

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081519\
 Data File : VN057290.D
 Acq On : 14 Aug 2019 16:39
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMdadoda
 8/19/2019 1:53:14 AM

Quant Time: Aug 15 08:22:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 14 19:33:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	850535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1273544	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1101494	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	319100	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	49207	5.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.48%	
35) Dibromofluoromethane	7.58	113	45460	5.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.28%	
50) Toluene-d8	10.08	98	143684	4.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.78%	
62) 4-Bromofluorobenzene	12.40	95	51113	5.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	39947	5.605	ug/l	96
3) Chloromethane	2.06	50	46837	5.791	ug/l	98
4) Vinyl Chloride	2.18	62	45681	5.829	ug/l	95
5) Bromomethane	2.53	94	34879m	6.316	ug/l	
6) Chloroethane	2.68	64	29970	5.900	ug/l	94
7) Trichlorofluoromethane	3.01	101	70217	5.671	ug/l	100
8) Diethyl Ether	3.40	74	26339	5.834	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.75	101	39906	5.372	ug/l	97
10) Methyl Iodide	3.95	142	59273	5.146	ug/l	98
11) Tert butyl alcohol	4.77	59	32475	27.588	ug/l #	80
12) 1,1-Dichloroethene	3.73	96	40028	5.417	ug/l	89
13) Acrolein	3.60	56	24747	30.546	ug/l	96
14) Allyl chloride	4.32	41	62884	5.581	ug/l	100
15) Acrylonitrile	4.98	53	92414	28.151	ug/l	99
16) Acetone	3.81	43	90746	30.827	ug/l	99
17) Carbon Disulfide	4.05	76	103113	5.129	ug/l	96
18) Methyl Acetate	4.31	43	66414	6.573	ug/l	95
19) Methyl tert-butyl Ether	5.03	73	122832	5.534	ug/l	96
20) Methylene Chloride	4.54	84	49473	5.750	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	44036	5.602	ug/l	95
22) Diisopropyl ether	5.94	45	129680	5.834	ug/l	98
23) Vinyl Acetate	5.88	43	493903	28.011	ug/l	100
24) 1,1-Dichloroethane	5.84	63	77949	5.597	ug/l	97
25) 2-Butanone	6.82	43	124122	29.373	ug/l	100
26) 2,2-Dichloropropane	6.82	77	63155	5.557	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	50563	5.566	ug/l	98
28) Bromochloromethane	7.19	49	35004	5.644	ug/l	100
29) Tetrahydrofuran	7.20	42	75937	28.154	ug/l	99
30) Chloroform	7.36	83	82436	5.656	ug/l	90
31) Cyclohexane	7.65	56	75839	6.264	ug/l #	77
32) 1,1,1-Trichloroethane	7.56	97	66384	5.387	ug/l	98
36) 1,1-Dichloropropene	7.79	75	59546	5.387	ug/l	99
37) Ethyl Acetate	6.92	43	49328	5.451	ug/l	99
38) Carbon Tetrachloride	7.77	117	61784	5.255	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.08	83	69872	5.347	ug/l	98
40) Benzene	8.03	78	183426	5.429	ug/l	98
41) Methacrylonitrile	7.16	41	22601	5.978	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	59581	5.490	ug/l	99
43) Isopropyl Acetate	8.16	43	93855	6.240	ug/l #	89
44) Trichloroethene	8.83	130	51692	5.309	ug/l	99
45) 1,2-Dichloropropane	9.11	63	46721	5.450	ug/l	97
46) Dibromomethane	9.20	93	30746	5.333	ug/l	100
47) Bromodichloromethane	9.40	83	58431	5.246	ug/l	100
48) Methyl methacrylate	9.19	41	37445	5.429	ug/l	98
49) 1,4-Dioxane	9.19	88	16523	106.657	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	238658	27.247	ug/l	100
52) Toluene	10.15	92	112826	5.383	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	63856	5.361	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	68952	5.138	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	43100	5.239	ug/l	96
56) Ethyl methacrylate	10.43	69	60610	5.219	ug/l	98
57) 1,3-Dichloropropane	10.71	76	74539	5.487	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	65615	22.468	ug/l	100
59) 2-Hexanone	10.75	43	168357	27.045	ug/l	99
60) Dibromochloromethane	10.90	129	46590	5.048	ug/l	97
61) 1,2-Dibromoethane	11.00	107	46004	5.381	ug/l	97
64) Tetrachloroethene	10.63	164	54315	5.609	ug/l	99
65) Chlorobenzene	11.43	112	121389	5.413	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	44275	5.111	ug/l	96
67) Ethyl Benzene	11.51	91	204191	5.320	ug/l	98
68) m/p-Xylenes	11.62	106	146666	10.229	ug/l	98
69) o-Xylene	11.95	106	72909	5.187	ug/l	98
70) Styrene	11.96	104	105830	4.870	ug/l	100
71) Bromoform	12.13	173	32585	4.893	ug/l #	98
73) Isopropylbenzene	12.25	105	189216	6.394	ug/l	100
74) N-amyl acetate	12.07	43	56682	6.564	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	55738	6.561	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	47764m	7.076	ug/l	
77) Bromobenzene	12.53	156	49056	6.090	ug/l	98
78) n-propylbenzene	12.59	91	175703	5.897	ug/l	99
79) 2-Chlorotoluene	12.67	91	116312	6.107	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	147743	6.157	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	14751	6.132	ug/l	86
82) 4-Chlorotoluene	12.77	91	101486	5.821	ug/l	98
83) tert-Butylbenzene	12.99	119	140667	6.280	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	136656	6.089	ug/l	99
85) sec-Butylbenzene	13.17	105	162546	6.058	ug/l	99
86) p-Isopropyltoluene	13.29	119	139163	5.949	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	59844	5.431	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	57223	5.349	ug/l	94
89) n-Butylbenzene	13.62	91	95193	5.790	ug/l	98
90) Hexachloroethane	13.88	117	28492	6.233	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	53114	4.956	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	5467	5.119	ug/l	87

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MSVOA_N
ClientSampleId :
VSTDICC005

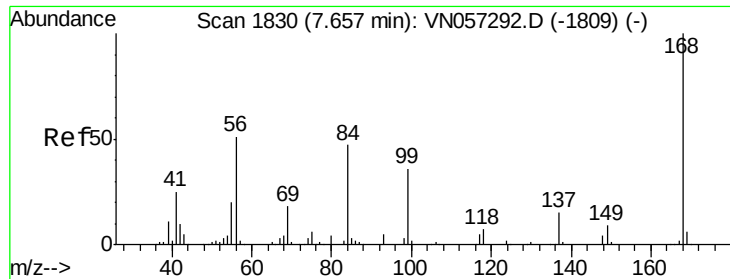
Manual Integrations
APPROVED

MMdadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	11439	2.974	ug/l	96
94) Hexachlorobutadiene	15.01	225	29750	5.770	ug/l	96
95) Naphthalene	15.13	128	26001	3.442	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	10903	2.797	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 850535

Ion Ratio Lower Upper

168 100

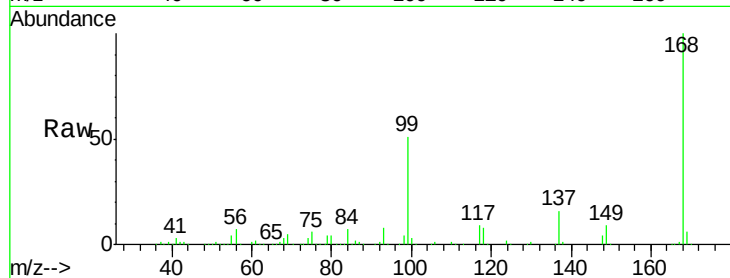
99 50.4 39.4 59.2

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

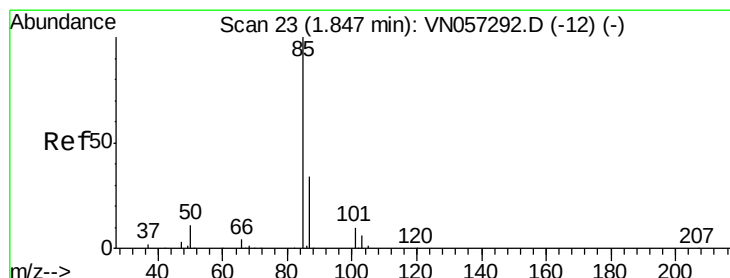
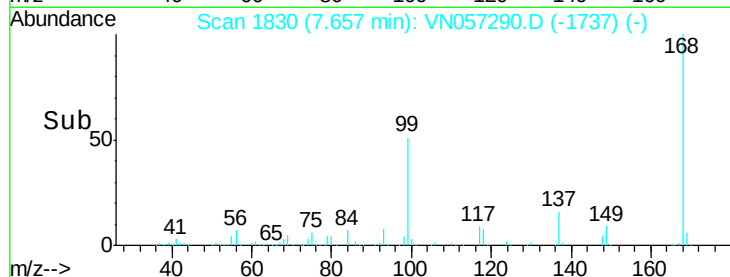
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200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.605 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057290.D

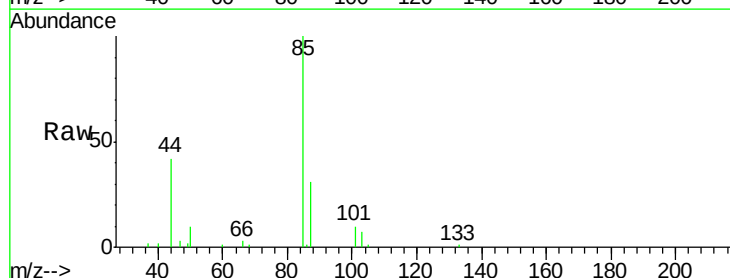
Acq: 14 Aug 2019 16:39

Tgt Ion: 85 Resp: 39947

Ion Ratio Lower Upper

85 100

87 31.3 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

30000

25000

20000

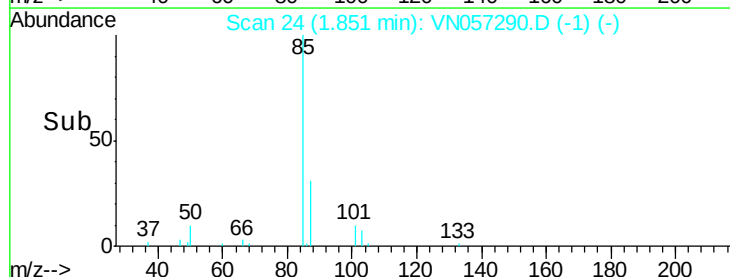
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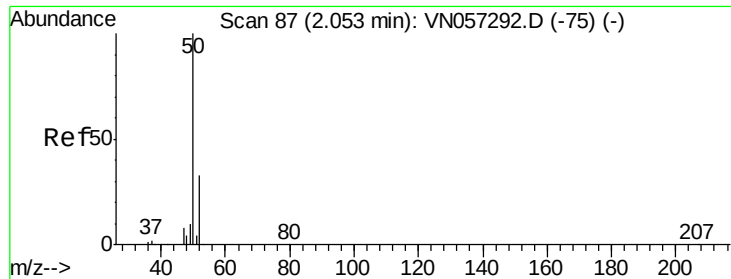
10000

5000

0

Time-->





#3

Chloromethane

Concen: 5.791 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Tot Ion: 50 Resp: 46837

Ion Ratio Lower Upper

50 100

52 32.5 26.8 40.2

Instrument :

MSVOA_N

ClientSampleId :

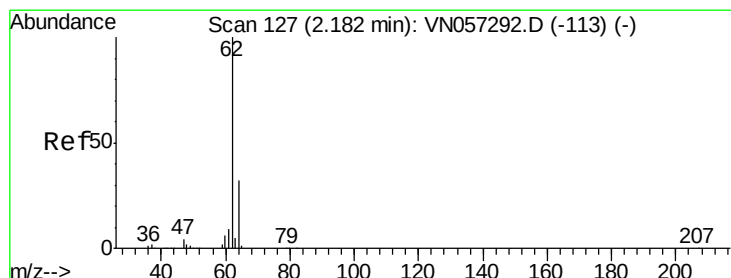
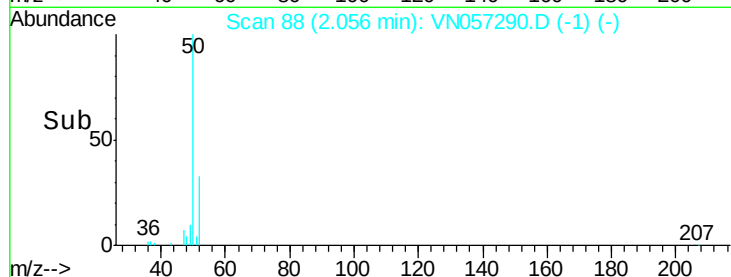
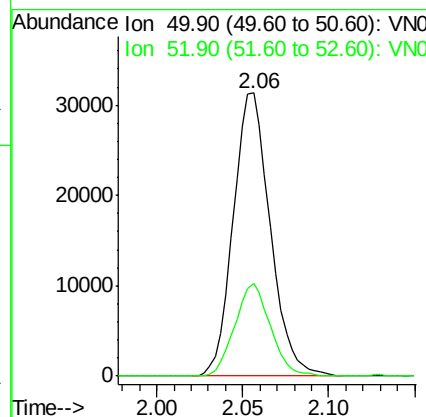
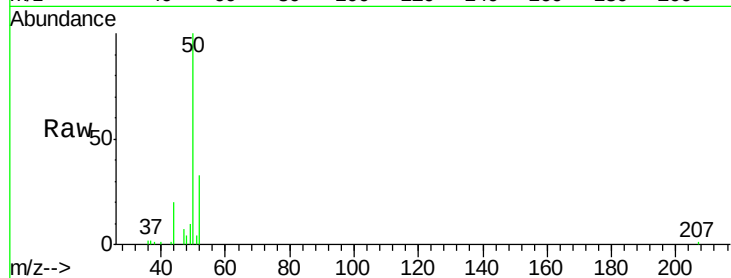
VSTDIC005

Manual Integrations

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#4

Vinyl Chloride

Concen: 5.829 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057290.D

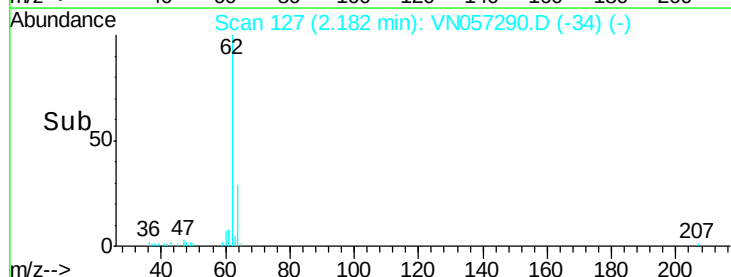
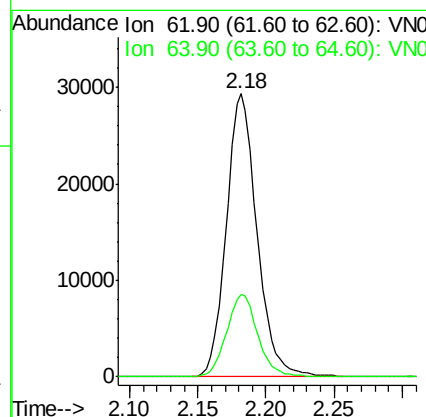
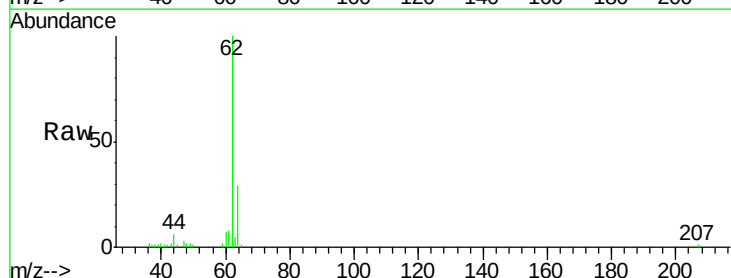
Acq: 14 Aug 2019 16:39

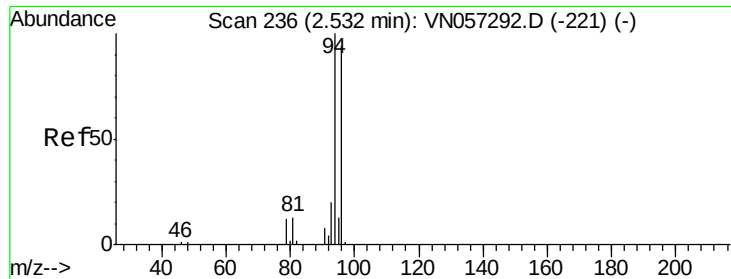
Tgt Ion: 62 Resp: 45681

Ion Ratio Lower Upper

62 100

64 29.3 25.9 38.9





#5

Bromomethane

Concen: 6.316 ug/l m

RT: 2.53 min Scan# 235

Delta R.T. -0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 34879

Ion Ratio Lower Upper

94 100

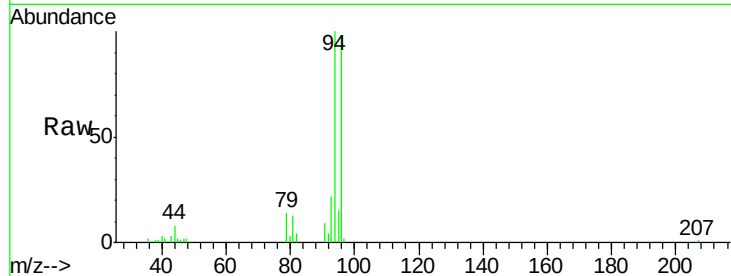
96 98.2 75.0 112.6

Manual Integrations

APPROVED

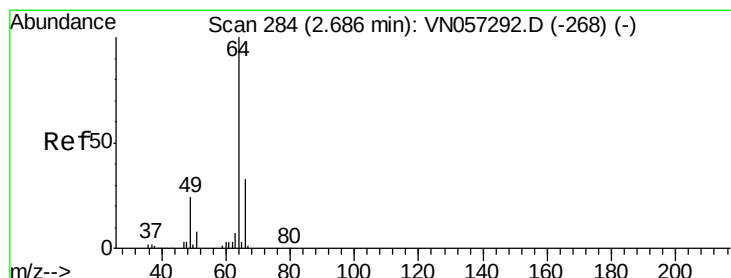
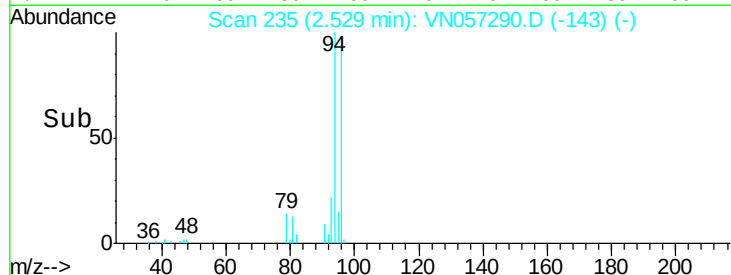
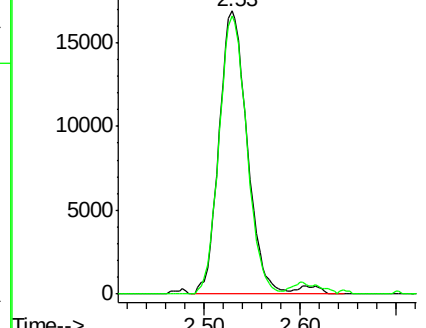
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 5.900 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN057290.D

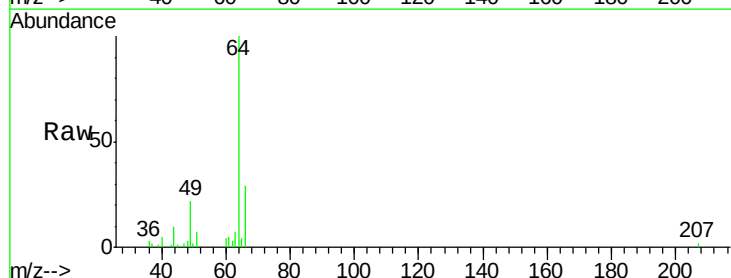
Acq: 14 Aug 2019 16:39

Tgt Ion: 64 Resp: 29970

Ion Ratio Lower Upper

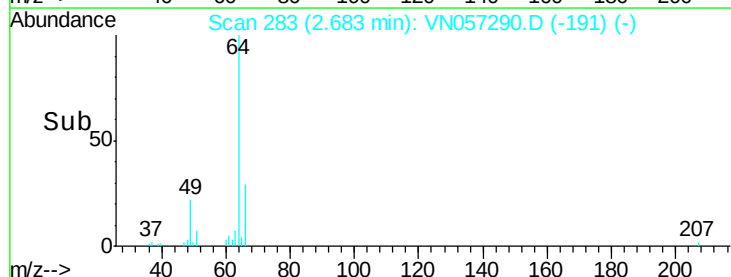
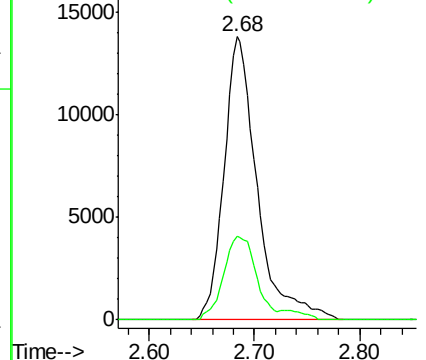
64 100

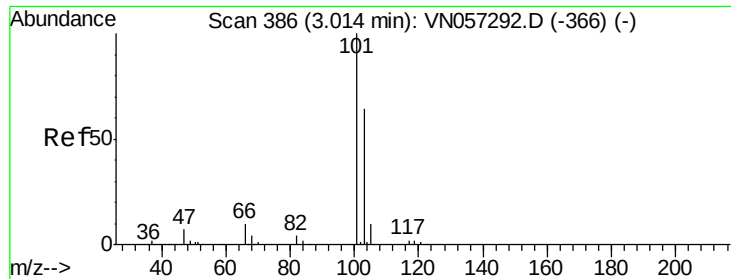
66 29.4 26.4 39.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

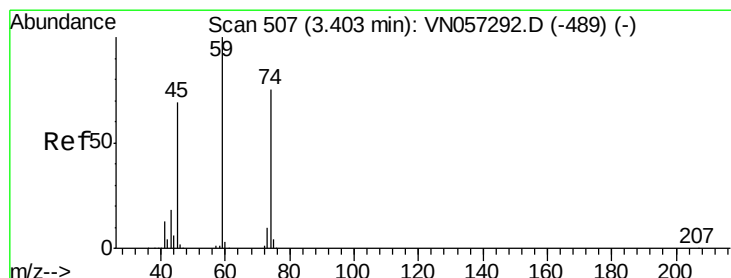
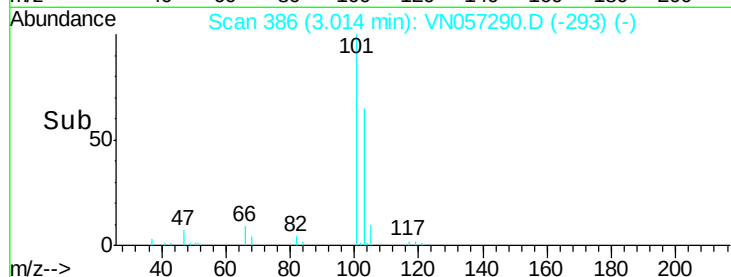
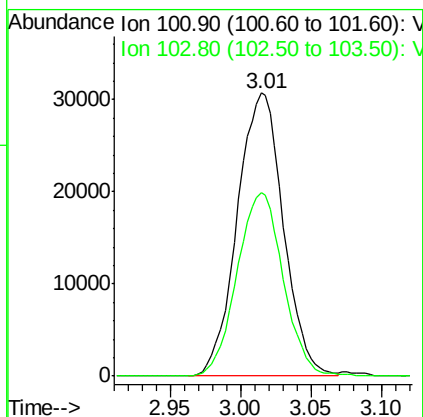
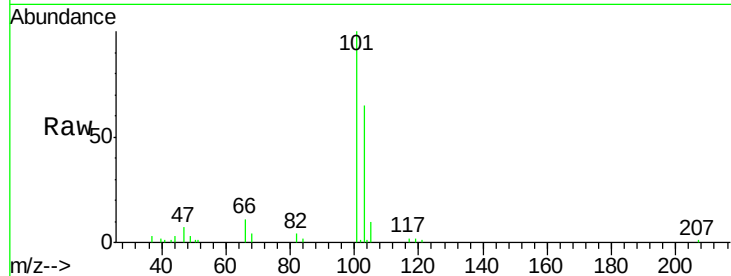
Trichlorofluoromethane
Concen: 5.671 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.5	77.3

Manual Integrations
APPROVED

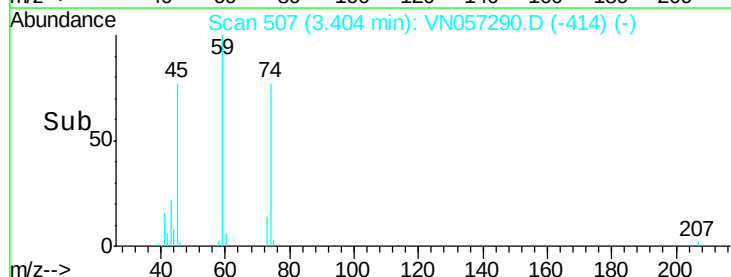
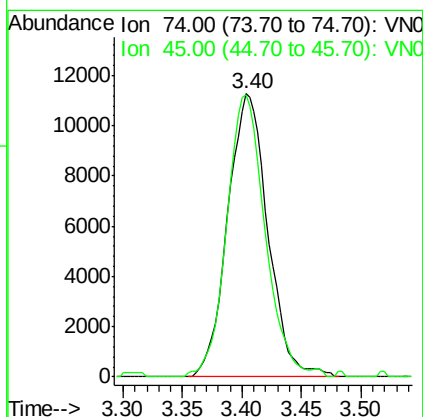
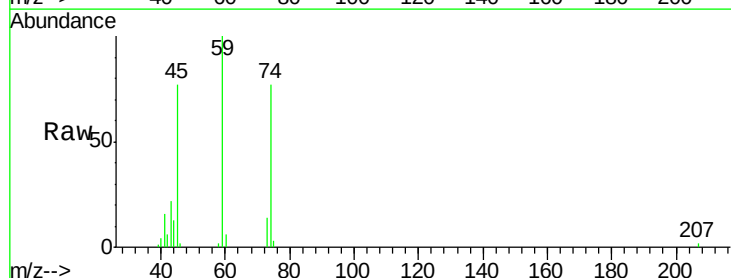
MMdadoda
8/19/2019 1:53:14 AM

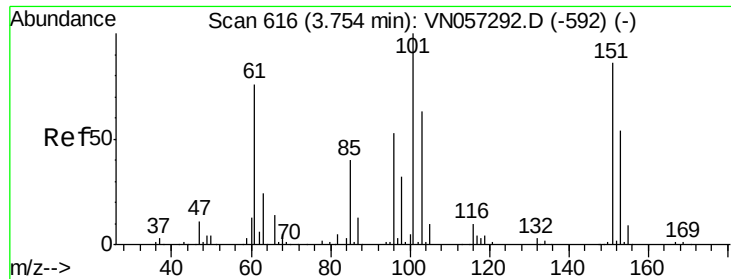


#8

Diethyl Ether
Concen: 5.834 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	45.9	137.6





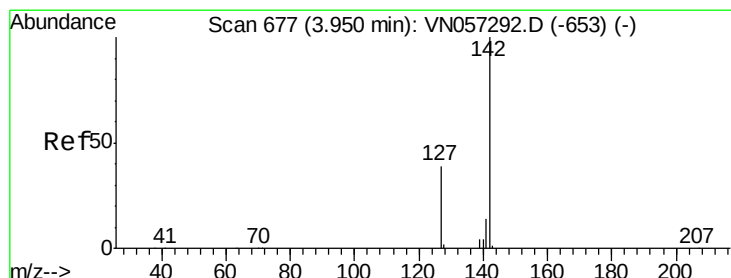
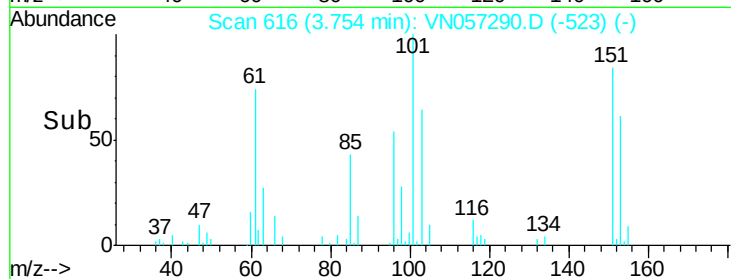
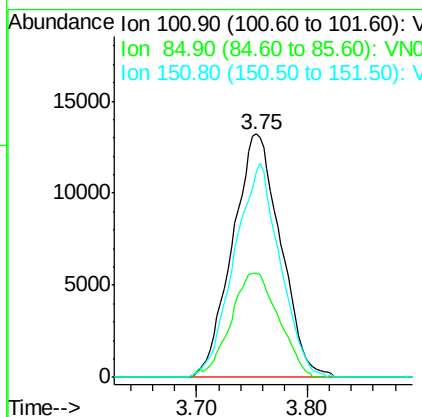
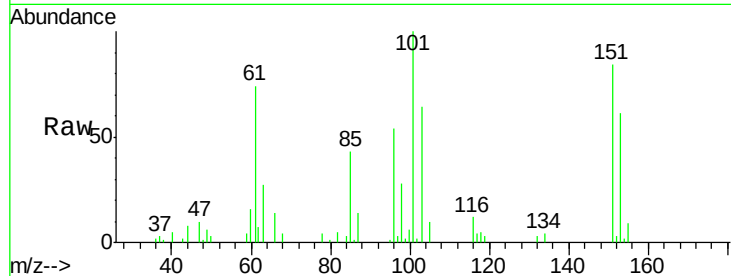
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 5.372 ug/l
 RT: 3.75 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.0	32.7	49.1
151	83.7	69.1	103.7

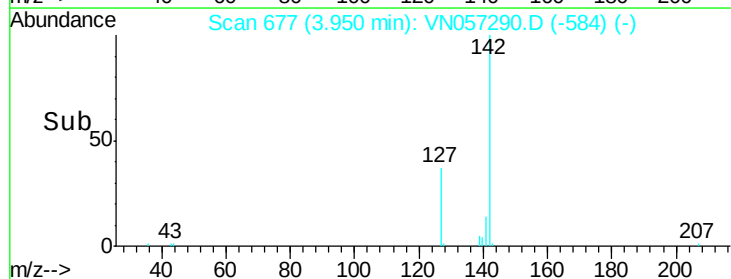
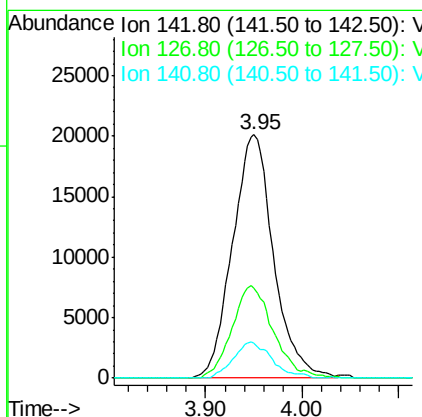
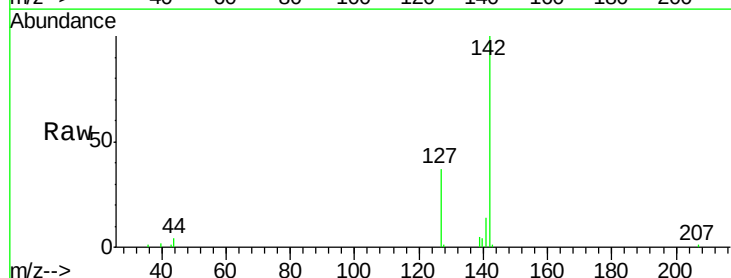
Manual Integrations
 APPROVED

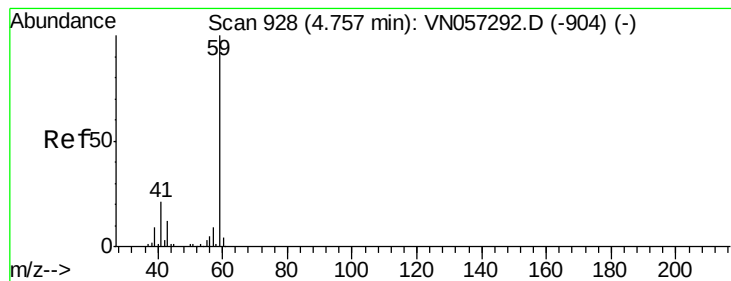
MMDadoda
 8/19/2019 1:53:14 AM



#10
 Methyl Iodide
 Concen: 5.146 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
142	100		
127	38.2	31.6	47.4
141	13.9	11.2	16.8





#11

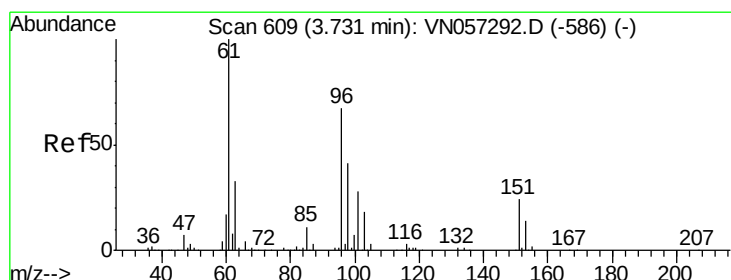
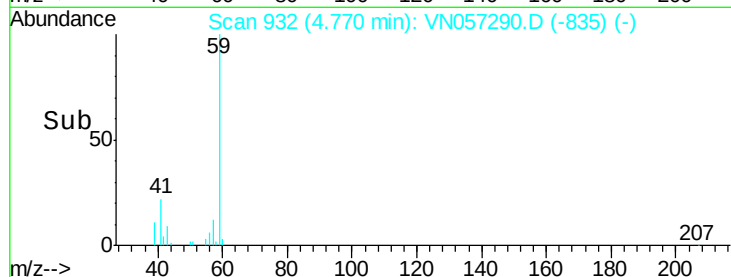
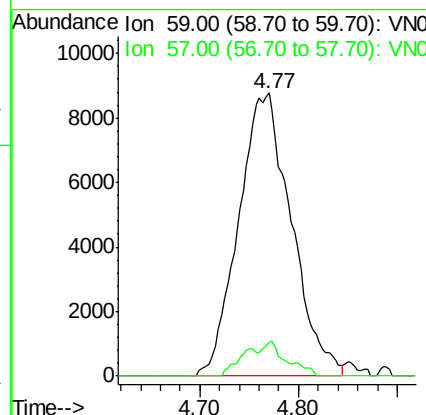
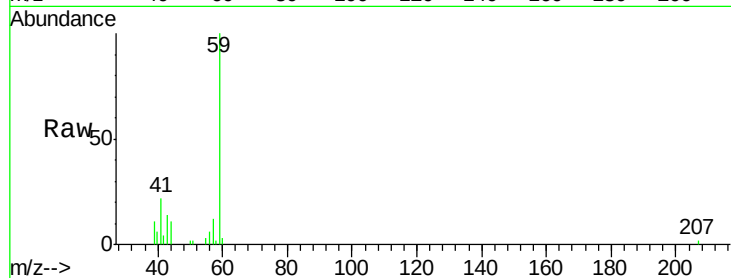
Tert butyl alcohol
Concen: 27.588 ug/l
RT: 4.77 min Scan# 932
Delta R.T. 0.01 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	2.6	8.2	12.2#

Manual Integrations
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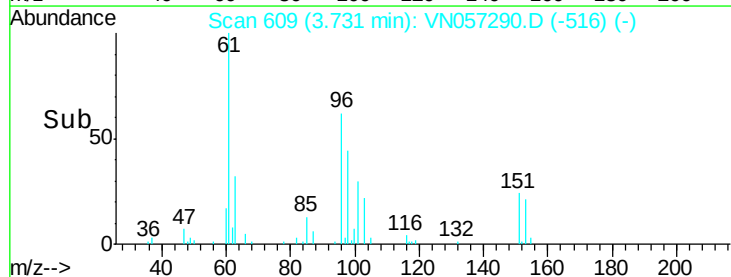
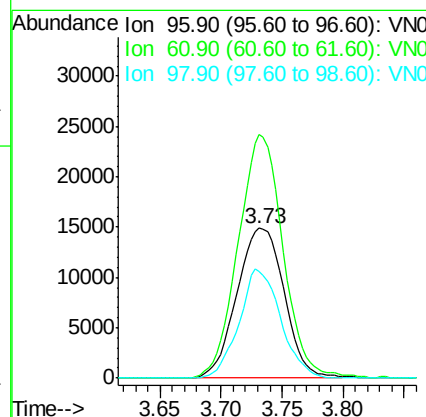
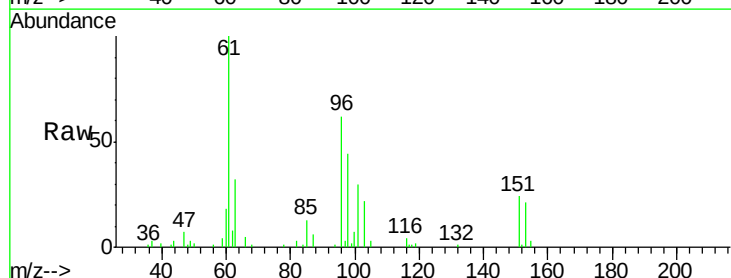
MMDadoda
8/19/2019 1:53:14 AM

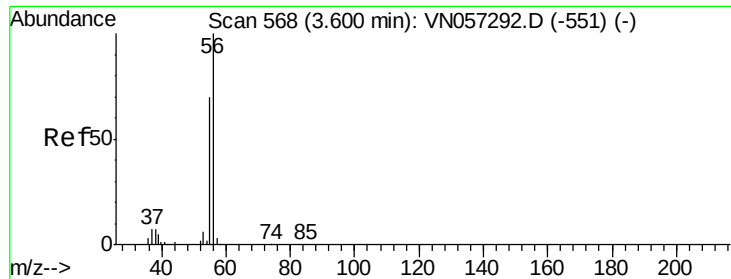


#12

1,1-Dichloroethene
Concen: 5.417 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.2	119.7	179.5
98	71.3	49.0	73.4





#13

Acrolein

Concen: 30.546 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 24747

Ion Ratio Lower Upper

56 100

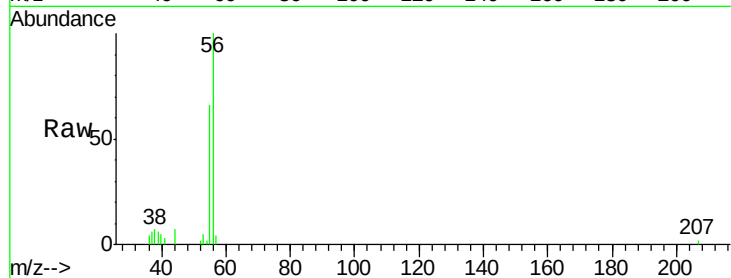
55 67.8 56.6 84.8

Manual Integrations

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MMdadoda

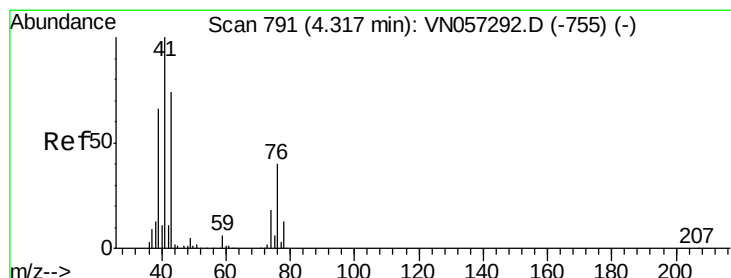
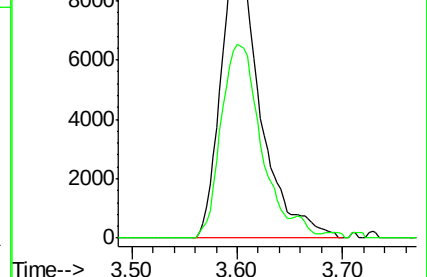
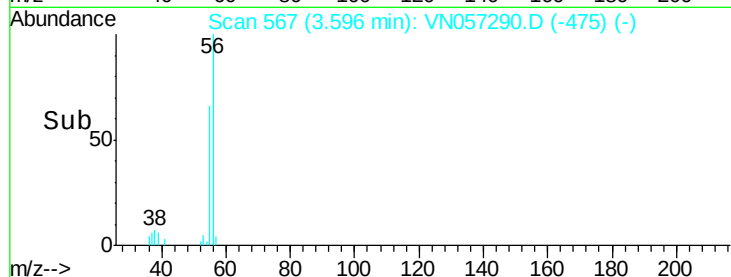
8/19/2019 1:53:14 AM



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.60



#14

Allyl chloride

Concen: 5.581 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

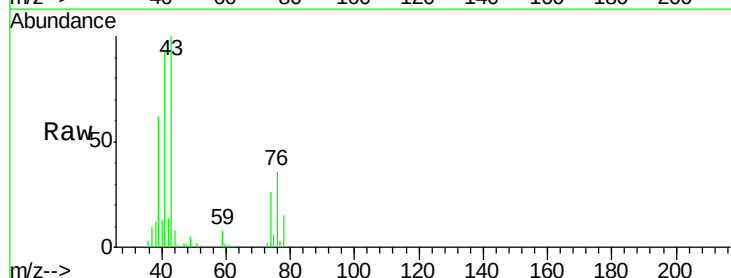
Tgt Ion: 41 Resp: 62884

Ion Ratio Lower Upper

41 100

39 61.0 49.0 73.6

76 35.9 29.0 43.4

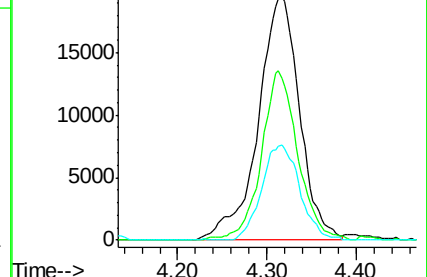
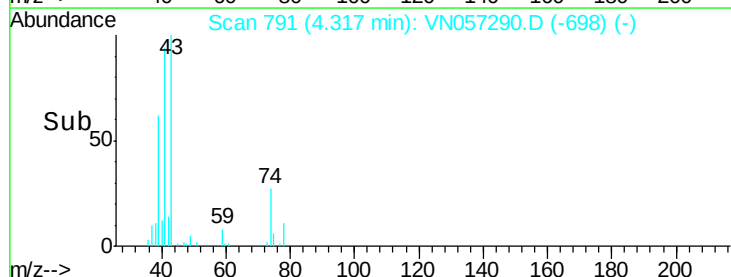


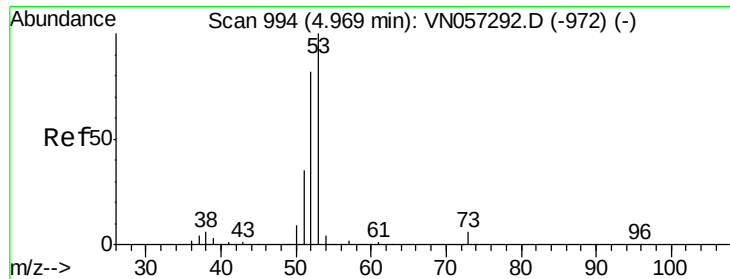
Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO

4.32





#15

Acrylonitrile

Concen: 28.151 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.01 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

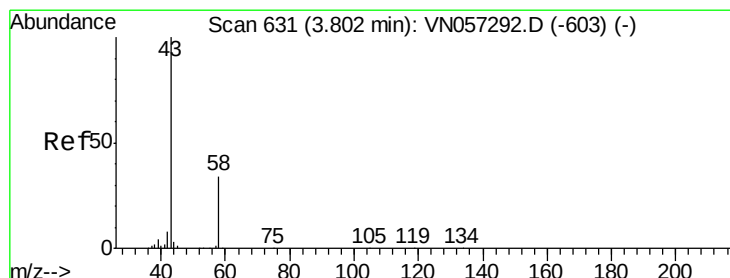
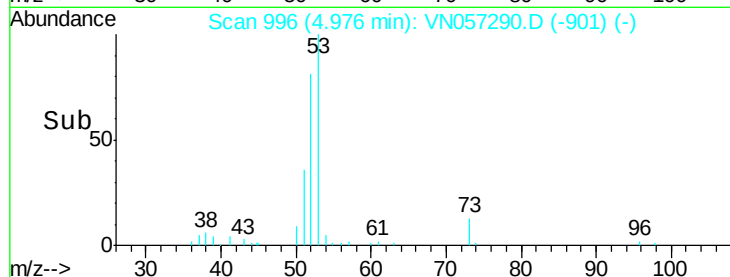
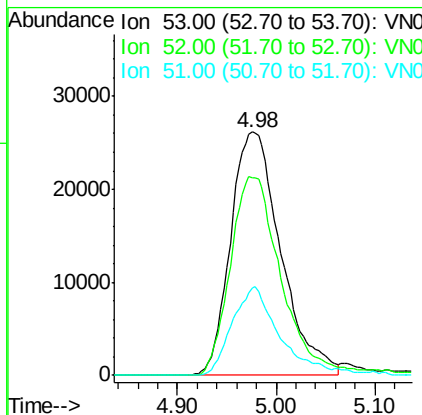
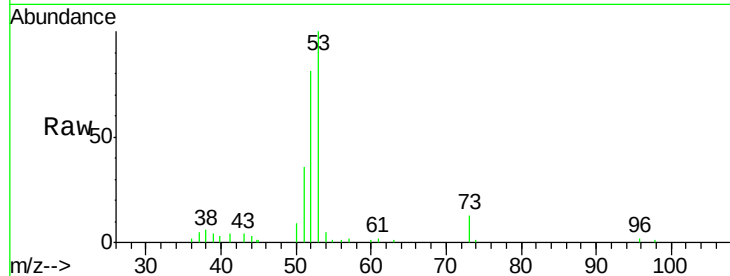
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	92414
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.2	99.2
51	34.5	28.5	42.7

Manual Integrations
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MMdadoda
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#16

Acetone

Concen: 30.827 ug/l

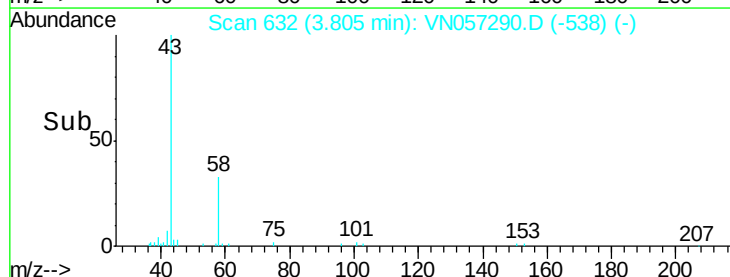
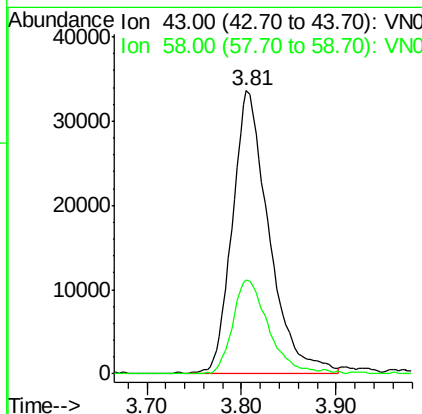
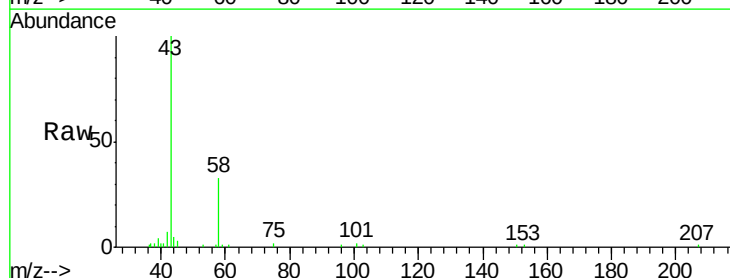
RT: 3.81 min Scan# 632

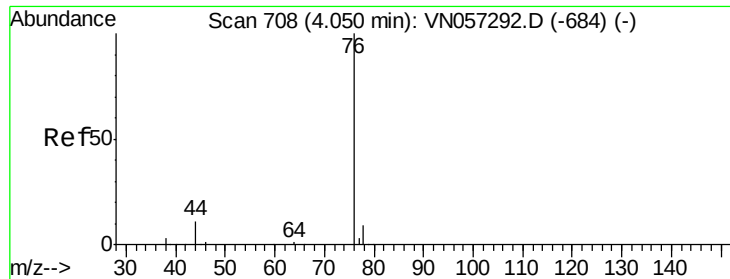
Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Tgt Ion:	43	Resp:	90746
Ion	Ratio	Lower	Upper
43	100		
58	33.1	27.0	40.6





#17

Carbon Disulfide

Concen: 5.129 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 103113

Ion Ratio Lower Upper

76 100

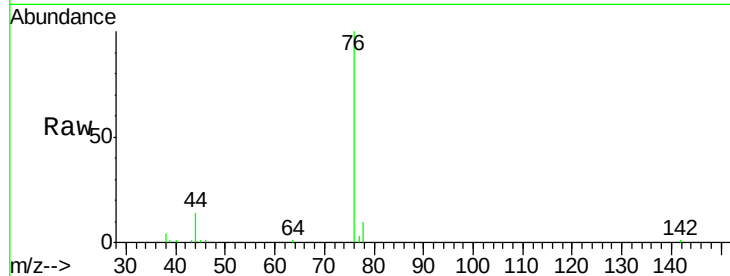
78 10.4 7.0 10.6

Manual Integrations

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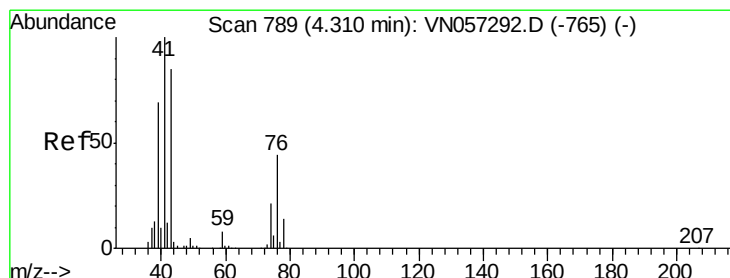
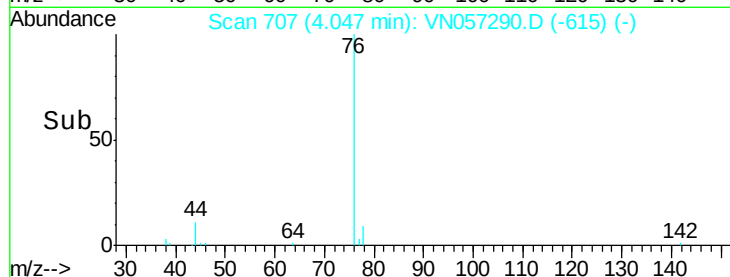
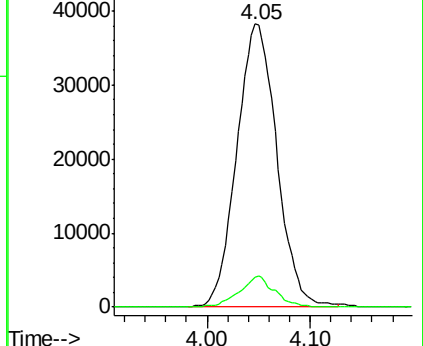
MMdadoda

8/19/2019 1:53:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 6.573 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057290.D

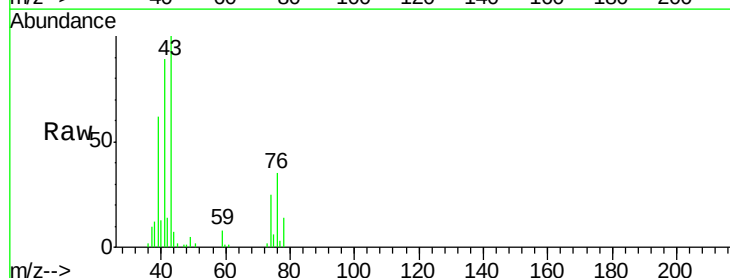
Acq: 14 Aug 2019 16:39

Tgt Ion: 43 Resp: 66414

Ion Ratio Lower Upper

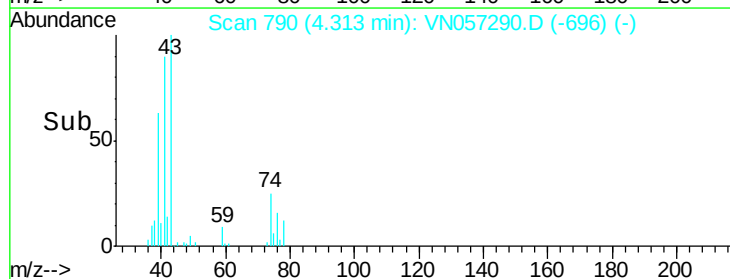
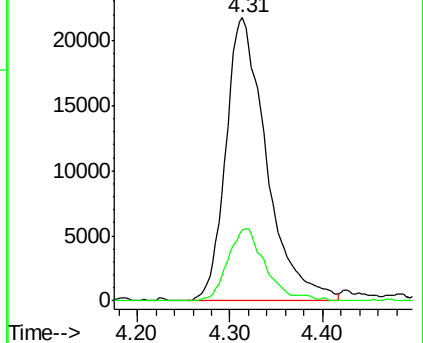
43 100

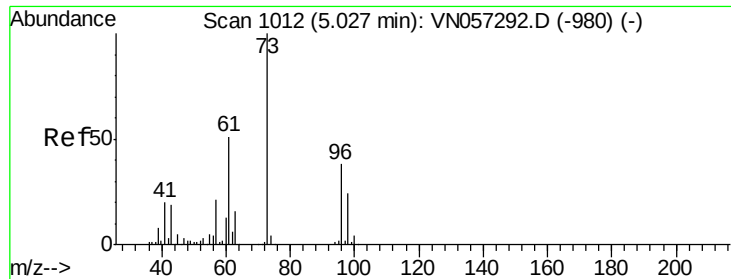
74 22.7 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





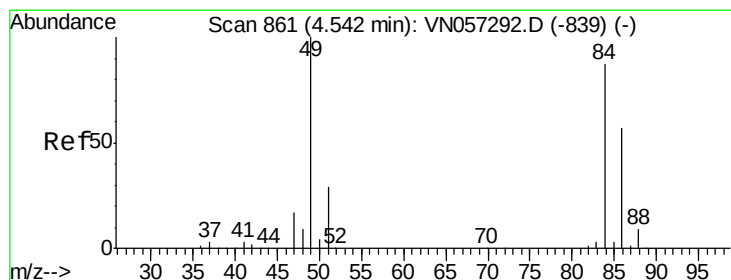
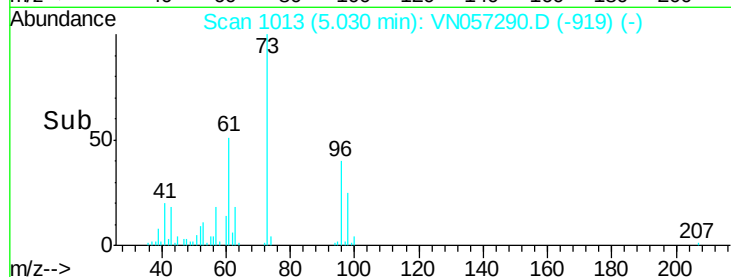
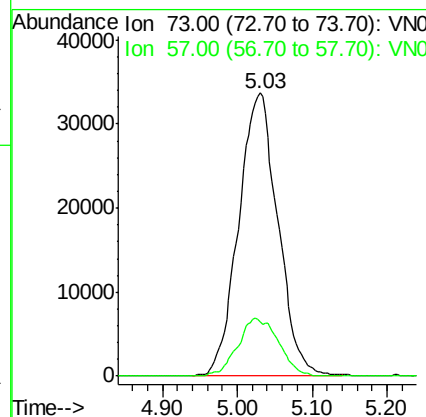
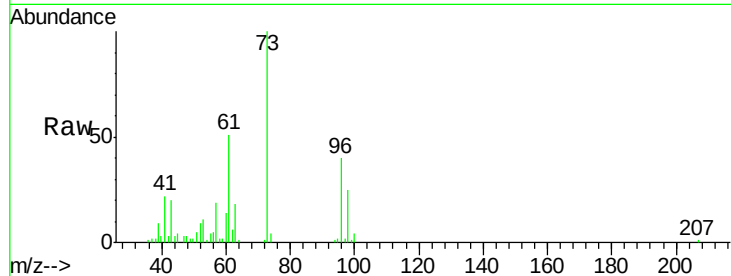
#19
Methyl tert-butyl Ether
Concen: 5.534 ug/l
RT: 5.03 min Scan# 1013
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.1	16.9	25.3

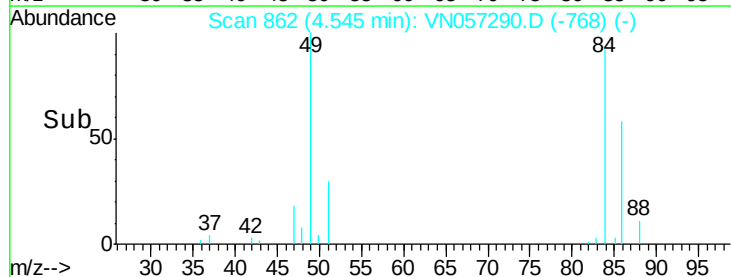
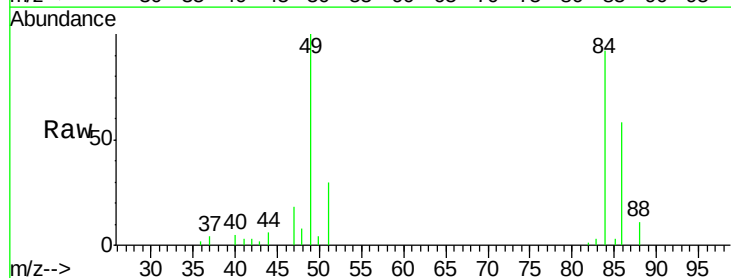
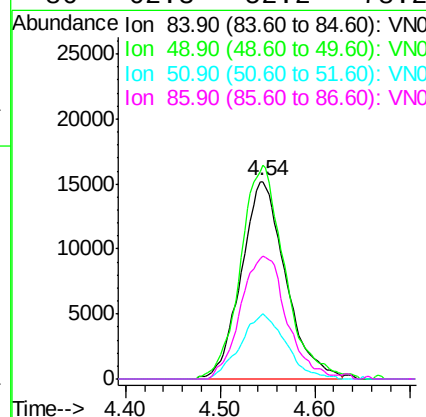
Manual Integrations
APPROVED

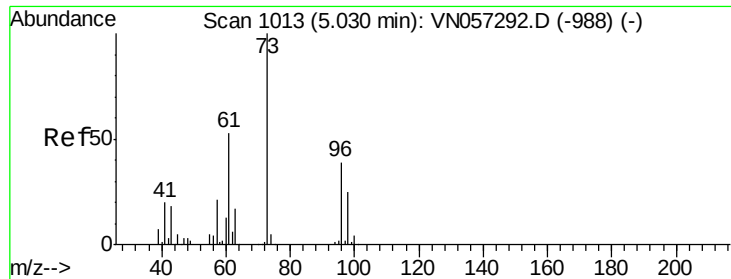
MMdadoda
8/19/2019 1:53:14 AM



#20
Methylene Chloride
Concen: 5.750 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	108.3	92.0	138.0
51	32.9	27.1	40.7
86	62.3	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 5.602 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

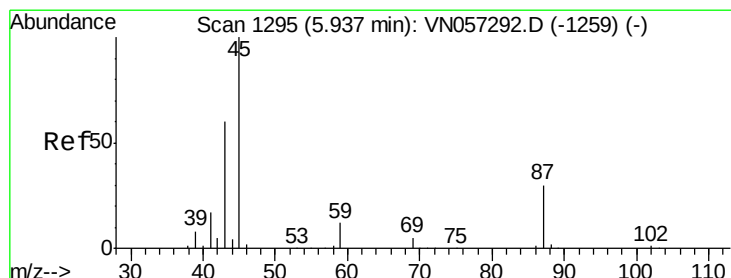
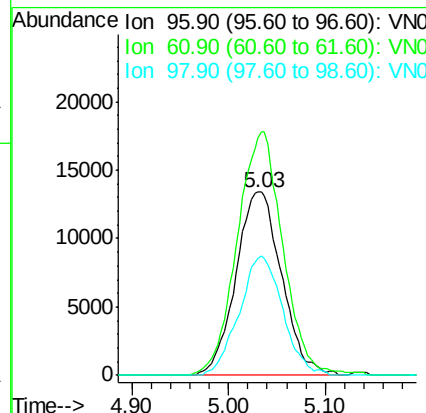
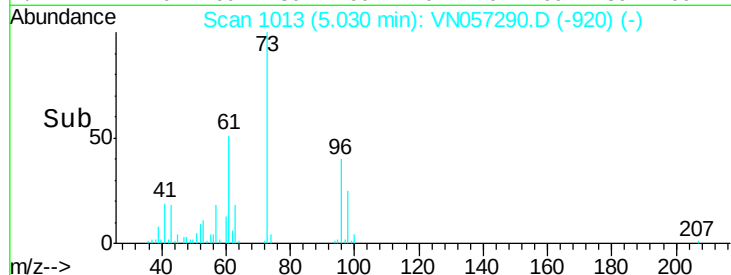
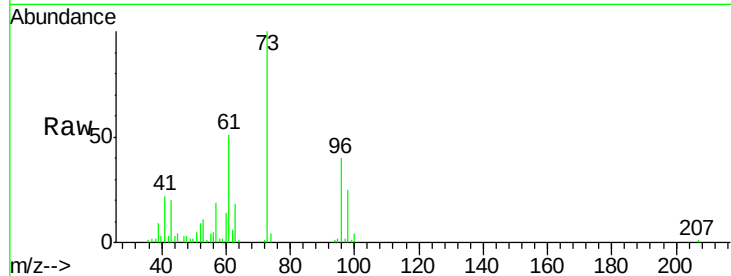
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	44036
Ion	Ratio	Lower	Upper
96	100		
61	128.2	109.5	164.3
98	63.5	51.0	76.6

Manual Integrations
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8/19/2019 1:53:14 AM



#22

Diisopropyl ether

Concen: 5.834 ug/l

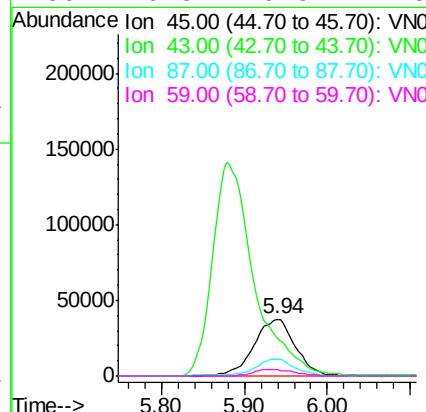
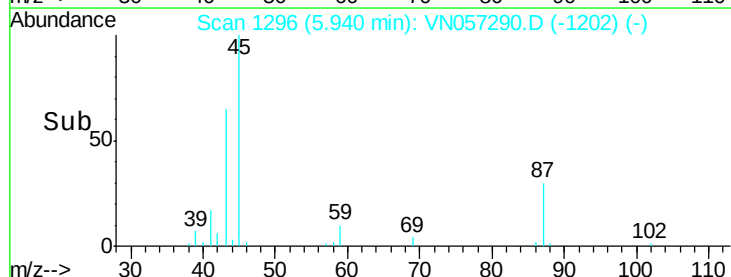
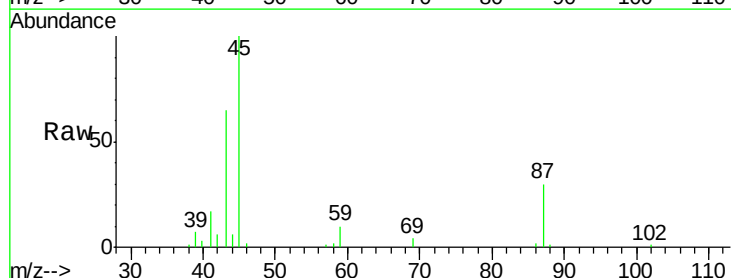
RT: 5.94 min Scan# 1296

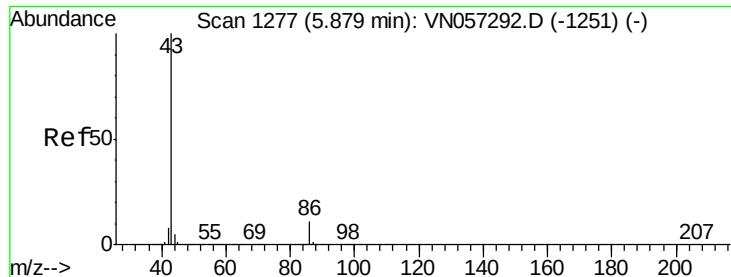
Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Tgt Ion:	45	Resp:	129680
Ion	Ratio	Lower	Upper
45	100		
43	62.0	48.3	72.5
87	29.9	24.6	36.8
59	10.3	9.8	14.8





#23

Vinyl Acetate

Concen: 28.011 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 493903

Ion Ratio Lower Upper

43 100

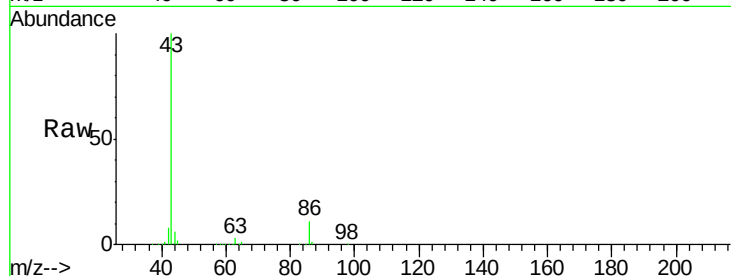
86 11.0 8.7 13.1

Manual Integrations

APPROVED

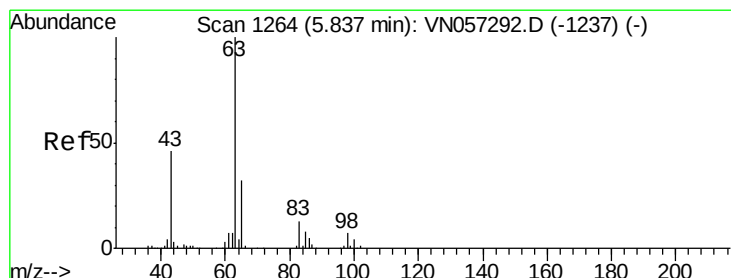
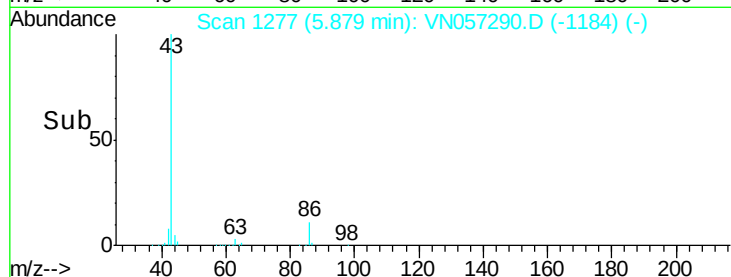
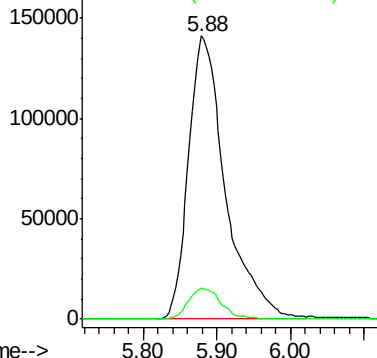
MMdadoda

8/19/2019 1:53:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 5.597 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

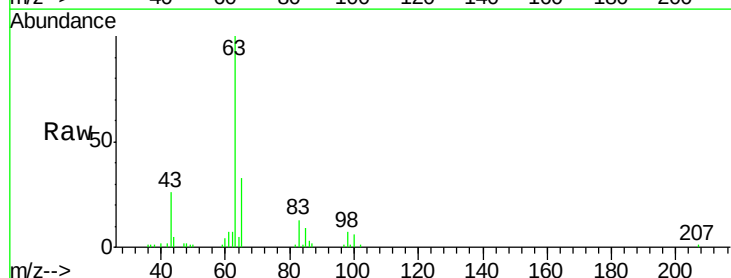
Tgt Ion: 63 Resp: 77949

Ion Ratio Lower Upper

63 100

98 7.4 3.3 9.9

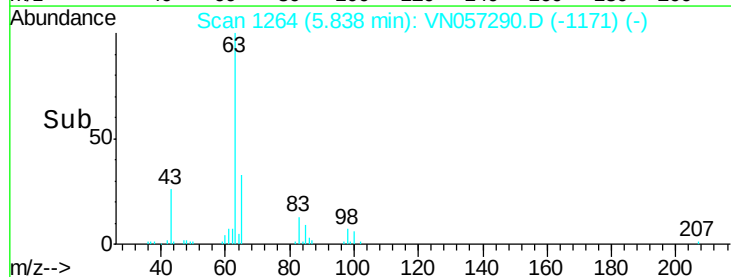
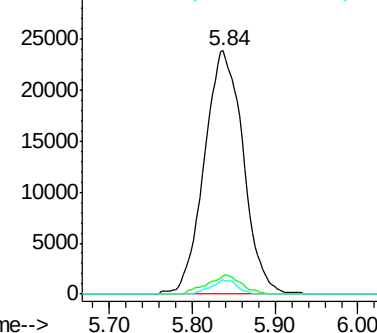
100 5.8 2.1 6.5

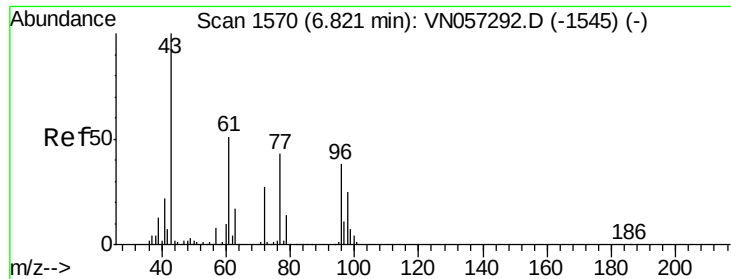


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 29.373 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 124122

Ion Ratio Lower Upper

43 100

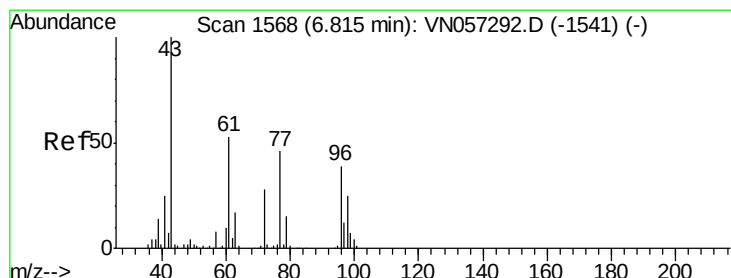
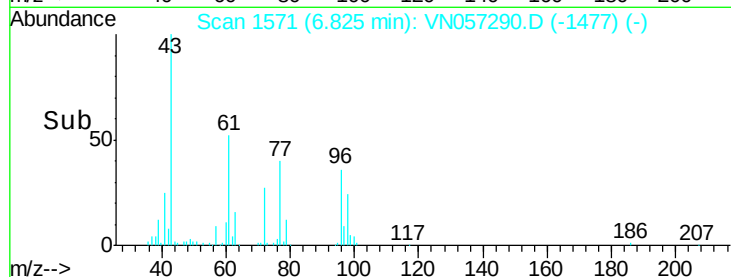
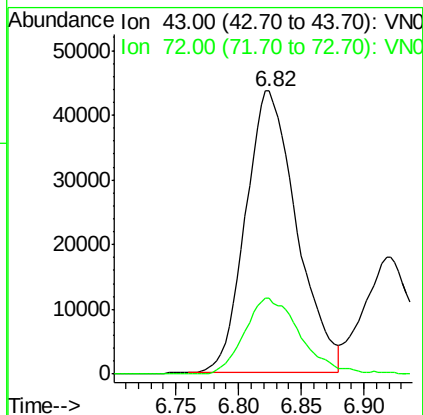
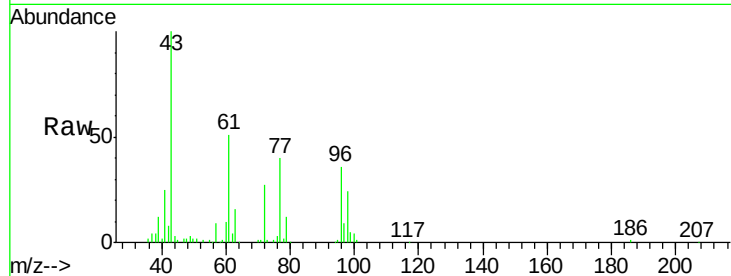
72 27.0 21.5 32.3

Manual Integrations

APPROVED

MMdadoda

8/19/2019 1:53:14 AM



#26

2,2-Dichloropropane

Concen: 5.557 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057290.D

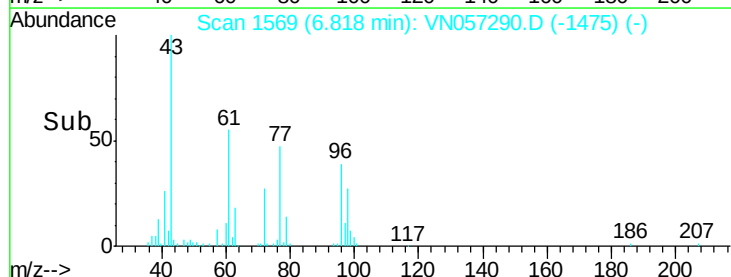
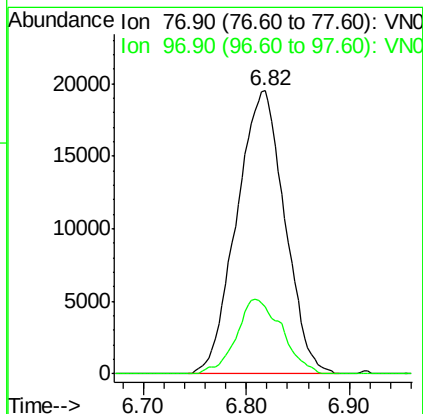
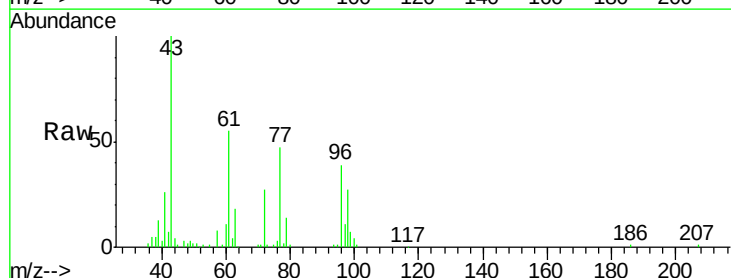
Acq: 14 Aug 2019 16:39

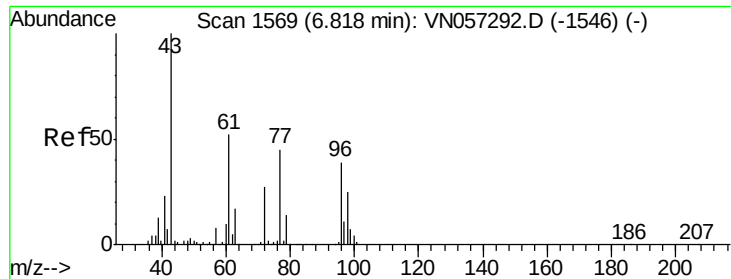
Tgt Ion: 77 Resp: 63155

Ion Ratio Lower Upper

77 100

97 25.1 12.3 36.9





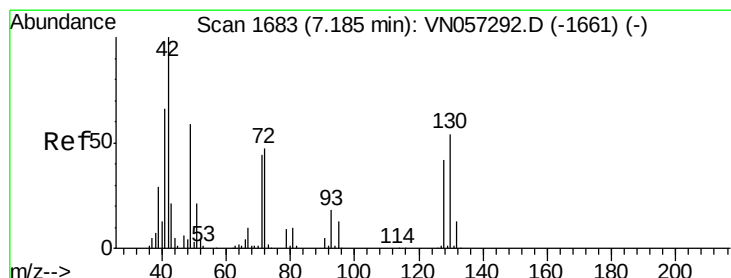
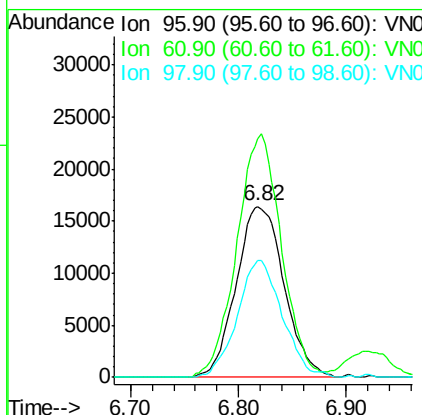
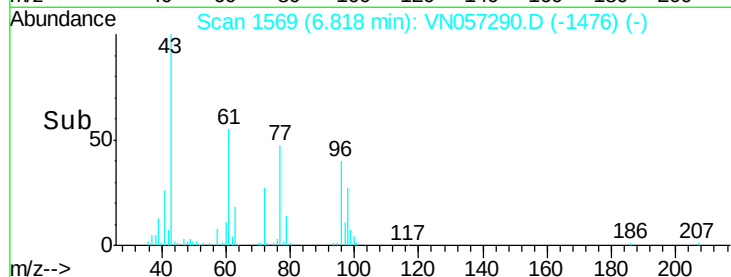
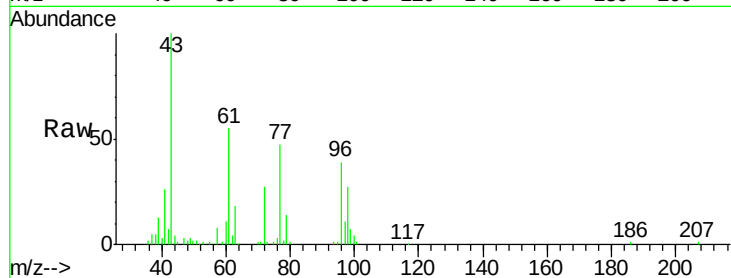
#27
 cis-1,2-Dichloroethene
 Concen: 5.566 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	132.7	0.0	272.0	
98	64.3	0.0	130.4	

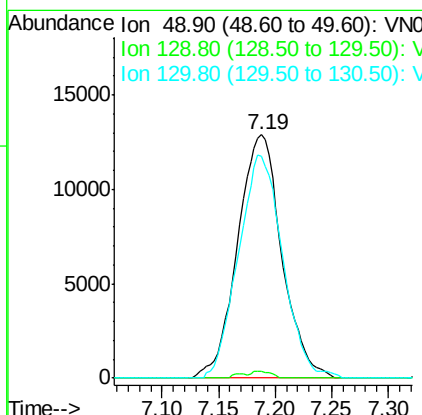
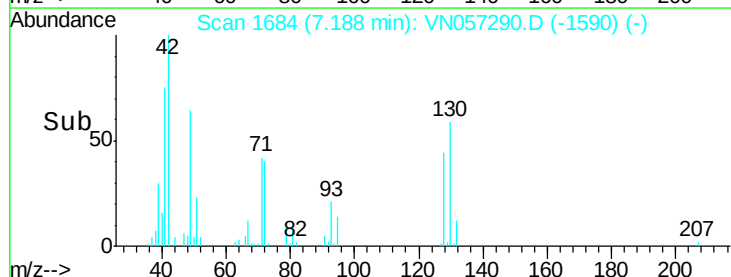
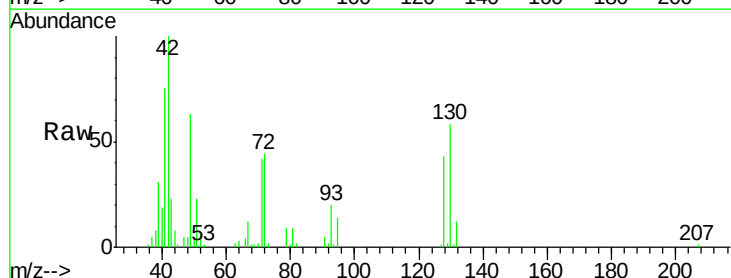
Manual Integrations
 APPROVED

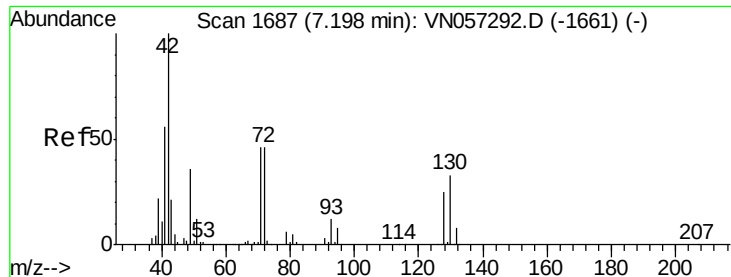
MMDadoda
 8/19/2019 1:53:14 AM



#28
 Bromochloromethane
 Concen: 5.644 ug/l
 RT: 7.19 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.3	0.0	2.0	
130	91.9	73.2	109.8	





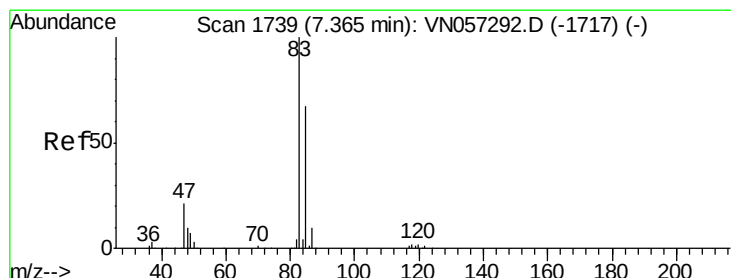
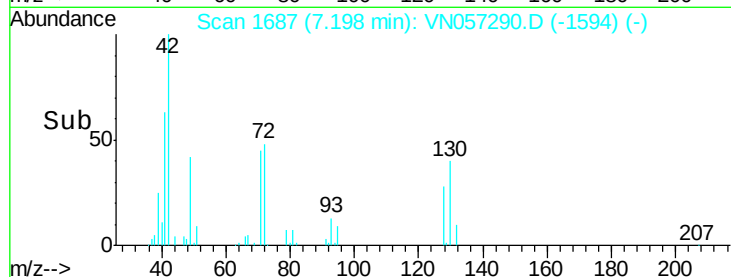
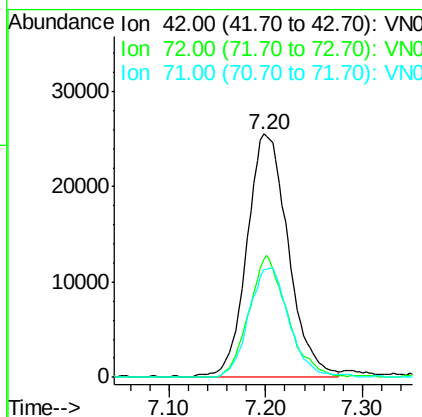
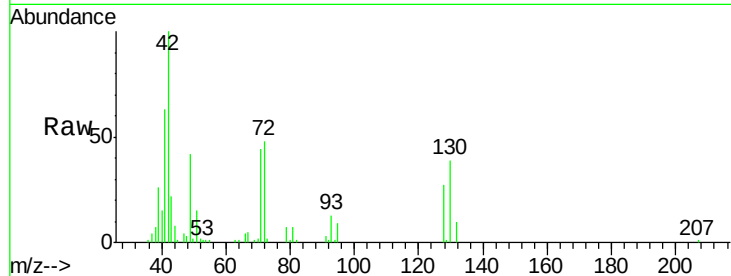
#29
Tetrahydrofuran
Concen: 28.154 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.4	37.8	56.6
71	43.8	35.7	53.5

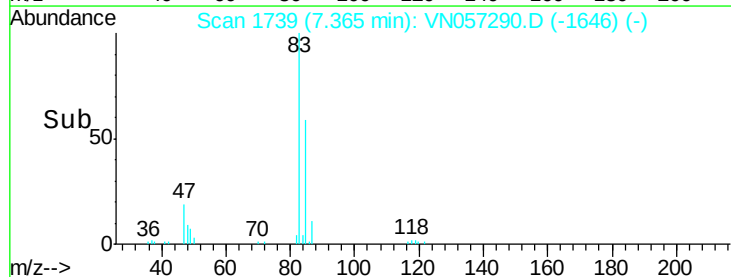
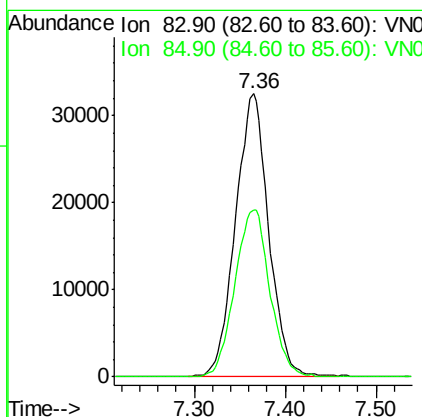
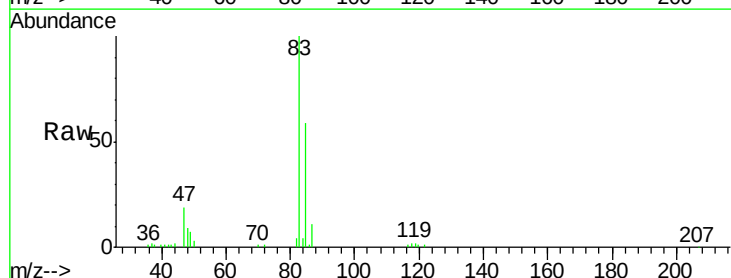
Manual Integrations
APPROVED

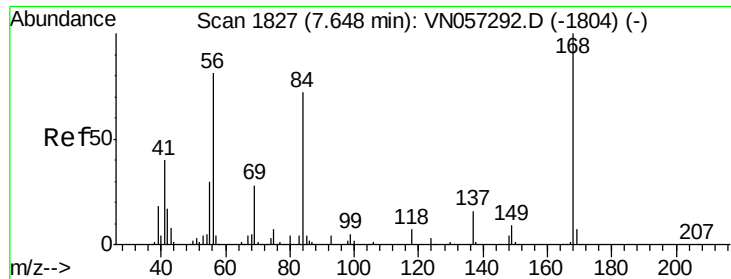
MMdadoda
8/19/2019 1:53:14 AM



#30
Chloroform
Concen: 5.656 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.9	53.3	79.9





#31

Cyclohexane

Concen: 6.264 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

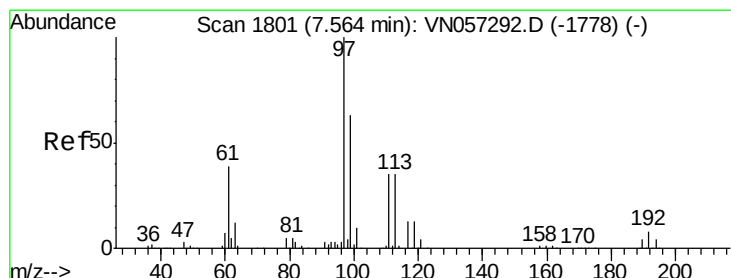
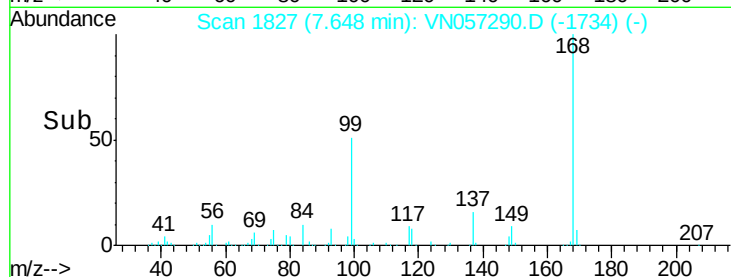
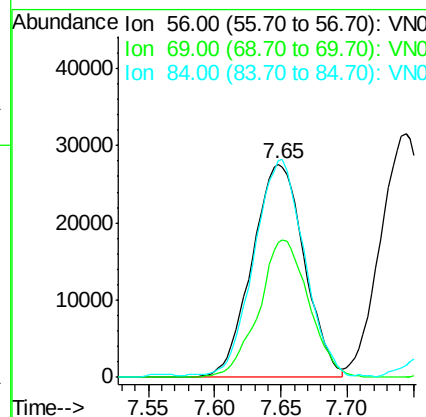
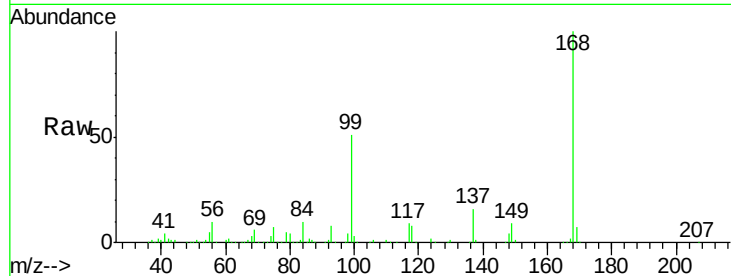
ClientSampleId :

VSTDIC005

Tot Ion:	56	Resp:	75839
Ion	Ratio	Lower	Upper
56	100		
69	63.1	27.3	40.9#
84	100.4	71.0	106.6

Manual Integrations
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MMdadoda
8/19/2019 1:53:14 AM



#32

1,1,1-Trichloroethane

Concen: 5.387 ug/l

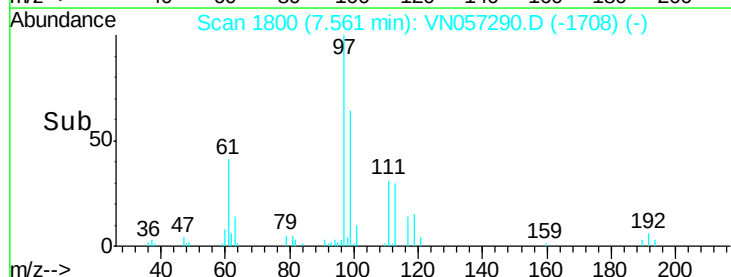
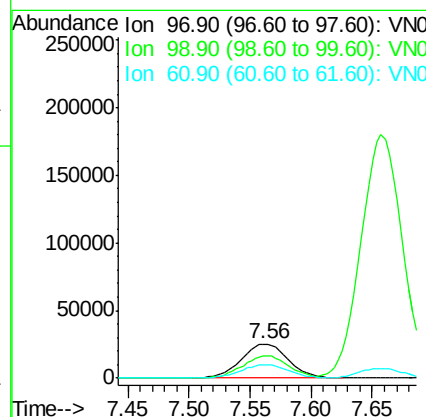
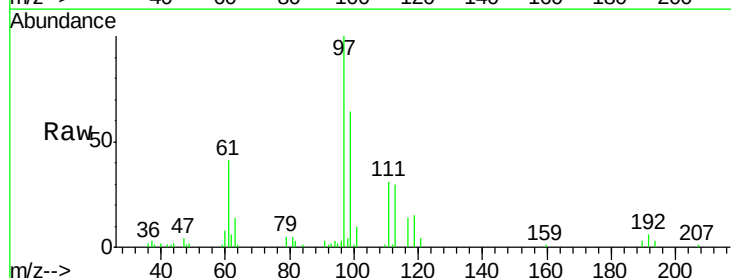
RT: 7.56 min Scan# 1800

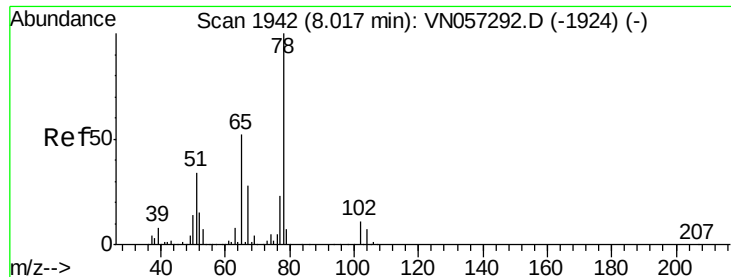
Delta R.T. -0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Tgt Ion:	97	Resp:	66384
Ion	Ratio	Lower	Upper
97	100		
99	64.9	50.3	75.5
61	40.5	31.3	46.9





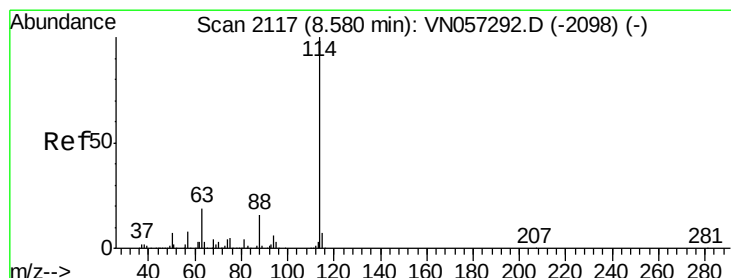
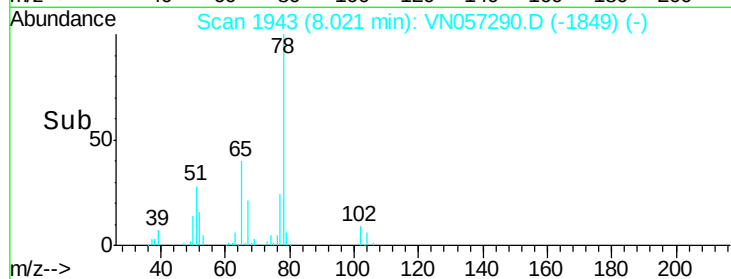
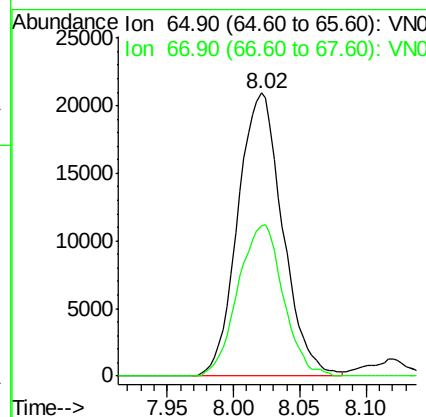
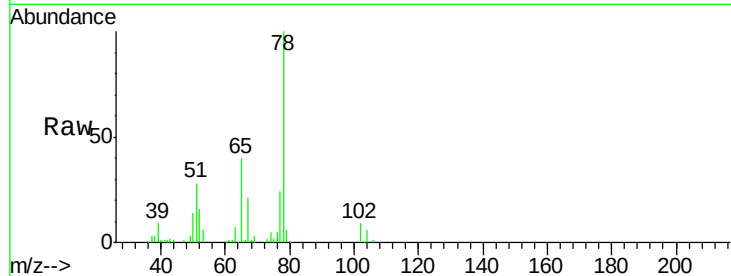
#33
 1,2-Dichloroethane-d4
 Concen: 5.742 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	49207		
67	54.1	0.0	107.4	

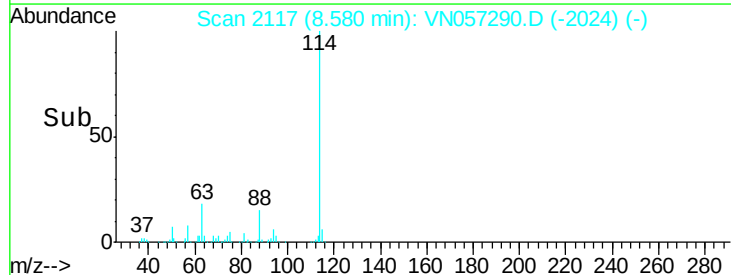
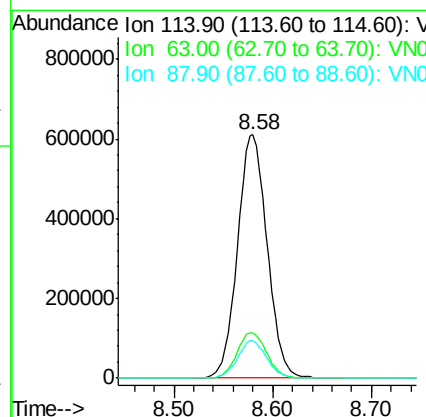
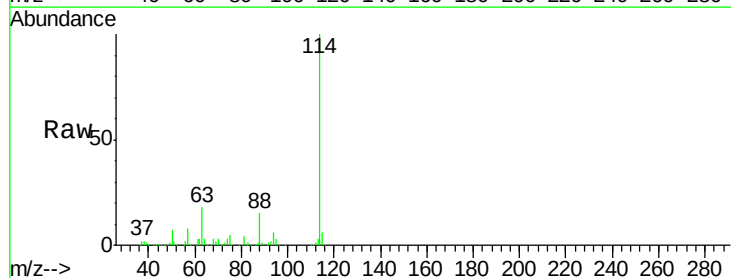
Manual Integrations
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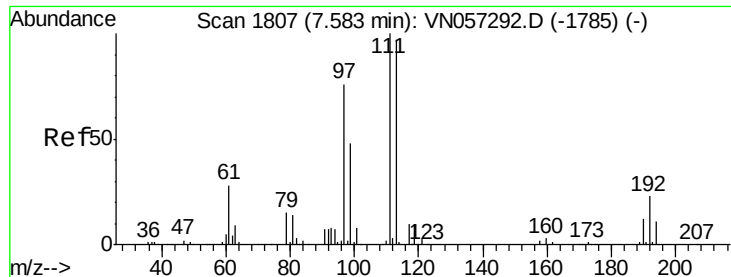
MMdadoda
 8/19/2019 1:53:14 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1273544		
63	18.4	0.0	38.8	
88	15.2	0.0	31.4	





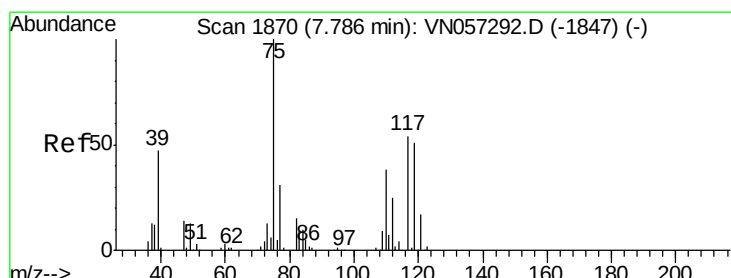
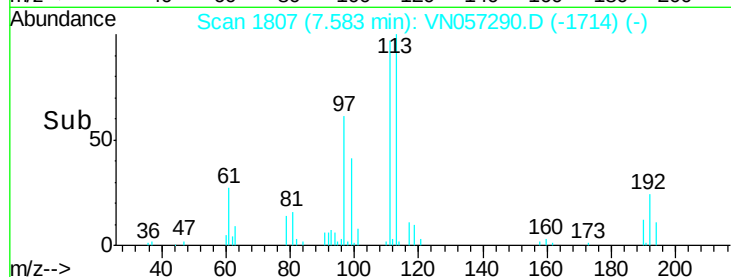
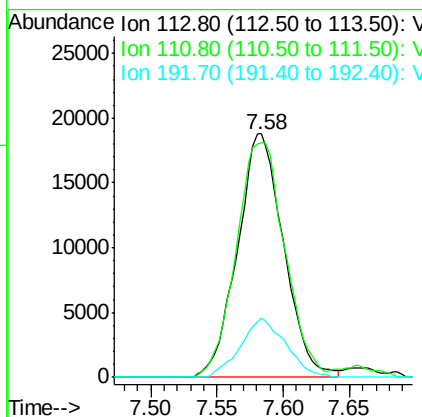
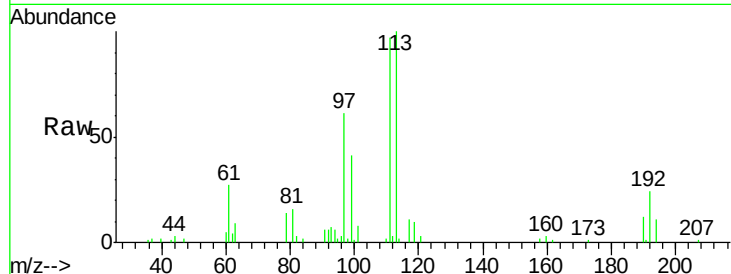
#35
Dibromofluoromethane
Concen: 5.640 ug/l
RT: 7.58 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.1	123.1
192	23.9	19.3	28.9

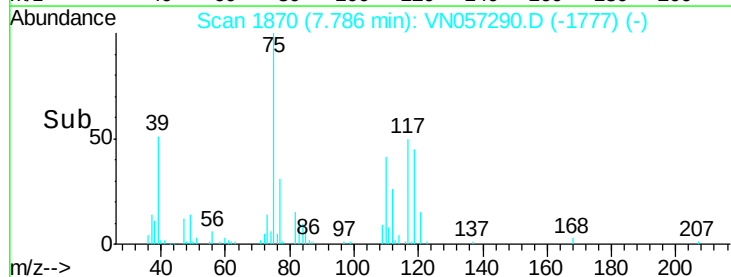
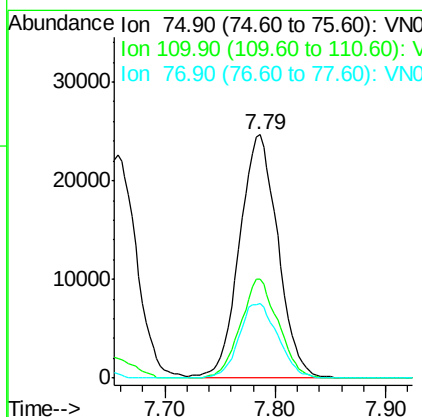
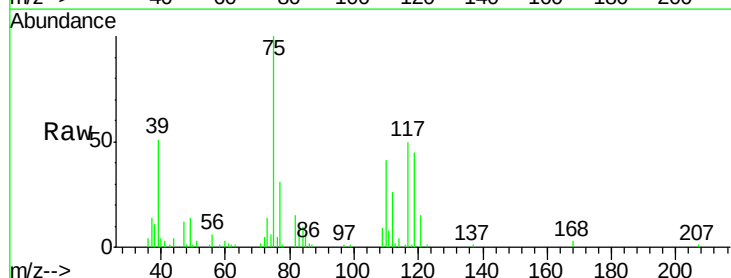
Manual Integrations
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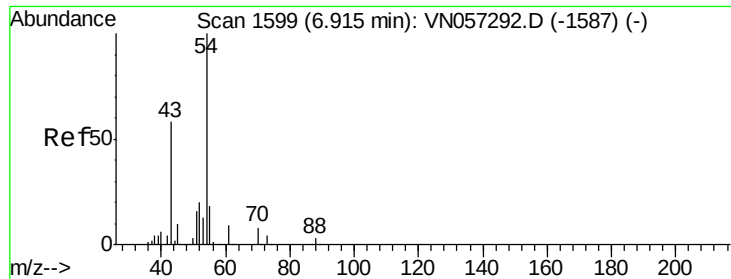
MMDadoda
8/19/2019 1:53:14 AM



#36
1,1-Dichloropropene
Concen: 5.387 ug/l
RT: 7.79 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
75	100		
110	40.0	19.5	58.5
77	31.1	25.0	37.6





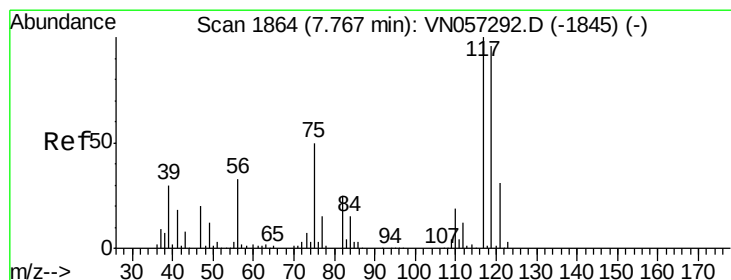
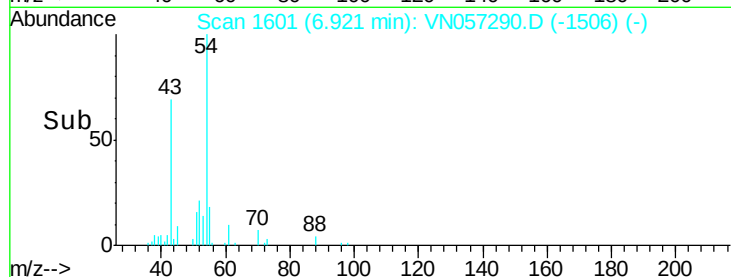
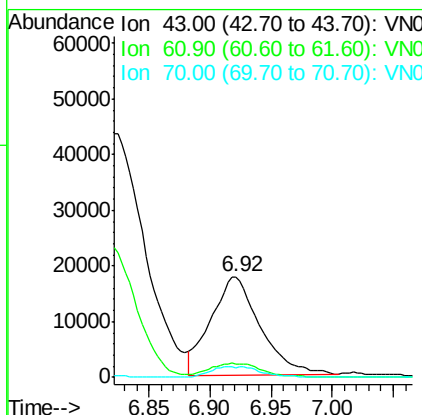
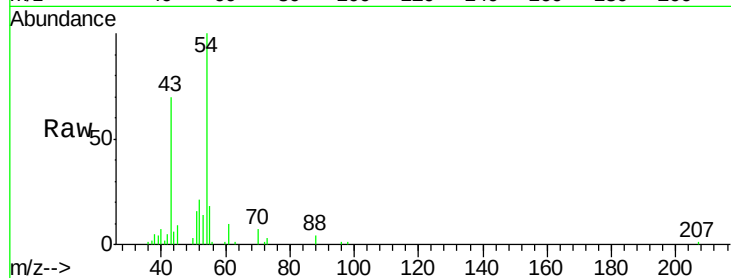
#37
Ethyl Acetate
Concen: 5.451 ug/l
RT: 6.92 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	49328
Ion Ratio	100	Lower	Upper
43	100		
61	15.5	12.0	18.0
70	11.1	9.2	13.8

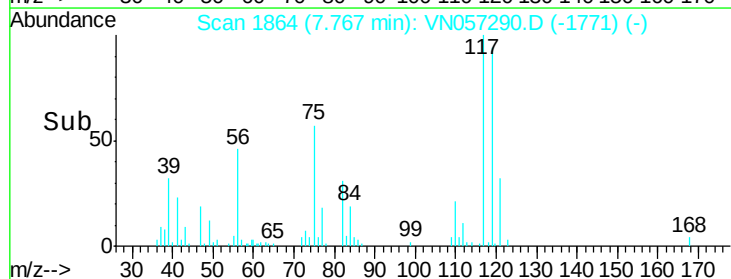
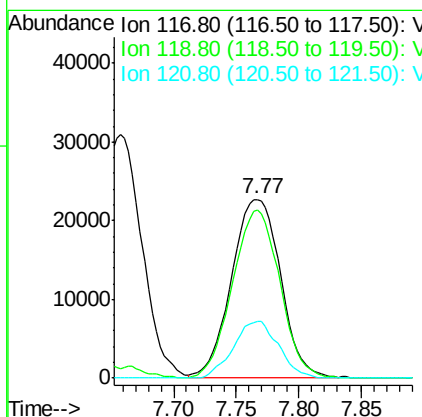
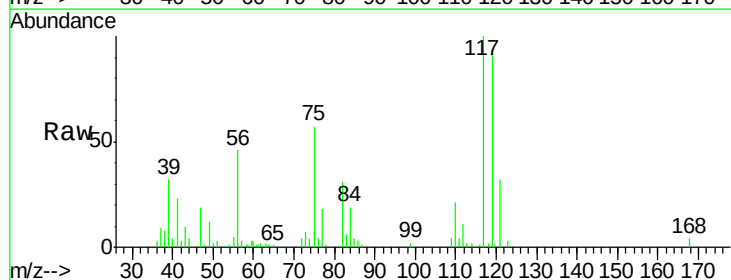
Manual Integrations
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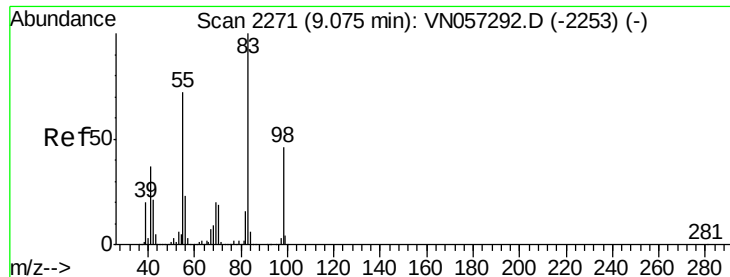
MMdadoda
8/19/2019 1:53:14 AM



#38
Carbon Tetrachloride
Concen: 5.255 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion	117	Resp	61784
Ion Ratio	100	Lower	Upper
117	100		
119	94.2	76.8	115.2
121	31.6	25.0	37.4





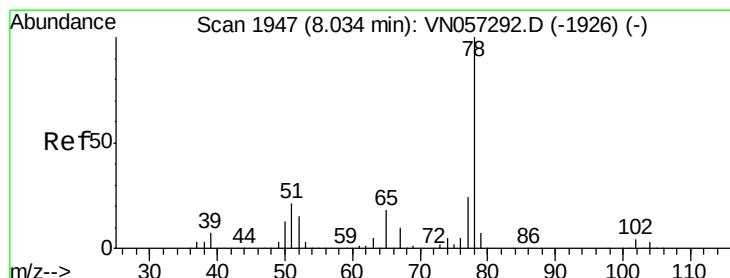
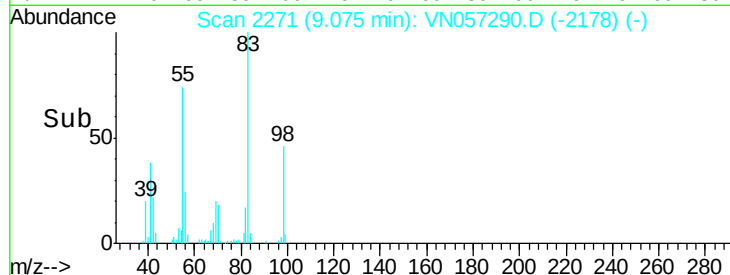
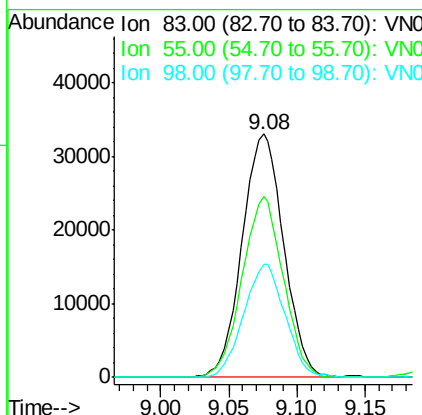
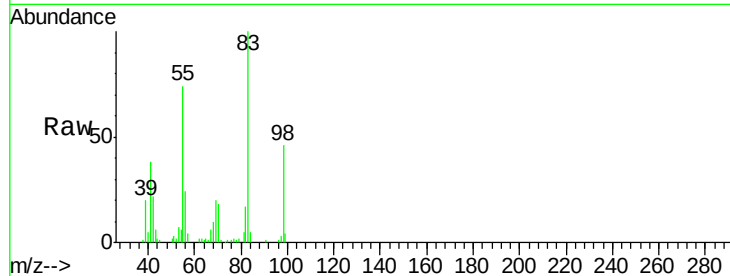
#39
Methylvlcyclohexane
Concen: 5.347 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83.00	Resp	69872
Ion	Ratio	Lower	Upper
83	100		
55	74.4	57.5	86.3
98	46.2	36.6	55.0

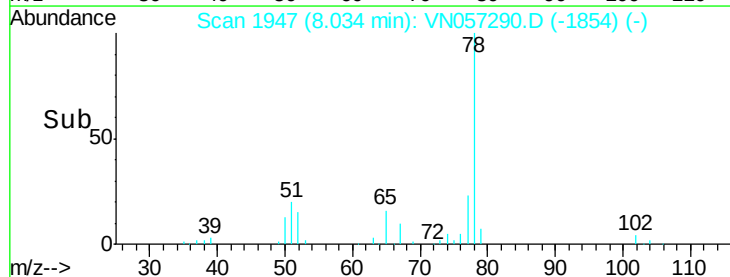
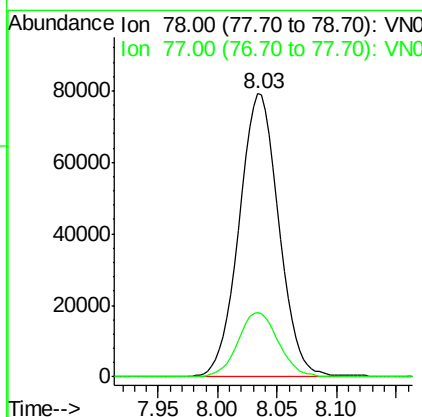
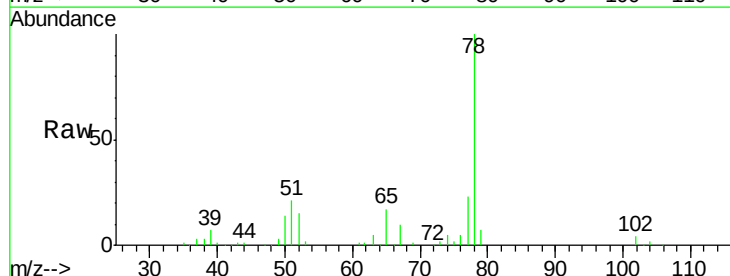
Manual Integrations
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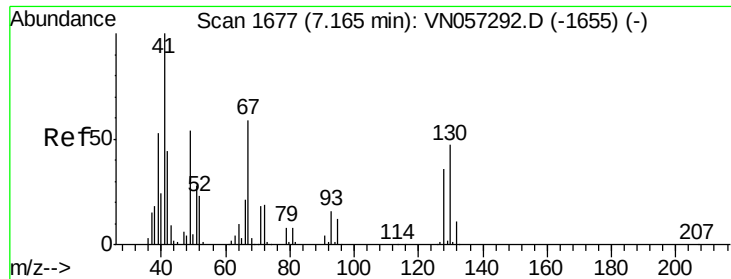
MMdadoda
8/19/2019 1:53:14 AM



#40
Benzene
Concen: 5.429 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion	78.00	Resp	183426
Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.1	28.7





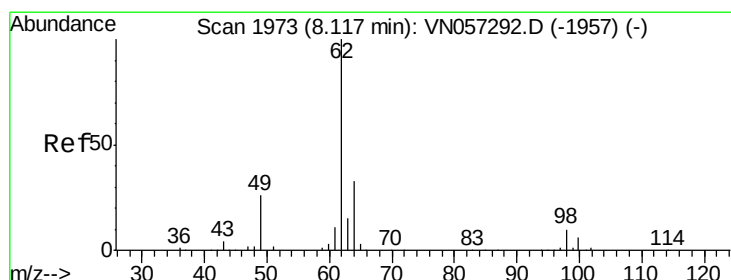
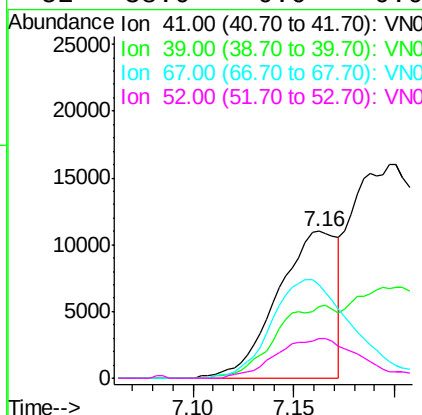
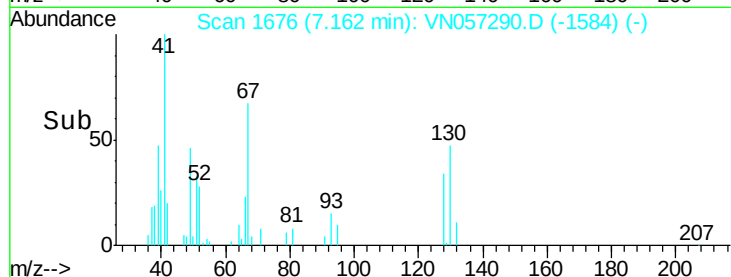
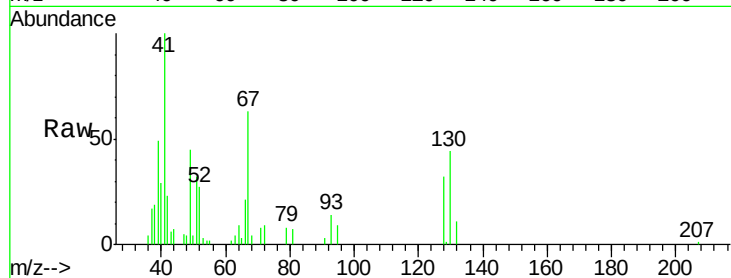
#41
Methacrylonitrile
Concen: 5.978 ug/l
RT: 7.16 min Scan# 1676
Delta R.T. -0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	50.7	0.0	0.0#		
67	92.0	0.0	0.0#		
52	38.0	0.0	0.0#		

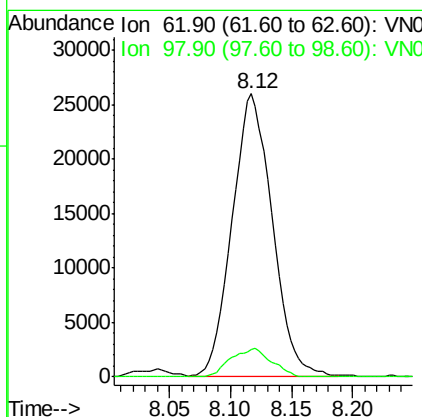
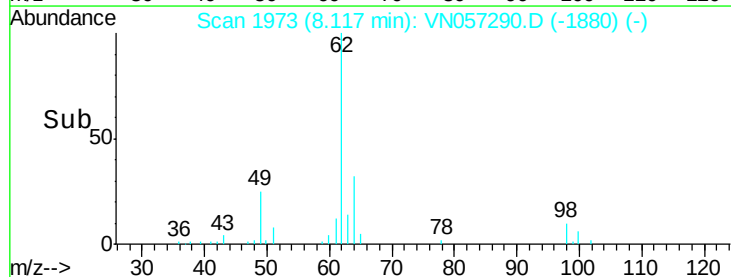
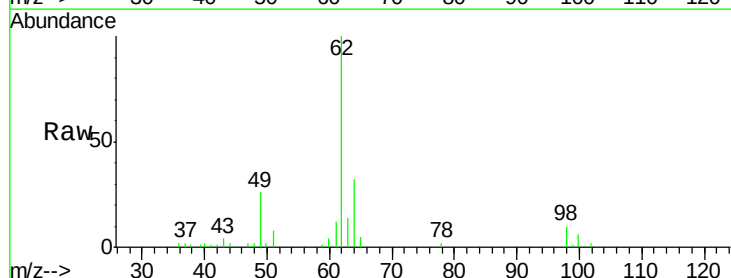
Manual Integrations
APPROVED

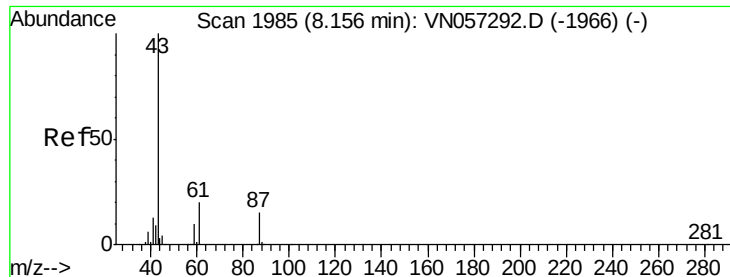
MMdadoda
8/19/2019 1:53:14 AM



#42
1,2-Dichloroethane
Concen: 5.490 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	10.2	0.0	19.4		





#43

Isopropyl Acetate

Concen: 6.240 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

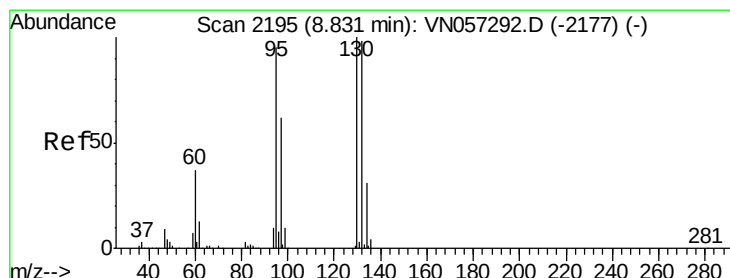
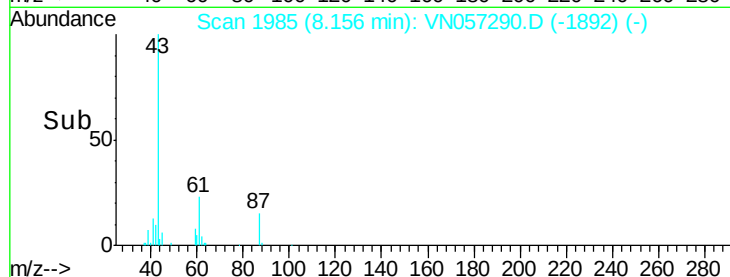
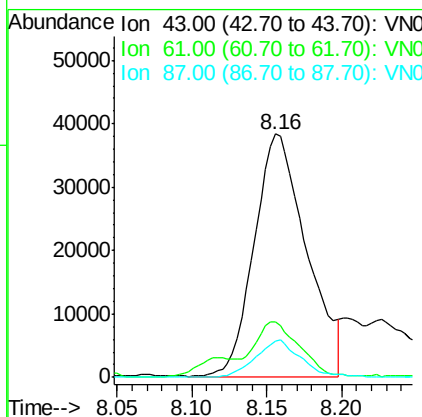
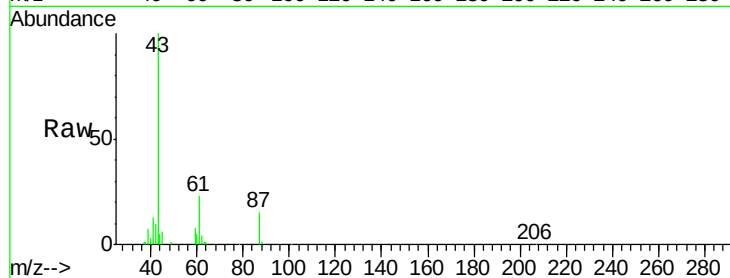
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	93855
Ion Ratio	Lower	Upper	
43	100		
61	19.0	21.6	32.4#
87	13.3	11.4	17.0

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#44

Trichloroethene

Concen: 5.309 ug/l

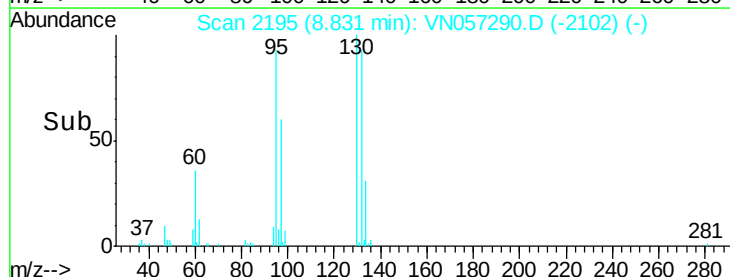
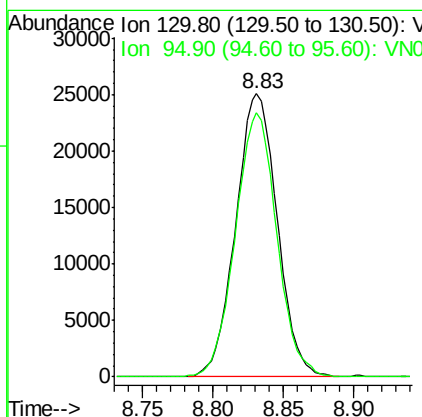
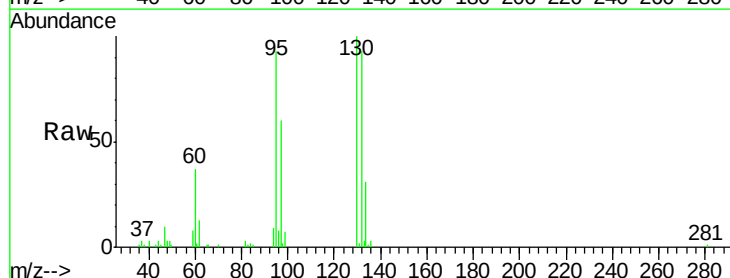
RT: 8.83 min Scan# 2195

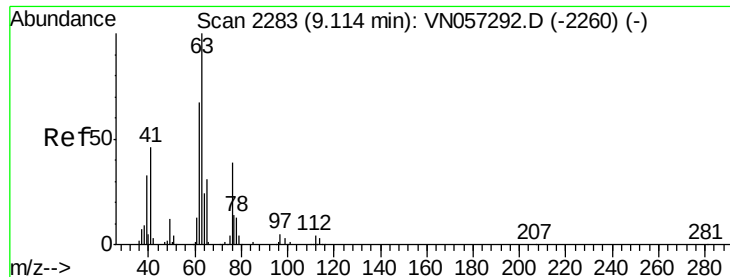
Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Tgt Ion:	130	Resp:	51692
Ion Ratio	Lower	Upper	
130	100		
95	93.4	0.0	189.2





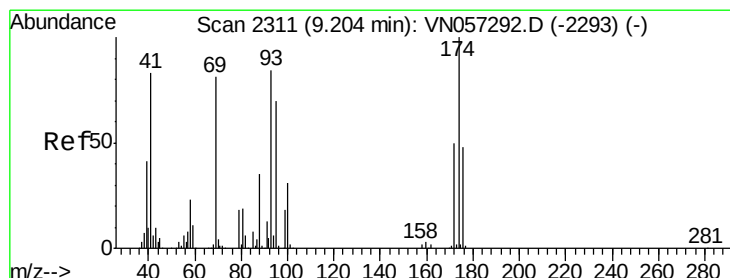
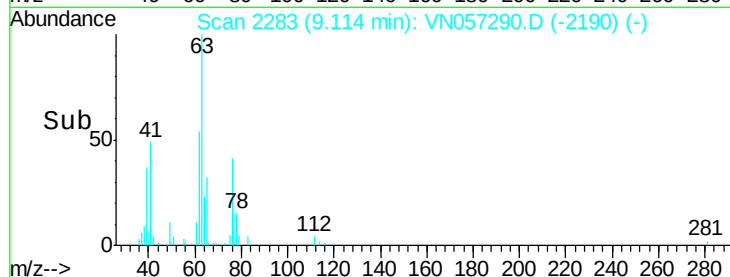
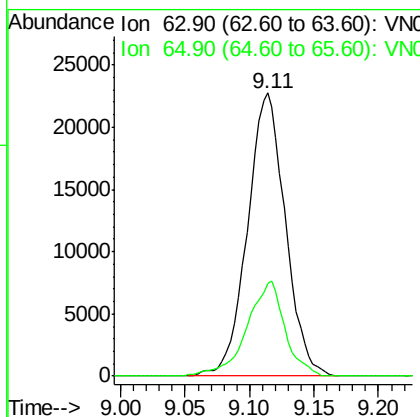
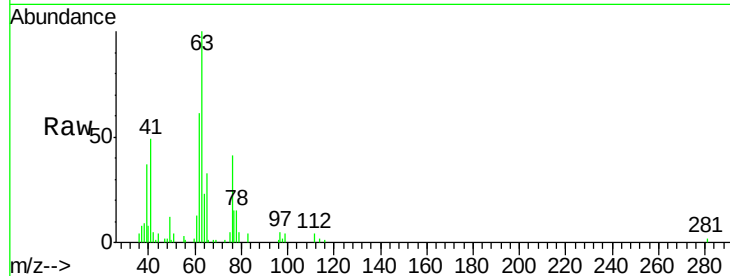
#45
 1,2-Dichloropropane
 Concen: 5.450 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.6	24.8	37.2

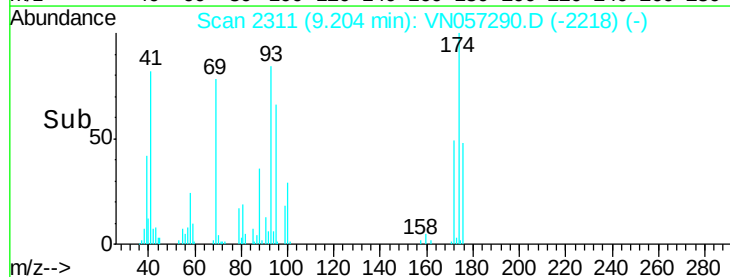
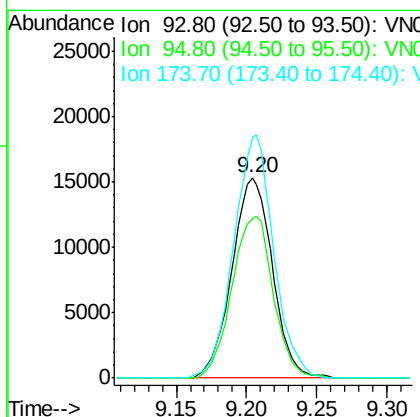
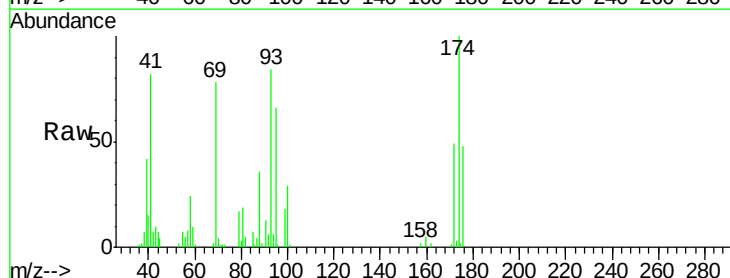
Manual Integrations
 APPROVED

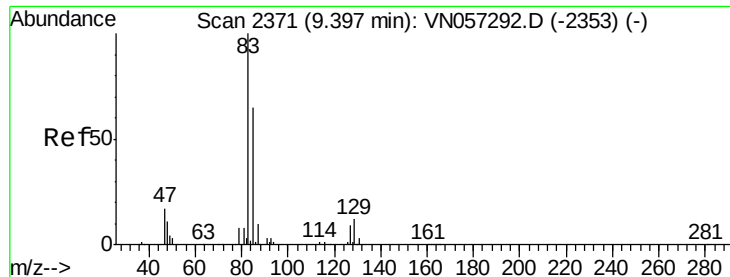
MMdadoda
 8/19/2019 1:53:14 AM



#46
 Dibromomethane
 Concen: 5.333 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	66.5	99.7
174	119.6	95.7	143.5





#47

Bromodichloromethane

Concen: 5.246 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

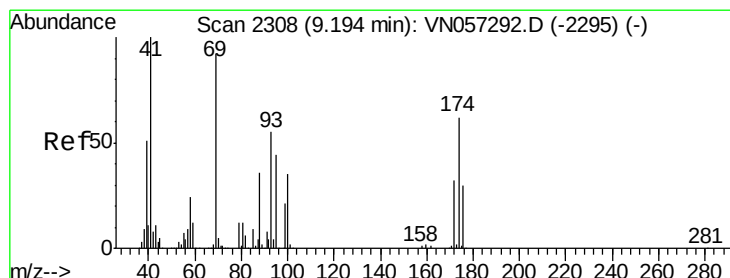
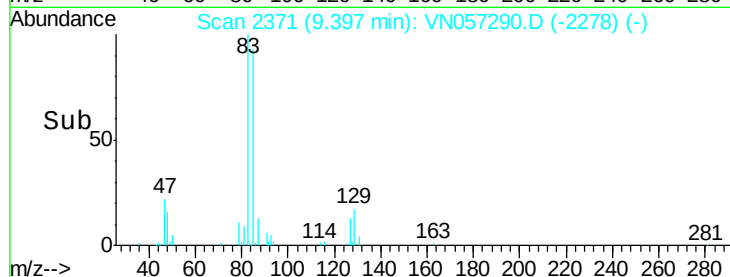
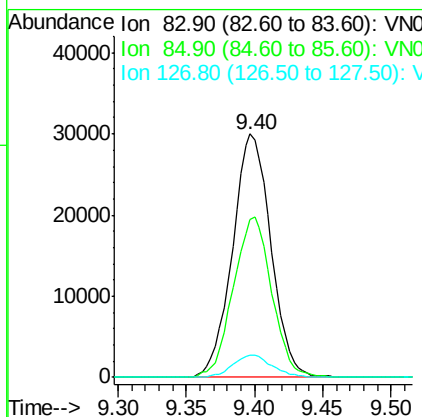
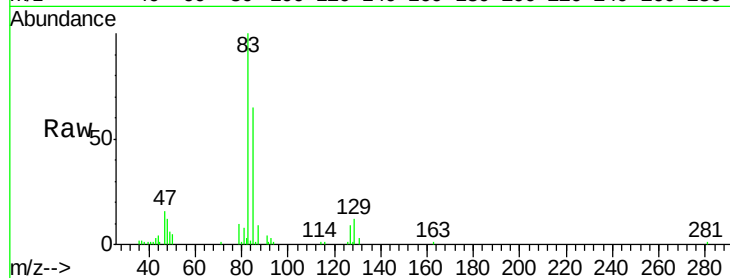
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	58431
Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.9	77.9
127	9.0	7.2	10.8

Manual Integrations
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MMdadoda
8/19/2019 1:53:14 AM



#48

Methyl methacrylate

Concen: 5.429 ug/l

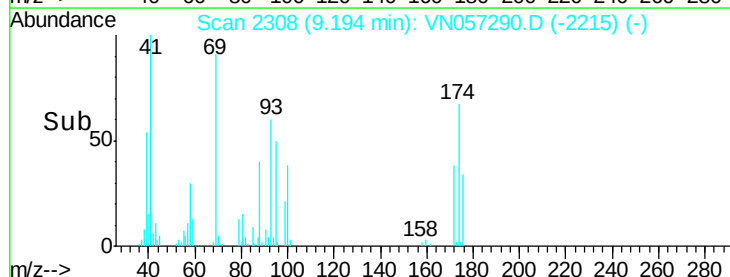
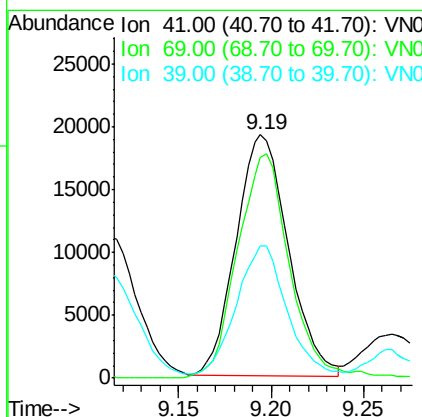
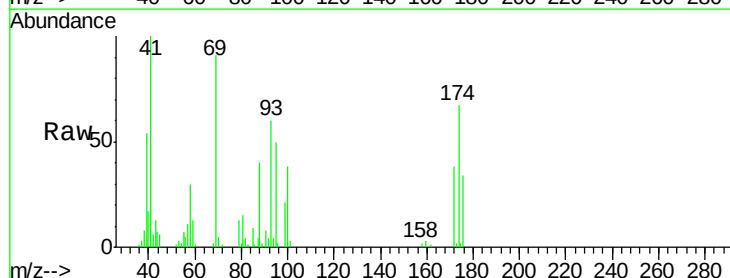
RT: 9.19 min Scan# 2308

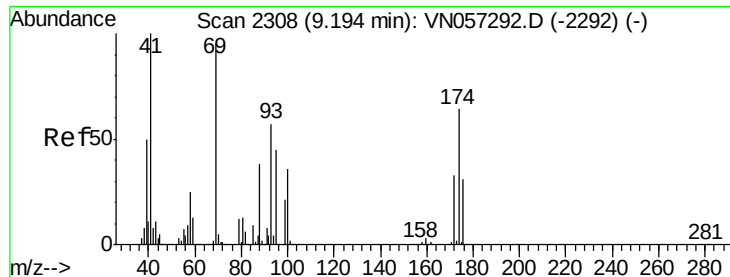
Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Tgt Ion:	41	Resp:	37445
Ion	Ratio	Lower	Upper
41	100		
69	93.5	75.9	113.9
39	54.6	42.3	63.5





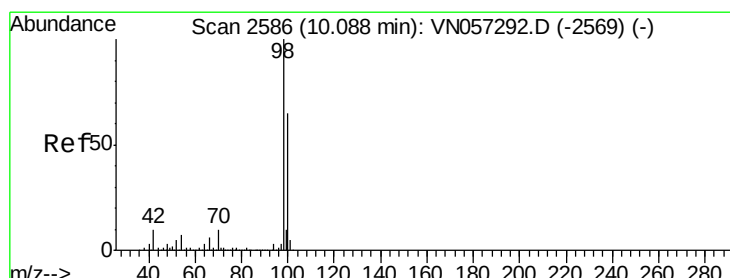
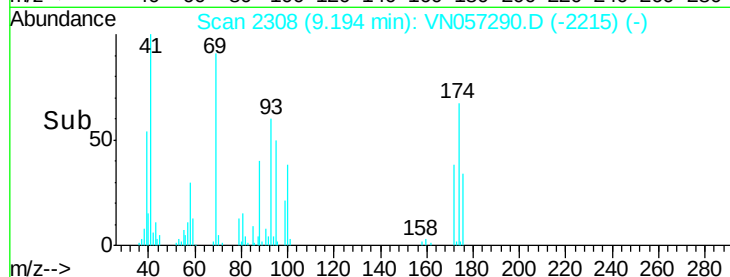
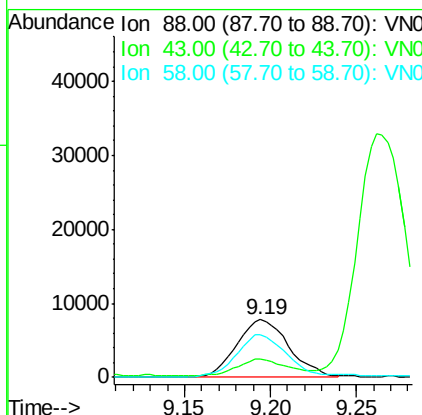
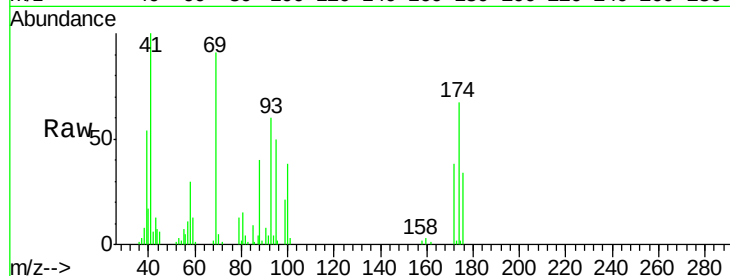
#49
1,4-Dioxane
Concen: 106.657 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	27.8	22.9	34.3
58	70.2	52.7	79.1

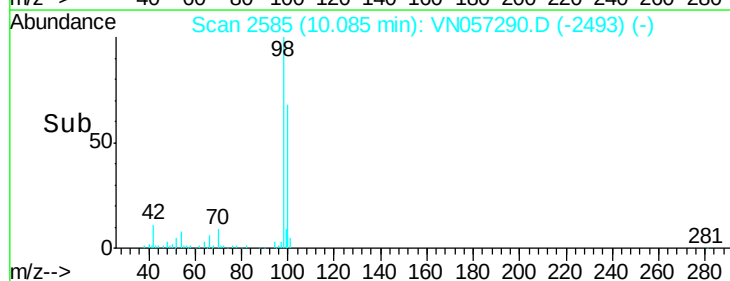
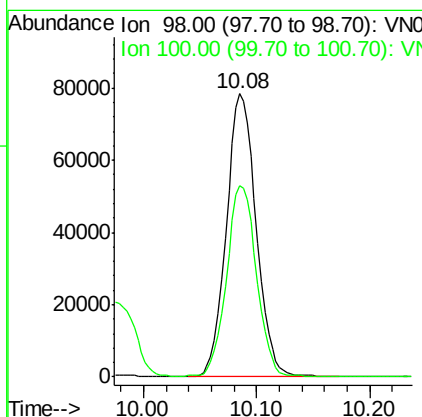
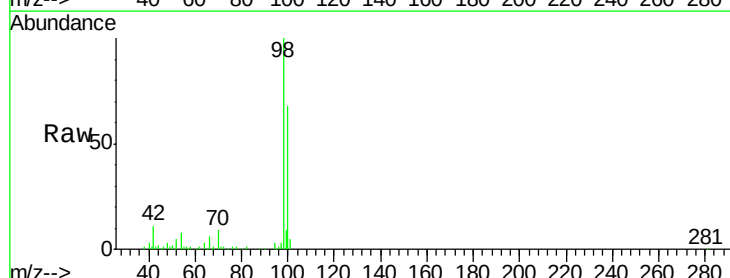
Manual Integrations
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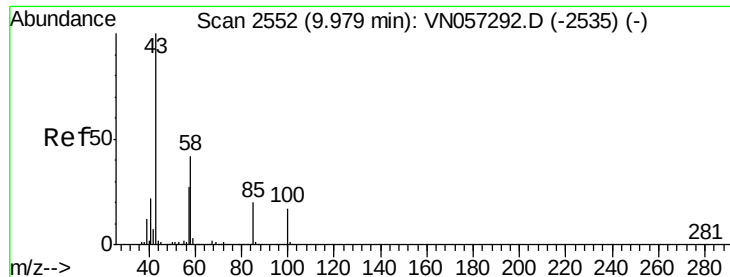
MMdadoda
8/19/2019 1:53:14 AM



#50
Toluene-d8
Concen: 4.889 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.0	51.9	77.9





#51

4-Methyl-2-Pentanone

Concen: 27.247 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 238658

Ion Ratio Lower Upper

43 100

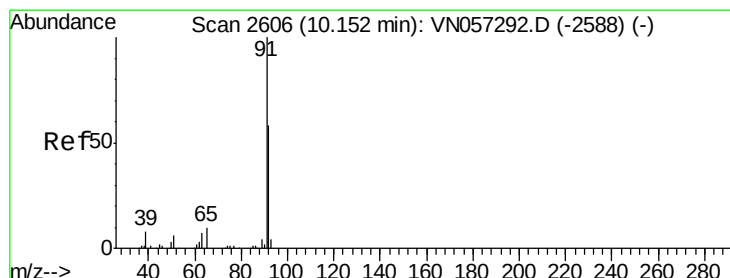
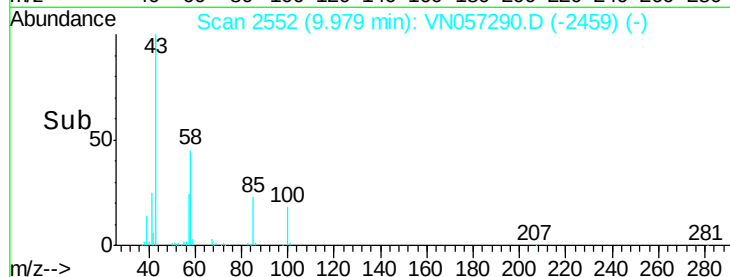
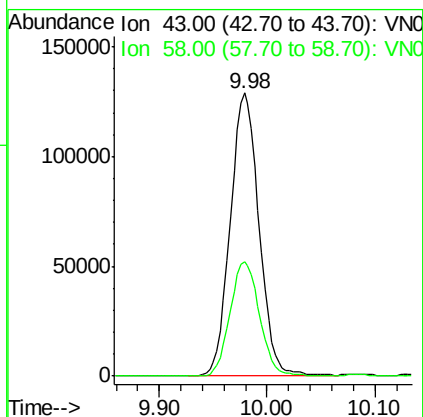
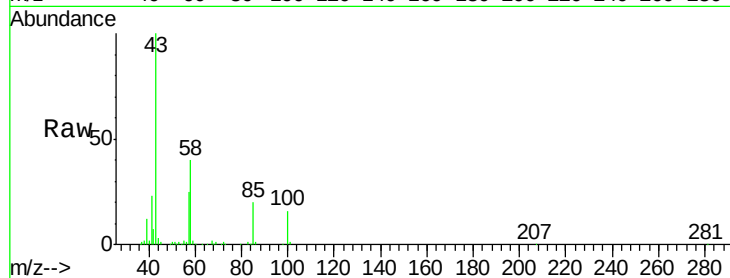
58 41.8 33.2 49.8

Manual Integrations

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8/19/2019 1:53:14 AM



#52

Toluene

Concen: 5.383 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN057290.D

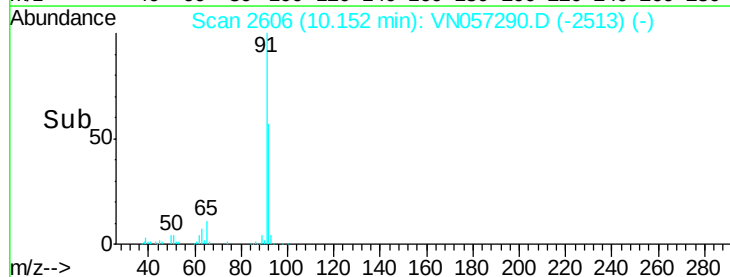
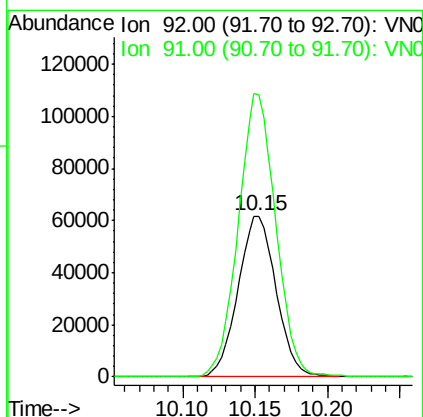
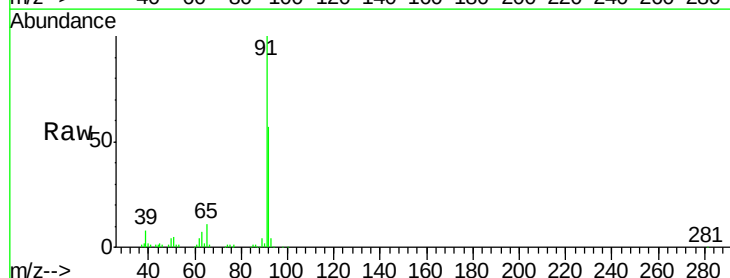
Acq: 14 Aug 2019 16:39

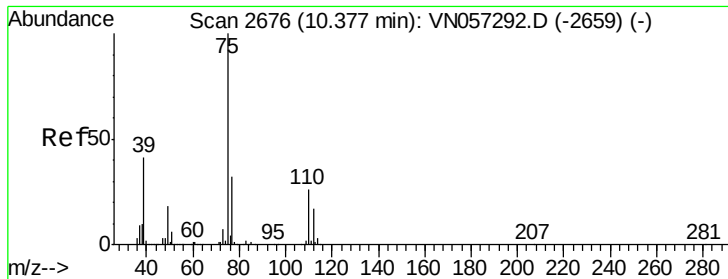
Tgt Ion: 92 Resp: 112826

Ion Ratio Lower Upper

92 100

91 173.3 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 5.361 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 63856

Ion Ratio Lower Upper

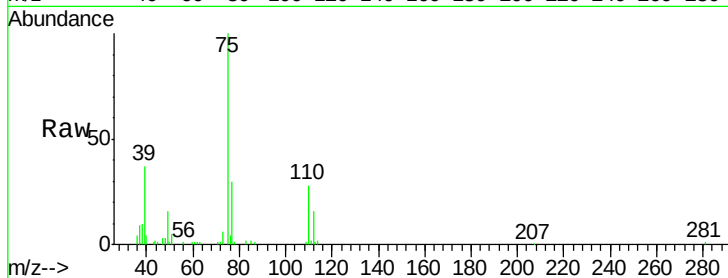
75 100

77 30.2 25.5 38.3

Manual Integrations
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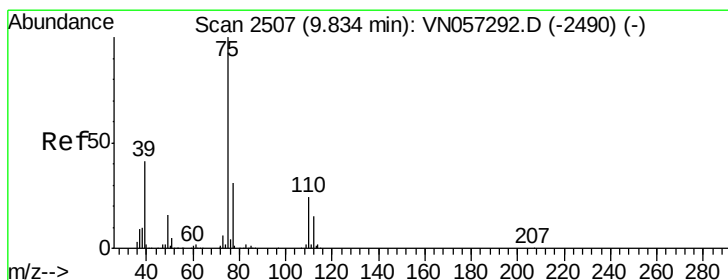
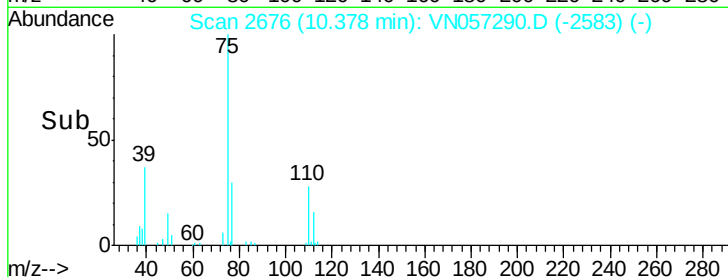
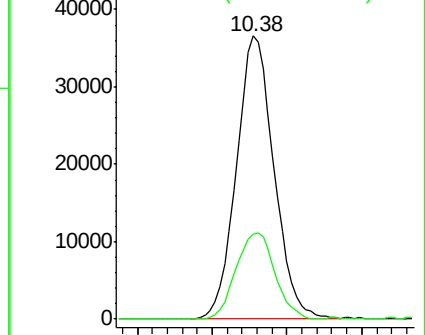
MMdadoda

8/19/2019 1:53:14 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 5.138 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

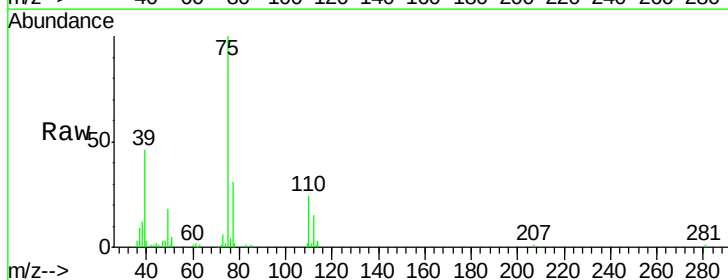
Tgt Ion: 75 Resp: 68952

Ion Ratio Lower Upper

75 100

77 31.3 24.9 37.3

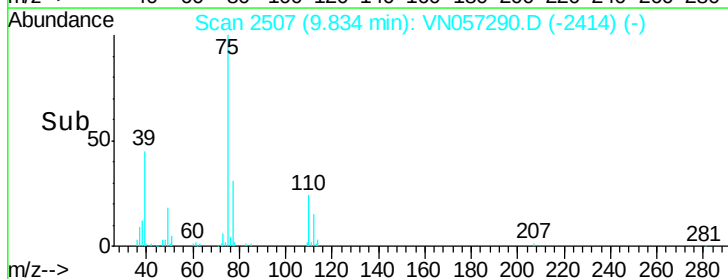
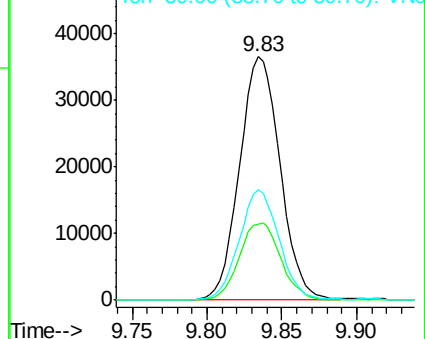
39 45.6 32.7 49.1

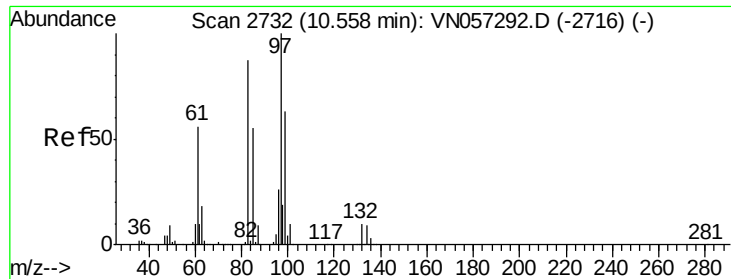


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





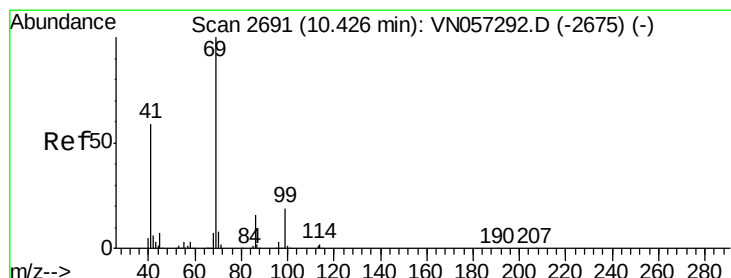
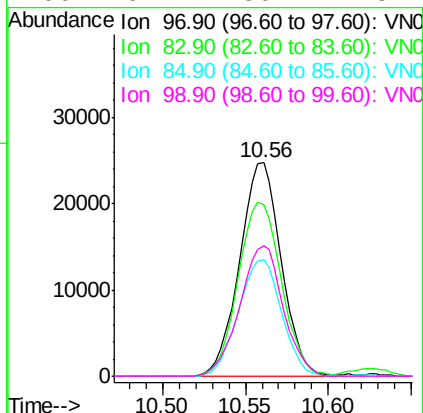
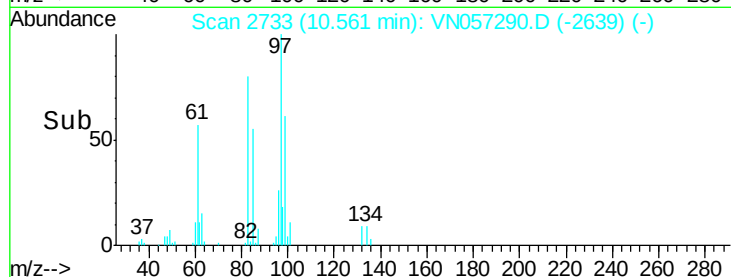
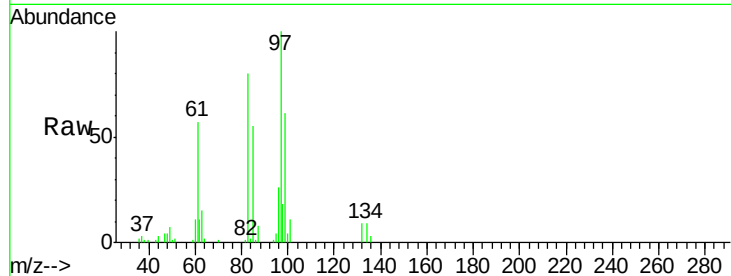
#55
 1,1,2-Trichloroethane
 Concen: 5.239 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	43100
Ion	Ratio	Lower	Upper
97	100		
83	80.4	69.8	104.8
85	54.6	44.1	66.1
99	61.2	50.2	75.2

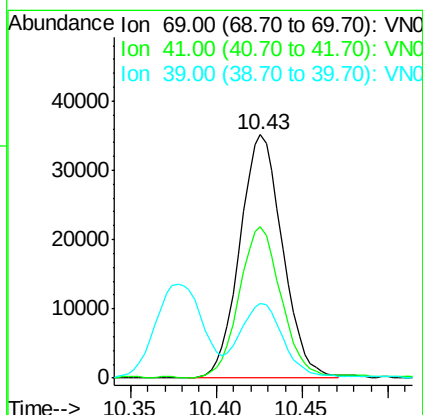
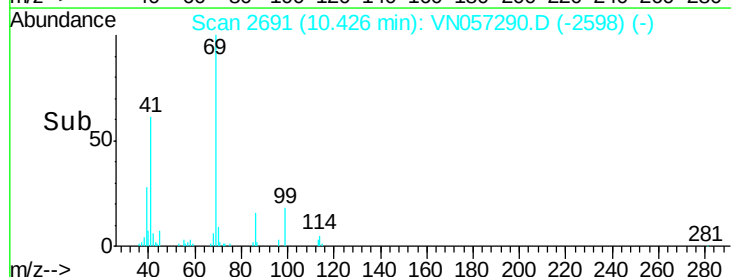
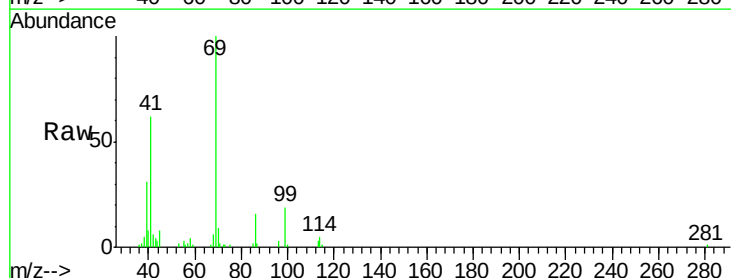
Manual Integrations
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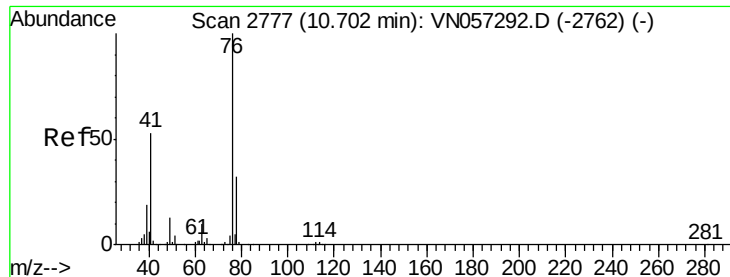
MMdadoda
 8/19/2019 1:53:14 AM



#56
 Ethyl methacrylate
 Concen: 5.219 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Tgt Ion:	69	Resp:	60610
Ion	Ratio	Lower	Upper
69	100		
41	61.5	48.2	72.2
39	30.3	23.4	35.0





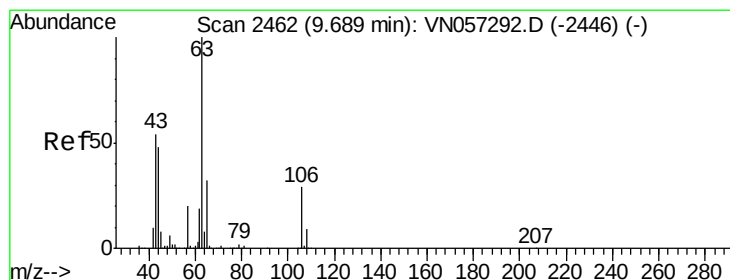
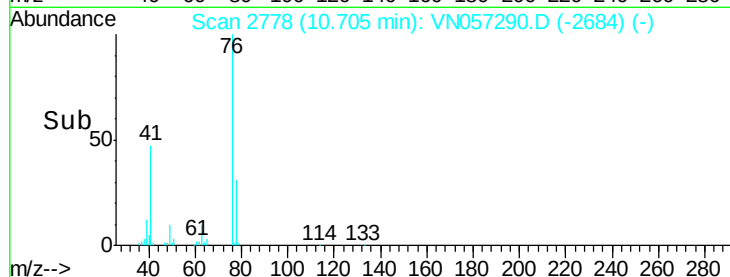
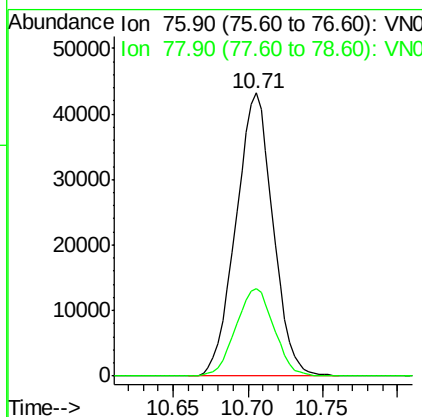
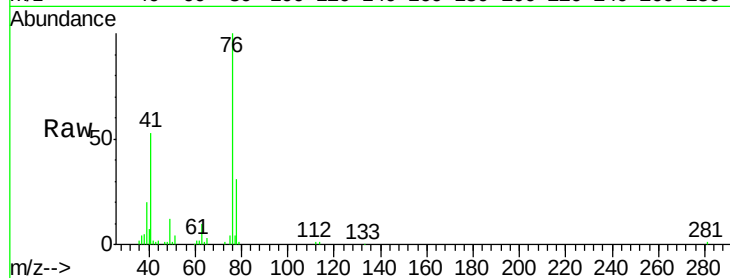
#57
 1,3-Dichloropropane
 Concen: 5.487 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	25.6	38.4

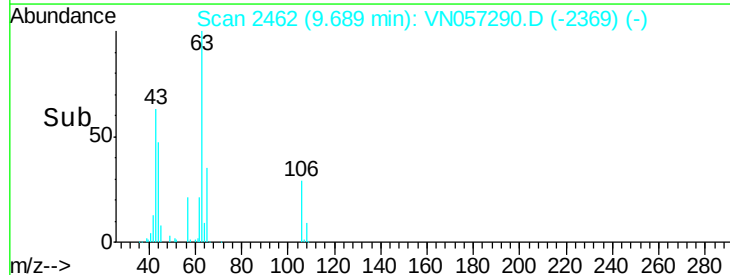
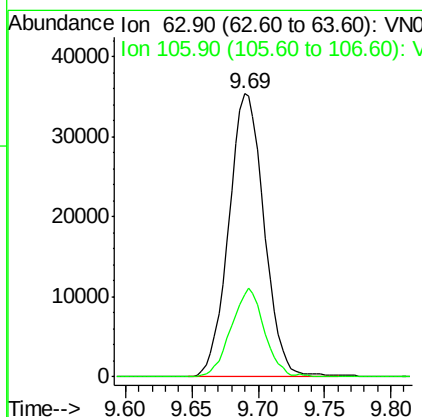
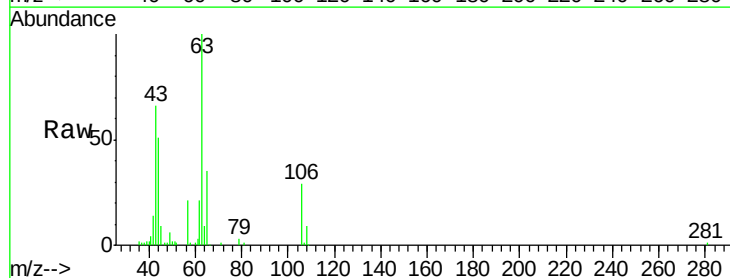
Manual Integrations
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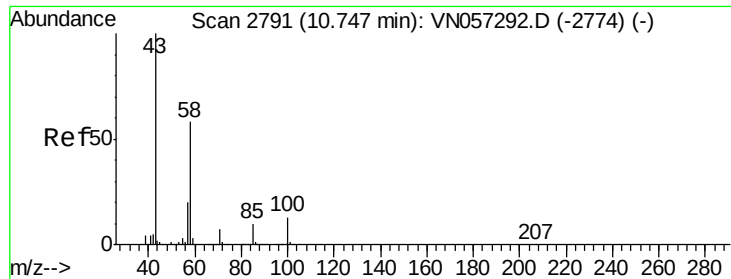
MMDadoda
 8/19/2019 1:53:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 22.468 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.2	23.2	34.8





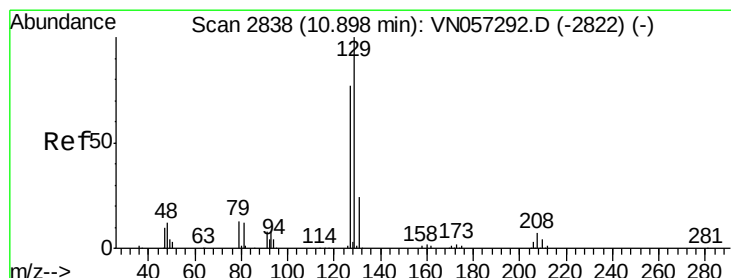
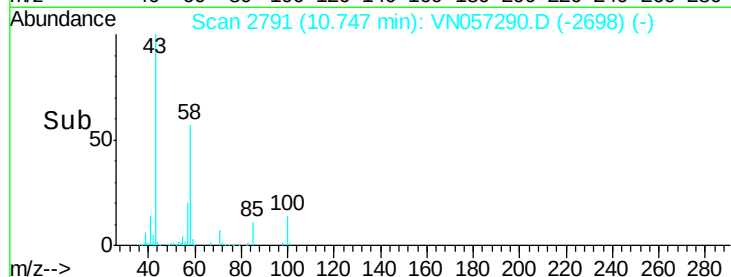
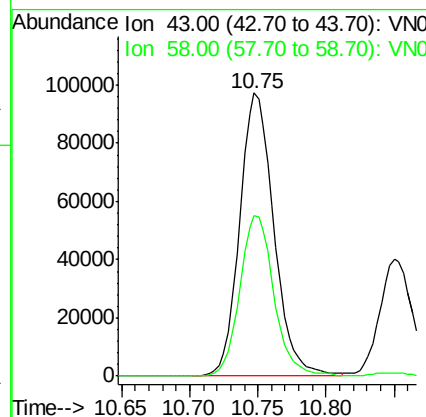
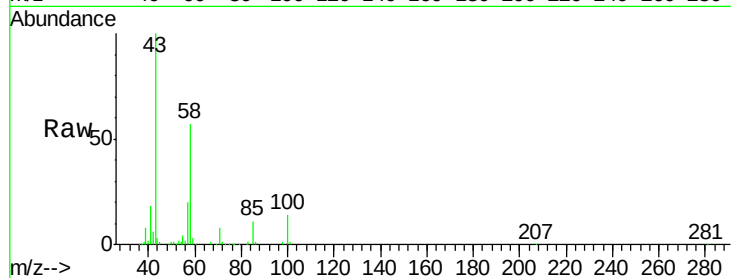
#59
2-Hexanone
Concen: 27.045 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 168357
Ion Ratio Lower Upper
43 100
58 56.8 28.6 85.9

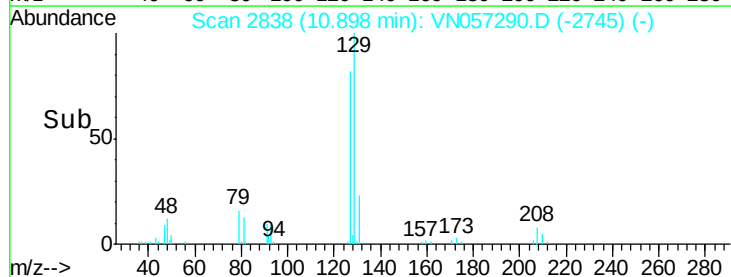
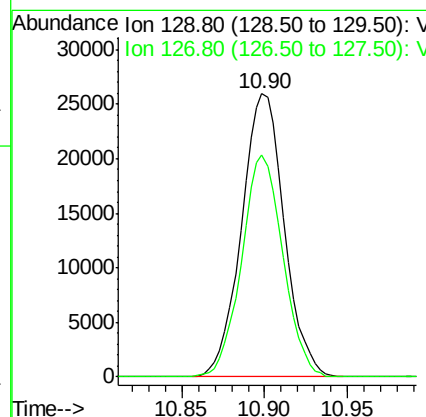
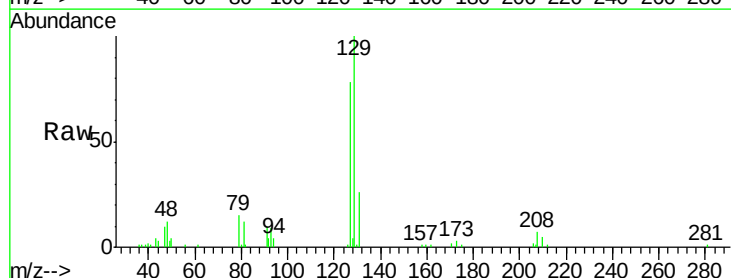
Manual Integrations
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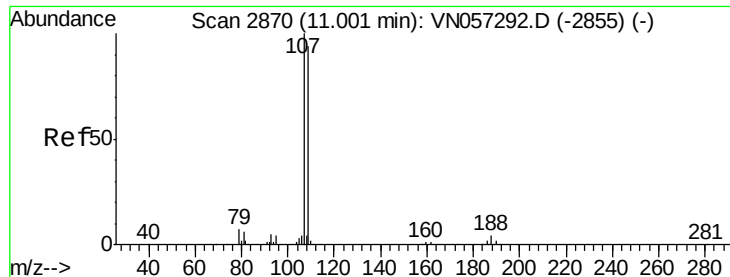
MMdadoda
8/19/2019 1:53:14 AM



#60
Dibromochloromethane
Concen: 5.048 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion: 129 Resp: 46590
Ion Ratio Lower Upper
129 100
127 75.6 39.0 116.9





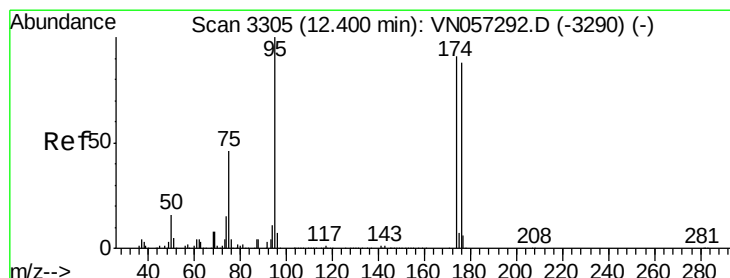
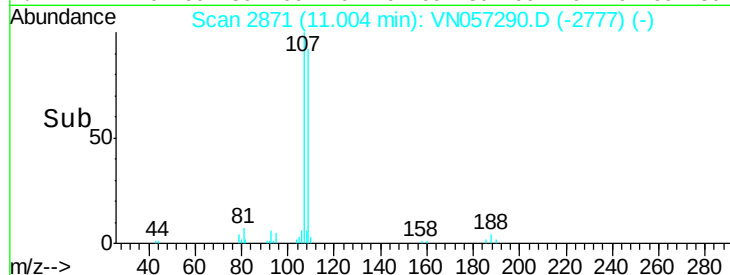
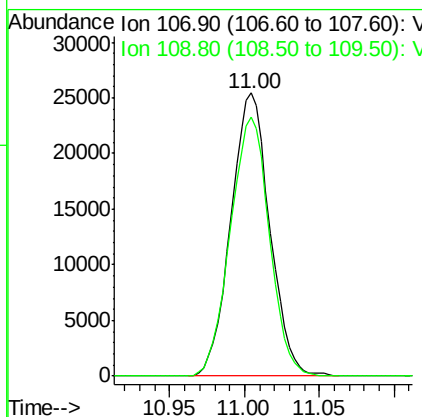
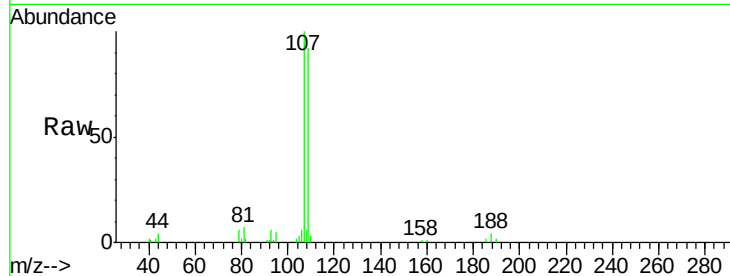
#61
 1,2-Dibromoethane
 Concen: 5.381 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:107 Resp: 46004
 Ion Ratio Lower Upper
 107 100
 109 92.0 75.7 113.5

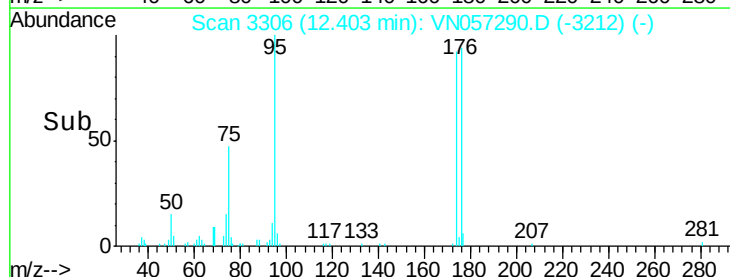
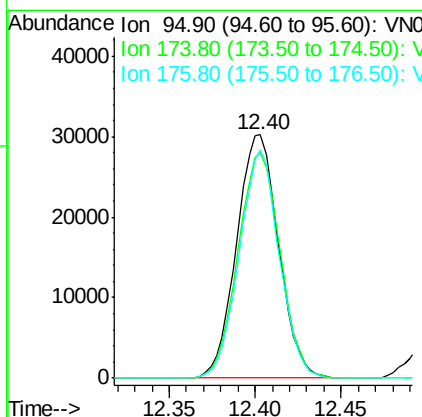
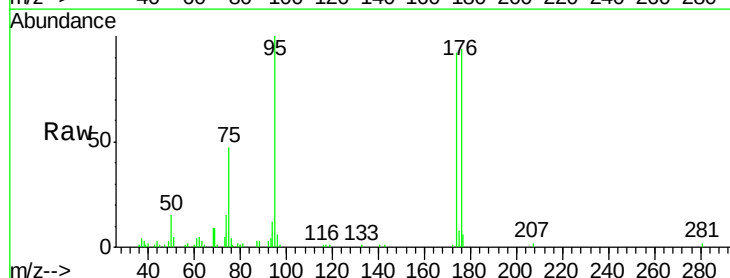
Manual Integrations
 APPROVED

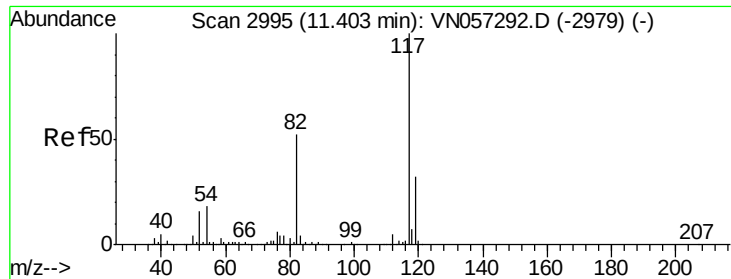
MMdadoda
 8/19/2019 1:53:14 AM



#62
 4-Bromofluorobenzene
 Concen: 5.044 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Tgt Ion: 95 Resp: 51113
 Ion Ratio Lower Upper
 95 100
 174 93.3 0.0 185.0
 176 89.2 0.0 181.0





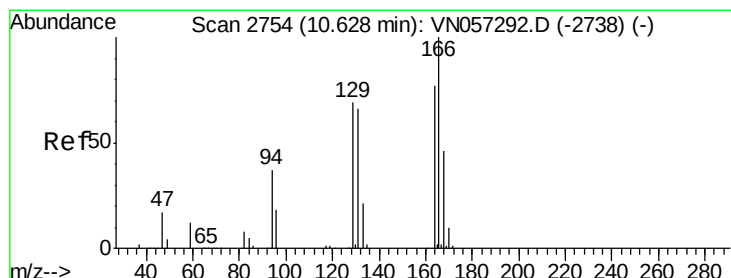
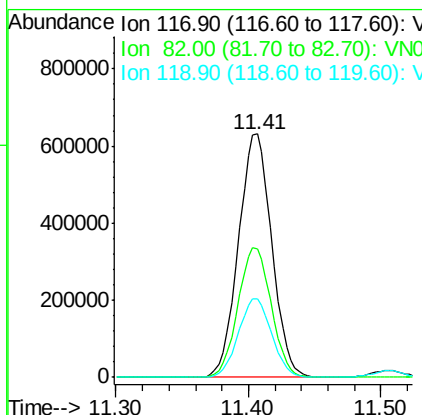
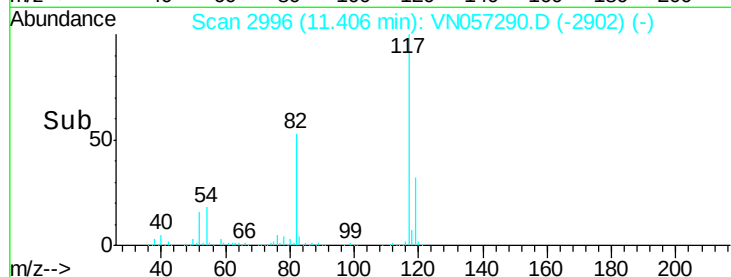
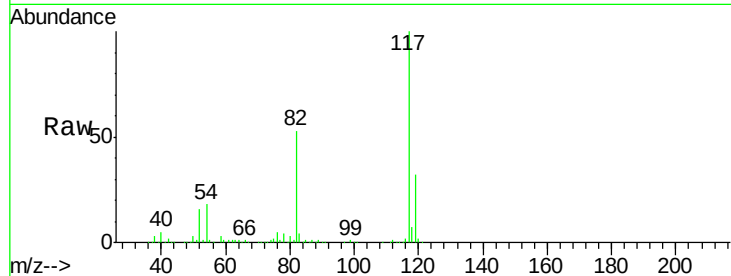
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	41.2	61.8
119	32.4	25.8	38.8

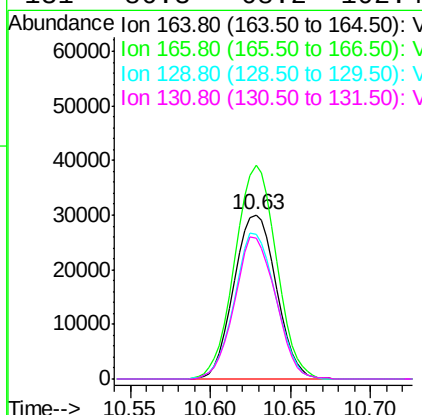
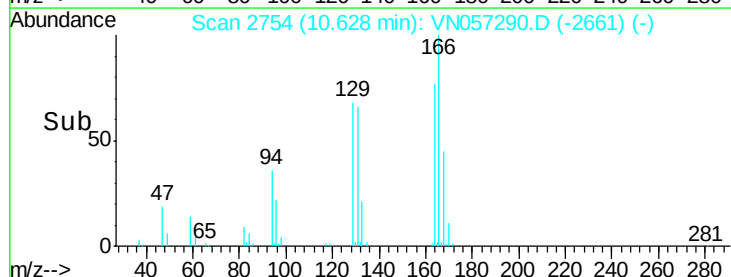
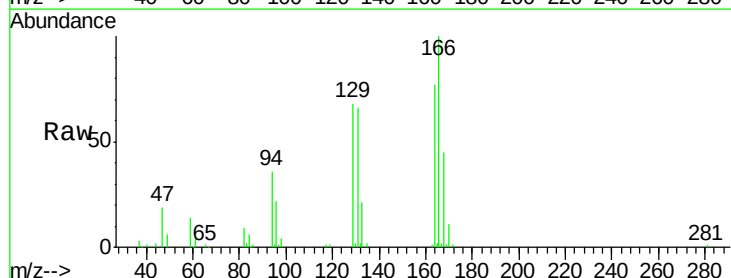
Manual Integrations
APPROVED

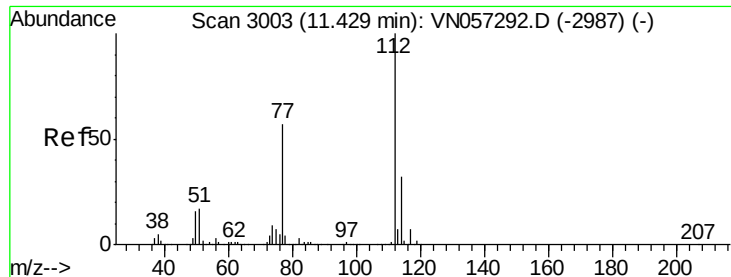
MMDadoda
8/19/2019 1:53:14 AM



#64
Tetrachloroethene
Concen: 5.609 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.3	103.5	155.3
129	88.6	71.2	106.8
131	86.3	68.2	102.4





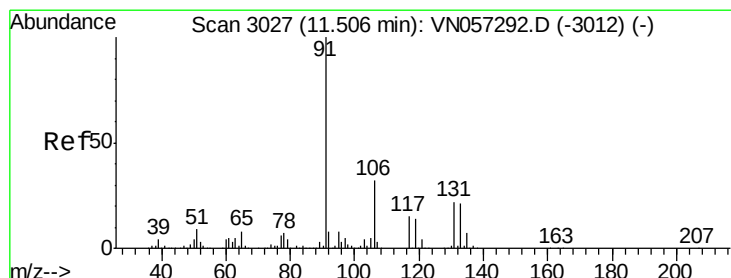
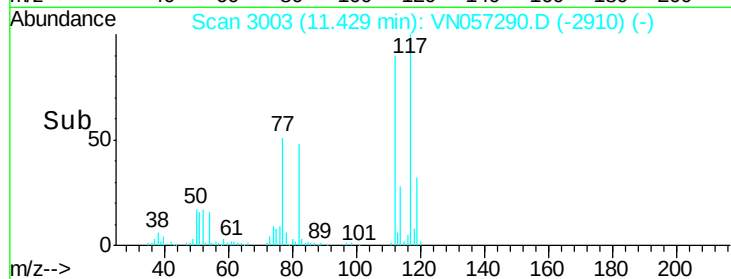
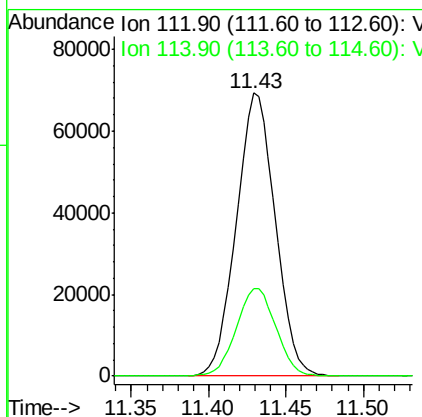
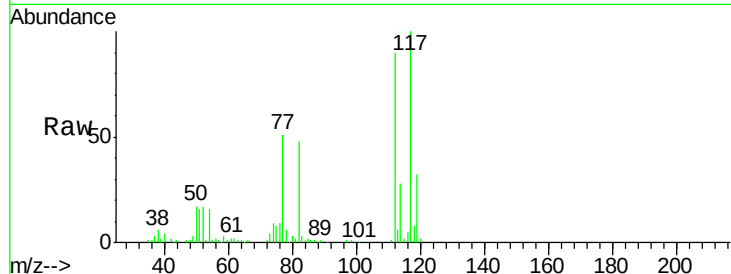
#65
Chlorobenzene
Concen: 5.413 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.7	38.5

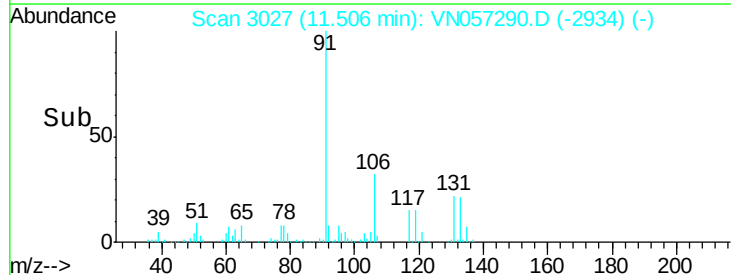
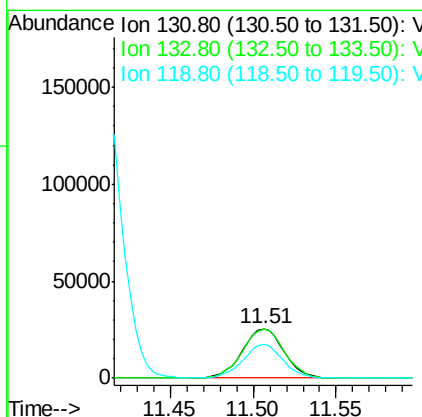
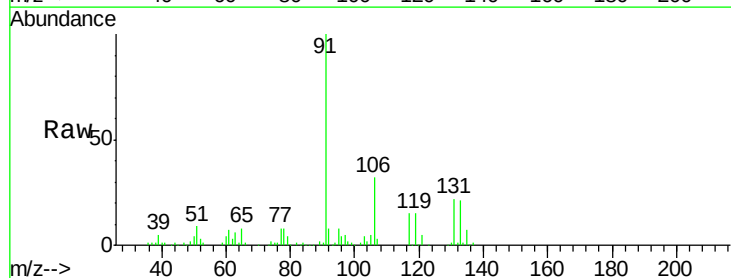
Manual Integrations
APPROVED

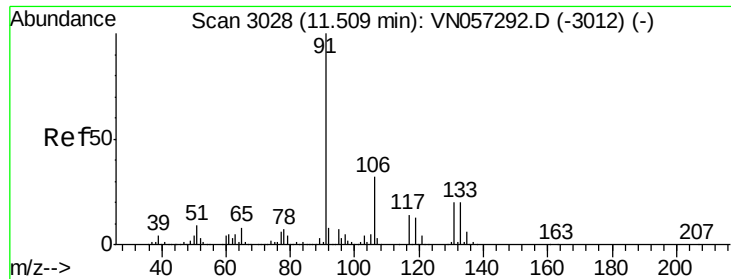
MMdadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 5.111 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	100.1	47.6	142.8
119	66.6	32.0	96.2





#67

Ethyl Benzene

Concen: 5.320 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 204191

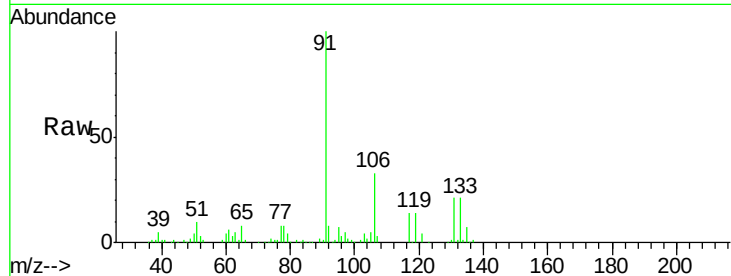
Ion Ratio Lower Upper

91 100

106 32.8 25.5 38.3

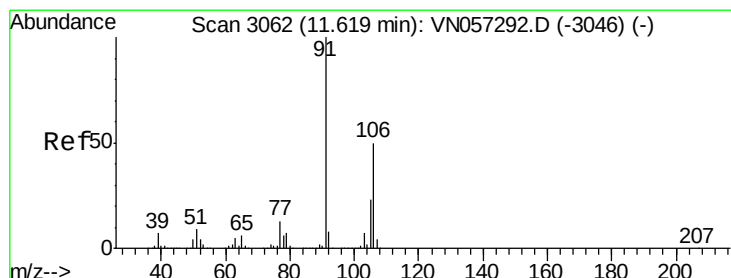
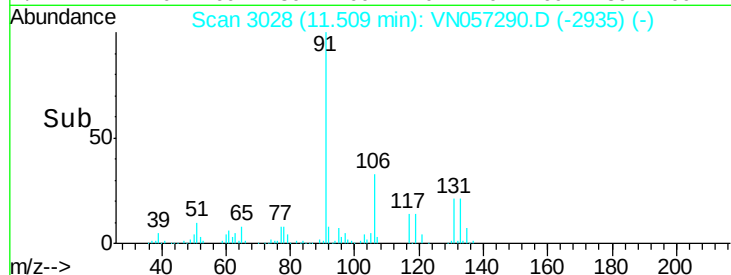
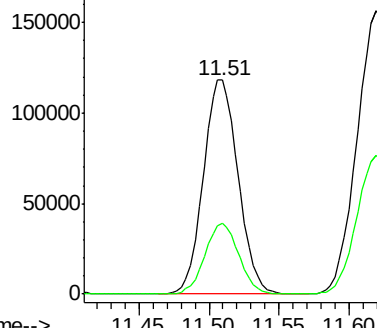
Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:53:14 AM



Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3012) (-)

Ion 106.00 (105.70 to 106.70): VN057292.D (-3012) (-)



#68

m/p-Xylenes

Concen: 10.229 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057290.D

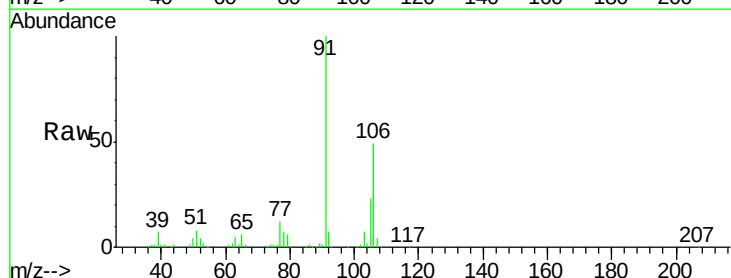
Acq: 14 Aug 2019 16:39

Tgt Ion: 106 Resp: 146666

Ion Ratio Lower Upper

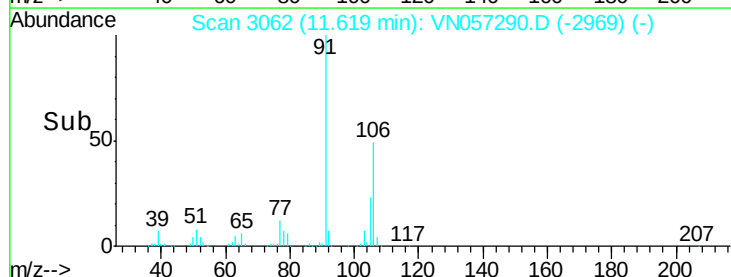
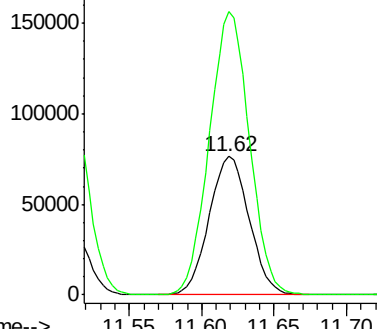
106 100

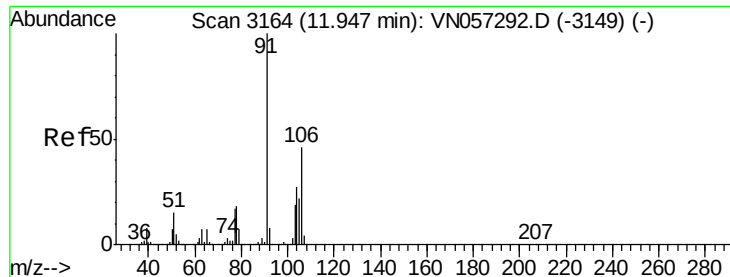
91 205.2 161.5 242.3



Abundance Ion 106.00 (105.70 to 106.70): VN057292.D (-3046) (-)

Ion 91.00 (90.70 to 91.70): VN057292.D (-3046) (-)





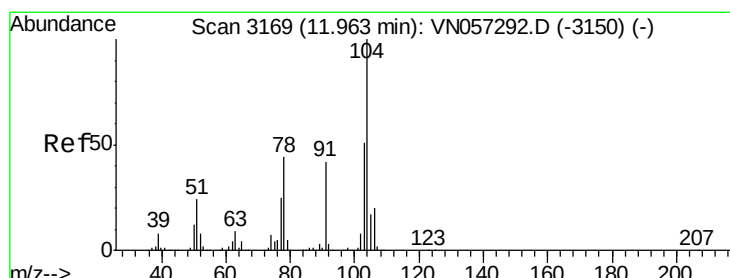
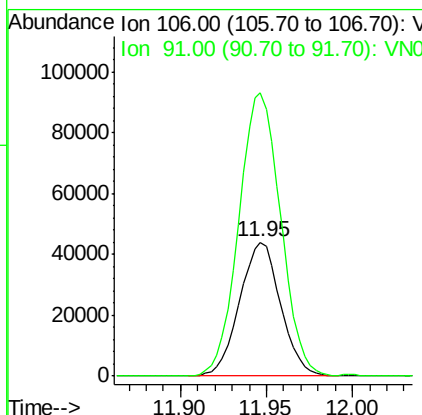
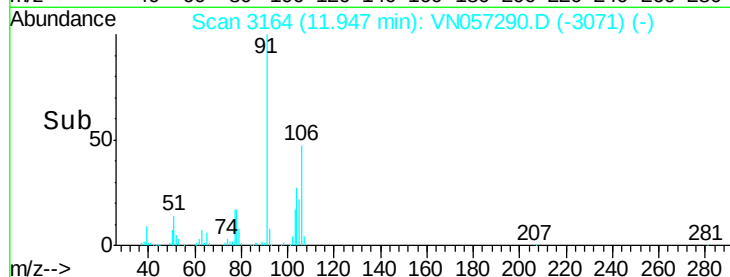
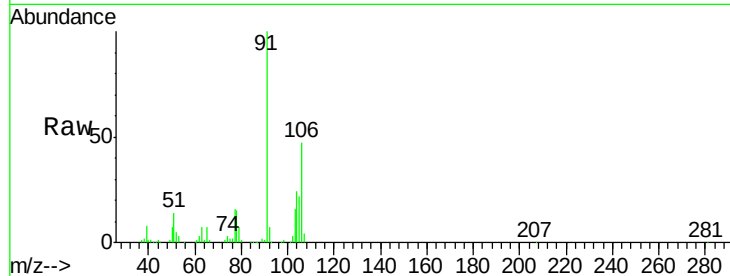
#69
o-Xylene
Concen: 5.187 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 72909
Ion Ratio Lower Upper
106 100
91 216.1 106.3 319.0

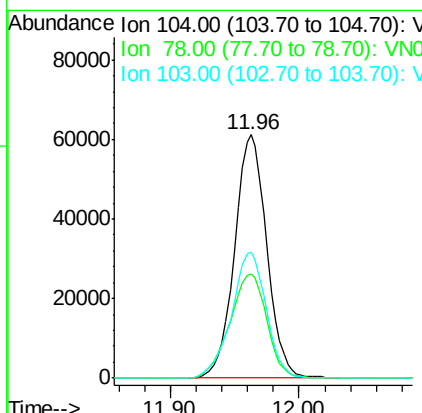
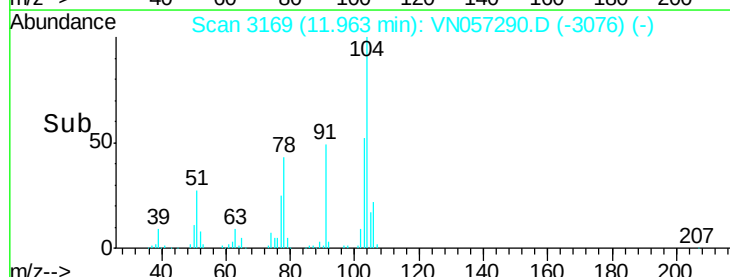
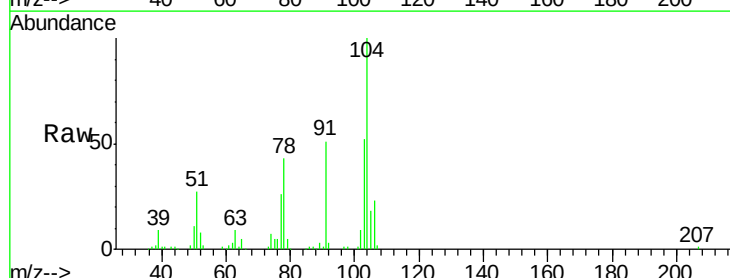
Manual Integrations
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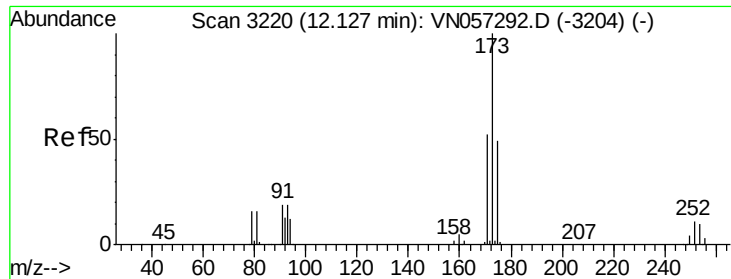
MMdadoda
8/19/2019 1:53:14 AM



#70
Styrene
Concen: 4.870 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion:104 Resp: 105830
Ion Ratio Lower Upper
104 100
78 49.0 39.2 58.8
103 55.7 44.6 66.8





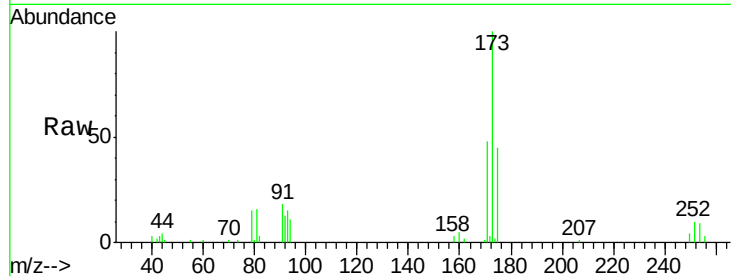
#71
Bromoform
Concen: 4.893 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

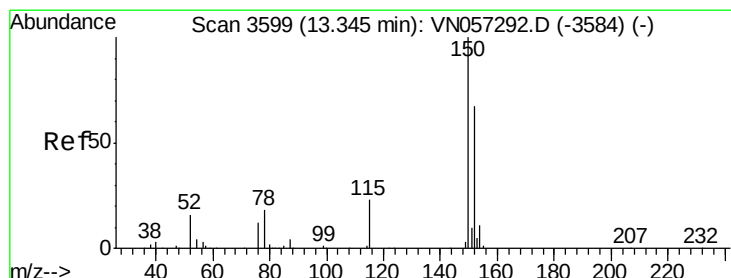
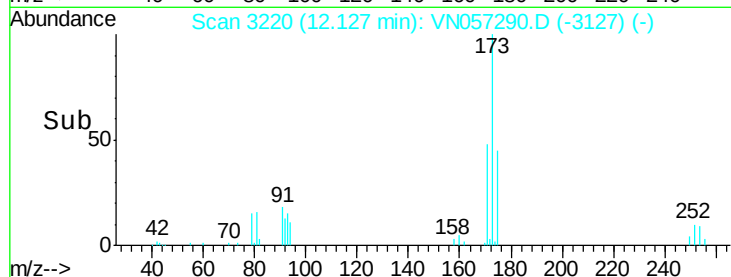
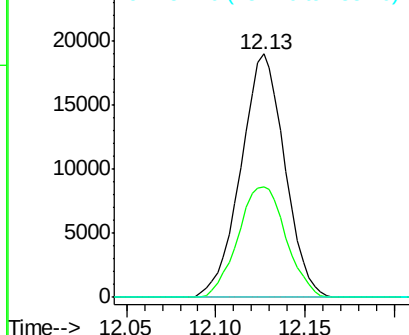
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.5	24.2	72.6
254	0.0	0.2	0.2

Manual Integrations
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MMdadoda
8/19/2019 1:53:14 AM

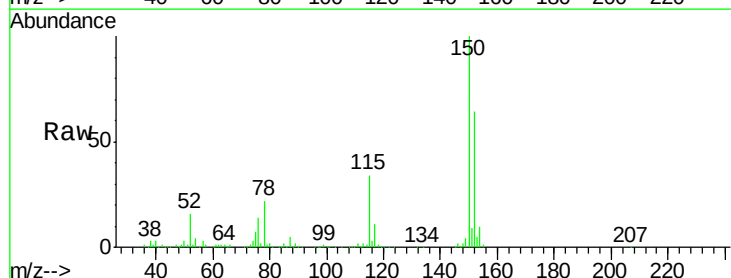


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

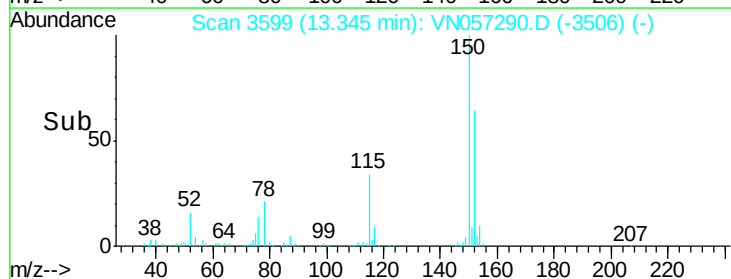
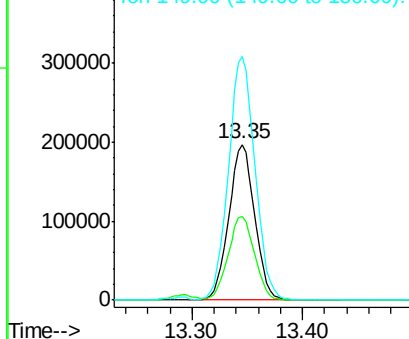


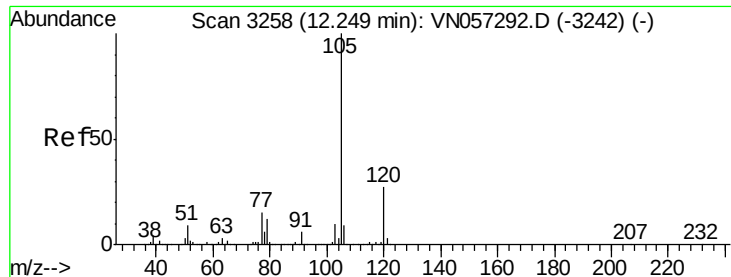
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	27.3	81.9
150	160.9	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: 6.394 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 189216

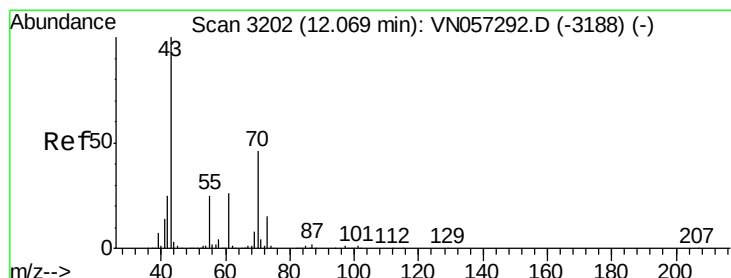
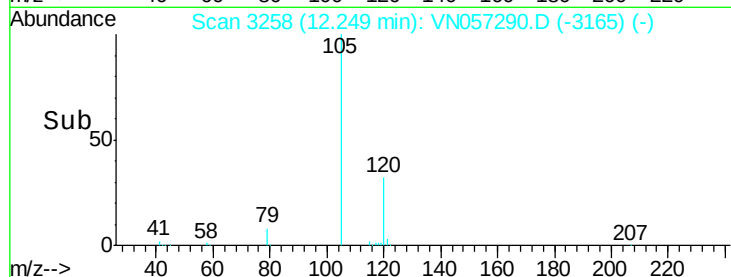
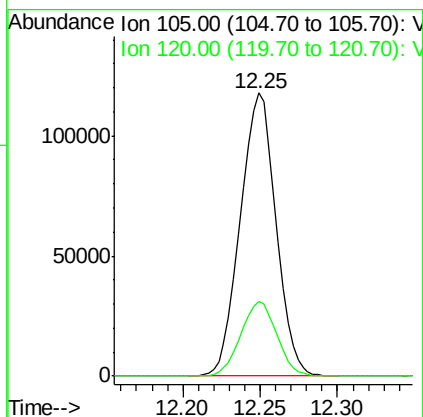
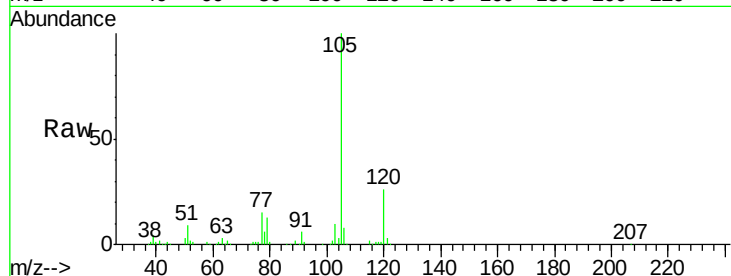
Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.6

Manual Integrations
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#74

N-ethyl acetate

Concen: 6.564 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Tgt Ion: 43 Resp: 56682

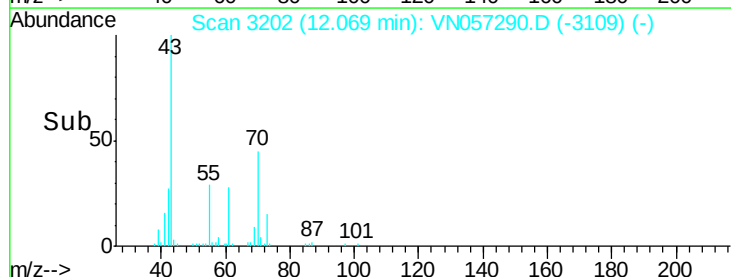
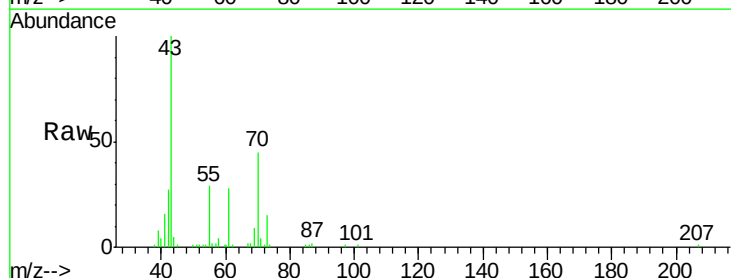
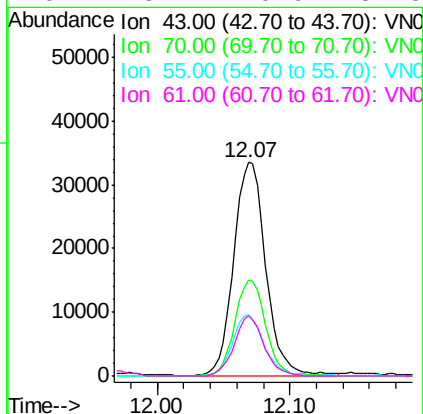
Ion Ratio Lower Upper

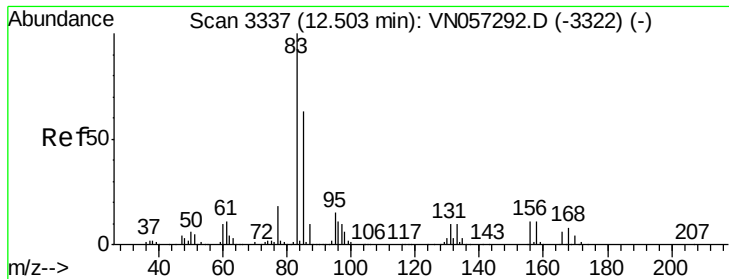
43 100

70 43.1 36.2 54.2

55 27.7 20.1 30.1

61 25.7 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 6.561 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

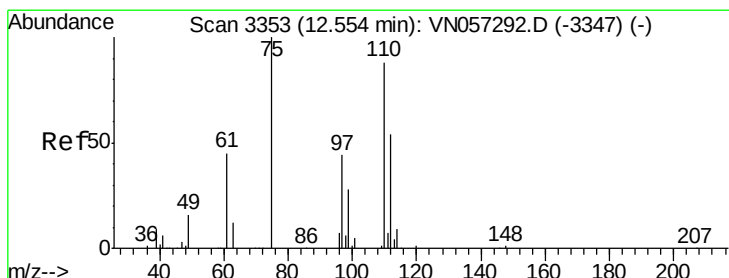
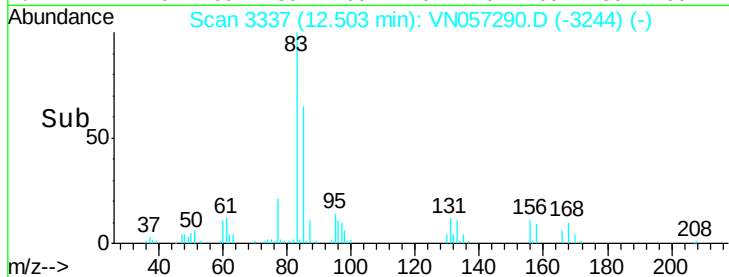
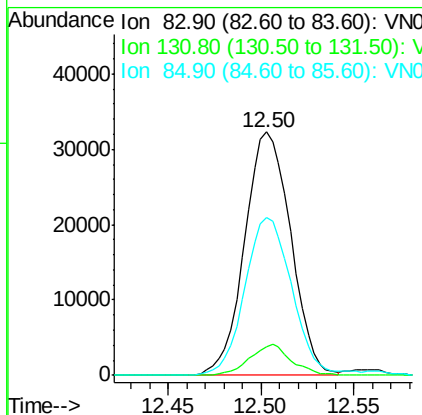
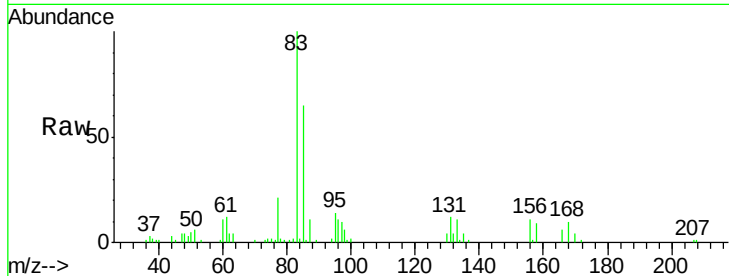
ClientSampleId :

VSTDIC005

Tot Ion:	83	Resp:	55738
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.4	16.2
85	66.5	32.3	96.9

Manual Integrations
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8/19/2019 1:53:14 AM



#76

1,2,3-Trichloropropane

Concen: 7.076 ug/l m

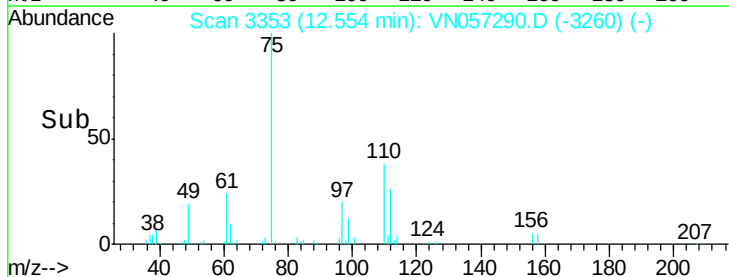
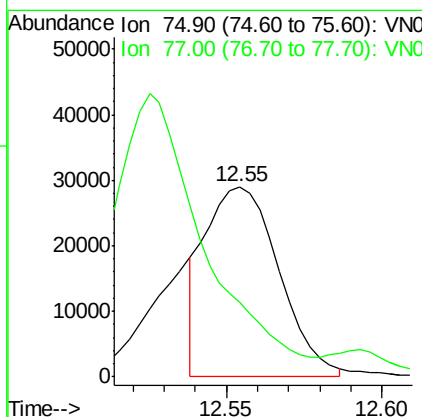
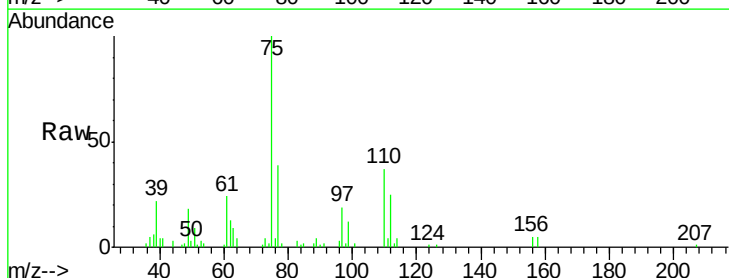
RT: 12.55 min Scan# 3353

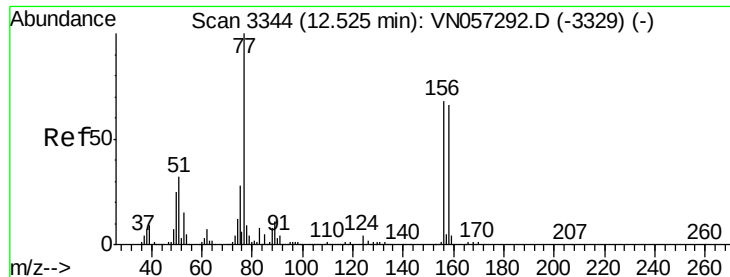
Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Tgt Ion:	75	Resp:	47764
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 6.090 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

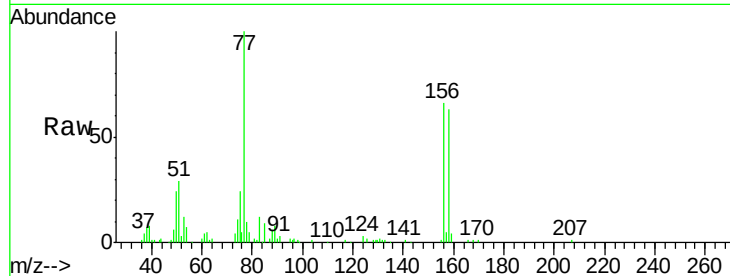
ClientSampleId :

VSTDIC005

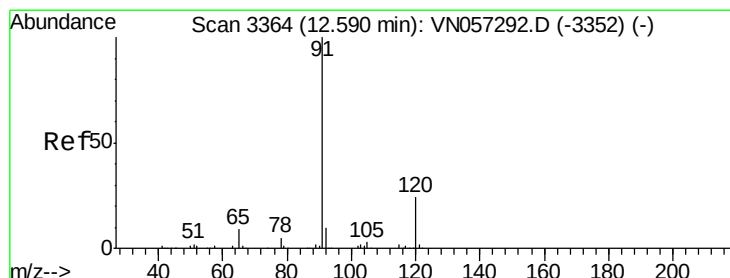
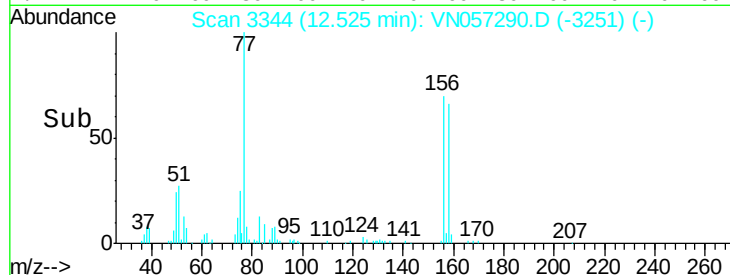
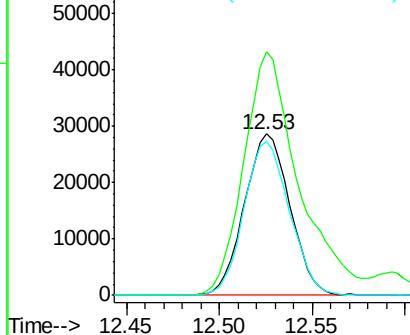
Tot Ion:	156	Resp:	49056
Ion Ratio	Lower	Upper	
156	100		
77	182.1	89.8	269.6
158	95.2	49.3	147.8

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VNO
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.897 ug/l

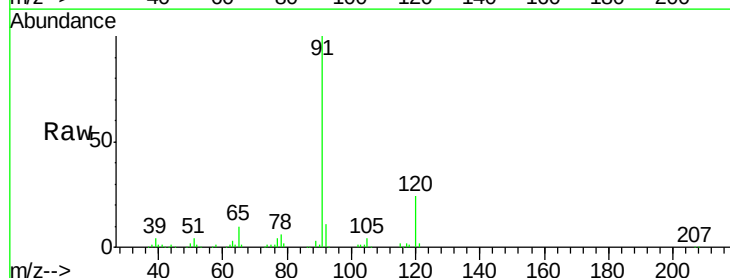
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

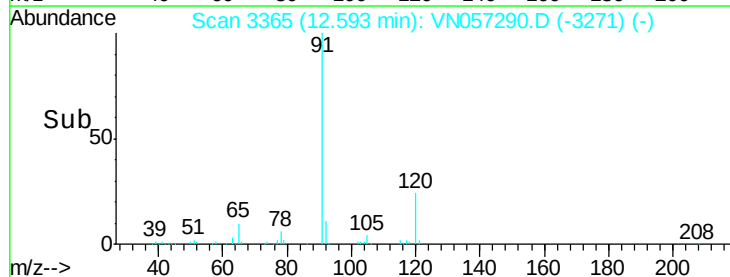
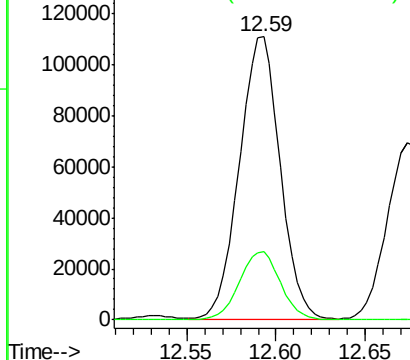
Lab File: VN057290.D

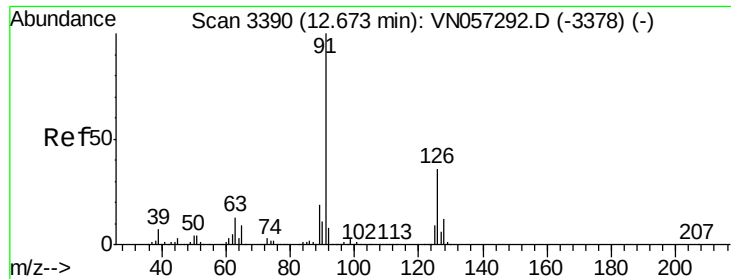
Acq: 14 Aug 2019 16:39

Tgt Ion:	91	Resp:	175703
Ion Ratio	Lower	Upper	
91	100		
120	24.4	11.9	35.7



Abundance Ion 91.00 (90.70 to 91.70): VNO
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 6.107 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 116312

Ion Ratio Lower Upper

91 100

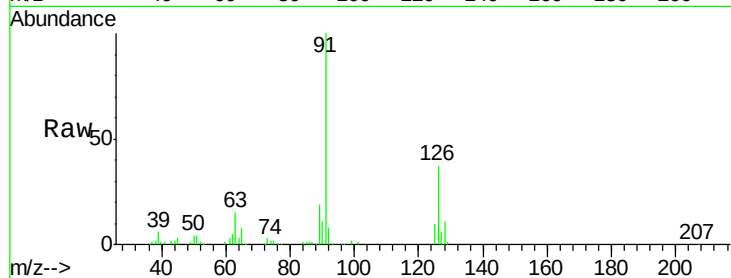
126 36.2 18.1 54.1

Manual Integrations

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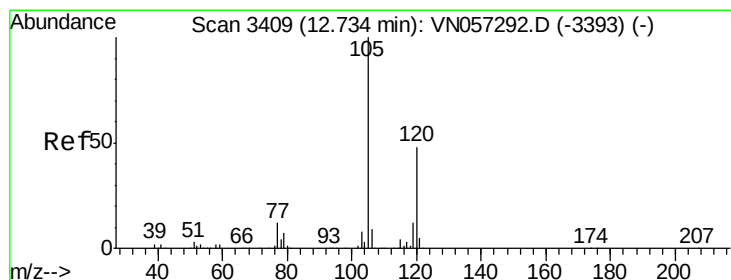
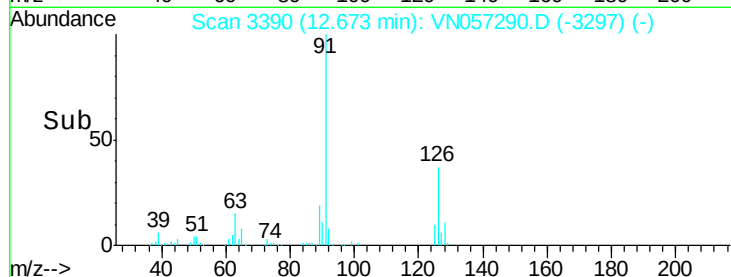
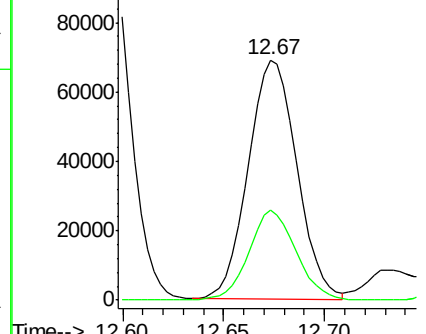
MMdadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN057290.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057290.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 6.157 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057290.D

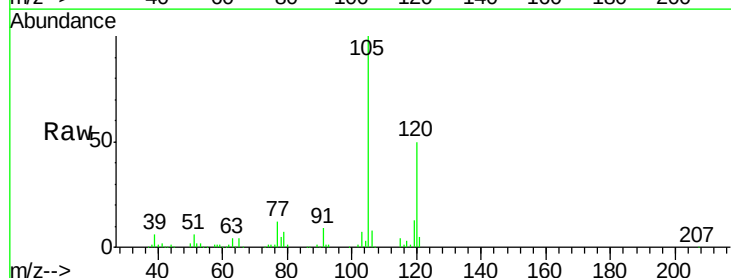
Acq: 14 Aug 2019 16:39

Tgt Ion: 105 Resp: 147743

Ion Ratio Lower Upper

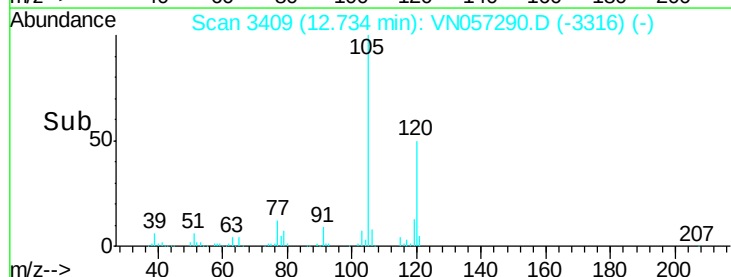
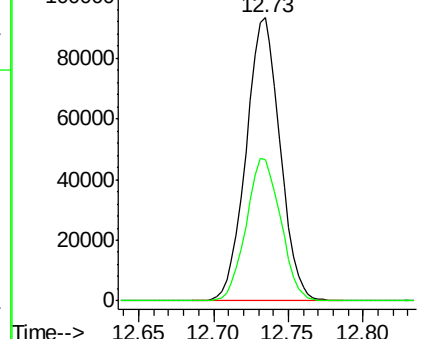
105 100

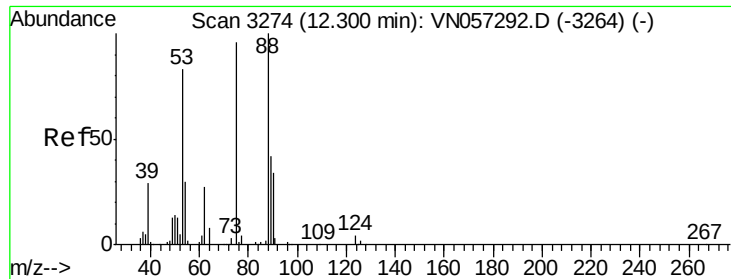
120 50.8 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN057290.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057290.D (-3393) (-)





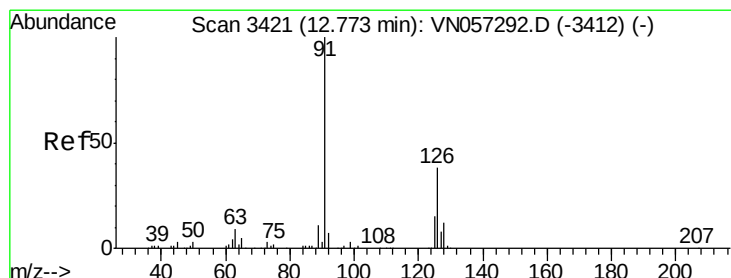
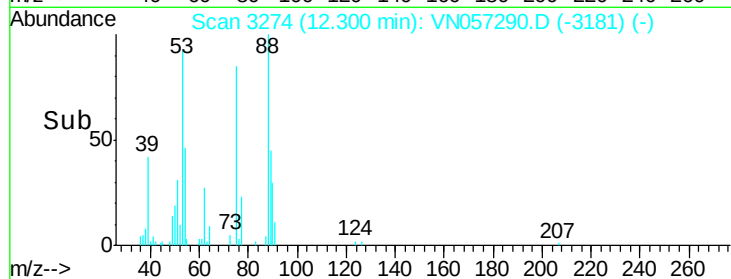
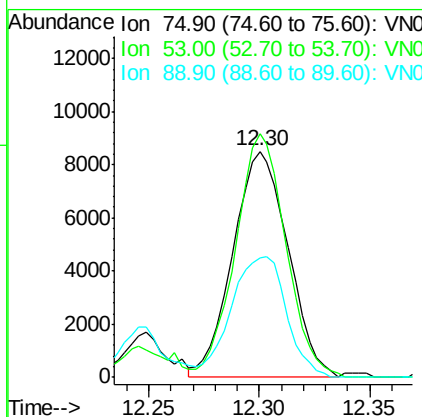
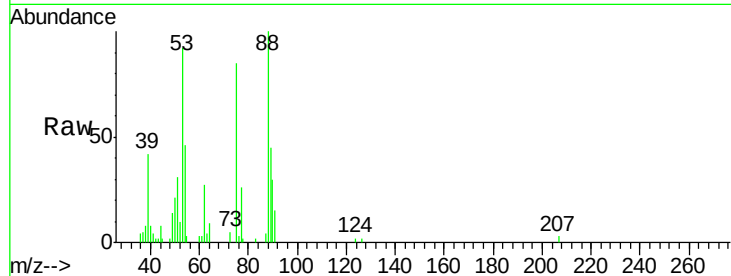
#81
trans-1,4-Dichloro-2-butene
Concen: 6.132 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.9	67.9	101.9
89	53.4	36.2	54.4

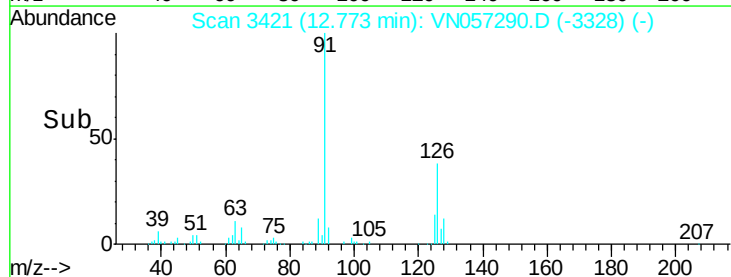
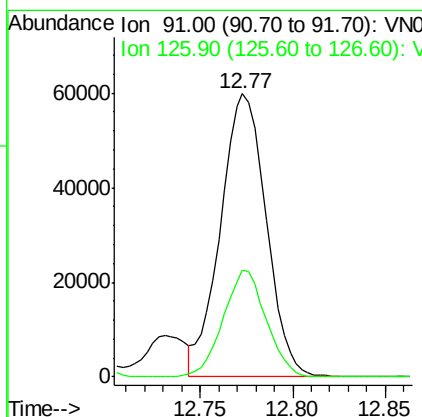
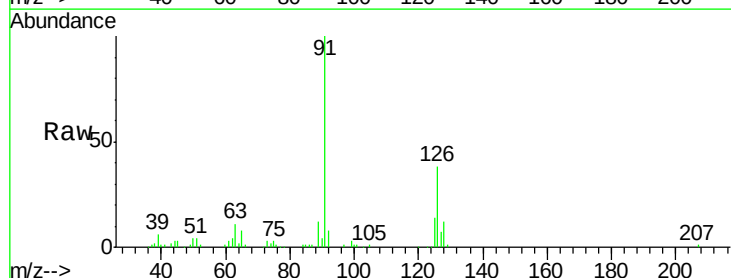
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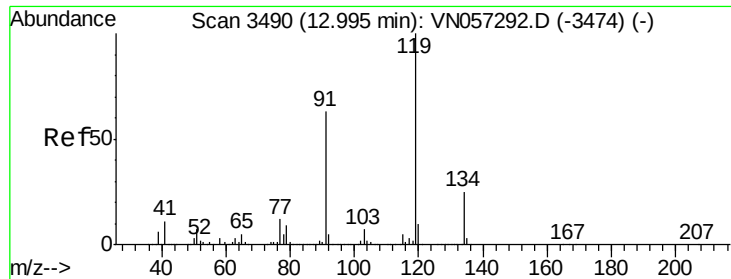
MMDadoda
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#82
4-Chlorotoluene
Concen: 5.821 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN057290.D
Acq: 14 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.3	51.7





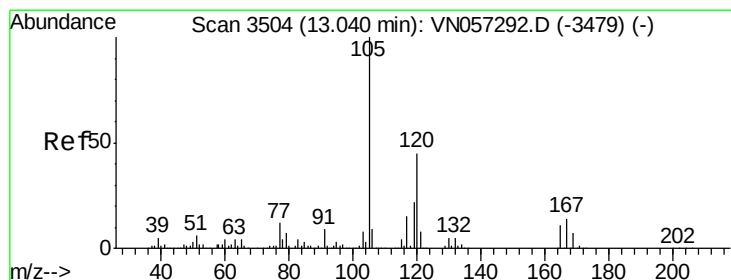
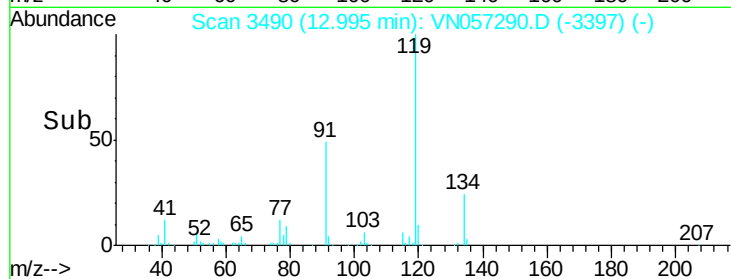
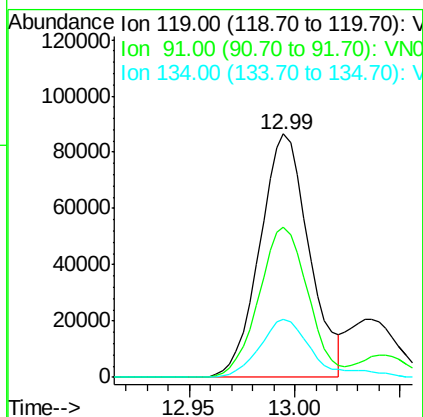
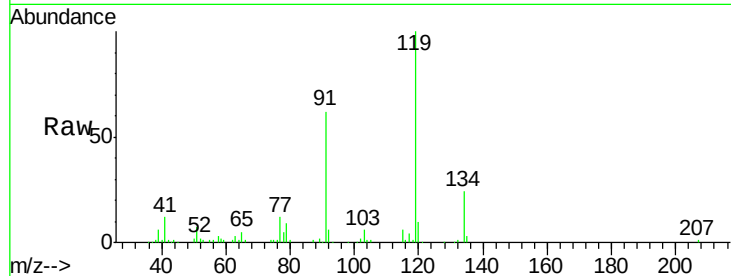
#83
 tert-Butylbenzene
 Concen: 6.280 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
119	100	140667		
91	61.8		31.3	93.8
134	25.8		13.1	39.1

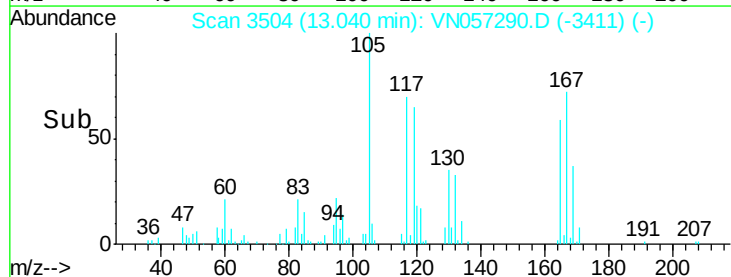
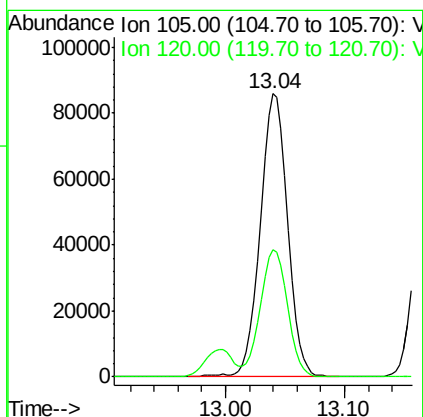
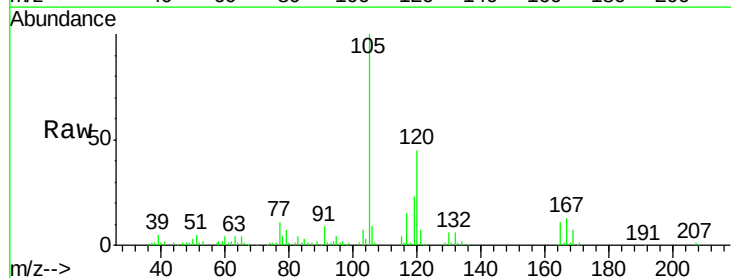
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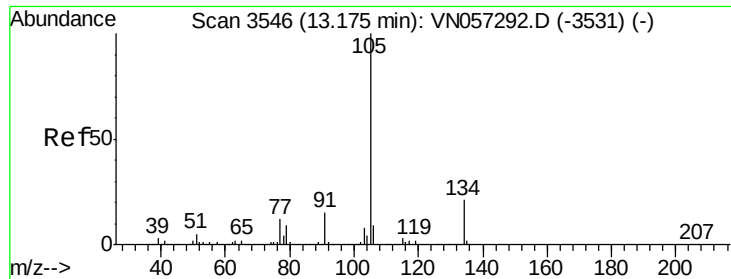
MMDadoda
 8/19/2019 1:53:14 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 6.089 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	136656		
120	44.4		22.6	67.7





#85

sec-Butylbenzene

Concen: 6.058 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 162546

Ion Ratio Lower Upper

105 100

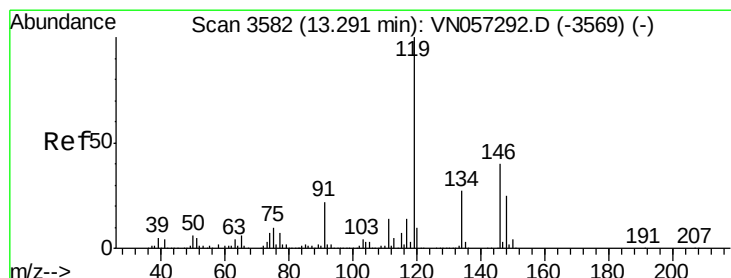
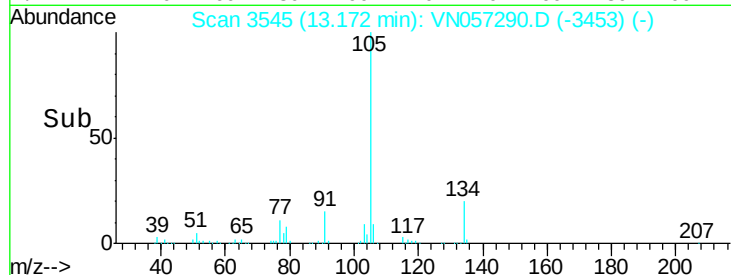
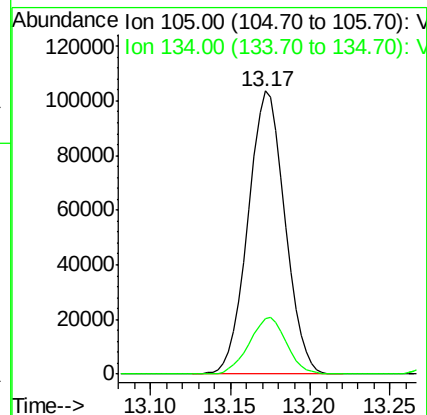
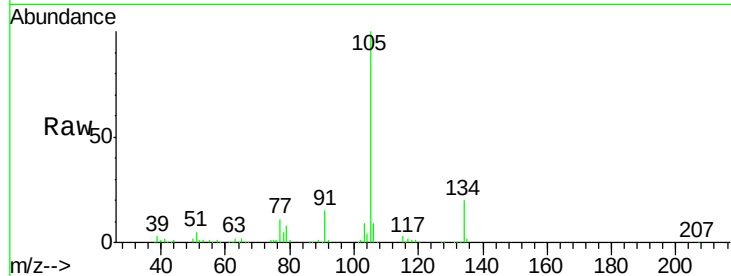
134 20.1 10.4 31.2

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 5.949 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

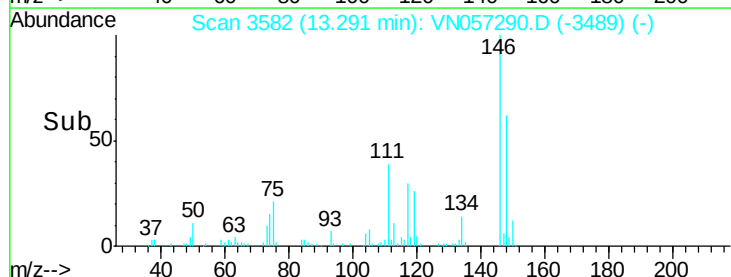
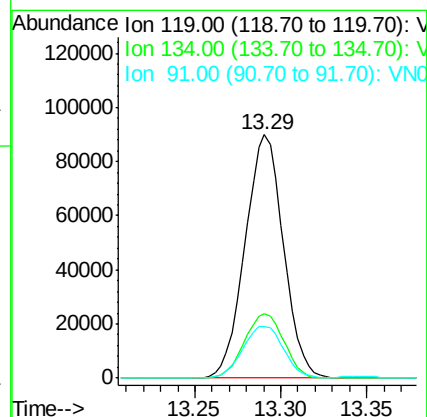
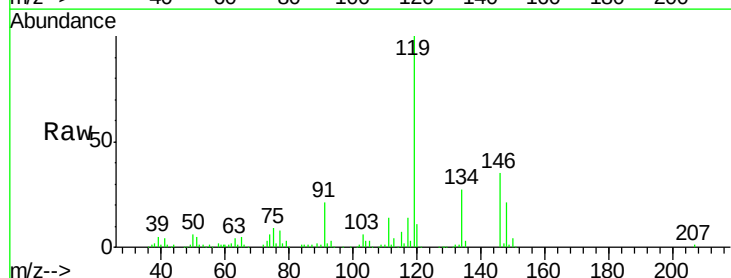
Tgt Ion:119 Resp: 139163

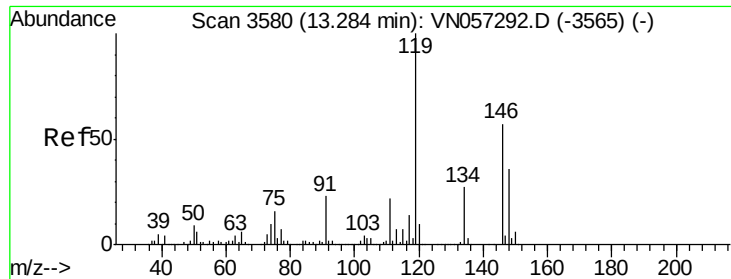
Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.2

91 22.9 11.2 33.5





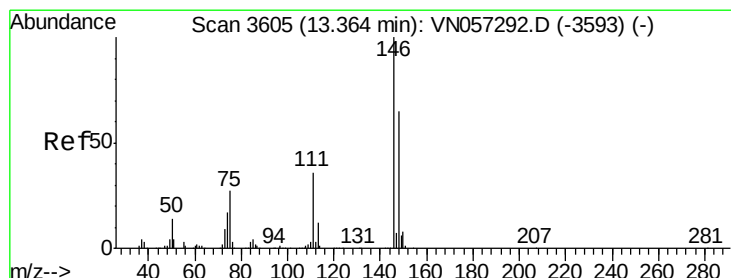
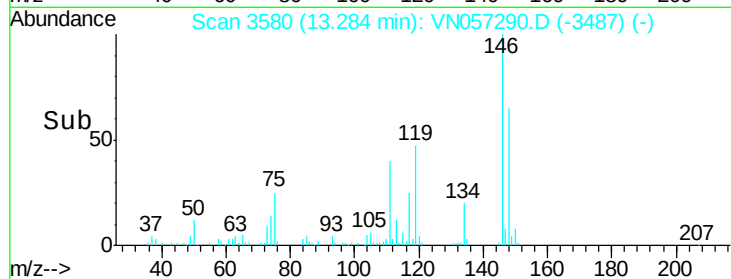
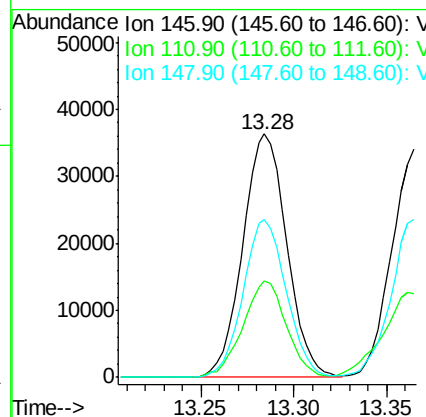
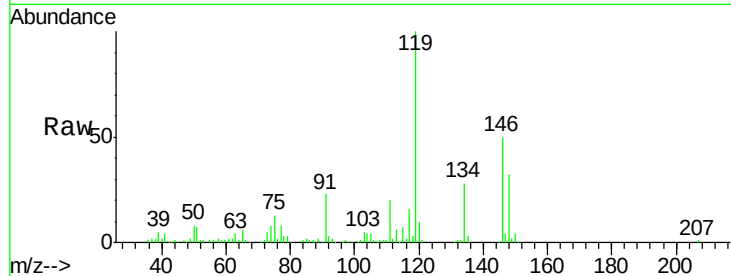
#87
 1,3-Dichlorobenzene
 Concen: 5.431 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.7	56.1
148	63.4	31.7	95.1

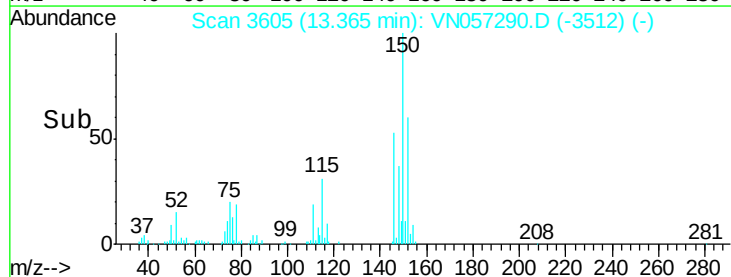
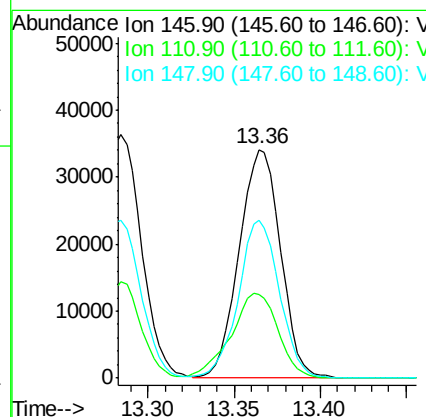
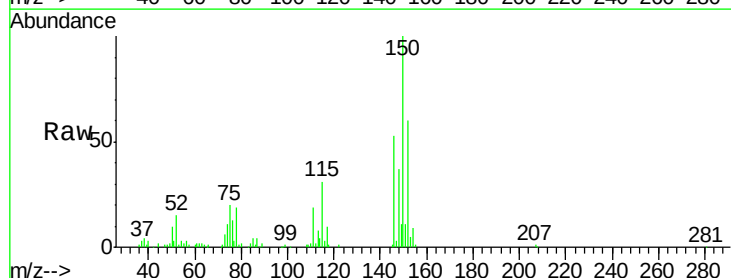
Manual Integrations
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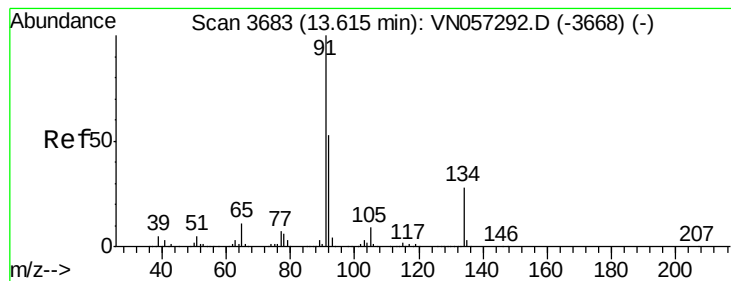
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#88
 1,4-Dichlorobenzene
 Concen: 5.349 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	18.4	55.4
148	68.5	32.5	97.4





#89

n-Butylbenzene

Concen: 5.790 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

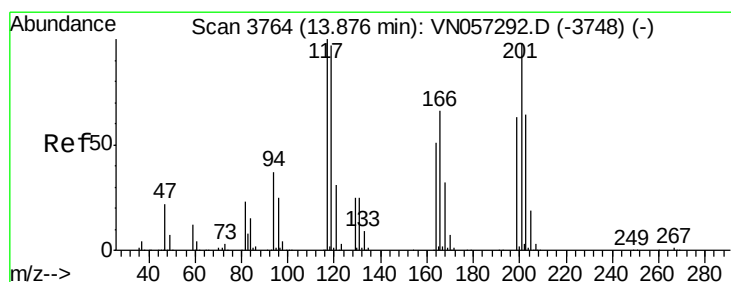
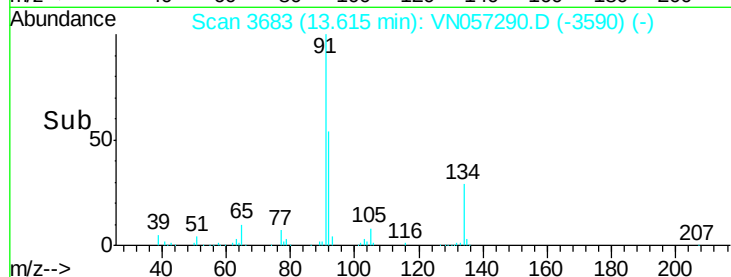
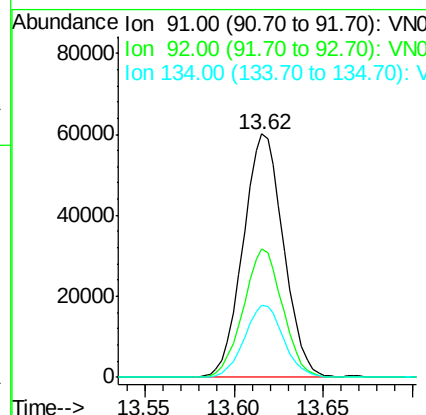
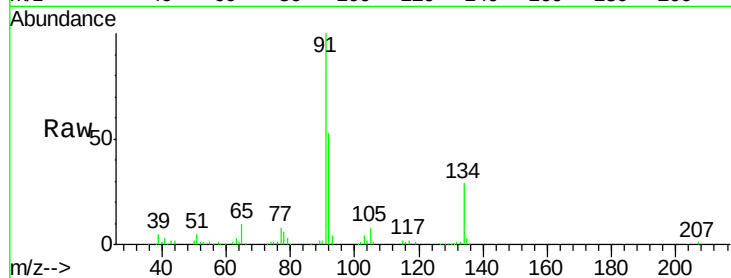
ClientSampleId :

VSTDIC005

Tot Ion:	91	Resp:	95193
Ion	Ratio	Lower	Upper
91	100		
92	51.2	26.2	78.6
134	28.7	13.9	41.7

Manual Integrations
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#90

Hexachloroethane

Concen: 6.233 ug/l

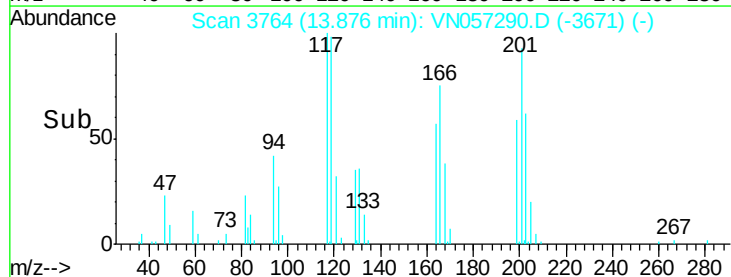
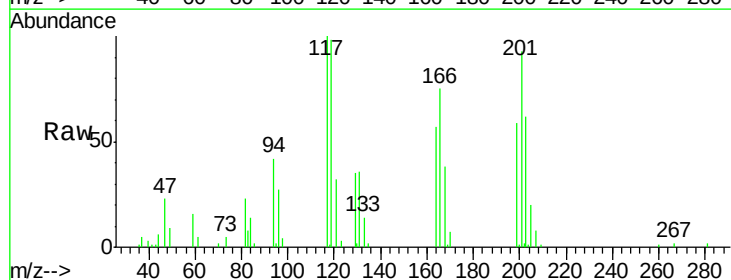
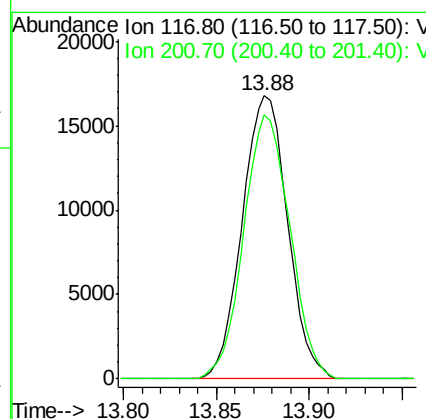
RT: 13.88 min Scan# 3764

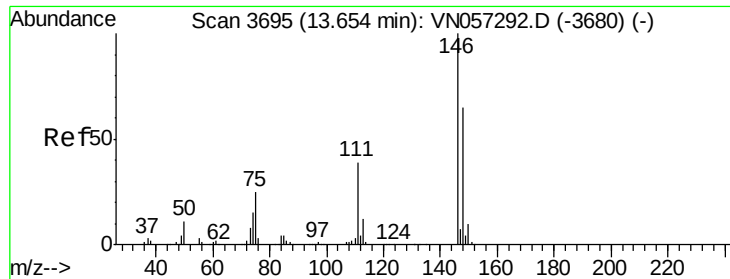
Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Tgt Ion:	117	Resp:	28492
Ion	Ratio	Lower	Upper
117	100		
201	94.9	48.4	145.0





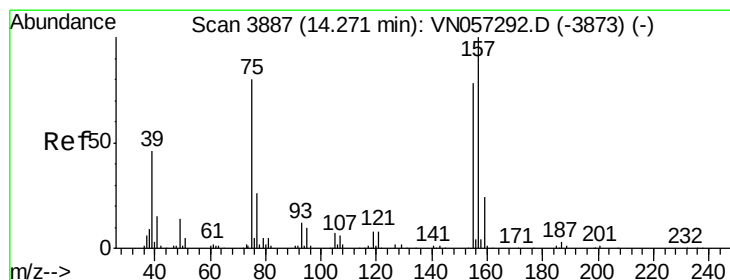
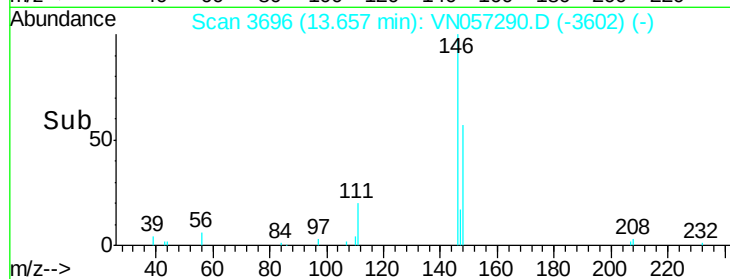
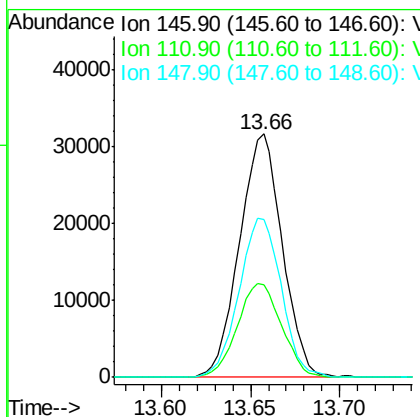
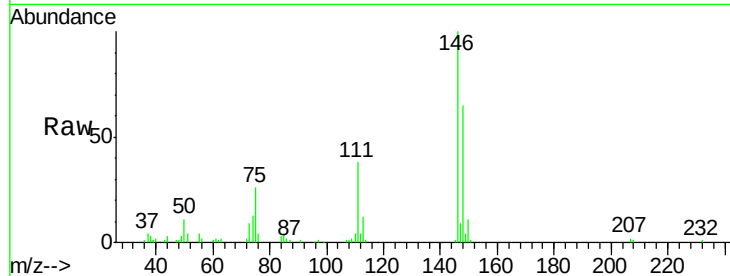
#91
 1,2-Dichlorobenzene
 Concen: 4.956 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	19.7	59.1
148	64.4	32.0	96.0

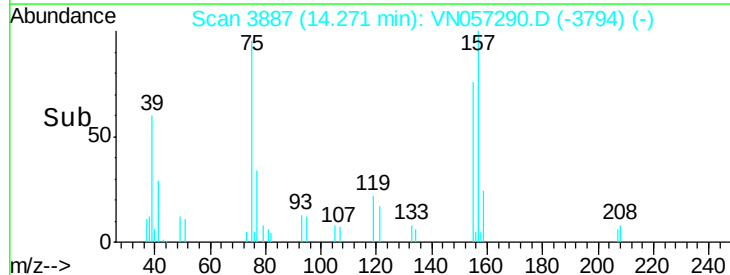
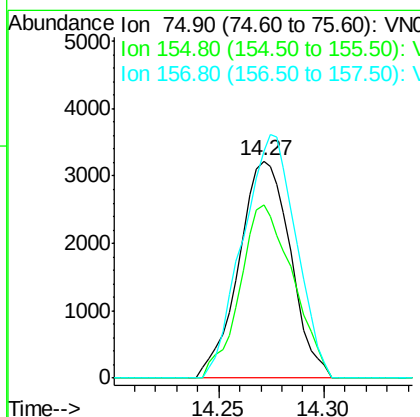
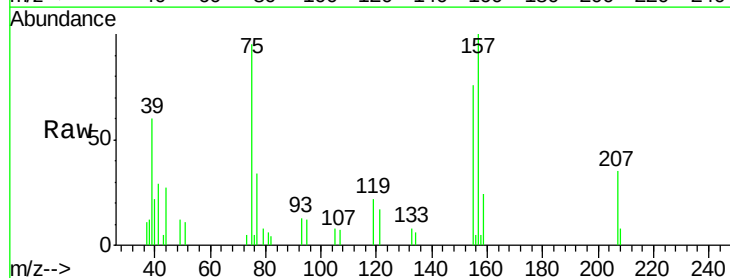
Manual Integrations
 APPROVED

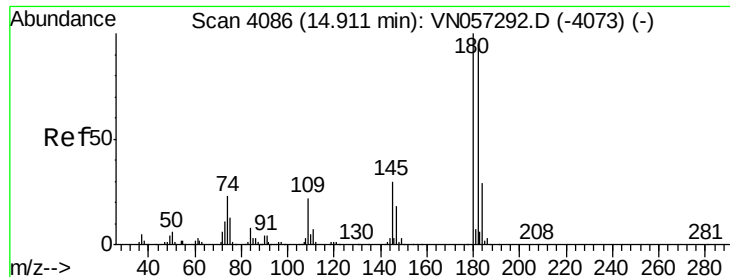
MMdadoda
 8/19/2019 1:53:14 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.119 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	49.6	148.8
157	116.2	63.7	191.1





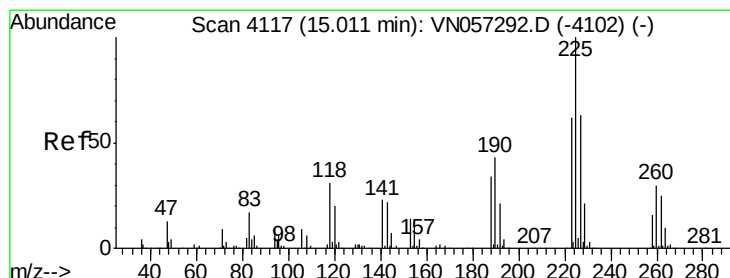
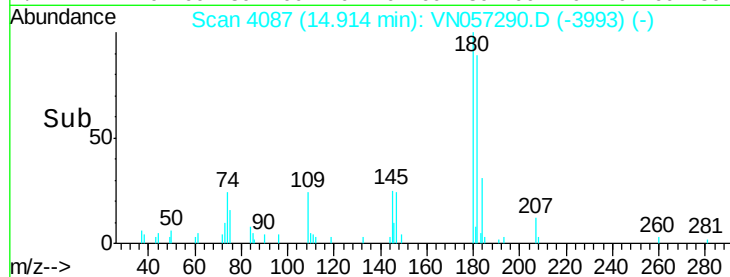
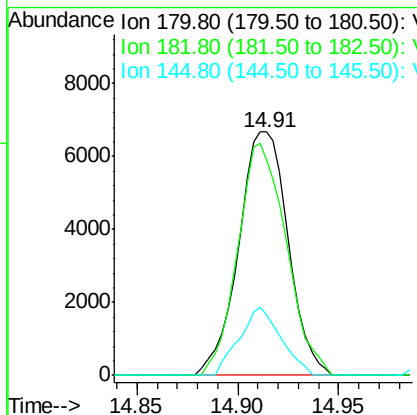
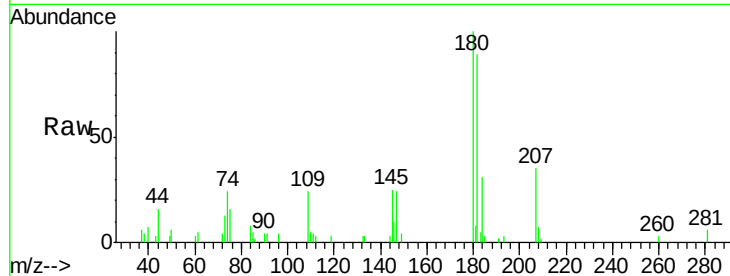
#93
 1,2,4-Trichlorobenzene
 Concen: 2.974 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	11439		
182	93.7	48.0	144.2	
145	23.7	14.5	43.6	

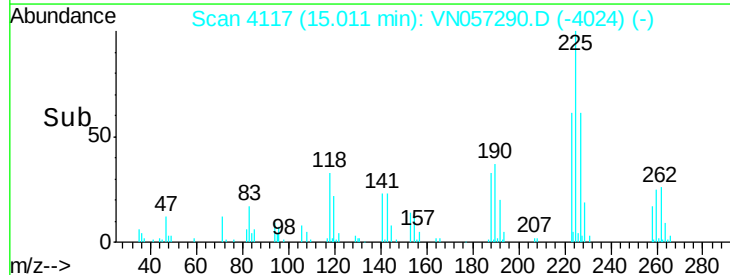
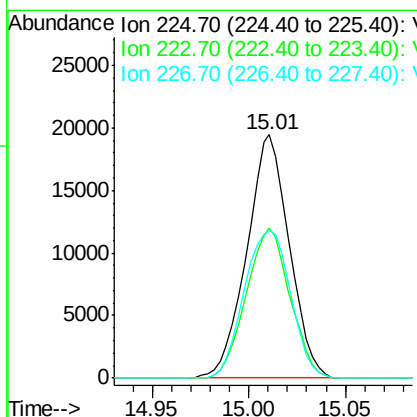
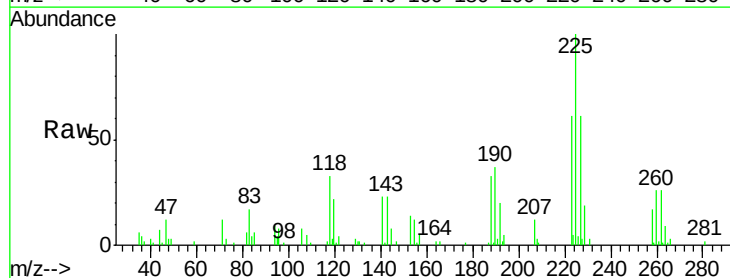
Manual Integrations
 APPROVED

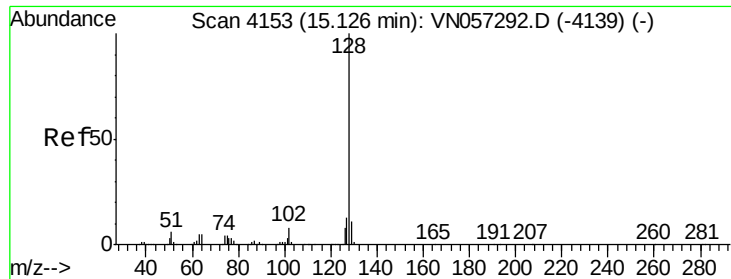
MMdadoda
 8/19/2019 1:53:14 AM



#94
 Hexachlorobutadiene
 Concen: 5.770 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057290.D
 Acq: 14 Aug 2019 16:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29750		
223	62.9	30.7	92.1	
227	66.1	30.9	92.7	





#95

Naphthalene

Concen: 3.442 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Instrument :

MSVOA_N

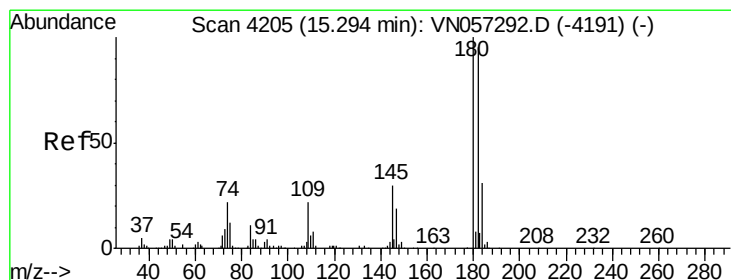
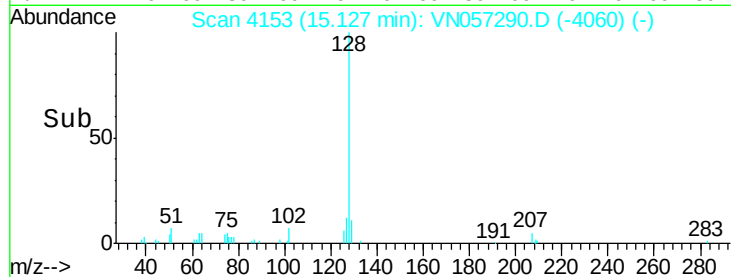
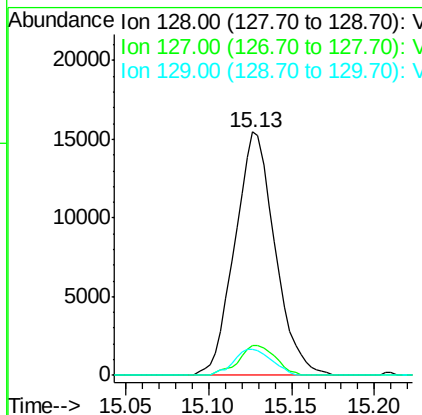
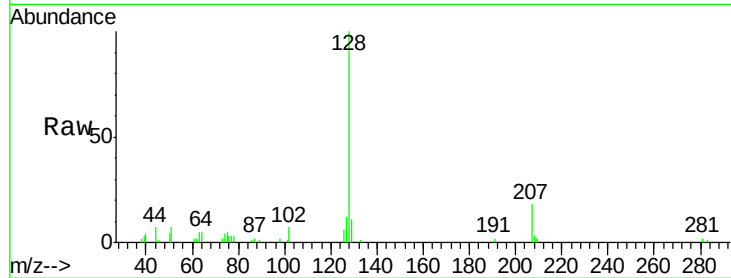
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	26001
Ion Ratio	Lower	Upper	
128	100		
127	11.5	10.5	15.7
129	10.2	8.8	13.2

Manual Integrations
APPROVED

MMdadoda
8/19/2019 1:53:14 AM



#96

1,2,3-Trichlorobenzene

Concen: 2.797 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057290.D

Acq: 14 Aug 2019 16:39

Tgt Ion:	180	Resp:	10903
Ion Ratio	Lower	Upper	
180	100		
182	96.3	47.9	143.6
145	28.0	15.1	45.3

