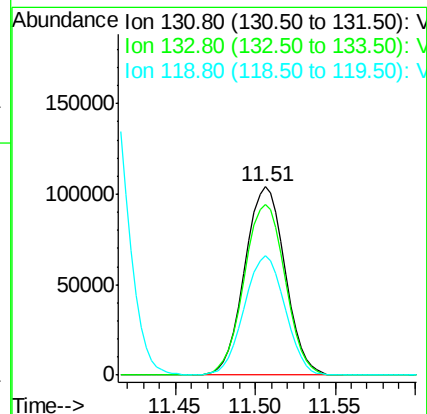
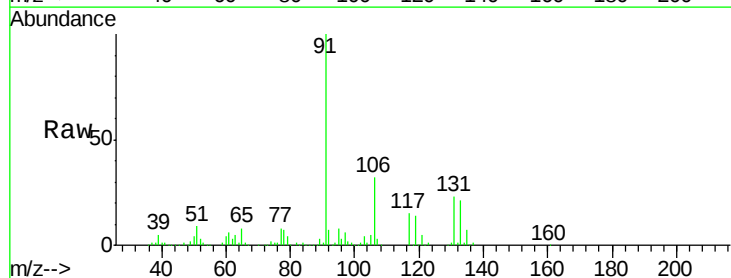
Tgt Ion:131 Resp: 179487

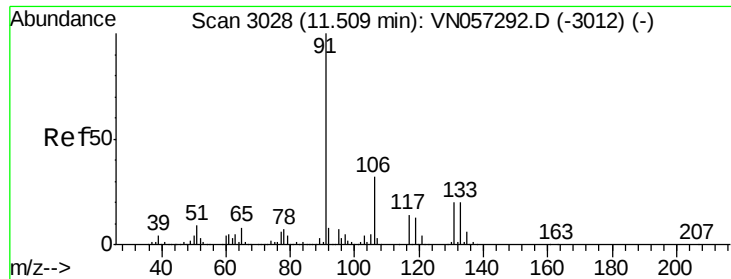
Ion Ratio Lower Upper

131 100

133 92.4 47.6 142.8

119 64.1 32.0 96.2





#67

Ethyl Benzene

Concen: 19.307 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

VN0816MBS01

Tot Ion: 91 Resp: 788542

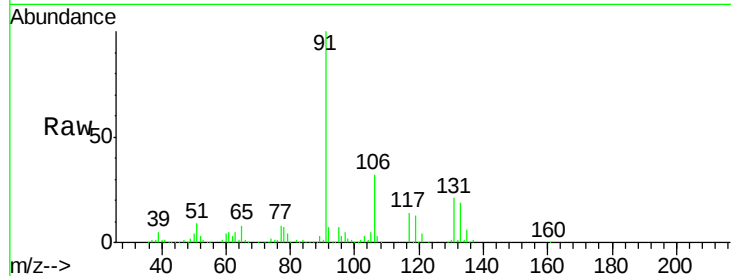
Ion Ratio Lower Upper

91 100

106 32.1 25.5 38.3

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN057328.D (-2935) (-)

Ion 106.00 (105.70 to 106.70): VN057328.D (-2935) (-)

600000

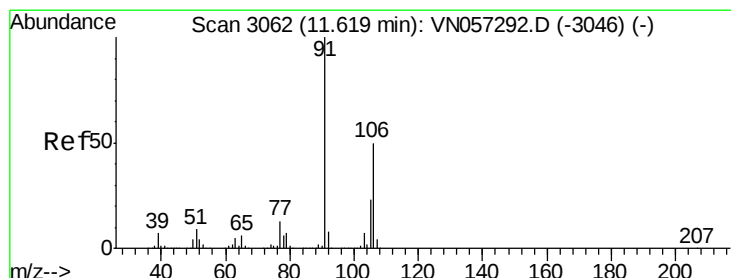
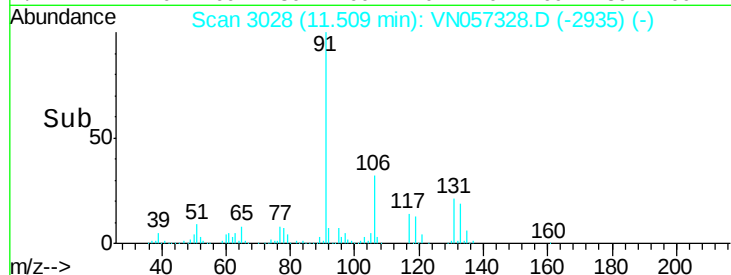
400000

200000

0

11.45 11.50 11.55 11.60

Time-->



#68

m/p-Xylenes

Concen: 38.742 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN057328.D

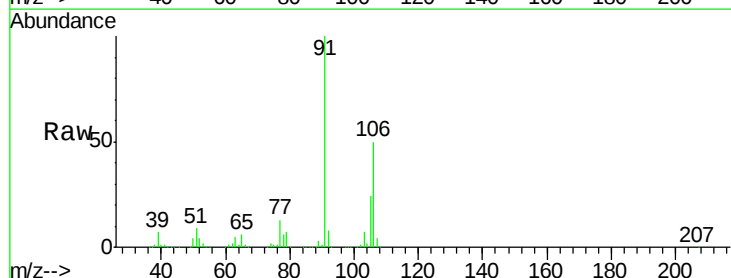
Acq: 15 Aug 2019 13:50

Tgt Ion: 106 Resp: 582982

Ion Ratio Lower Upper

106 100

91 202.1 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): VN057328.D (-2969) (-)

Ion 91.00 (90.70 to 91.70): VN057328.D (-2969) (-)

600000

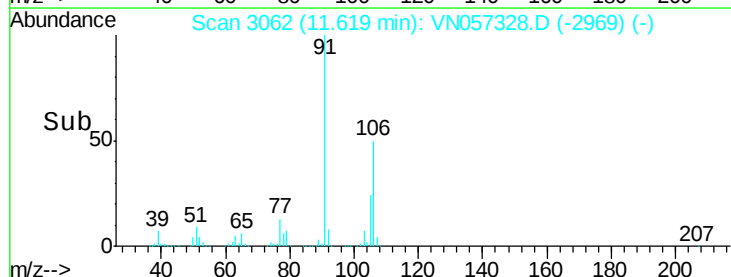
400000

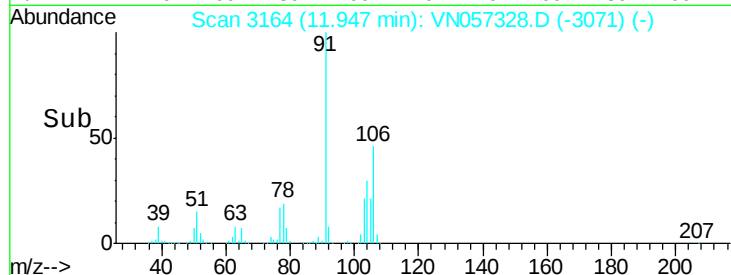
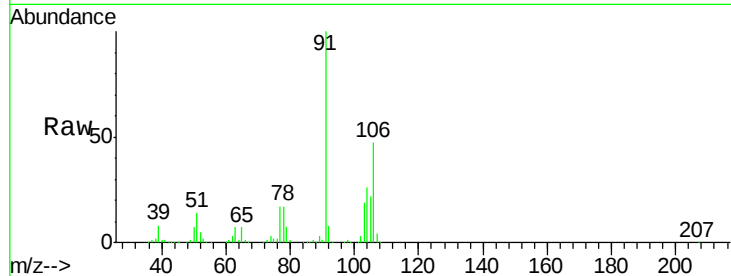
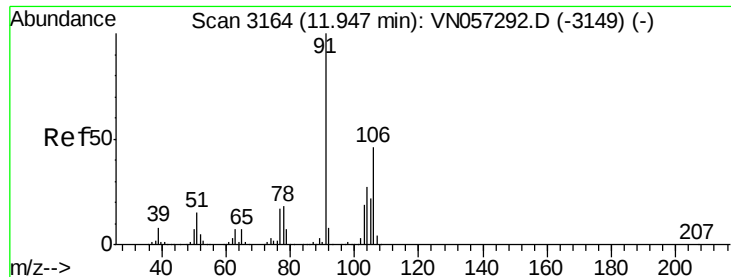
200000

0

11.60 11.62 11.64 11.66 11.68

Time-->





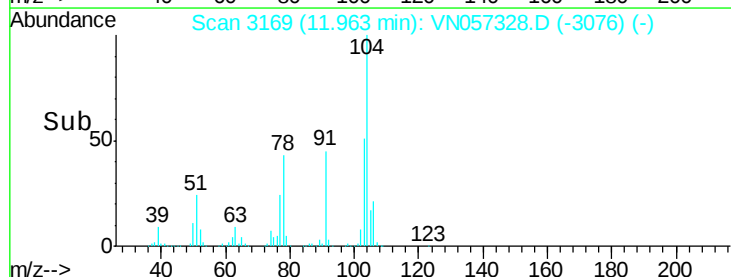
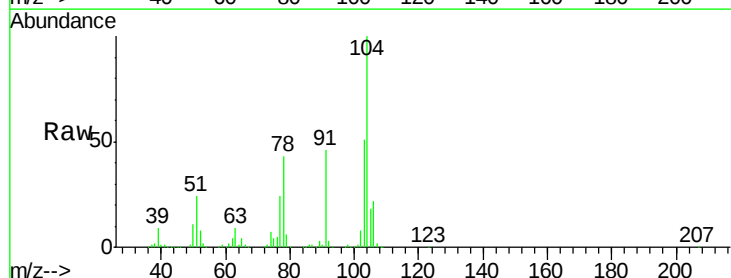
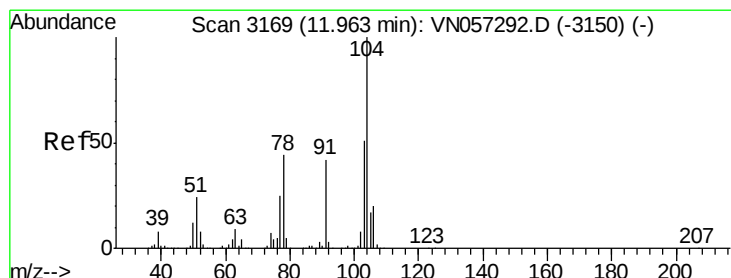
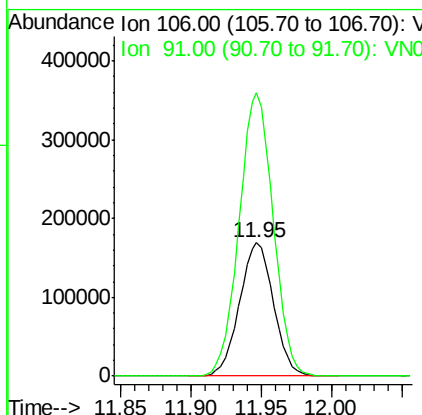
#69
o-Xylene
Concen: 19.333 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		285643		
91	212.6	106.3	319.0		

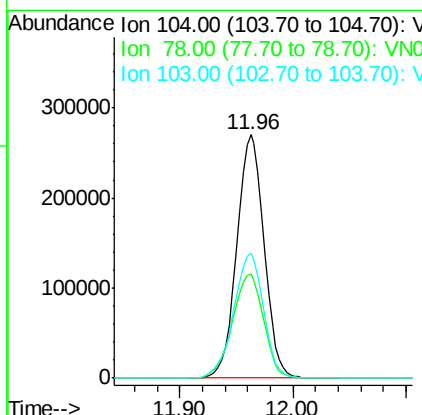
Manual Integrations
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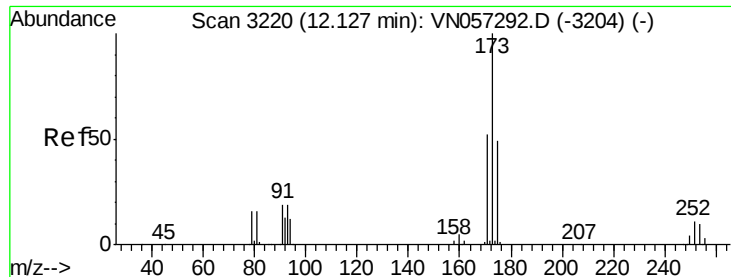
MMdadoda
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#70
Styrene
Concen: 19.277 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		454016		
78	48.7	39.2	58.8		
103	55.9	44.6	66.8		





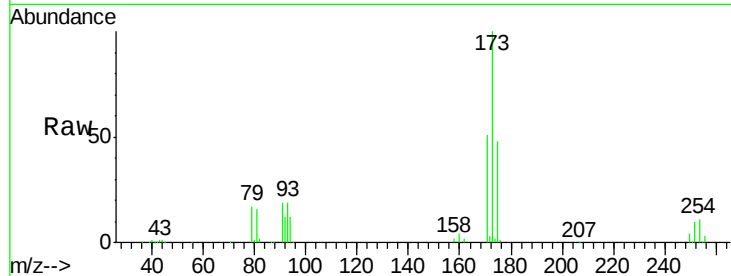
#71
Bromoform
Concen: 18.798 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

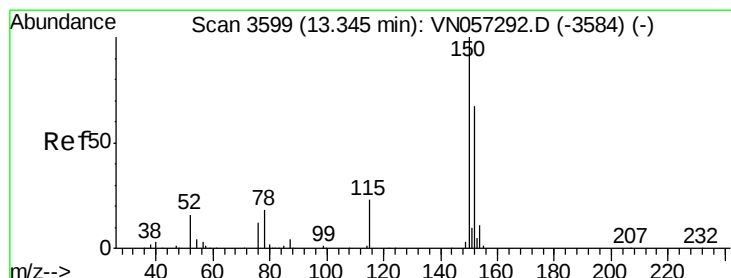
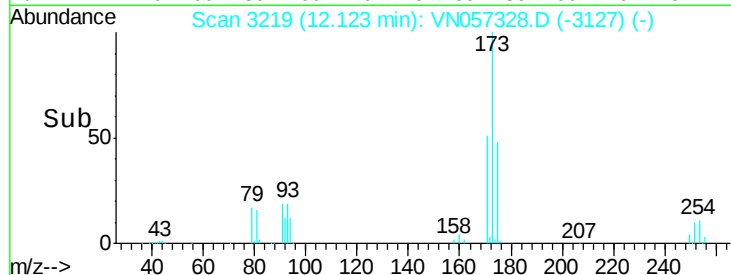
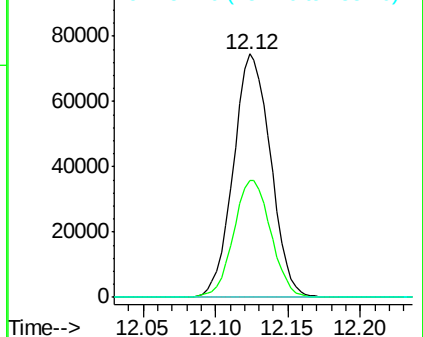
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.2	72.6
254	0.1	0.2	0.2

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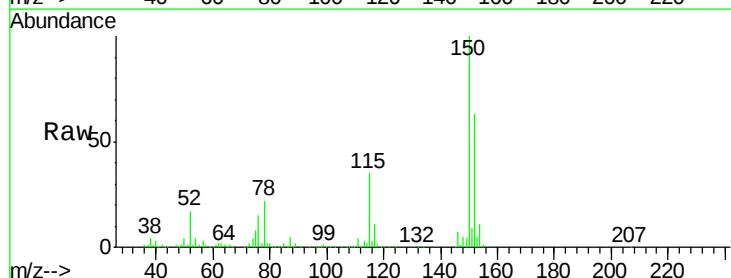


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

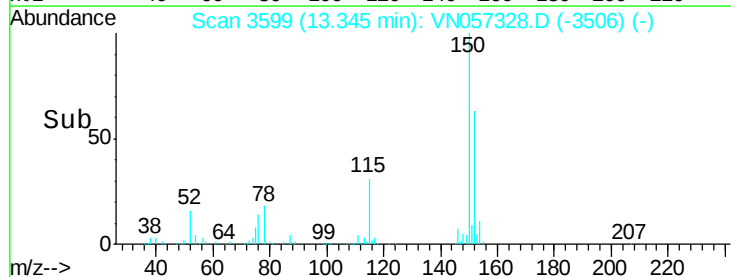
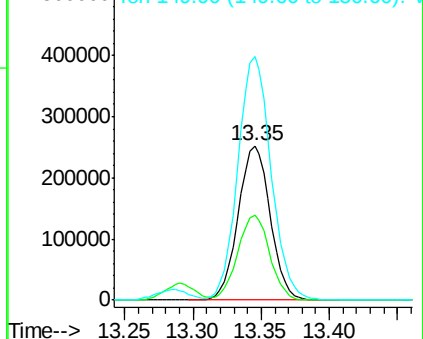


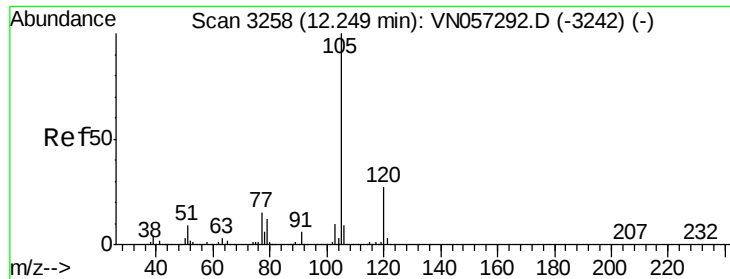
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.1	27.3	81.9
150	163.7	0.0	344.4



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





#73

Isopropylbenzene

Concen: 21.796 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

VN0816MBS01

Tot Ion:105 Resp: 774695

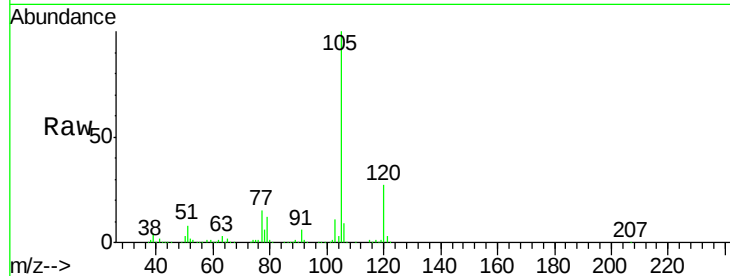
Ion Ratio Lower Upper

105 100

120 27.0 13.2 39.6

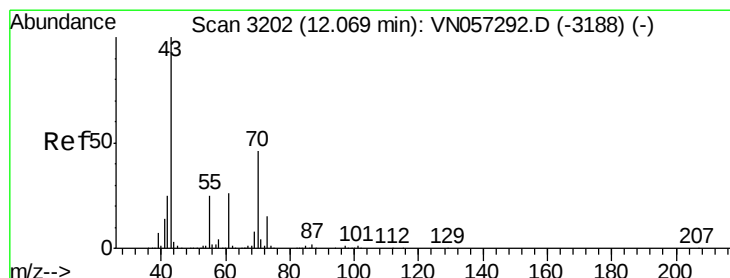
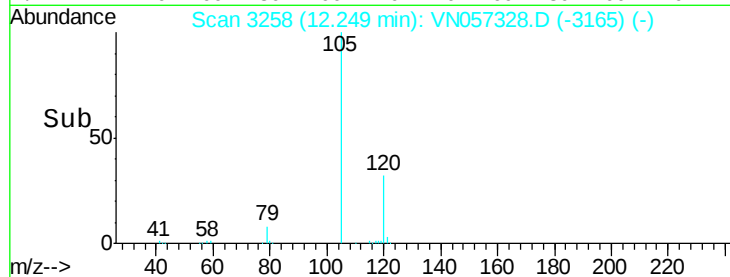
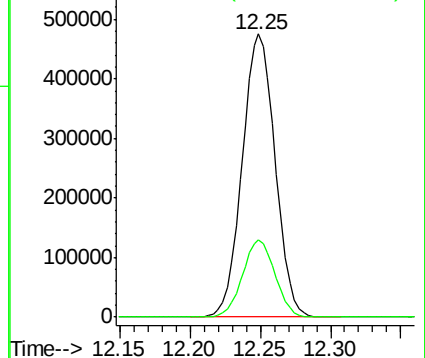
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.718 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Tgt Ion: 43 Resp: 223200

Ion Ratio Lower Upper

43 100

70 44.9 36.2 54.2

55 26.1 20.1 30.1

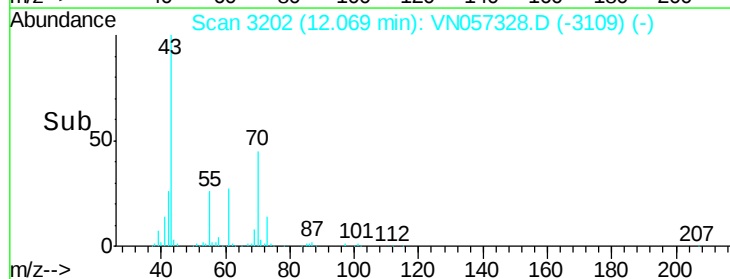
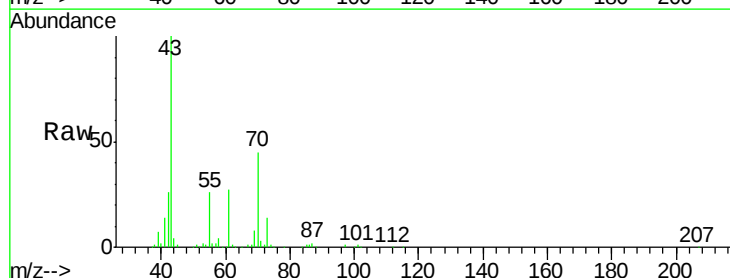
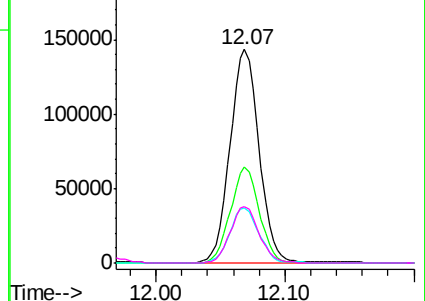
61 26.2 20.9 31.3

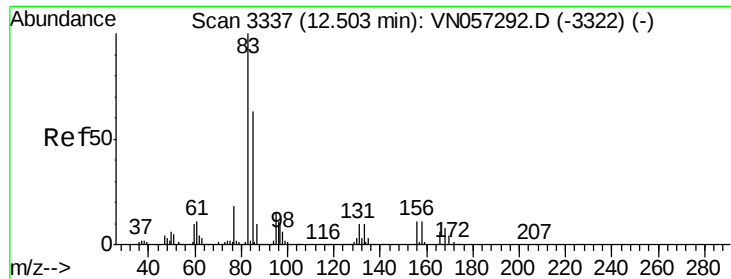
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.799 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

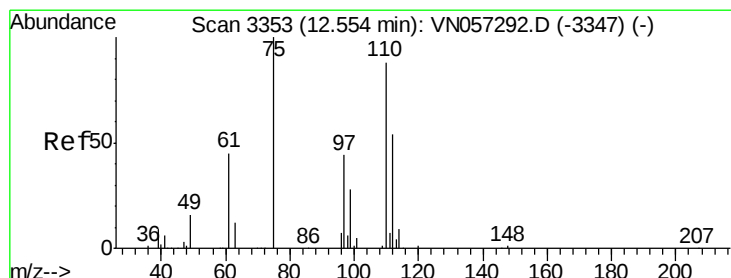
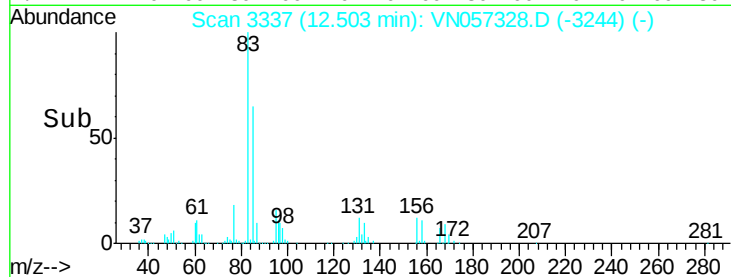
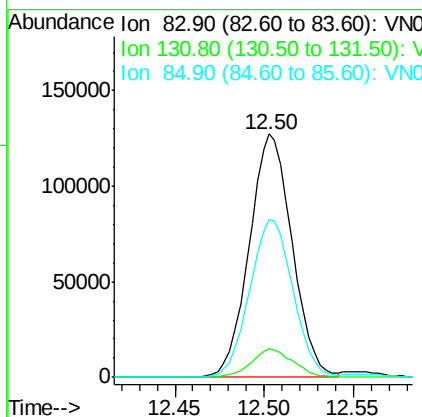
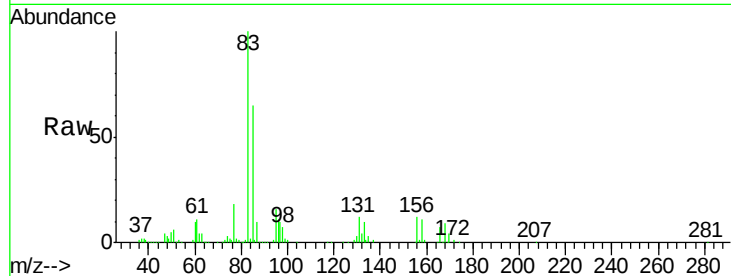
ClientSampleId :

VN0816MBS01

Tot Ion:	83	Resp:	213845
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.4	16.2
85	65.5	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.344 ug/l m

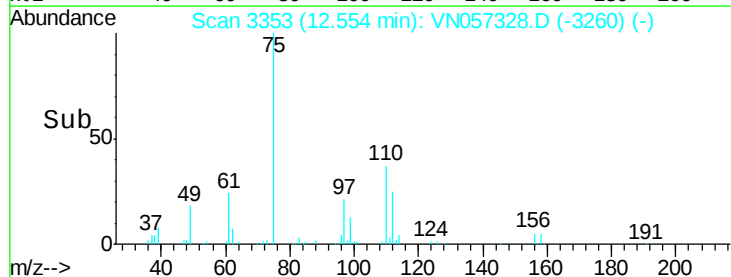
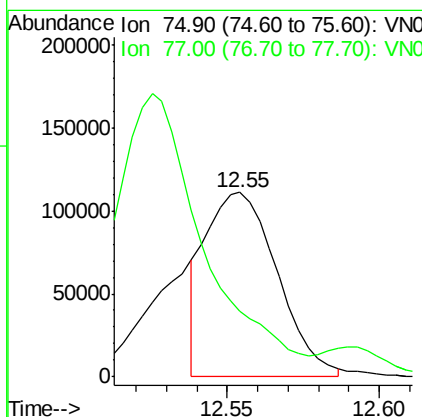
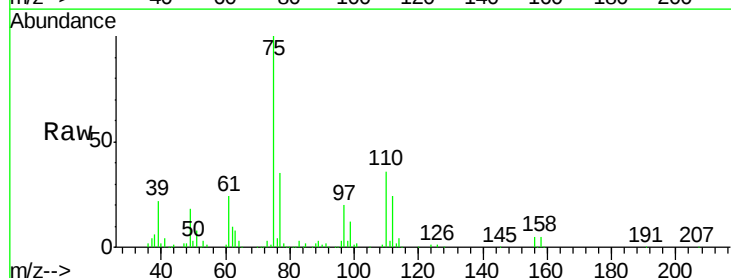
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Tgt Ion:	75	Resp:	181331
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.869 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

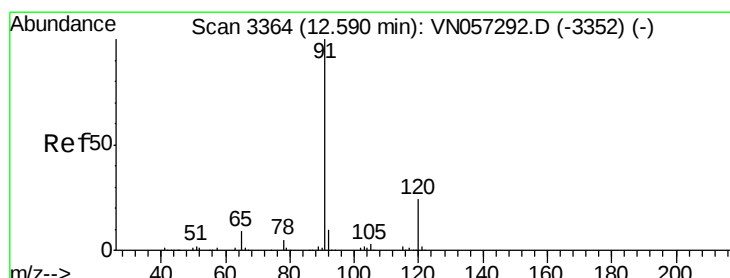
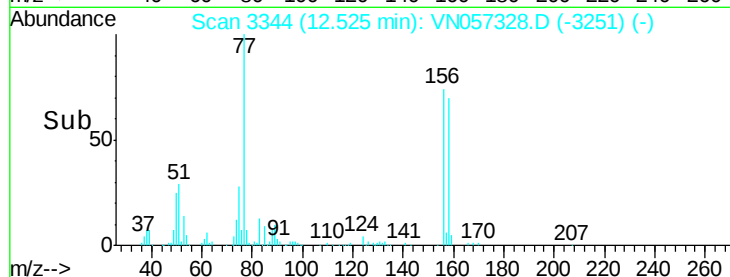
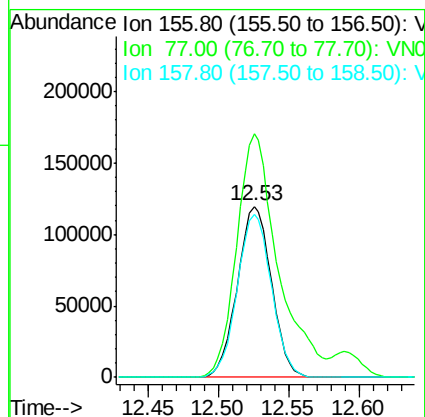
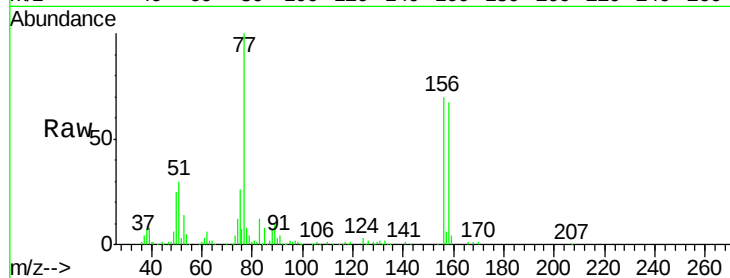
ClientSampleId :

VN0816MBS01

Tot Ion:	156	Resp:	203318
Ion Ratio	Lower	Upper	
156	100		
77	172.7	89.8	269.6
158	95.8	49.3	147.8

Manual Integrations
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MMdadoda
8/19/2019 1:54:07 AM



#78

n-propylbenzene

Concen: 19.087 ug/l

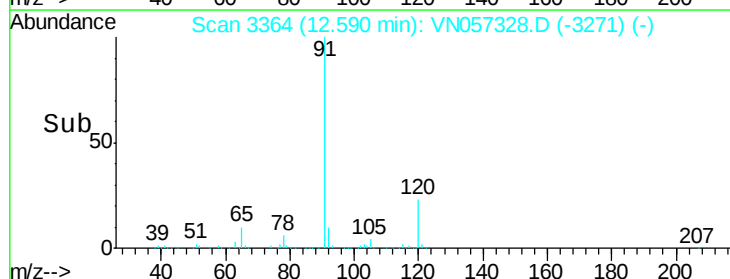
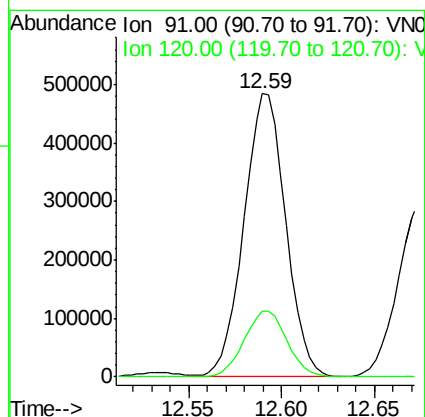
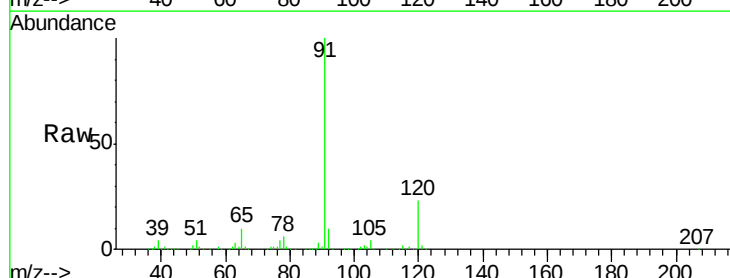
RT: 12.59 min Scan# 3364

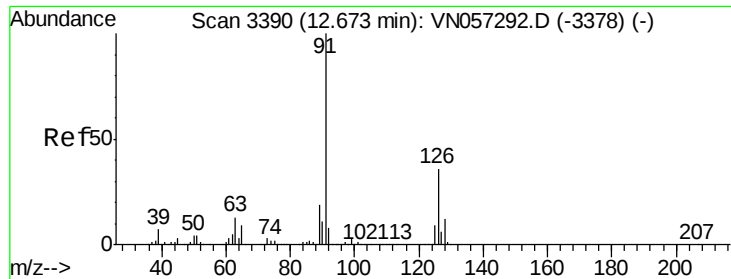
Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Tgt Ion:	91	Resp:	755303
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.9	35.7





#79

2-Chlorotoluene

Concen: 21.122 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

ClientSampled :

VN0816MBS01

Tot Ion: 91 Resp: 486467

Ion Ratio Lower Upper

91 100

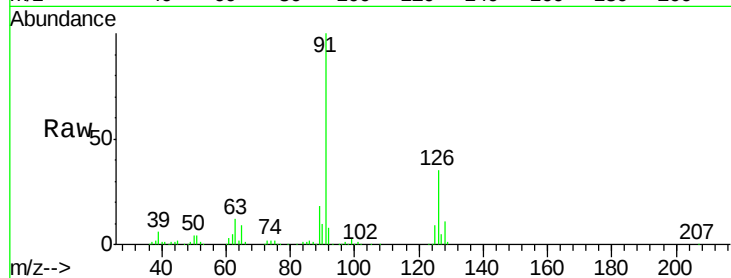
126 35.8 18.1 54.1

Manual Integrations

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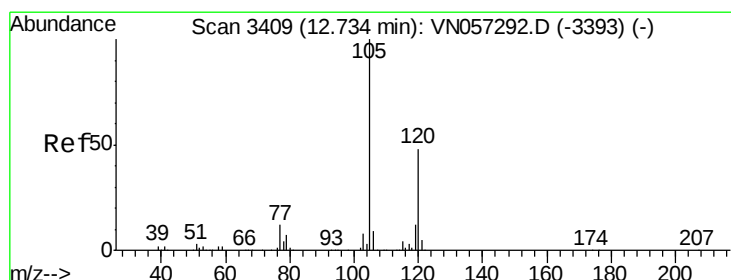
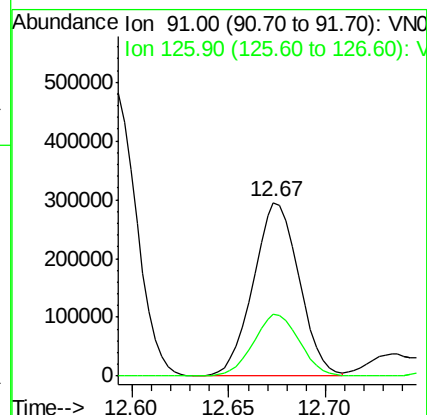
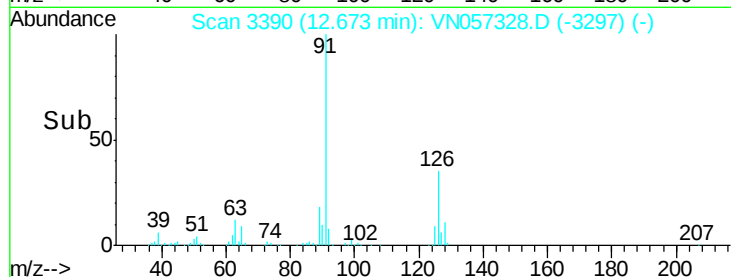
MMdadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN057328.D (-3397) (-)

Ion 125.90 (125.60 to 126.60): VN057328.D (-3397) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.224 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN057328.D

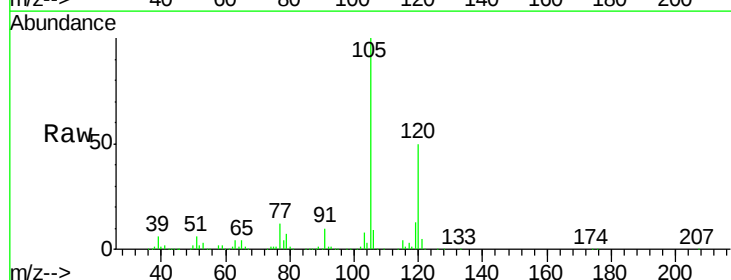
Acq: 15 Aug 2019 13:50

Tgt Ion: 105 Resp: 623576

Ion Ratio Lower Upper

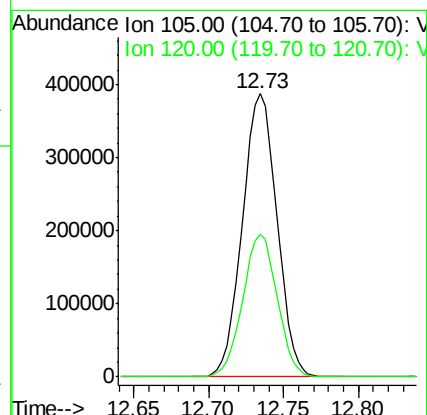
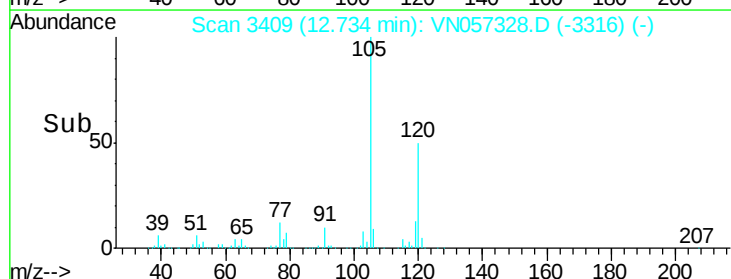
105 100

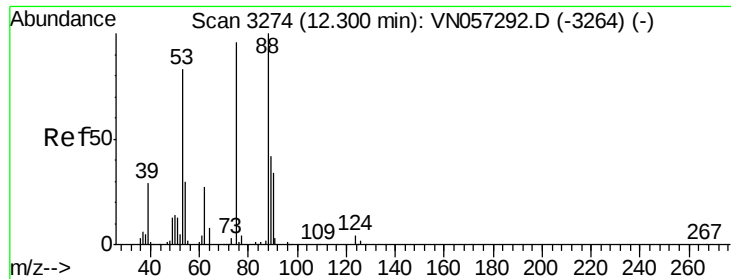
120 50.2 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN057328.D (-3316) (-)

Ion 120.00 (119.70 to 120.70): VN057328.D (-3316) (-)





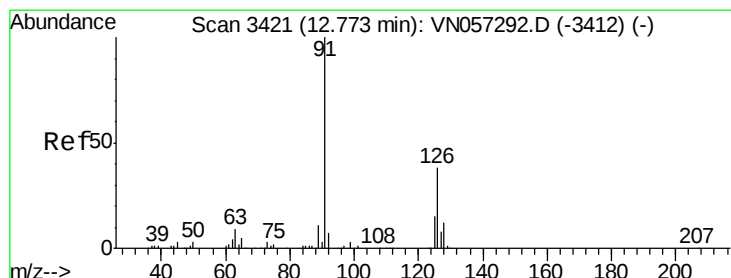
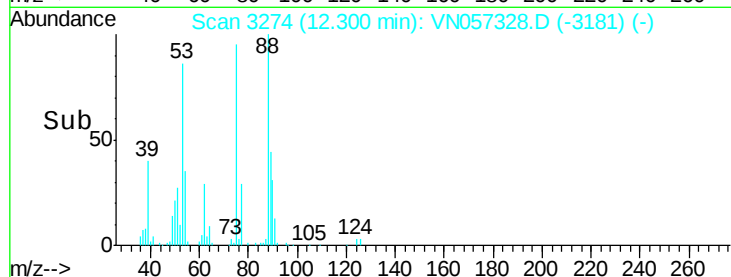
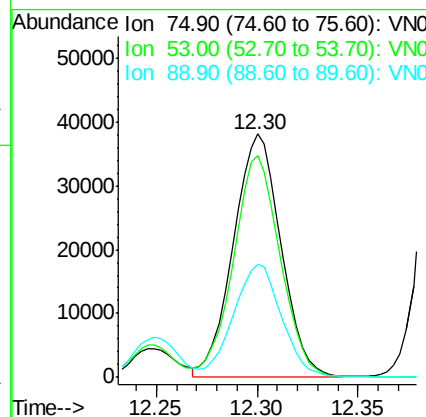
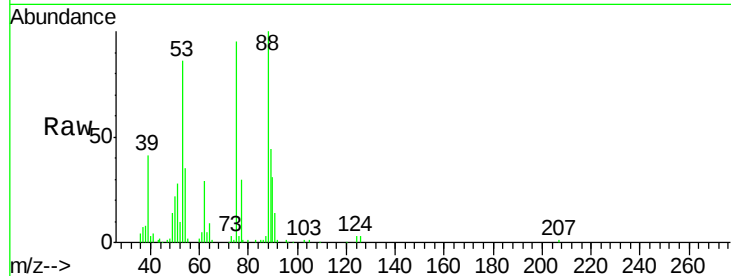
#81
trans-1,4-Dichloro-2-butene
Concen: 18.722 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.5	67.9	101.9
89	46.7	36.2	54.4

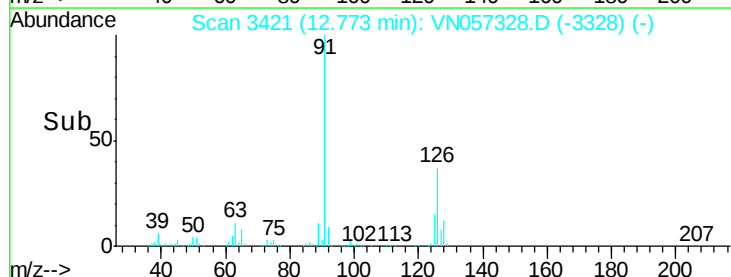
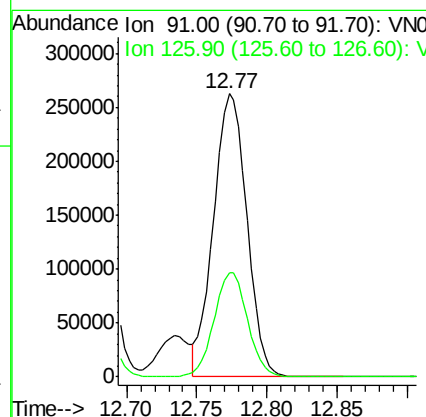
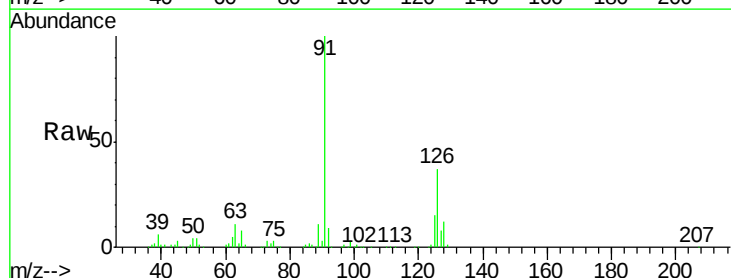
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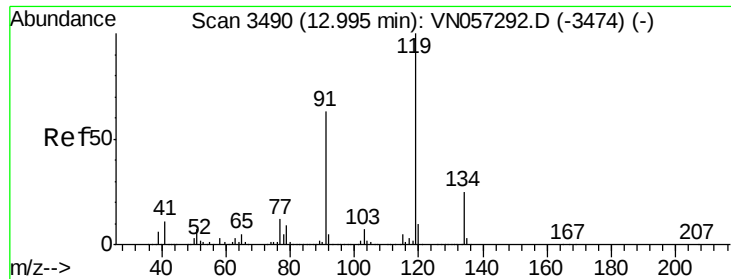
MMDadoda
8/19/2019 1:54:07 AM



#82
4-Chlorotoluene
Concen: 18.373 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.9	17.3	51.7





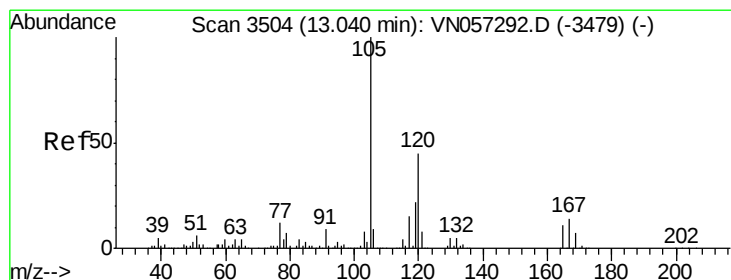
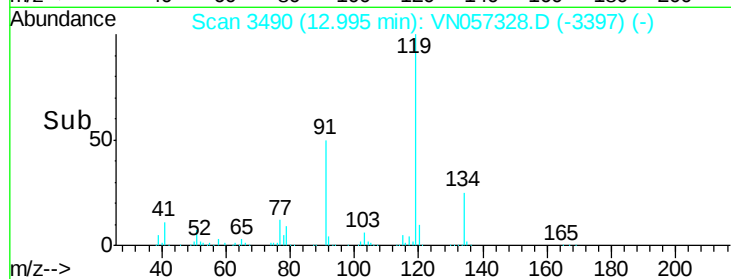
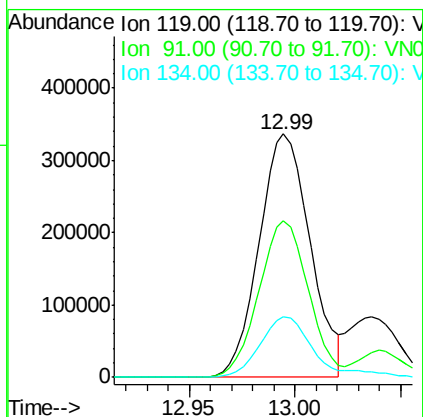
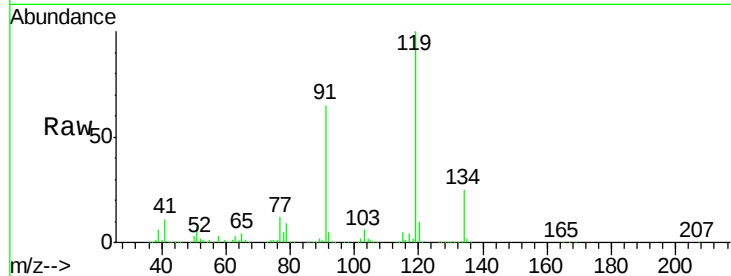
#83
 tert-Butylbenzene
 Concen: 21.674 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816MBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	568246		
91	62.5	31.3	93.8	
134	26.2	13.1	39.1	

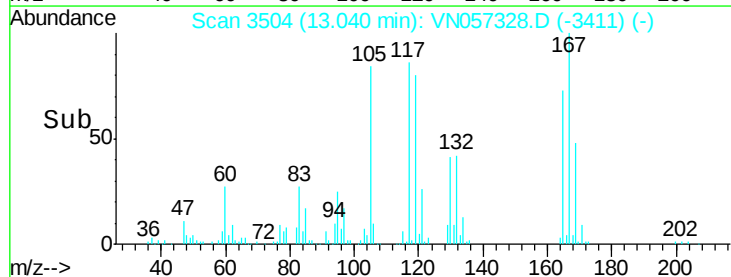
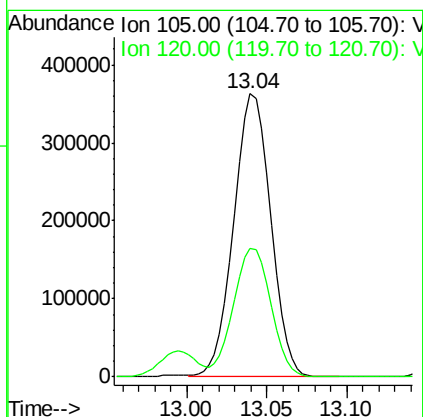
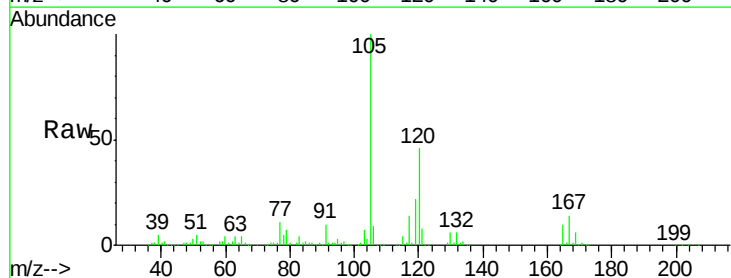
Manual Integrations
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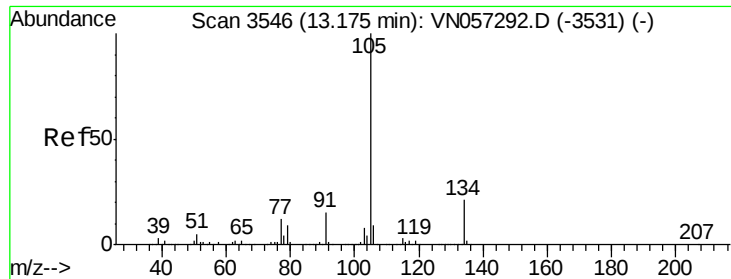
MMDadoda
 8/19/2019 1:54:07 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.246 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	569631		
120	46.2	22.6	67.7	





#85

sec-Butylbenzene

Concen: 20.773 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

ClientSampleId :

VN0816MBS01

Tot Ion:105 Resp: 673257

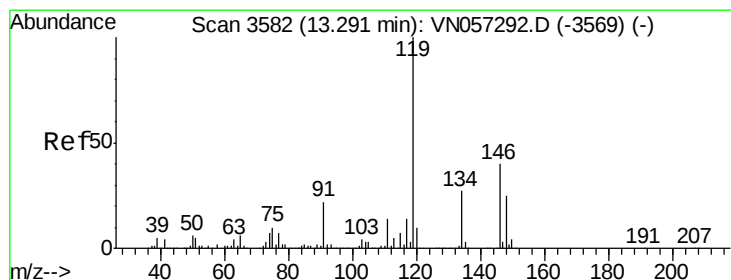
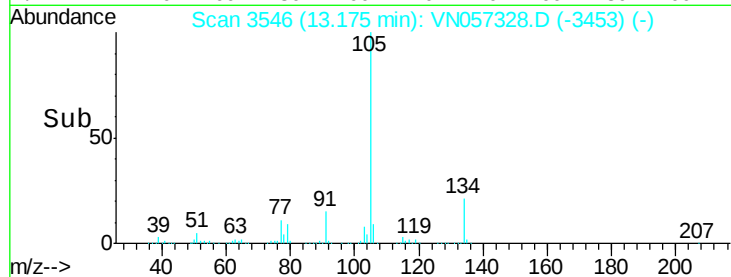
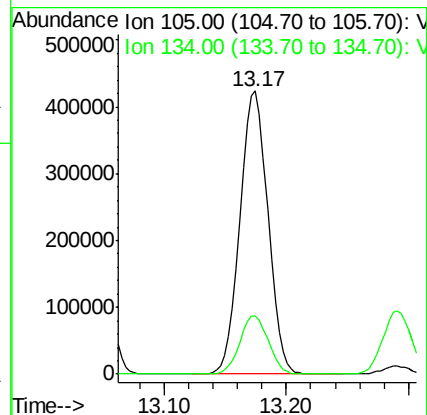
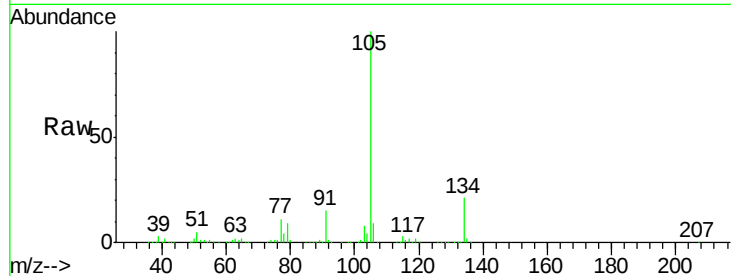
Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.2

Manual Integrations
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8/19/2019 1:54:07 AM



#86

p-Isopropyltoluene

Concen: 18.828 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

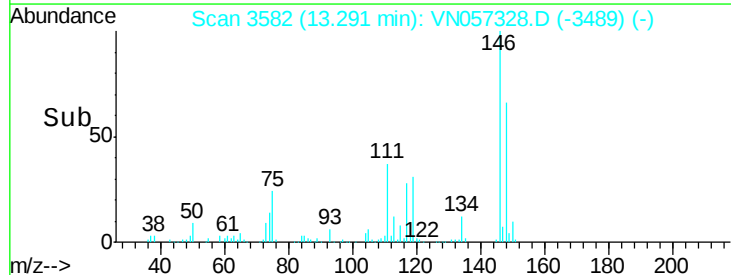
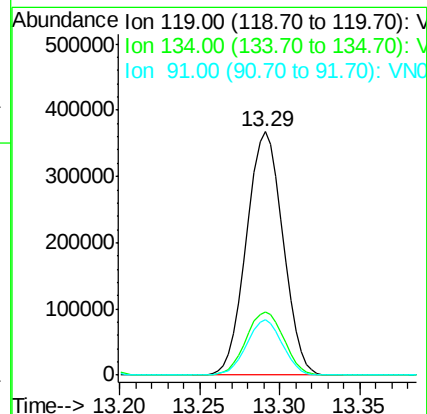
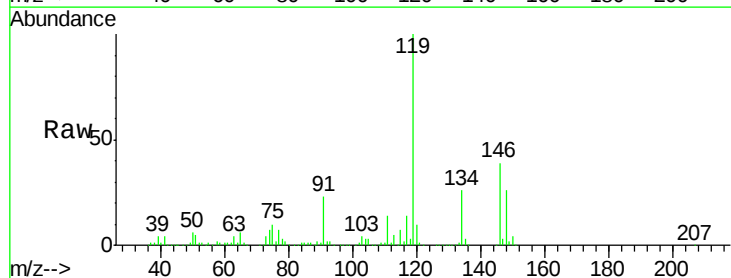
Tgt Ion:119 Resp: 570551

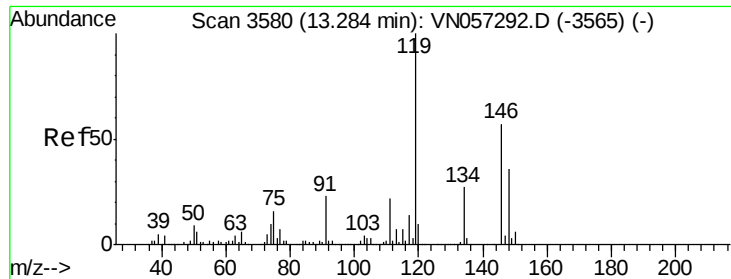
Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

91 22.1 11.2 33.5





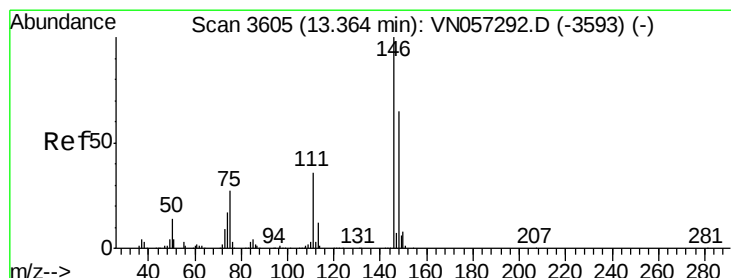
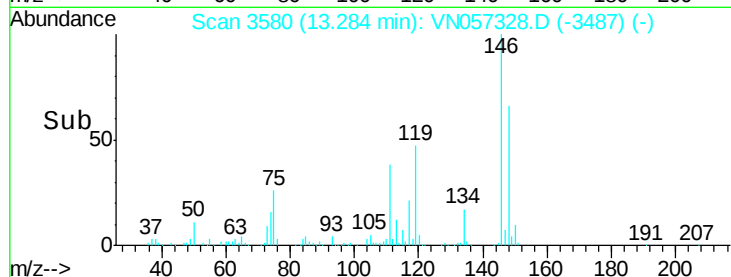
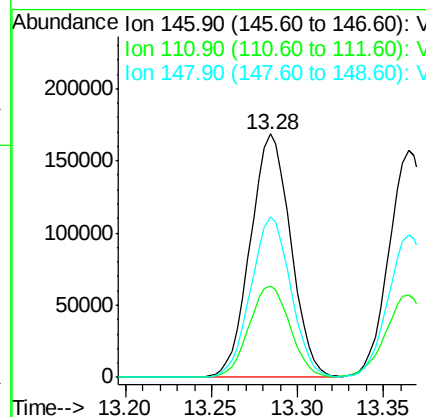
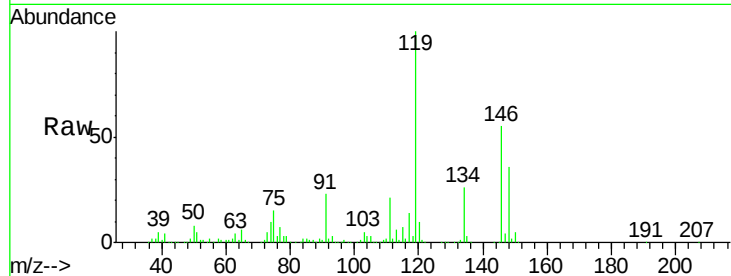
#87
 1,3-Dichlorobenzene
 Concen: 19.113 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816MBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	275185		
111	38.0		18.7	56.1
148	65.3		31.7	95.1

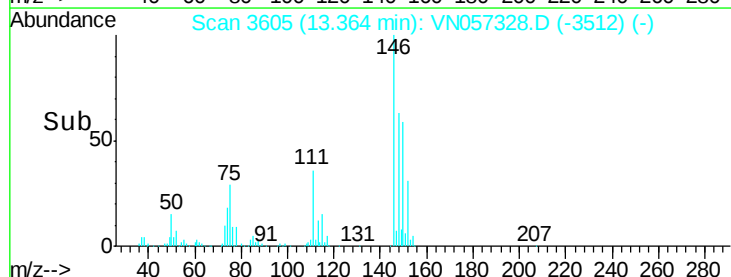
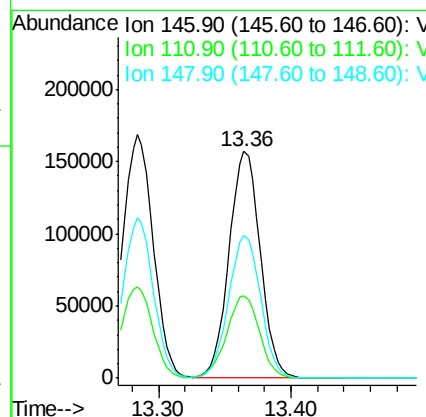
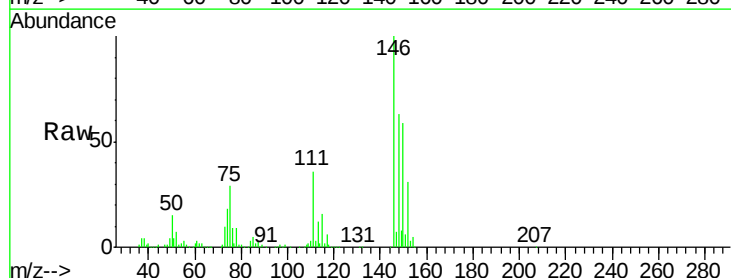
Manual Integrations
 APPROVED

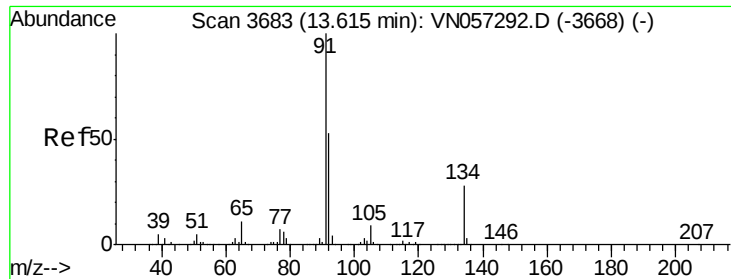
MMdadoda
 8/19/2019 1:54:07 AM



#88
 1,4-Dichlorobenzene
 Concen: 18.847 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	257581		
111	38.0		18.4	55.4
148	64.4		32.5	97.4





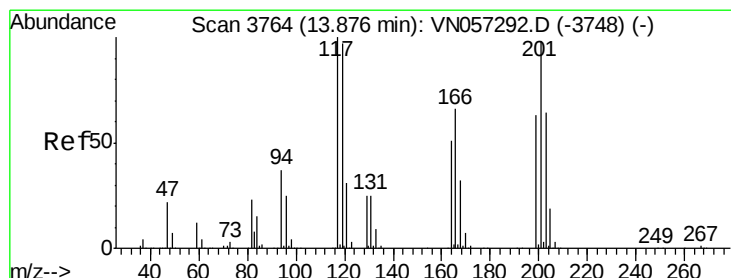
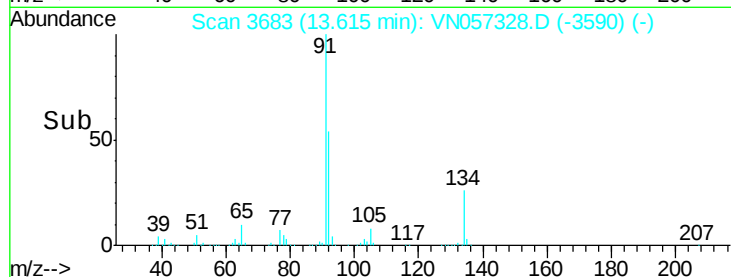
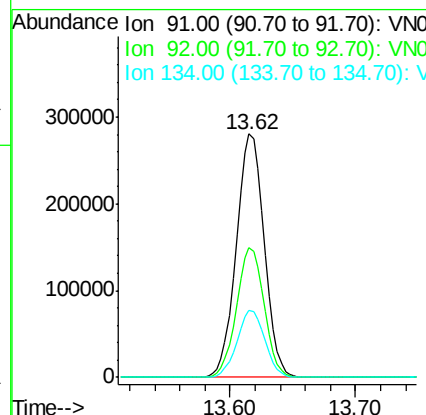
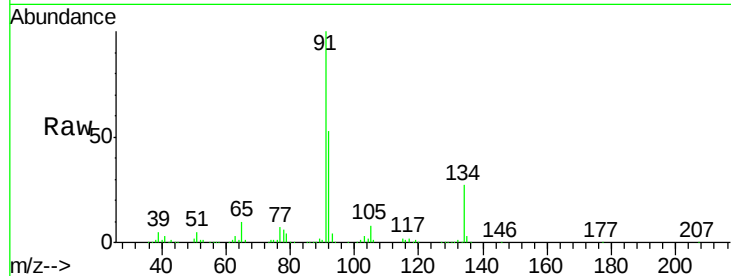
#89
n-Butylbenzene
Concen: 20.021 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Instrument :
MSVOA_N
ClientSampleId :
VN0816MBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.2	78.6
134	27.3	13.9	41.7

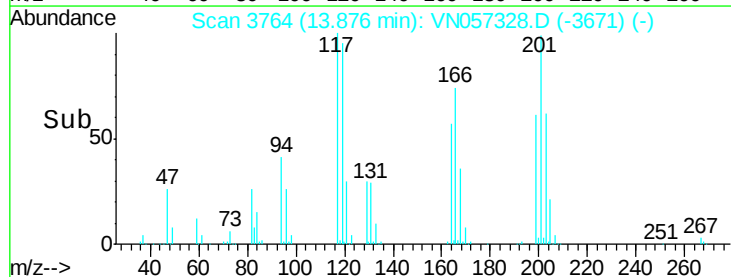
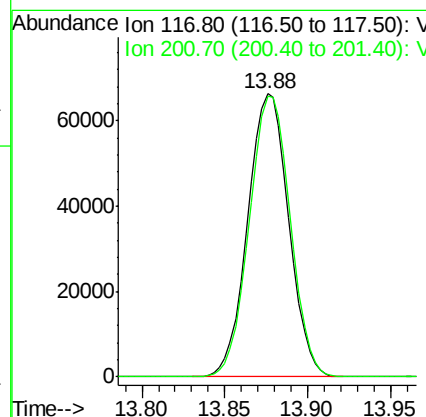
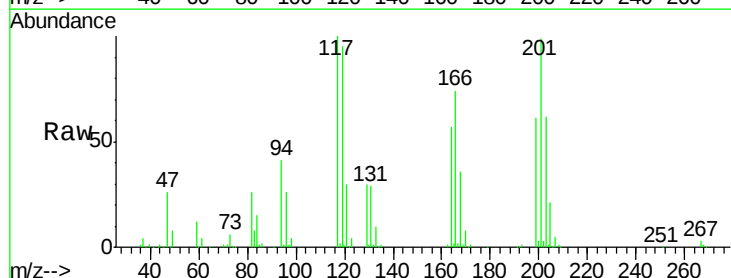
Manual Integrations
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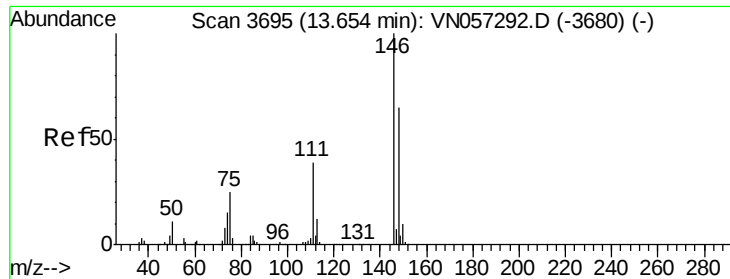
MMdadoda
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#90
Hexachloroethane
Concen: 20.780 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN057328.D
Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	99.3	48.4	145.0





#91

1,2-Dichlorobenzene

Concen: 19.825 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. 0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

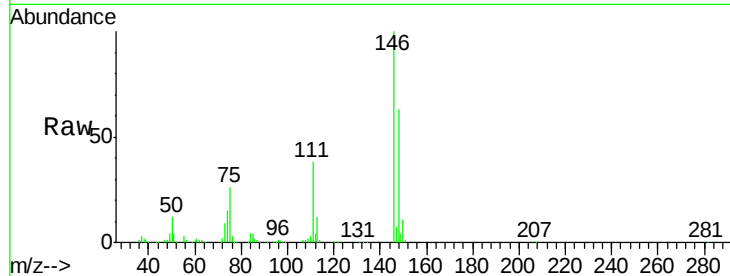
ClientSampleId :

VN0816MBS01

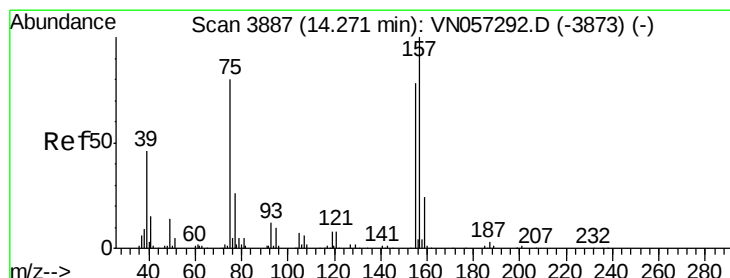
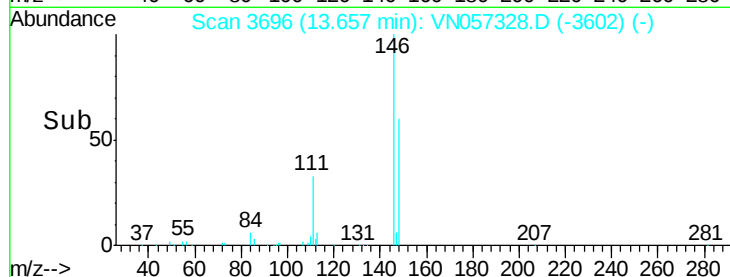
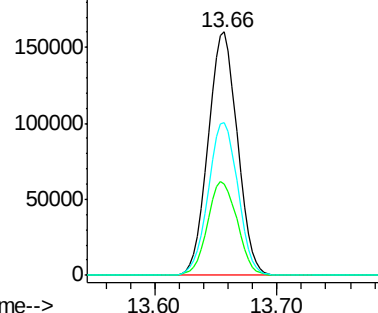
Tot Ion:	146	Resp:	266074
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.7	59.1
148	63.6	32.0	96.0

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.233 ug/l

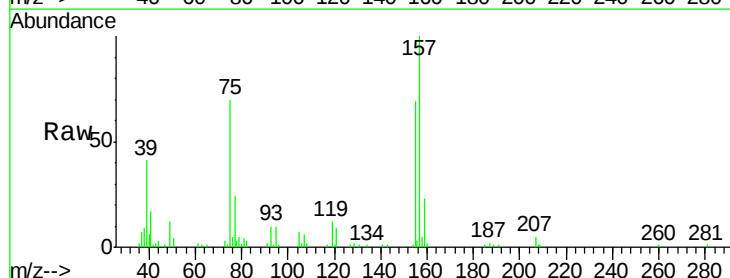
RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

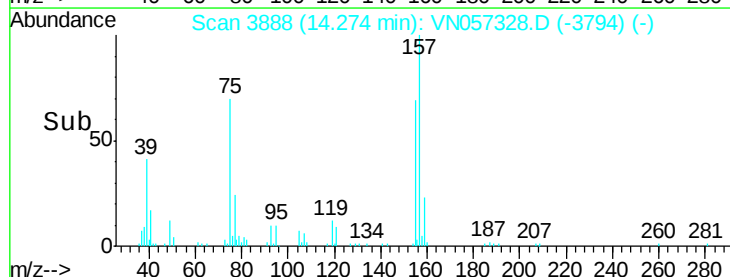
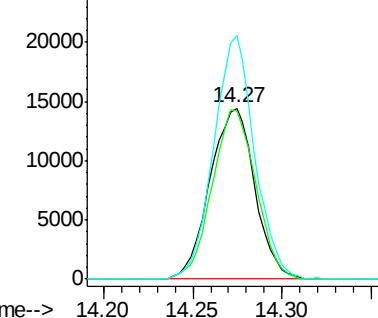
Lab File: VN057328.D

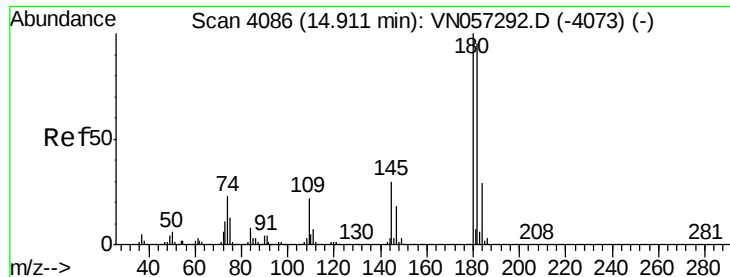
Acq: 15 Aug 2019 13:50

Tgt Ion:	75	Resp:	25253
Ion Ratio	Lower	Upper	
75	100		
155	96.6	49.6	148.8
157	129.5	63.7	191.1



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





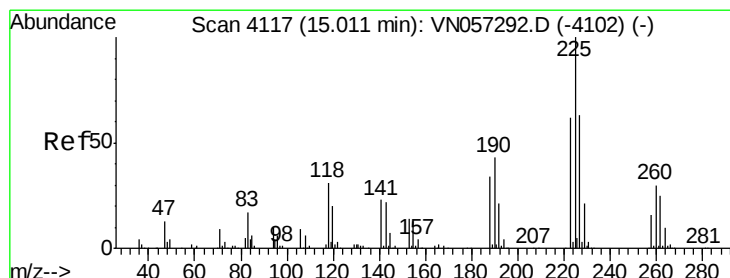
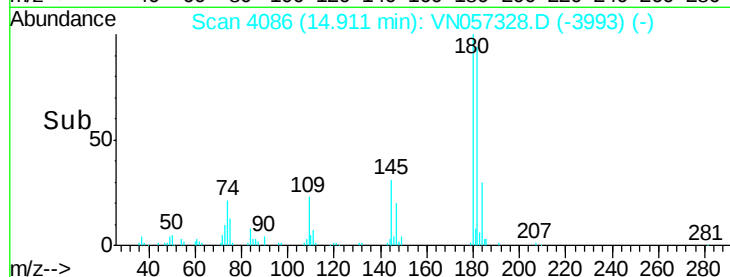
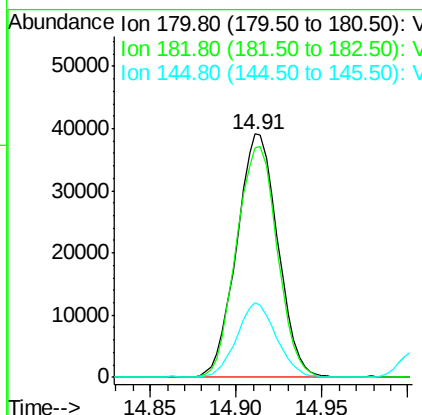
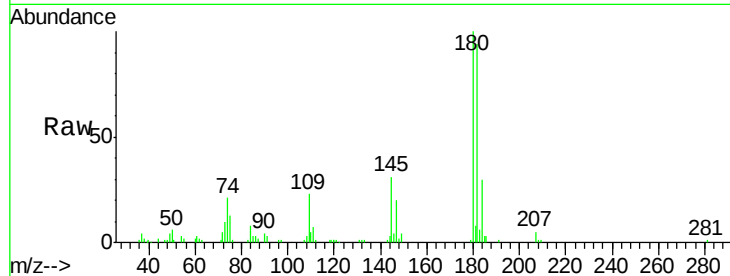
#93
 1,2,4-Trichlorobenzene
 Concen: 16.173 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0816MBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	48.0	144.2
145	29.4	14.5	43.6

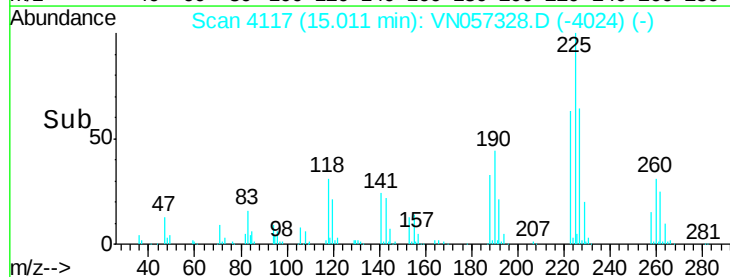
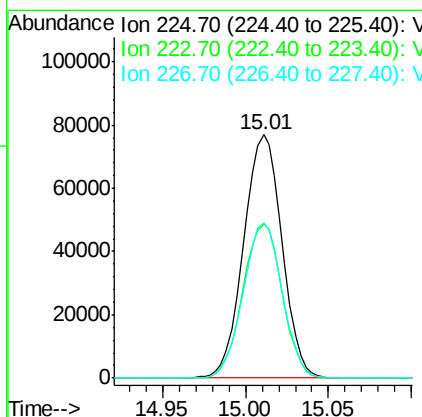
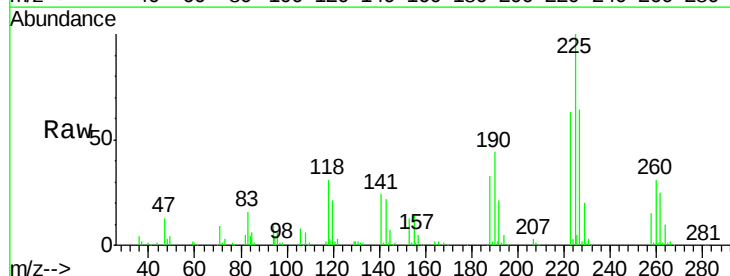
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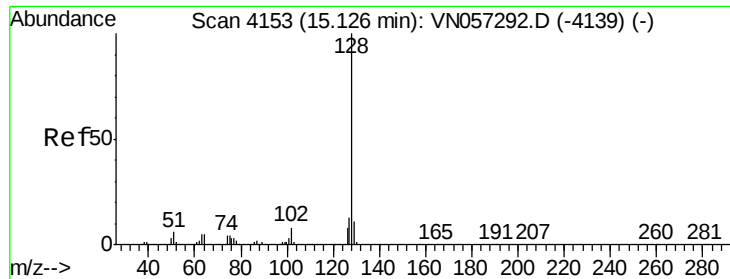
MMDadoda
 8/19/2019 1:54:07 AM



#94
 Hexachlorobutadiene
 Concen: 21.422 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN057328.D
 Acq: 15 Aug 2019 13:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	30.7	92.1
227	64.7	30.9	92.7





#95

Naphthalene

Concen: 18.939 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Instrument :

MSVOA_N

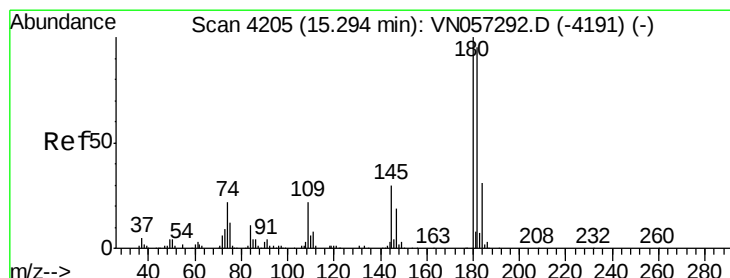
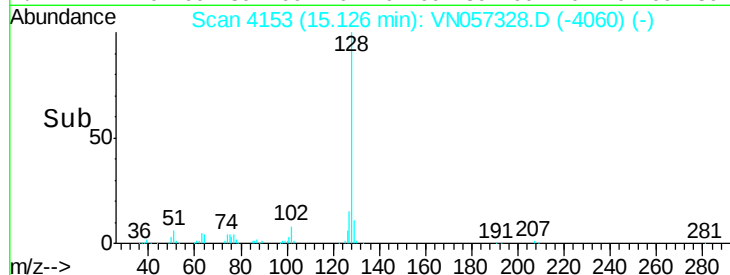
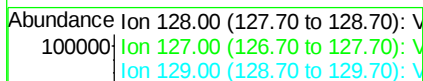
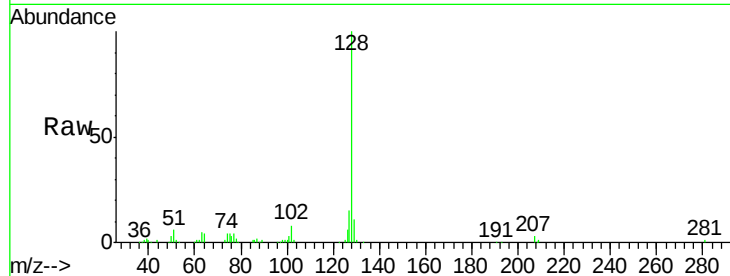
ClientSampleId :

VN0816MBS01

Tot Ion:	128	Resp:	125486
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.5	15.7
129	11.1	8.8	13.2

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#96

1,2,3-Trichlorobenzene

Concen: 19.674 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. -0.00 min

Lab File: VN057328.D

Acq: 15 Aug 2019 13:50

Tgt Ion:	180	Resp:	64538
Ion Ratio	Lower	Upper	
180	100		
182	92.8	47.9	143.6
145	29.0	15.1	45.3

