

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022019\
 Data File : VN053871.D
 Acq On : 20 Feb 2019 8:58
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 2/21/2019 10:51:50 AM

Quant Time: Feb 21 03:21:29 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022019W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 21 03:05:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	669571	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1051391	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	840050	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	373079	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	36487	5.33	ug/l	0.00
Spiked Amount			Recovery	=	10.66%	
35) Dibromofluoromethane	7.59	113	35556	5.15	ug/l	0.00
Spiked Amount			Recovery	=	10.30%	
50) Toluene-d8	10.09	98	113385	4.55	ug/l	0.00
Spiked Amount			Recovery	=	9.10%	
62) 4-Bromofluorobenzene	12.40	95	35221	4.28	ug/l	0.00
Spiked Amount			Recovery	=	8.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	30803	5.295	ug/l	99
3) Chloromethane	2.06	50	38007	5.255	ug/l	98
4) Vinyl Chloride	2.19	62	44263	5.702	ug/l	98
5) Bromomethane	2.57	94	31828	5.598	ug/l	100
6) Chloroethane	2.71	64	27035	5.388	ug/l	92
7) Trichlorofluoromethane	3.02	101	59594	5.406	ug/l	99
8) Diethyl Ether	3.41	74	20871	5.386	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	37399	5.629	ug/l	97
10) Methyl Iodide	3.96	142	49403	5.014	ug/l	100
11) Tert butyl alcohol	4.79	59	10334	24.191	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	33207	5.344	ug/l	97
13) Acrolein	3.61	56	9024	29.556	ug/l	99
14) Allyl chloride	4.33	41	51497	5.476	ug/l	96
15) Acrylonitrile	4.99	53	57716	26.820	ug/l	99
16) Acetone	3.82	43	53926	28.654	ug/l	95
17) Carbon Disulfide	4.06	76	104175	5.413	ug/l	99
18) Methyl Acetate	4.33	43	24586	5.713	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	81587	5.175	ug/l	100
20) Methylene Chloride	4.55	84	40212	5.707	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	35662	5.468	ug/l	97
22) Diisopropyl ether	5.95	45	89984	5.133	ug/l	95
23) Vinyl Acetate	5.90	43	308300	24.782	ug/l	99
24) 1,1-Dichloroethane	5.85	63	65095	5.485	ug/l	97
25) 2-Butanone	6.84	43	65000	26.766	ug/l	99
26) 2,2-Dichloropropane	6.82	77	47727	5.299	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	39016	5.341	ug/l	97
28) Bromochloromethane	7.20	49	28052	5.415	ug/l	100
29) Tetrahydrofuran	7.21	42	40336	25.683	ug/l	98
30) Chloroform	7.37	83	67190	5.634	ug/l	99
31) Cyclohexane	7.65	56	62965	5.087	ug/l #	83
32) 1,1,1-Trichloroethane	7.57	97	55130	5.403	ug/l	98
36) 1,1-Dichloropropene	7.79	75	50651	5.256	ug/l	94
37) Ethyl Acetate	6.93	43	26727	5.025	ug/l #	79
38) Carbon Tetrachloride	7.77	117	51019	4.953	ug/l	96

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

39) Methylcyclohexane	9.08	83	53230	4.793	ug/l	96
40) Benzene	8.04	78	148227	5.203	ug/l	99
41) Methacrylonitrile	7.18	41	15201m	4.477	ug/l	
42) 1,2-Dichloroethane	8.12	62	45395	5.345	ug/l	97
43) Isopropyl Acetate	8.17	43	52372	5.095	ug/l	95
44) Trichloroethene	8.83	130	41770	5.237	ug/l	96
45) 1,2-Dichloropropane	9.12	63	37485	5.154	ug/l	94
46) Dibromomethane	9.21	93	22613	5.163	ug/l	99
47) Bromodichloromethane	9.40	83	46076	4.987	ug/l	98
48) Methyl methacrylate	9.20	41	19527	4.131	ug/l	94
49) 1,4-Dioxane	9.20	88	6674	102.386	ug/l #	94
51) 4-Methyl-2-Pentanone	9.99	43	104300	21.827	ug/l	98
52) Toluene	10.16	92	81979	4.856	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	40339	4.496	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	49128	4.646	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	30757	4.983	ug/l	97
56) Ethyl methacrylate	10.43	69	29470	4.241	ug/l	94
57) 1,3-Dichloropropane	10.71	76	50161	4.827	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	65046	21.368	ug/l	99
59) 2-Hexanone	10.75	43	71837	22.274	ug/l	97
60) Dibromochloromethane	10.90	129	33764	4.687	ug/l	98
61) 1,2-Dibromoethane	11.00	107	28621	4.668	ug/l	99
64) Tetrachloroethene	10.63	164	40453	5.385	ug/l	99
65) Chlorobenzene	11.43	112	90969	5.174	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	34428	5.366	ug/l	99
67) Ethyl Benzene	11.51	91	146202	5.138	ug/l	99
68) m/p-Xylenes	11.62	106	111662	10.134	ug/l	99
69) o-Xylene	11.95	106	54286	5.118	ug/l	99
70) Styrene	11.96	104	81989	4.926	ug/l	98
71) Bromoform	12.13	173	22911	5.032	ug/l #	100
73) Isopropylbenzene	12.25	105	144552	5.500	ug/l	100
74) N-amyl acetate	12.07	43	28835	4.777	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	33644	5.414	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	29220m	5.996	ug/l	
77) Bromobenzene	12.53	156	37483	5.316	ug/l	98
78) n-propylbenzene	12.59	91	154008	5.240	ug/l	99
79) 2-Chlorotoluene	12.67	91	94935	5.357	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	119754	5.489	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	7938	4.785	ug/l	91
82) 4-Chlorotoluene	12.77	91	93821	5.314	ug/l	97
83) tert-Butylbenzene	12.99	119	109700	5.600	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	117008	5.347	ug/l	100
85) sec-Butylbenzene	13.17	105	145706	5.524	ug/l	99
86) p-Isopropyltoluene	13.29	119	120629	5.270	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	64059	5.207	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	63067	5.095	ug/l	95
89) n-Butylbenzene	13.61	91	94051	4.996	ug/l	99
90) Hexachloroethane	13.87	117	24103	5.512	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	63211	5.237	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4930	5.437	ug/l	94

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MSVOA_N
ClientSampleId :
VSTDICC005

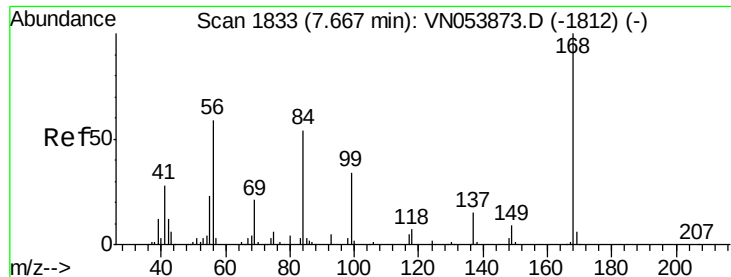
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	24745	3.995	ug/l	97
94) Hexachlorobutadiene	15.01	225	28830	5.727	ug/l	95
95) Naphthalene	15.13	128	38223	3.304	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	24937	4.149	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 669571

Ion Ratio Lower Upper

168 100

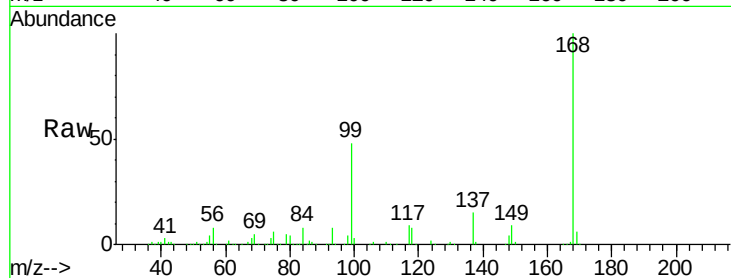
99 46.8 36.9 55.3

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

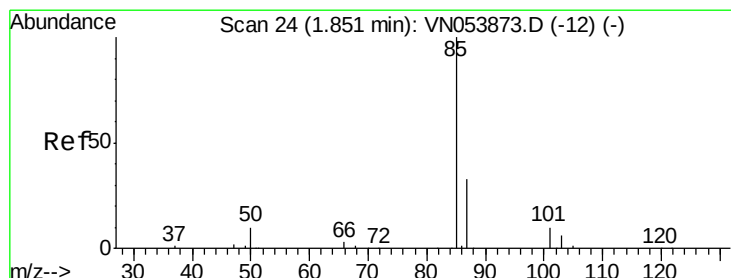
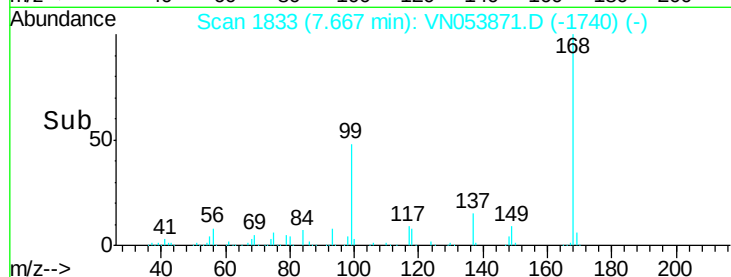
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 5.295 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN053871.D

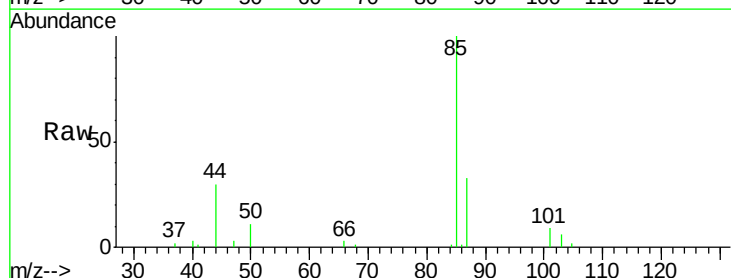
Acq: 20 Feb 2019 8:58

Tgt Ion: 85 Resp: 30803

Ion Ratio Lower Upper

85 100

87 33.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

25000

20000

15000

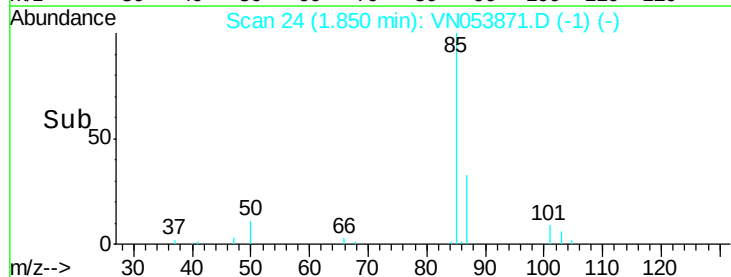
10000

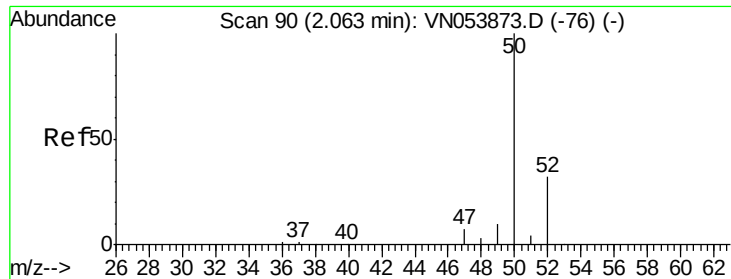
5000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 5.255 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 38007

Ion Ratio Lower Upper

50 100

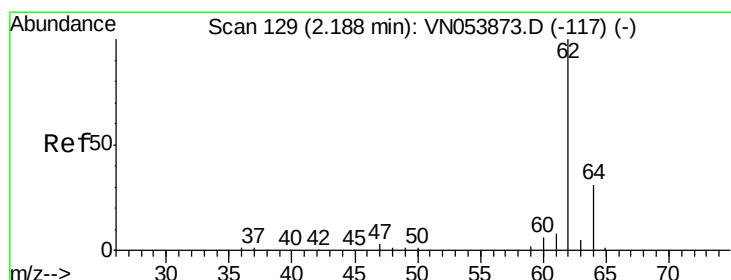
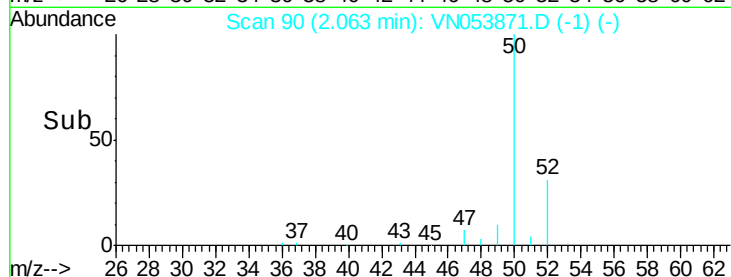
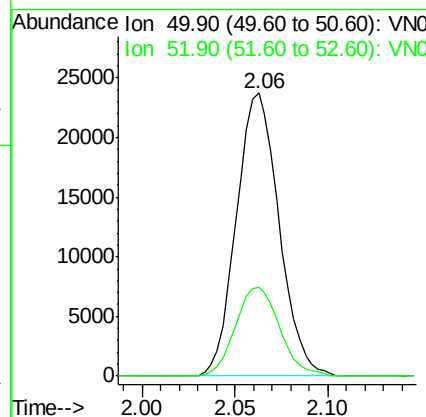
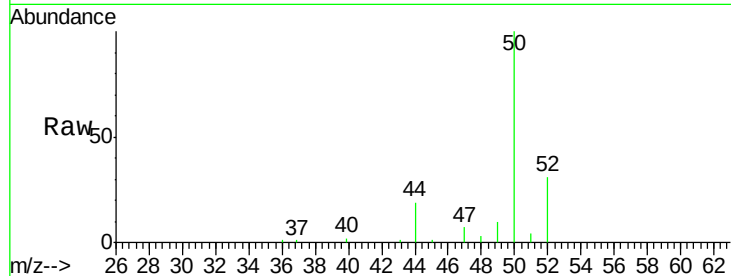
52 31.4 26.0 39.0

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#4

Vinyl Chloride

Concen: 5.702 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053871.D

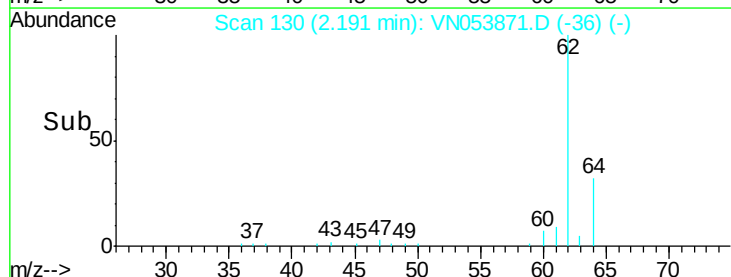
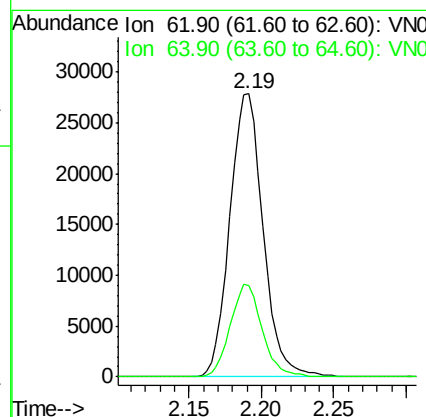
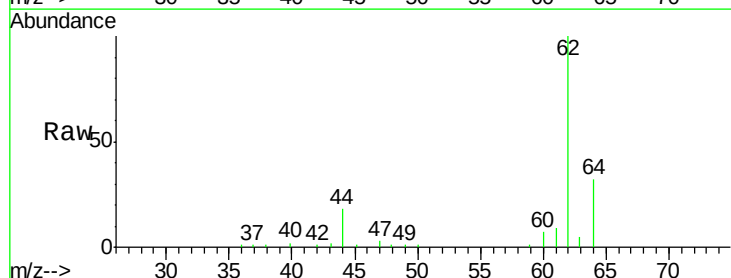
Acq: 20 Feb 2019 8:58

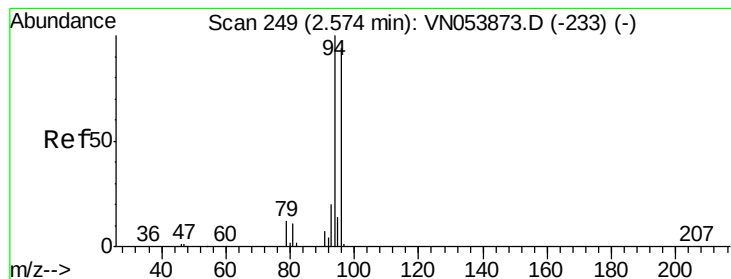
Tgt Ion: 62 Resp: 44263

Ion Ratio Lower Upper

62 100

64 32.3 25.1 37.7





#5

Bromomethane

Concen: 5.598 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 31828

Ion Ratio Lower Upper

94 100

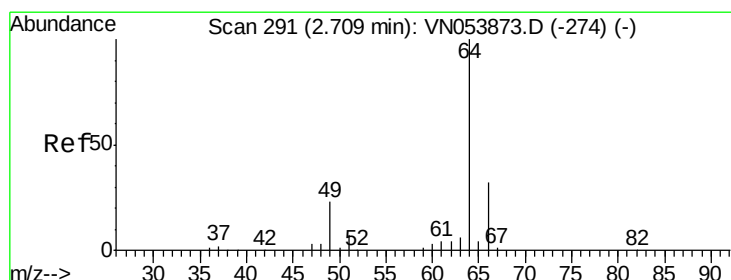
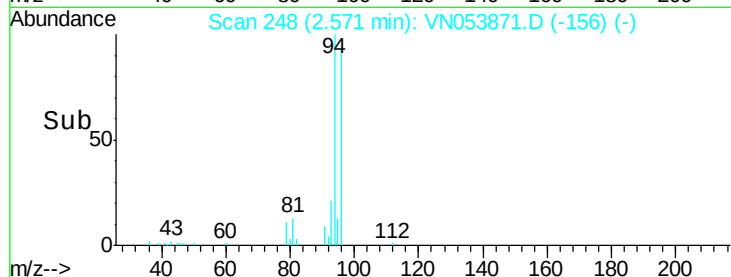
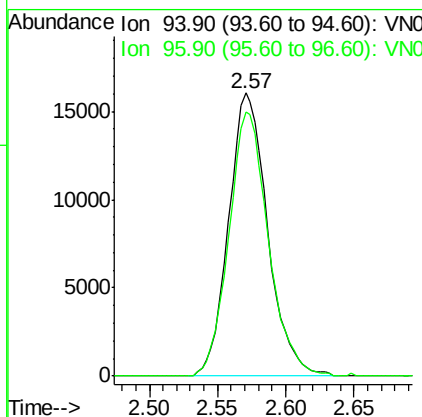
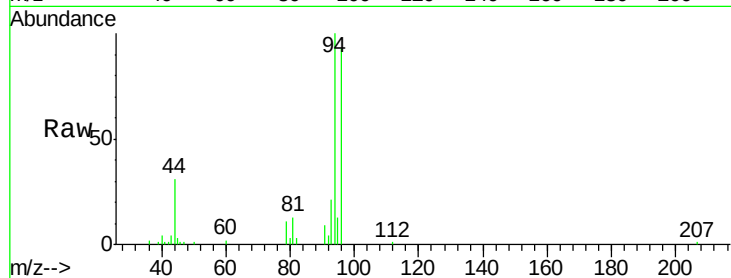
96 93.2 74.9 112.3

Manual Integrations

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#6

Chloroethane

Concen: 5.388 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053871.D

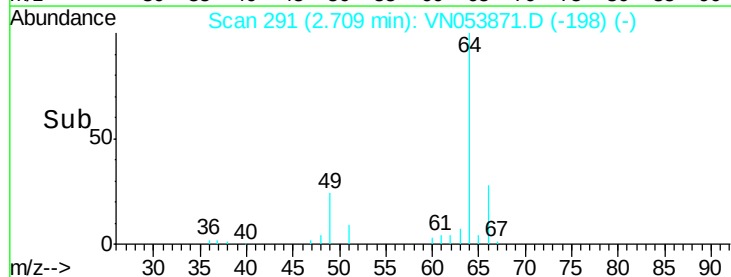
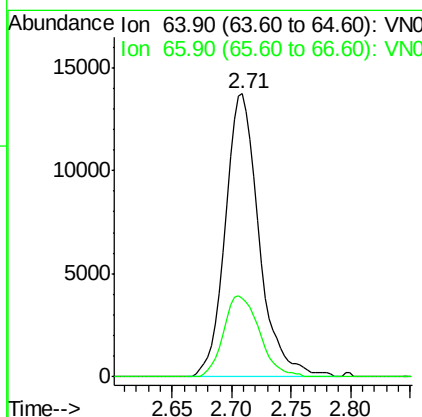
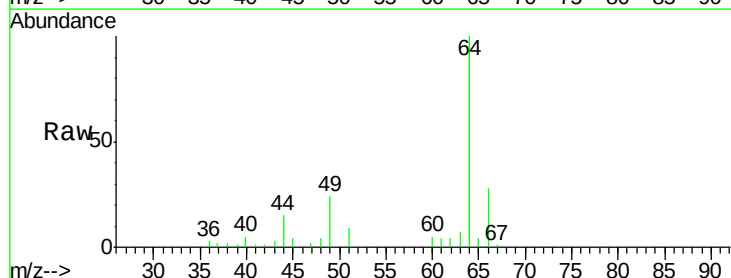
Acq: 20 Feb 2019 8:58

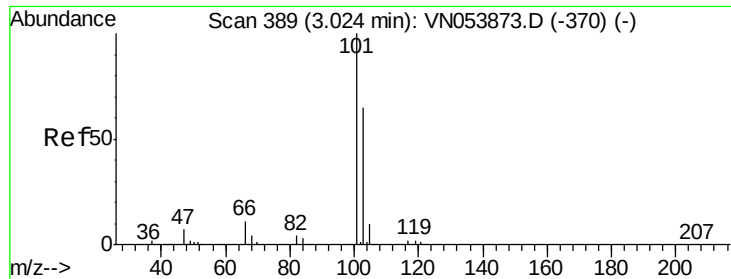
Tgt Ion: 64 Resp: 27035

Ion Ratio Lower Upper

64 100

66 27.6 25.5 38.3





#7

Trichlorofluoromethane

Concen: 5.406 ug/l

RT: 3.02 min Scan# 388

Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:101 Resp: 59594

Ion Ratio Lower Upper

101 100

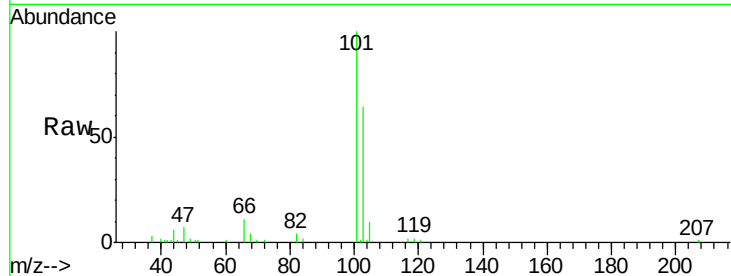
103 64.4 51.9 77.9

Manual Integrations

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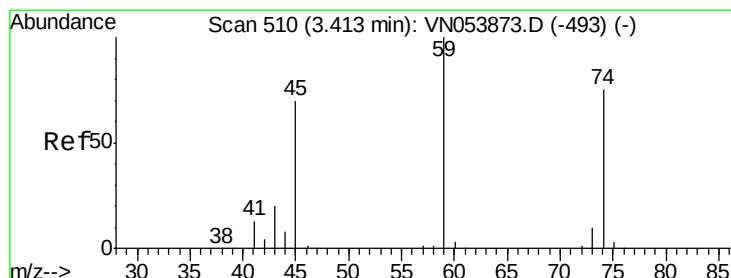
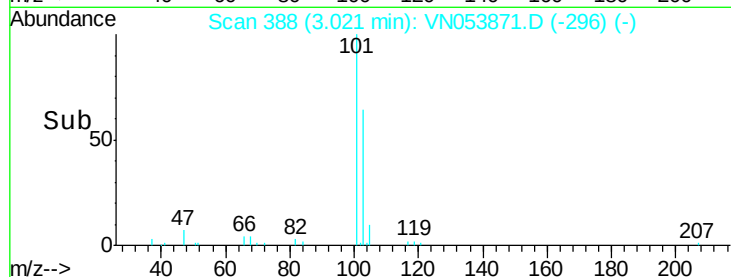
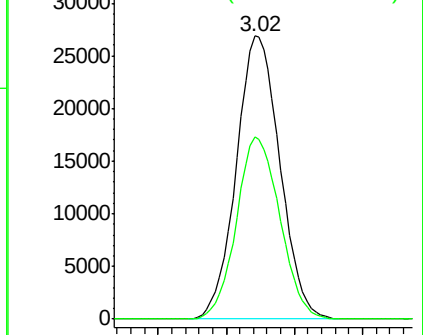
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 5.386 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN053871.D

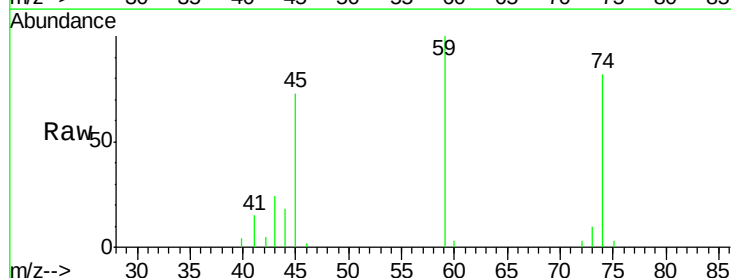
Acq: 20 Feb 2019 8:58

Tgt Ion: 74 Resp: 20871

Ion Ratio Lower Upper

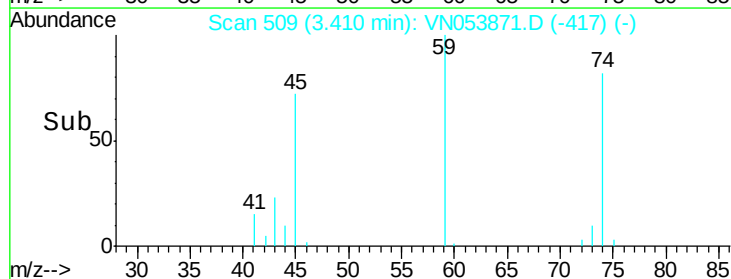
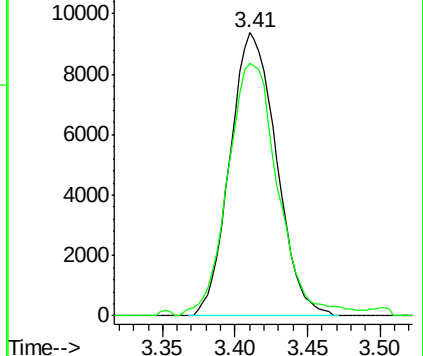
74 100

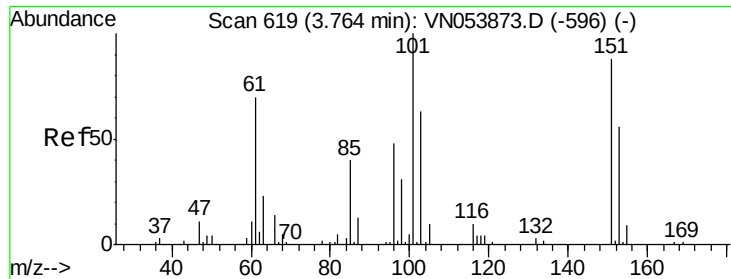
45 96.4 46.9 140.6



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.629 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN053871.D

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Instrument :

MSVOA_N

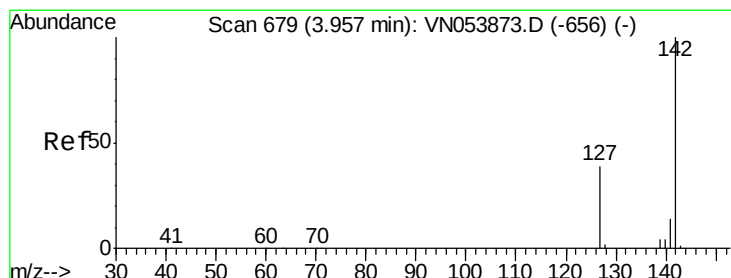
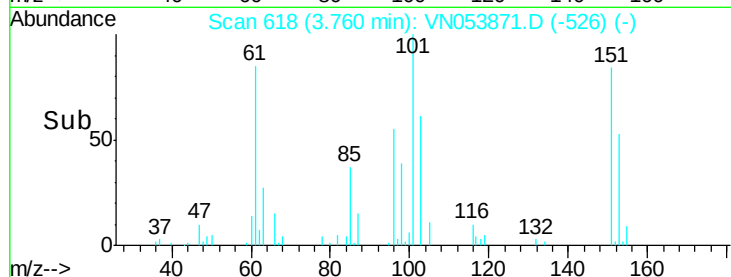
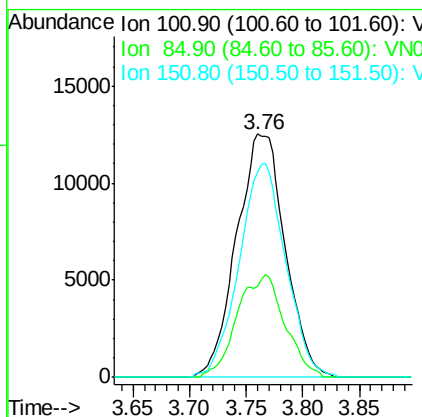
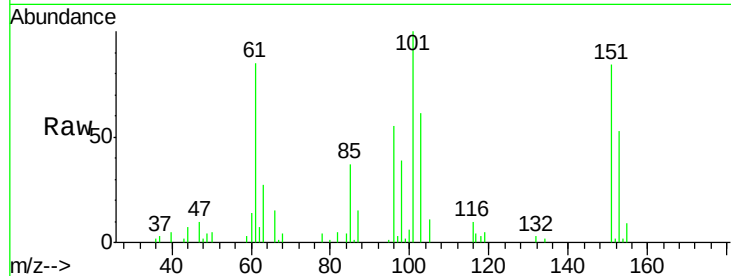
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	37399
Ion Ratio	Lower	Upper	
101	100		
85	41.4	32.5	48.7
151	84.5	70.2	105.2

Manual Integrations
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#10

Methyl Iodide

Concen: 5.014 ug/l

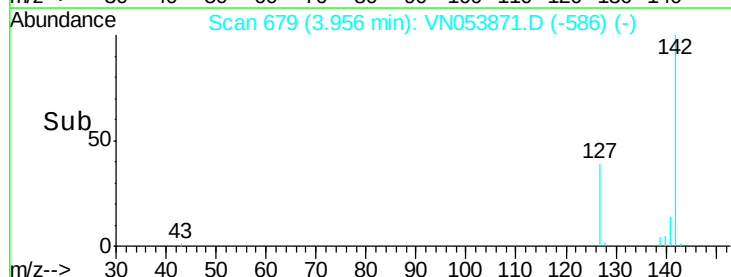
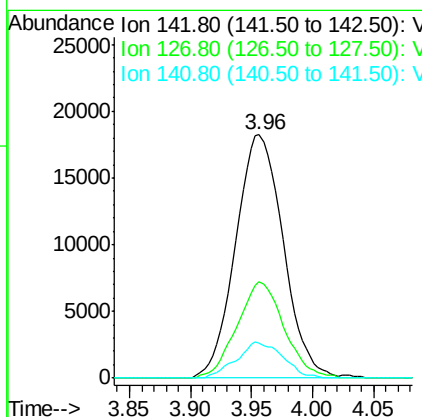
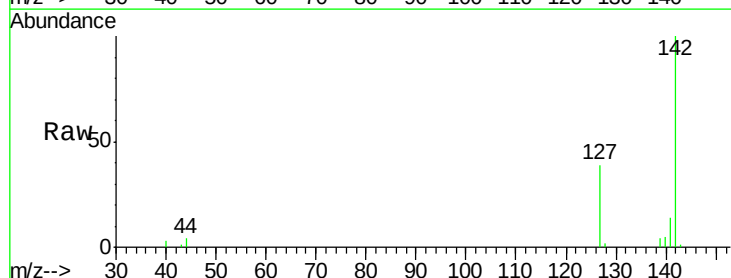
RT: 3.96 min Scan# 679

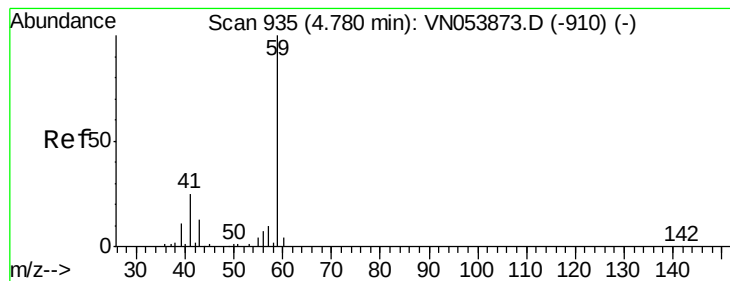
Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Tgt Ion:	142	Resp:	49403
Ion Ratio	Lower	Upper	
142	100		
127	38.8	31.0	46.4
141	14.5	11.3	16.9





#11

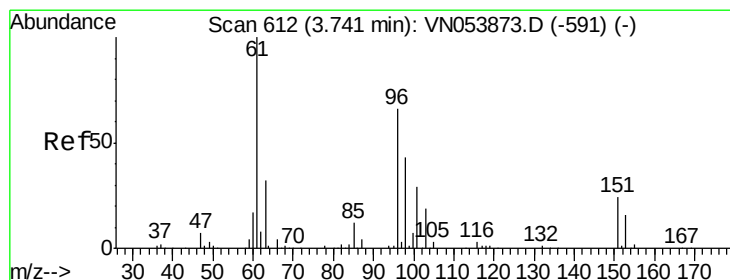
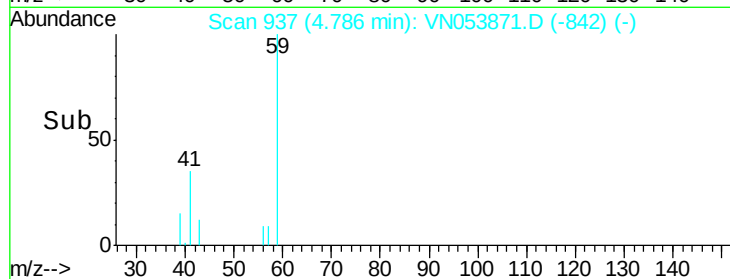
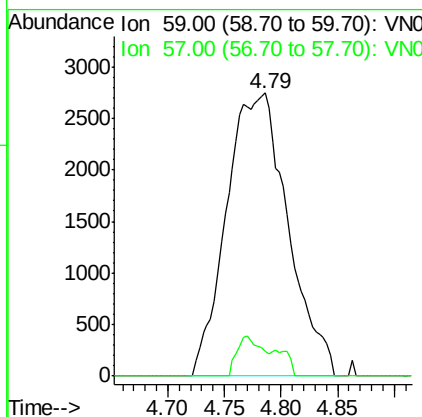
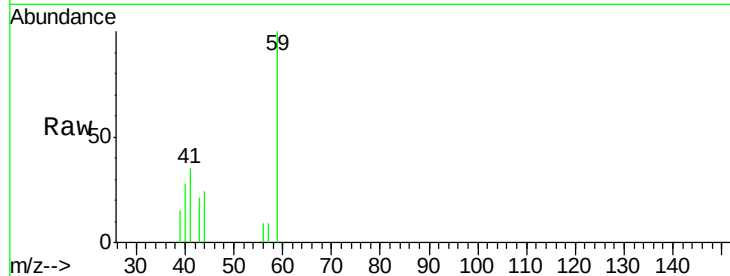
Tert butyl alcohol
 Concen: 24.191 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN053871.D
 Acq: 20 Feb 2019 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.8	8.1	12.1#

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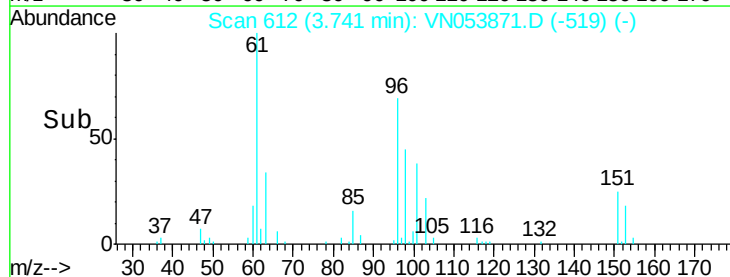
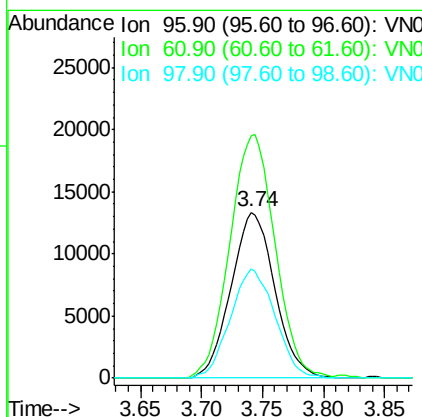
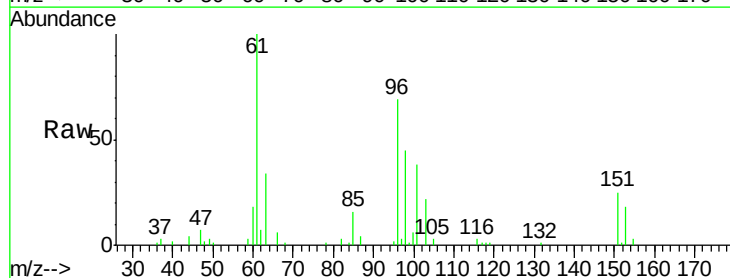
MMDadoda
 2/21/2019 10:51:50 AM

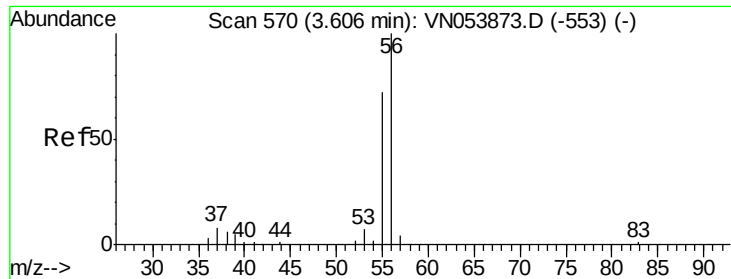


#12

1,1-Dichloroethene
 Concen: 5.344 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VN053871.D
 Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.7	121.0	181.4
98	65.5	52.2	78.2





#13

Acrolein

Concen: 29.556 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 9024

Ion Ratio Lower Upper

56 100

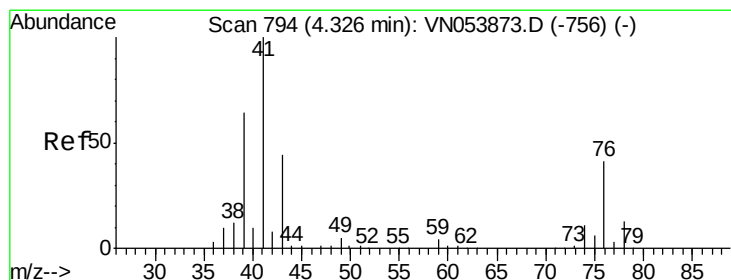
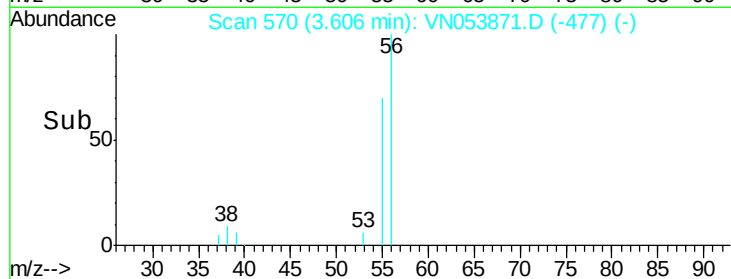
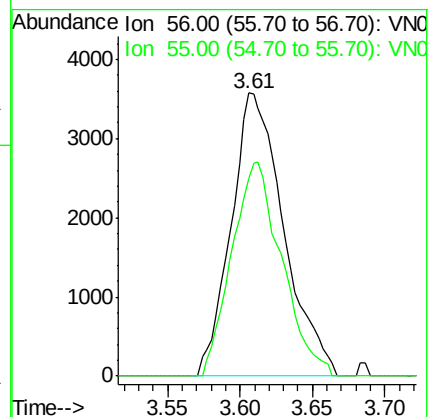
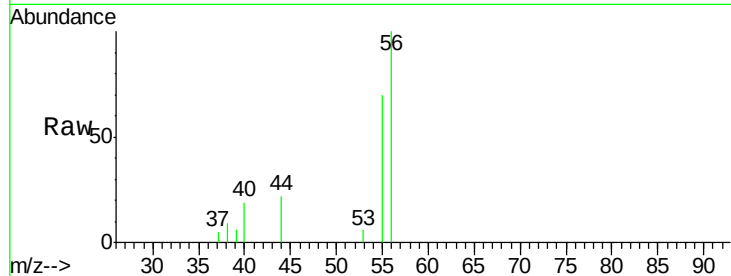
55 71.6 56.3 84.5

Manual Integrations

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#14

Allyl chloride

Concen: 5.476 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

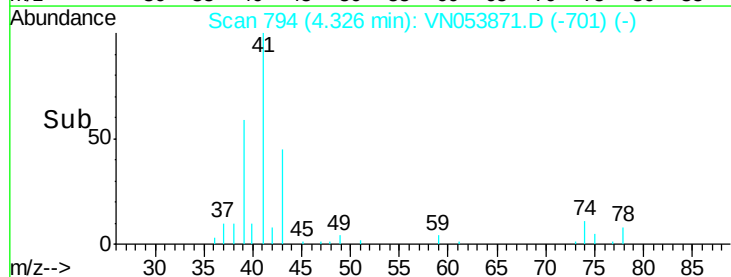
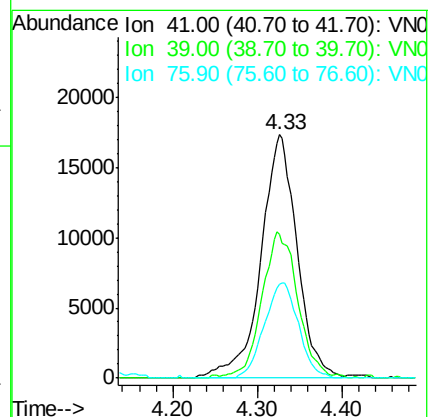
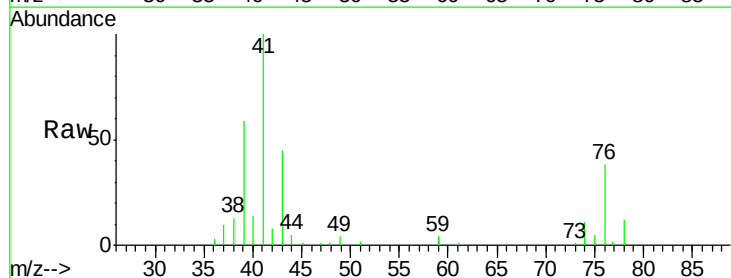
Tgt Ion: 41 Resp: 51497

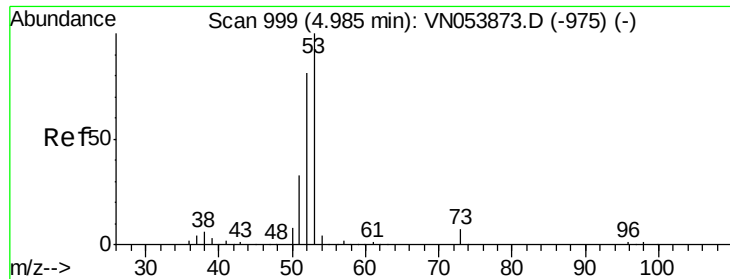
Ion Ratio Lower Upper

41 100

39 56.9 48.8 73.2

76 37.0 30.9 46.3





#15

Acrylonitrile

Concen: 26.820 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Instrument :

MSVOA_N

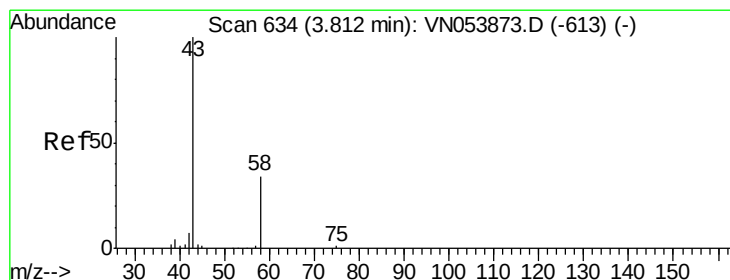
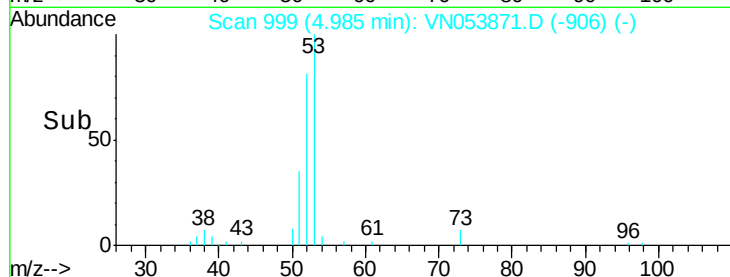
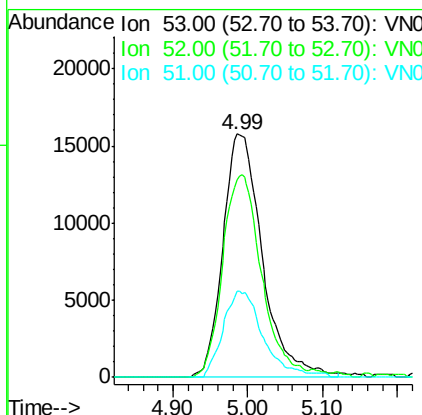
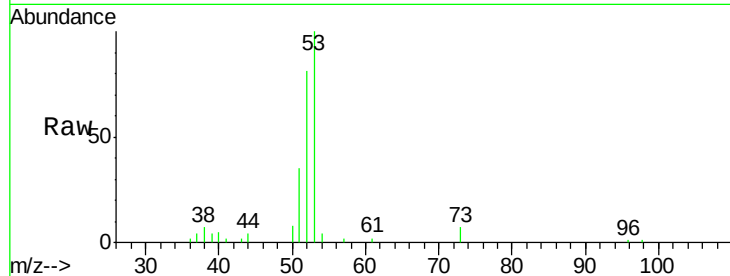
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	57716
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.1	97.7
51	35.8	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 28.654 ug/l

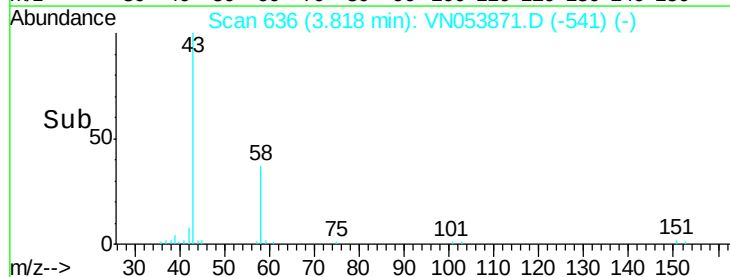
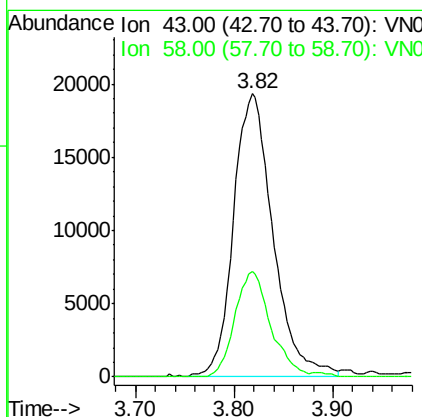
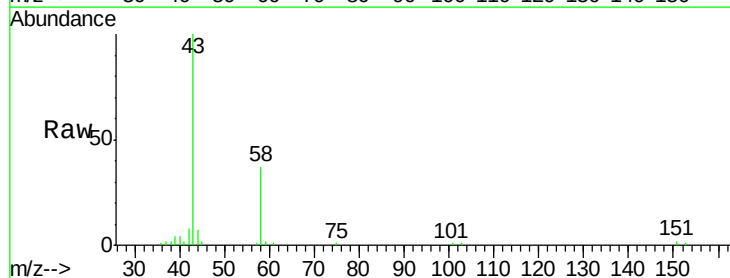
RT: 3.82 min Scan# 636

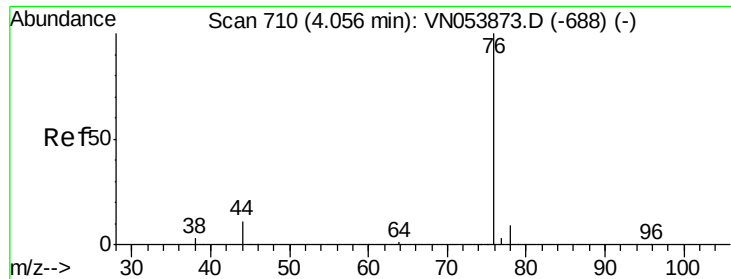
Delta R.T. 0.01 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Tgt Ion:	43	Resp:	53926
Ion	Ratio	Lower	Upper
43	100		
58	37.2	27.6	41.4





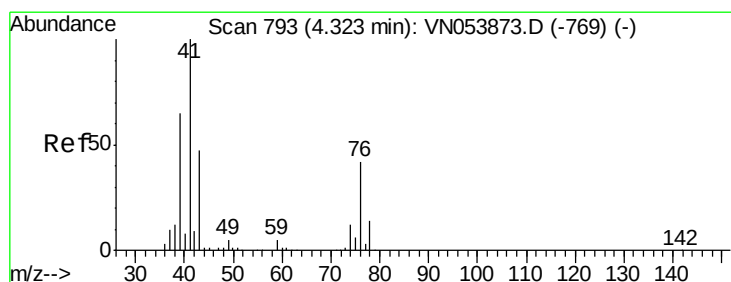
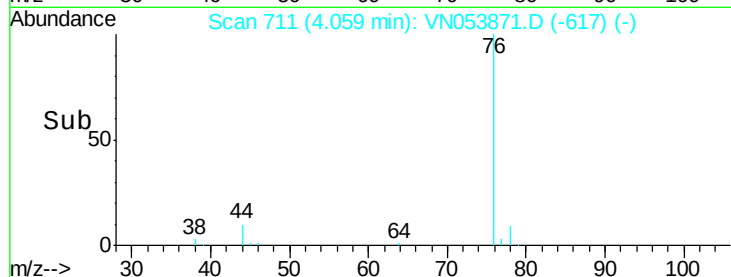
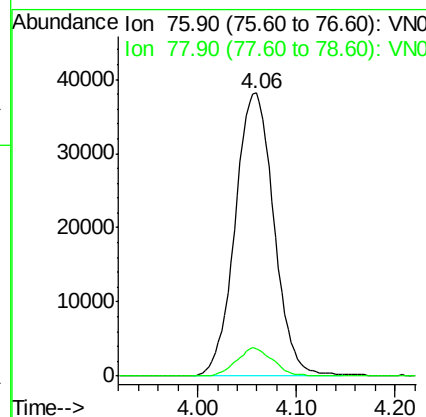
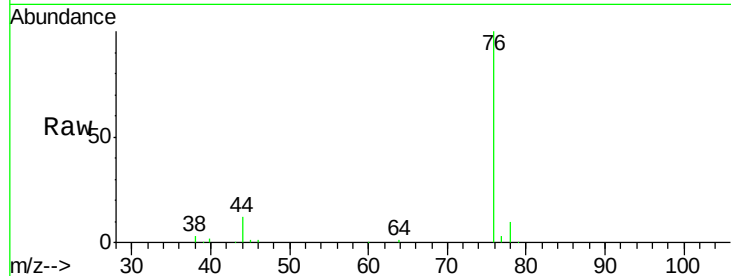
#17
Carbon Disulfide
Concen: 5.413 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
76	100	104175		
78	9.8		7.5	11.3

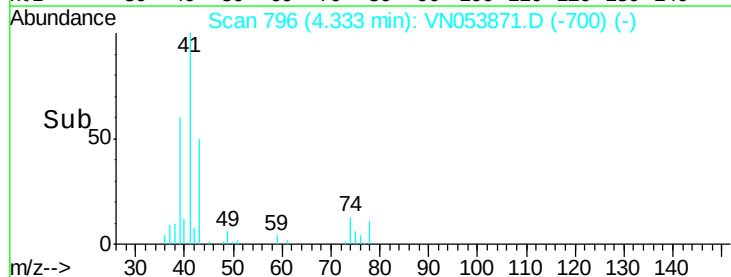
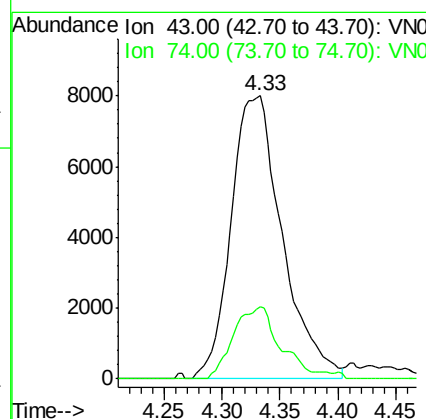
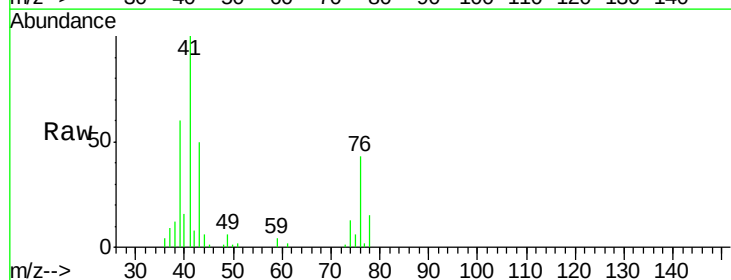
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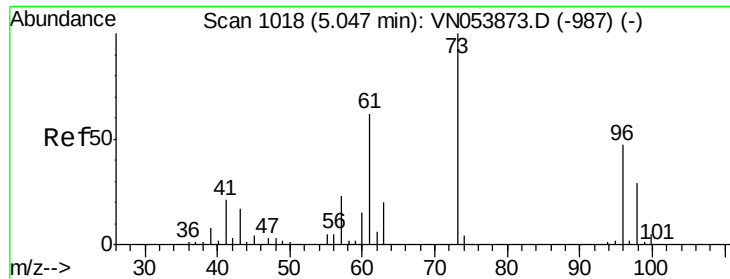
MMDadoda
2/21/2019 10:51:50 AM



#18
Methyl Acetate
Concen: 5.713 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	24586		
74	24.1		20.5	30.7





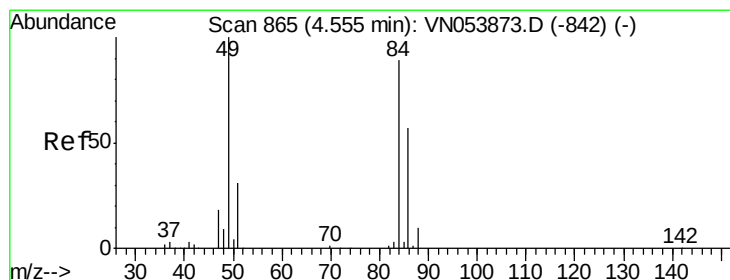
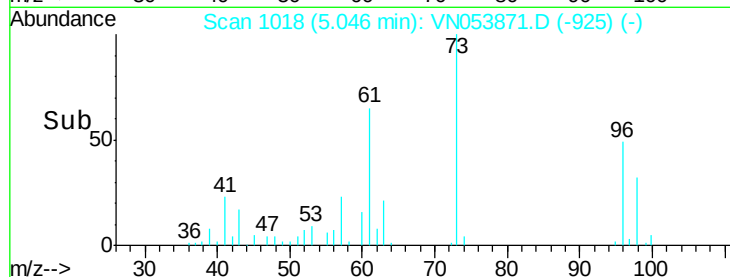
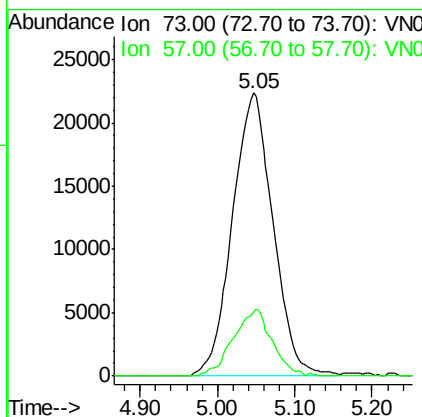
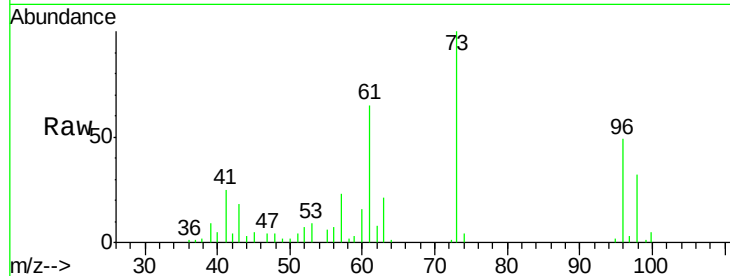
#19
Methyl tert-butyl Ether
Concen: 5.175 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	73	Resp	81587
Ion Ratio	100	Lower	Upper
57	22.6	18.0	27.0

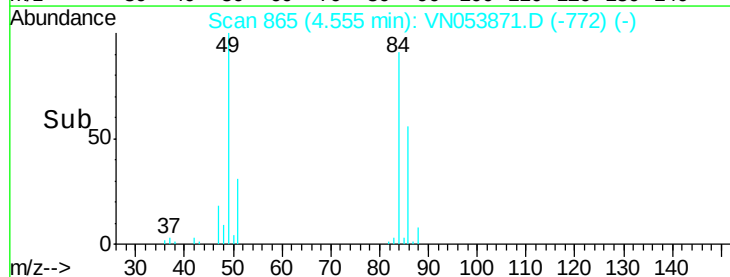
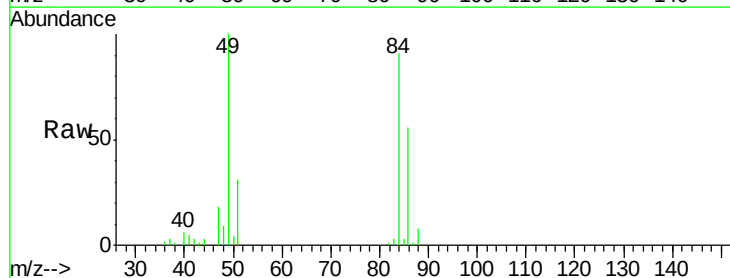
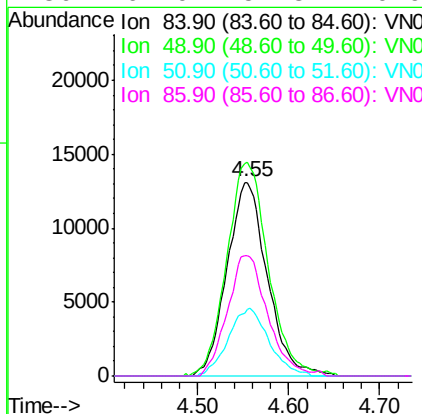
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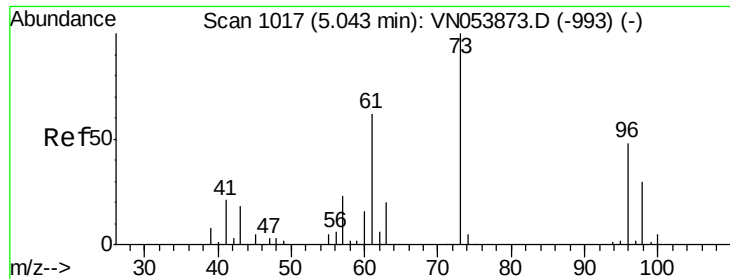
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#20
Methylene Chloride
Concen: 5.707 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion	84	Resp	40212
Ion Ratio	100	Lower	Upper
49	110.4	89.7	134.5
51	34.1	27.8	41.8
86	62.0	51.3	76.9





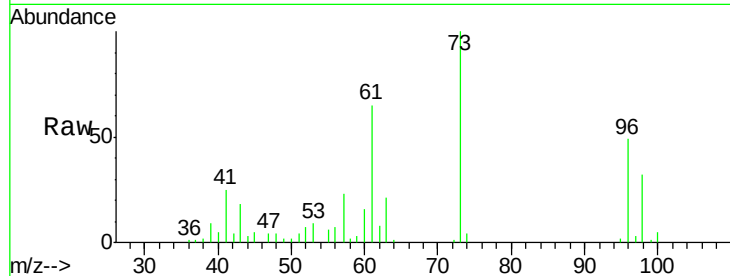
#21
trans-1,2-Dichloroethene
Concen: 5.468 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	104.5	156.7
98	66.3	50.6	76.0

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MMDadoda
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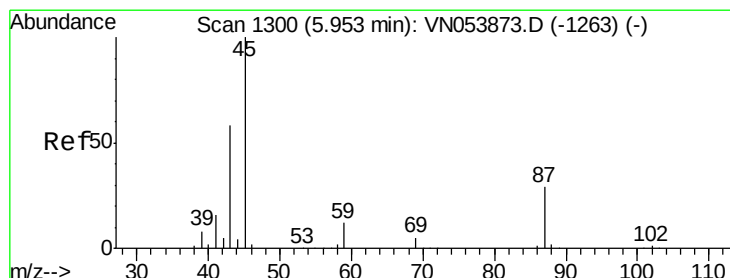
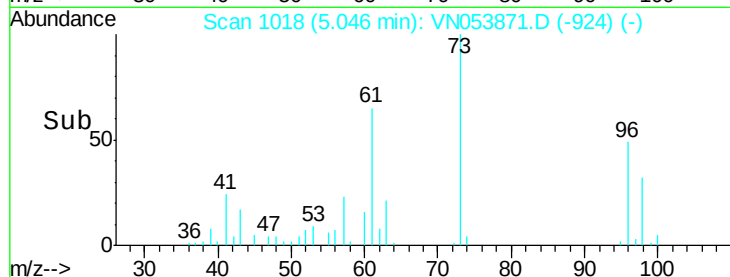
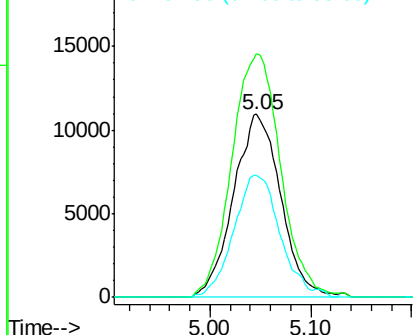


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22
Diisopropyl ether
Concen: 5.133 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Lower	Upper
45	100		
43	62.2	46.2	69.4
87	31.3	23.4	35.0
59	12.6	9.4	14.0

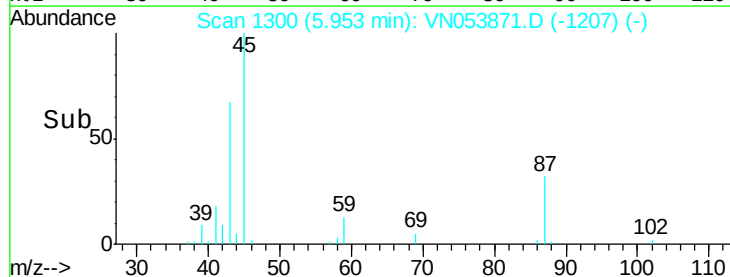
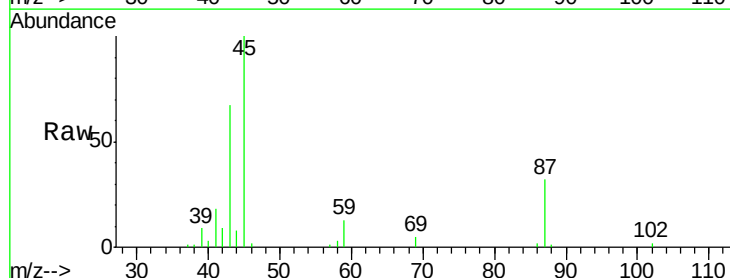
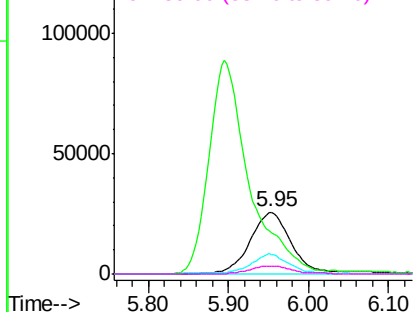
Abundance

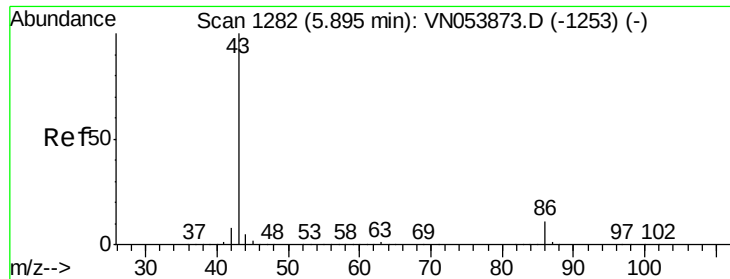
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





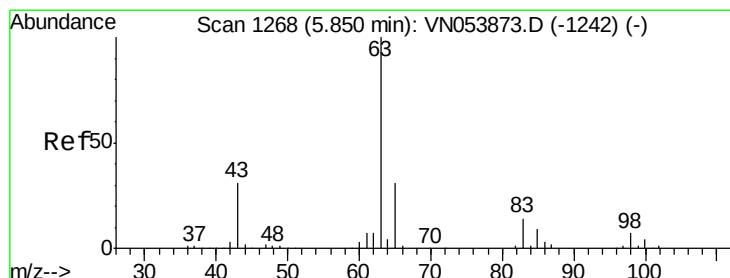
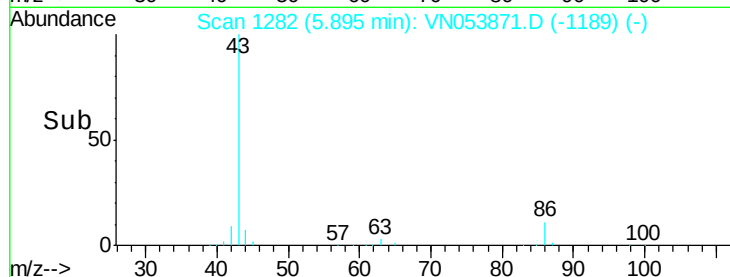
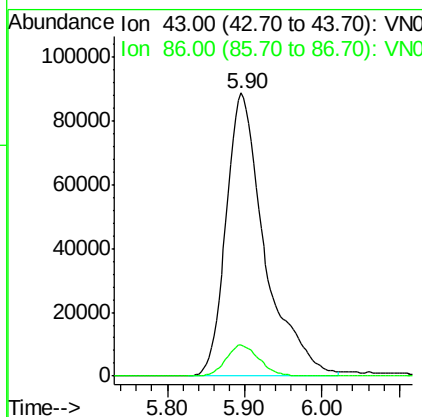
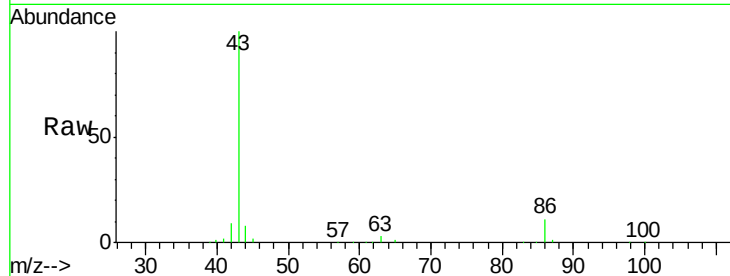
#23
 Vinyl Acetate
 Concen: 24.782 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN053871.D
 Acq: 20 Feb 2019 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	43	Resp	308300
Ion Ratio	100	Lower	Upper
43	100		
86	11.0	9.1	13.7

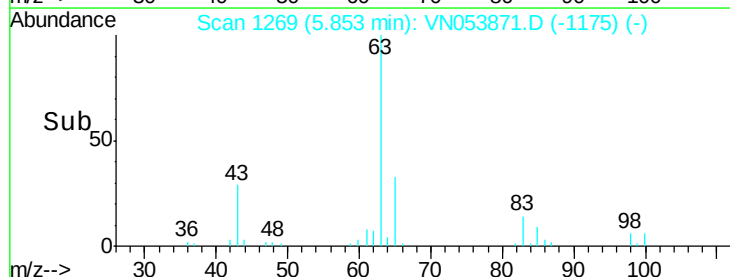
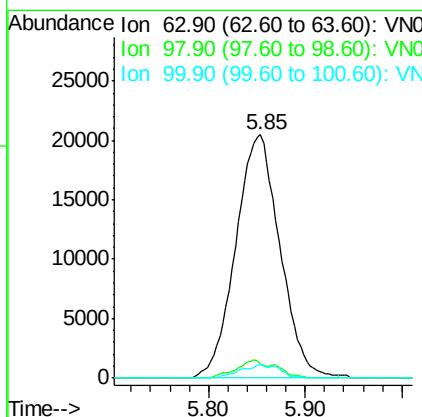
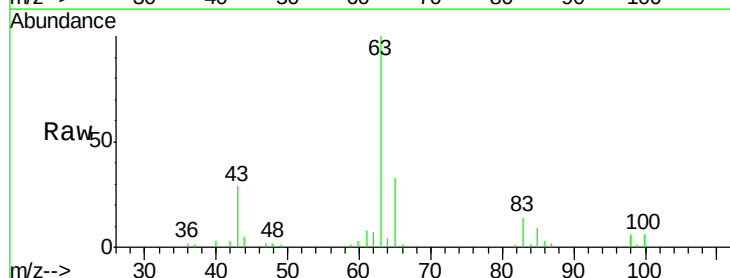
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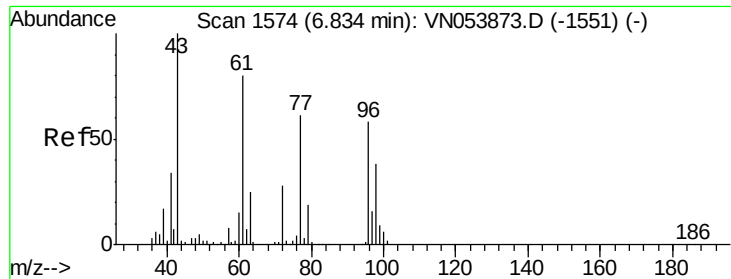
MMDadoda
 2/21/2019 10:51:50 AM



#24
 1,1-Dichloroethane
 Concen: 5.485 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053871.D
 Acq: 20 Feb 2019 8:58

Tgt Ion	63	Resp	65095
Ion Ratio	100	Lower	Upper
63	100		
98	5.8	3.4	10.2
100	5.5	2.2	6.6





#25

2-Butanone

Concen: 26.766 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 43 Resp: 65000

Ion Ratio Lower Upper

43 100

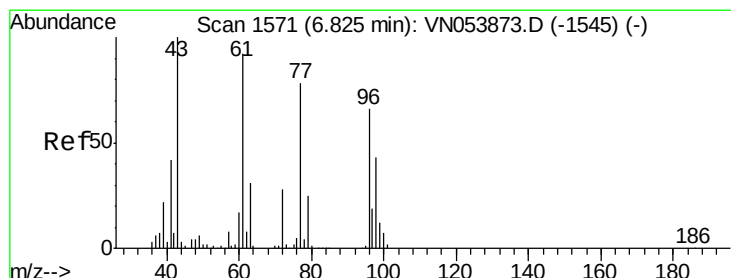
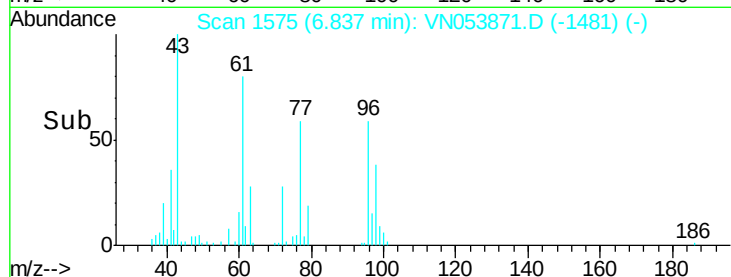
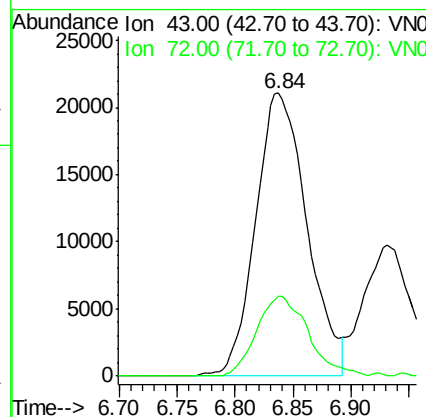
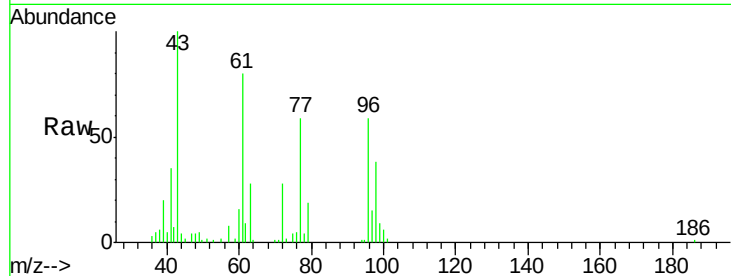
72 28.2 22.1 33.1

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 5.299 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053871.D

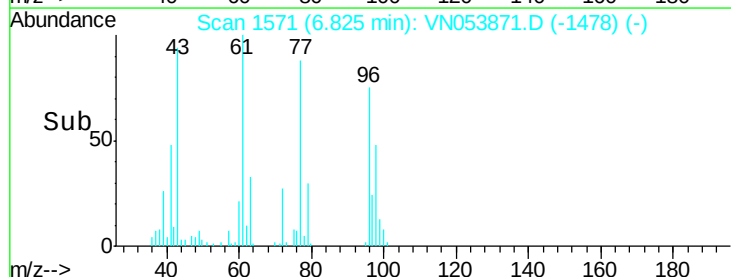
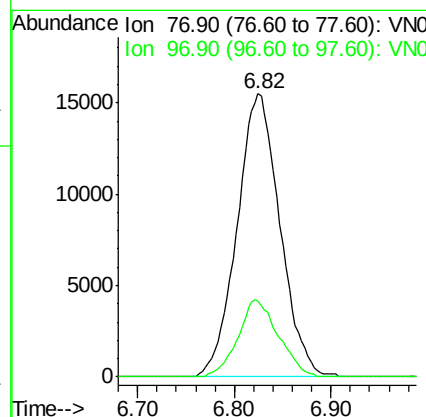
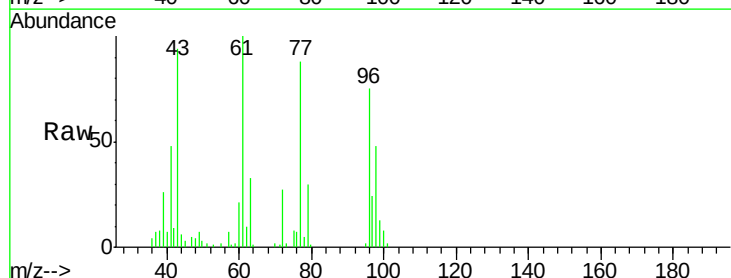
Acq: 20 Feb 2019 8:58

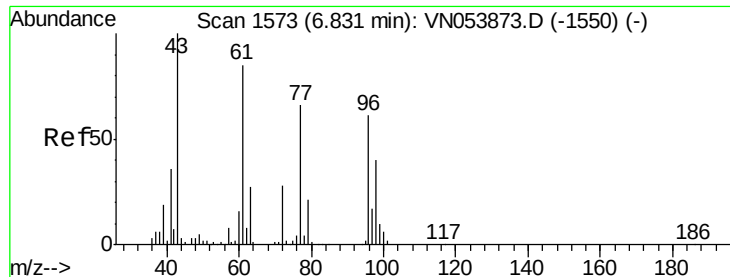
Tgt Ion: 77 Resp: 47727

Ion Ratio Lower Upper

77 100

97 25.7 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 5.341 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Instrument :

MSVOA_N

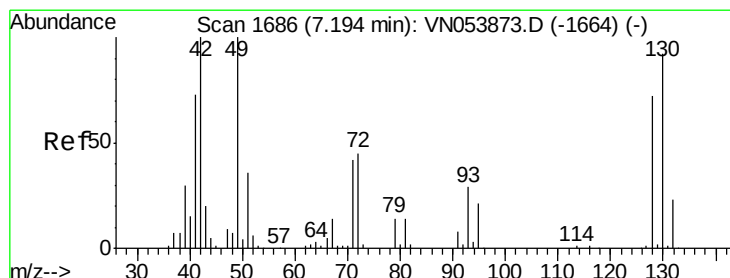
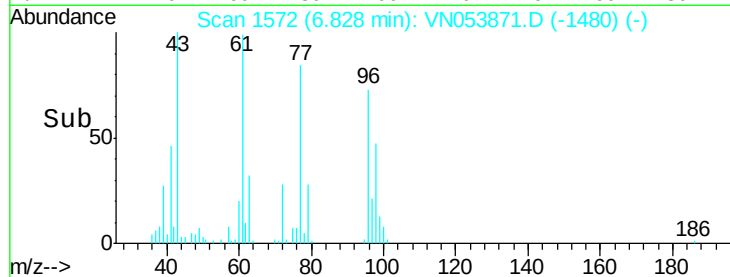
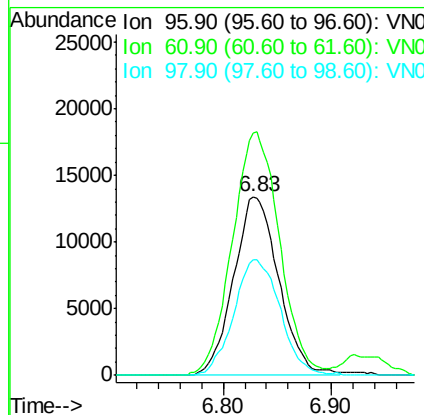
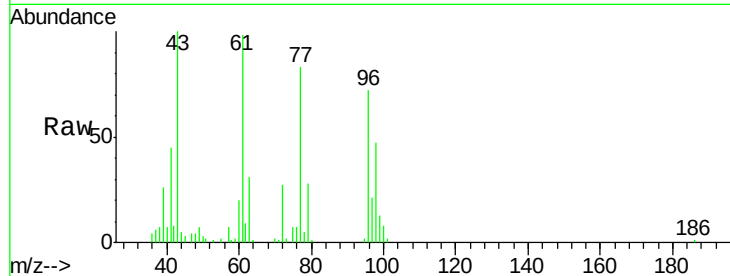
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	39016
Ion	Ratio	Lower	Upper
96	100		
61	142.3	0.0	275.6
98	66.4	0.0	130.0

Manual Integrations
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2/21/2019 10:51:50 AM



#28

Bromochloromethane

Concen: 5.415 ug/l

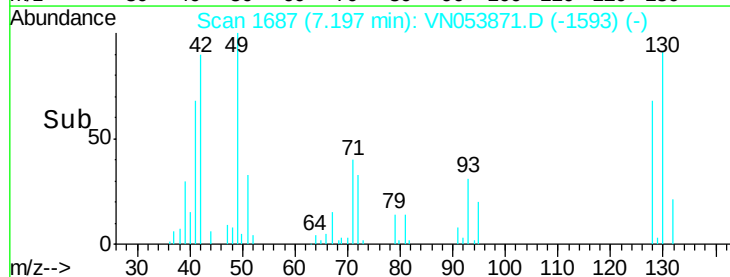
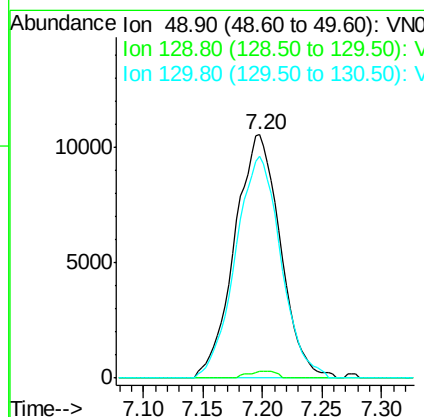
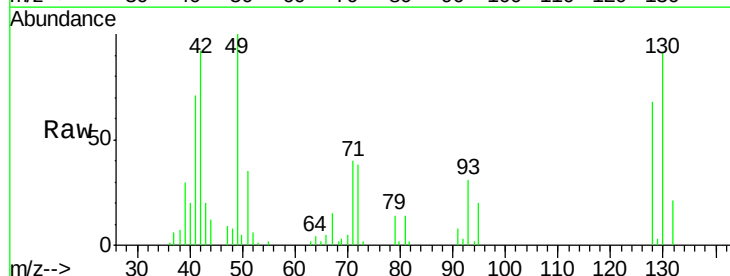
RT: 7.20 min Scan# 1687

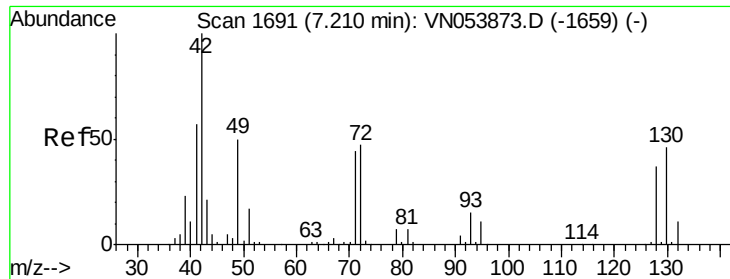
Delta R.T. 0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Tgt Ion:	49	Resp:	28052
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.6
130	90.8	72.9	109.3





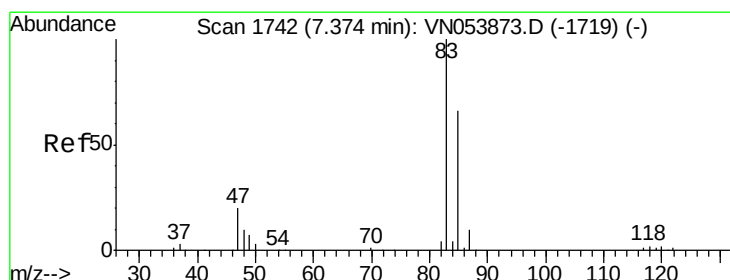
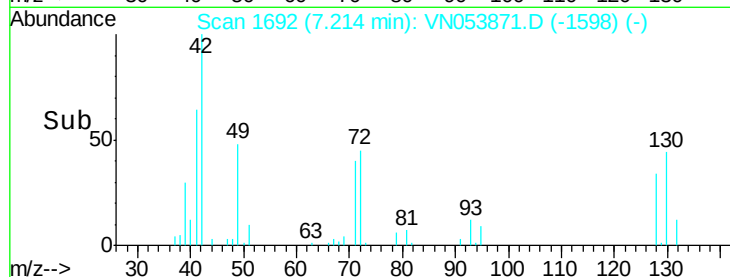
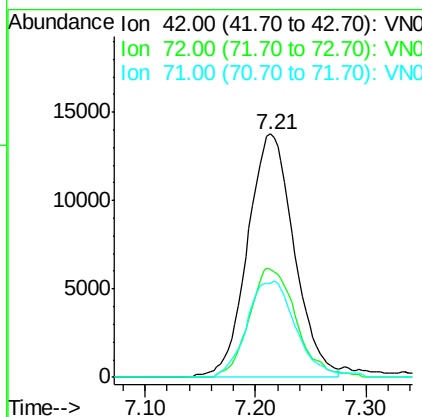
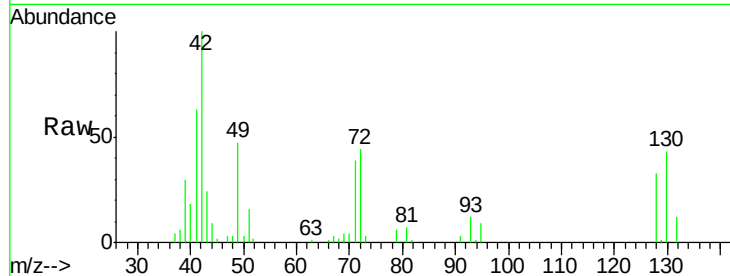
#29
Tetrahydrofuran
Concen: 25.683 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	36.9	55.3
71	41.3	34.6	52.0

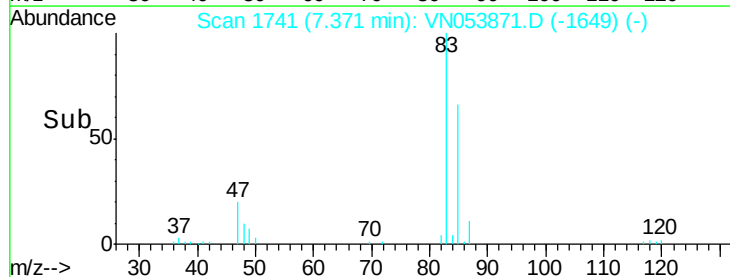
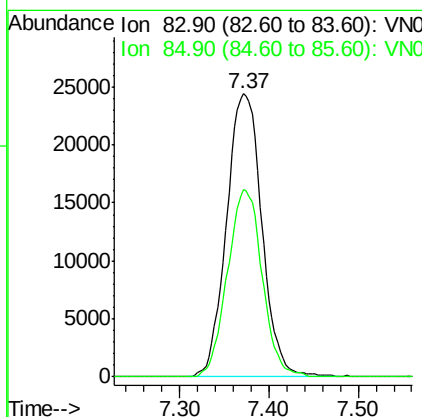
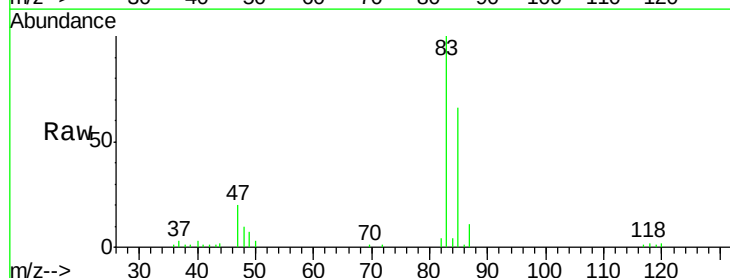
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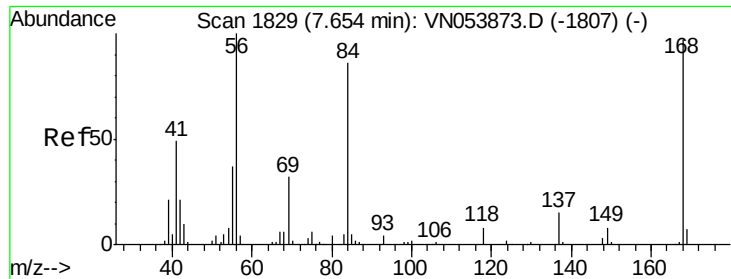
MMDadoda
2/21/2019 10:51:50 AM



#30
Chloroform
Concen: 5.634 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.4	52.6	78.8





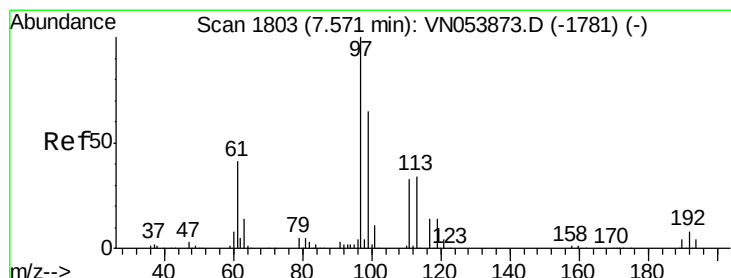
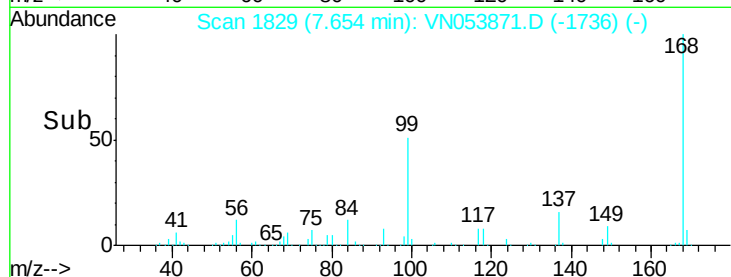
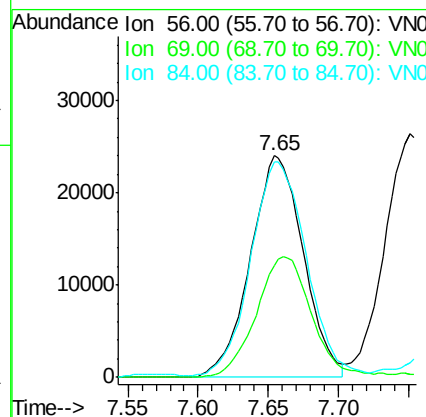
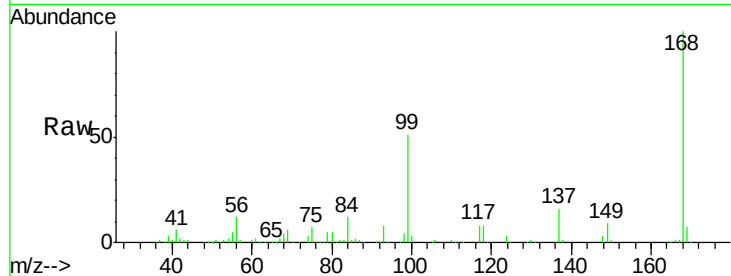
#31
Cyclohexane
Concen: 5.087 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	50.6	26.0	39.0#
84	96.5	69.1	103.7

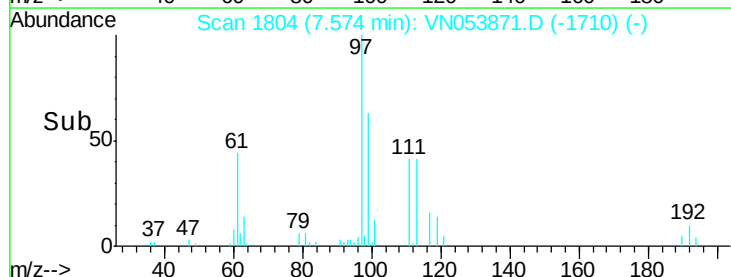
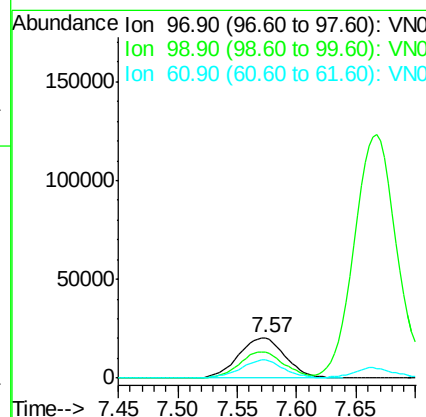
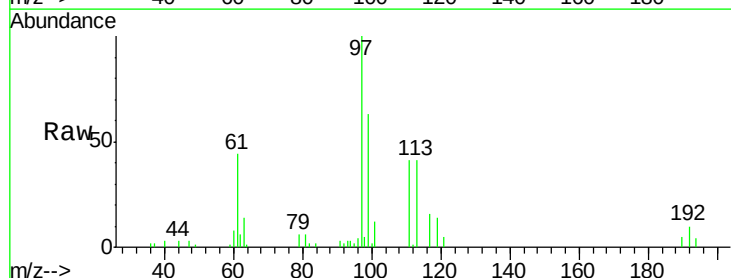
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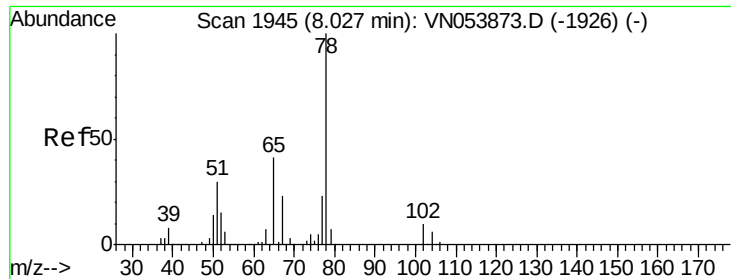
MMDadoda
2/21/2019 10:51:50 AM



#32
1,1,1-Trichloroethane
Concen: 5.403 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.9	51.8	77.8
61	42.6	33.2	49.8





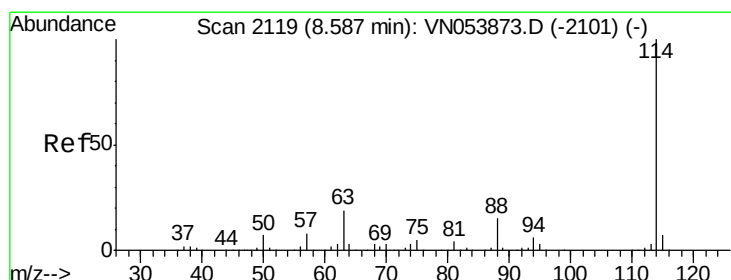
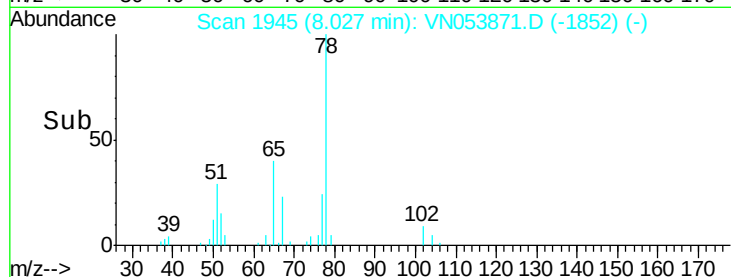
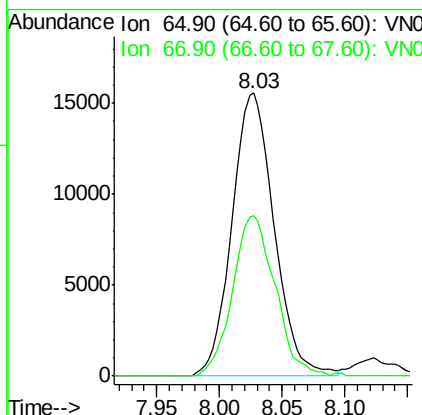
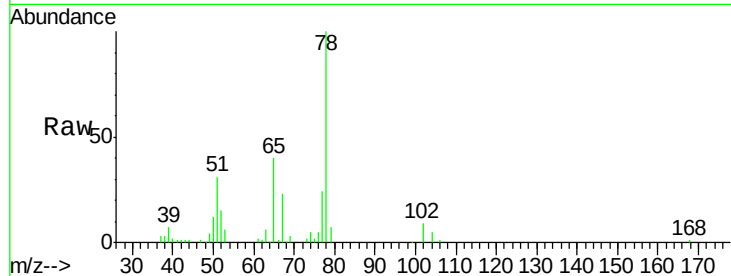
#33
 1,2-Dichloroethane-d4
 Concen: 5.332 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN053871.D
 Acq: 20 Feb 2019 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
65	100		
67	56.8	0.0	111.8

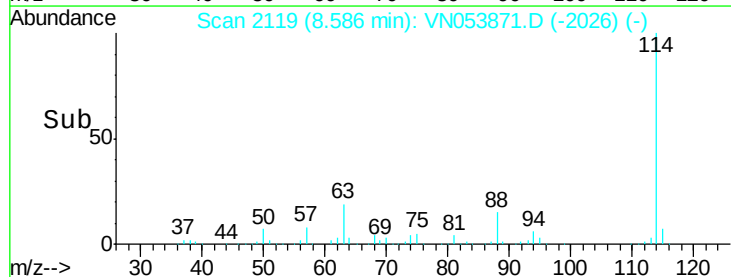
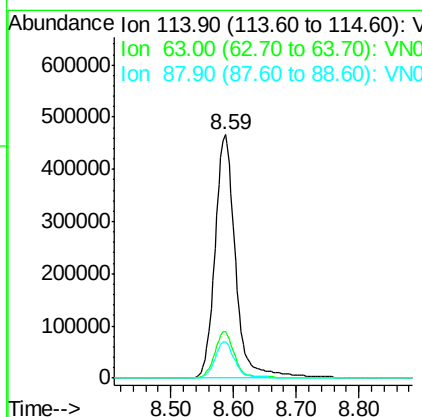
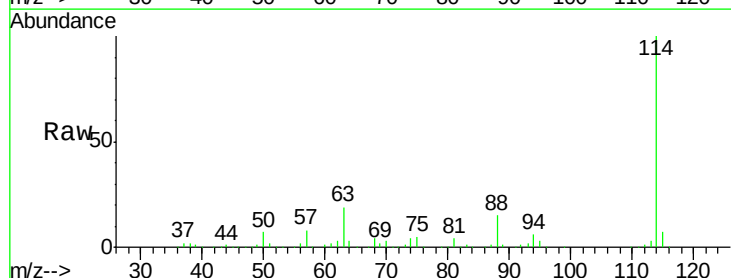
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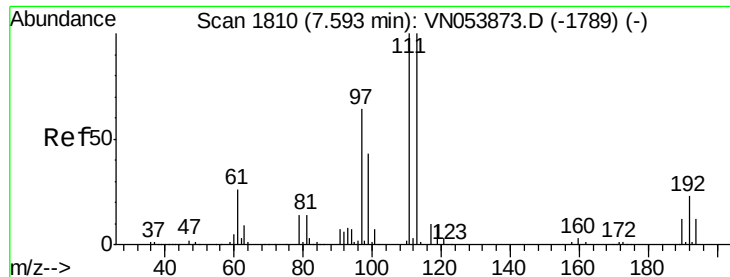
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN053871.D
 Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	37.4
88	15.0	0.0	30.4





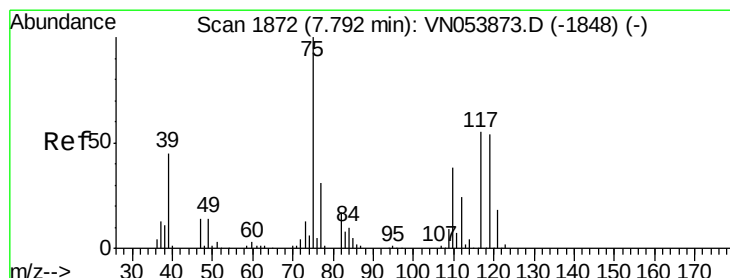
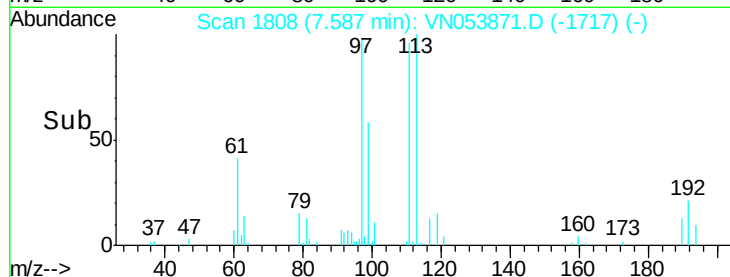
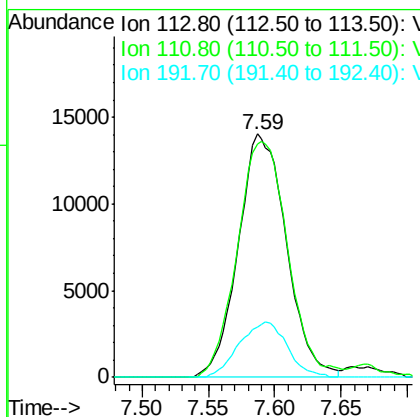
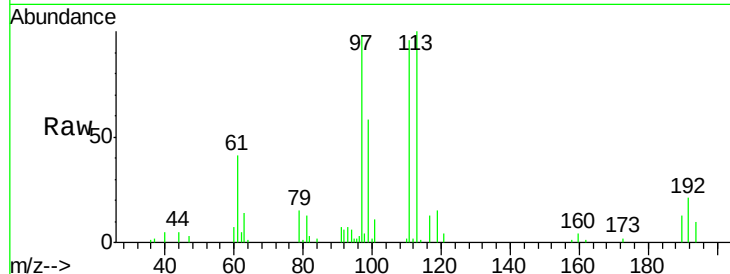
#35
 Dibromofluoromethane
 Concen: 5.153 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. -0.01 min
 Lab File: VN053871.D
 Acq: 20 Feb 2019 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.7	81.1	121.7	
192	22.7	18.8	28.2	

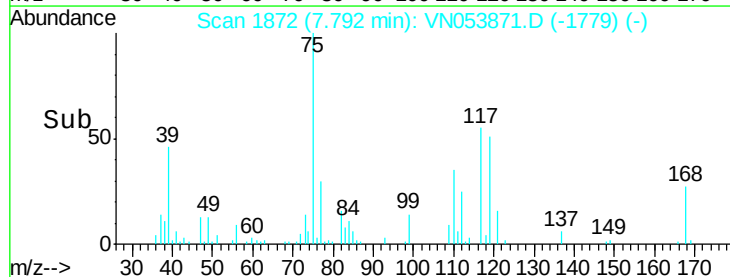
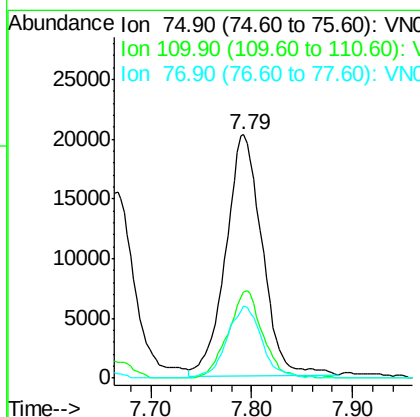
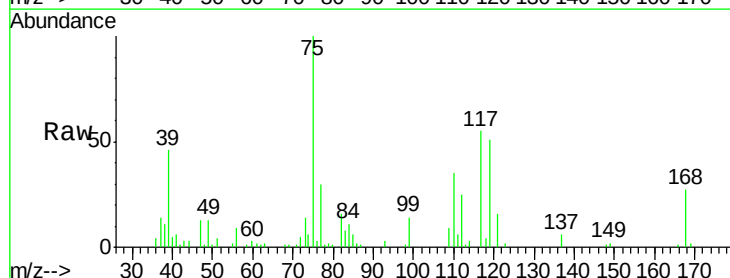
Manual Integrations
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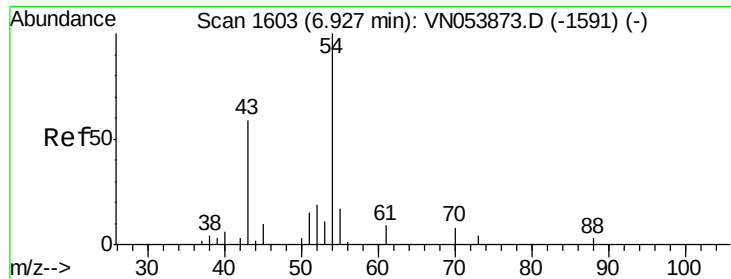
MMDadoda
 2/21/2019 10:51:50 AM



#36
 1,1-Dichloropropene
 Concen: 5.256 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN053871.D
 Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.4	19.0	57.0	
77	28.5	25.4	38.0	





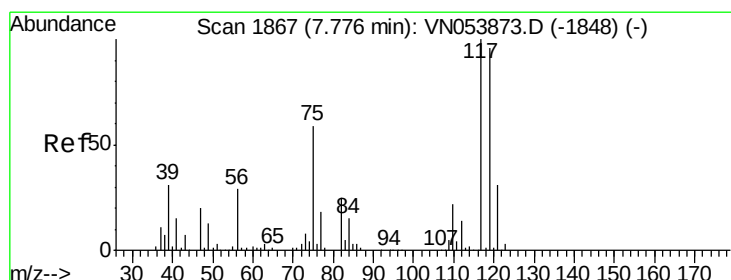
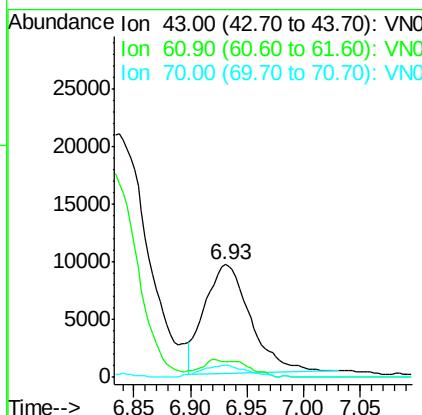
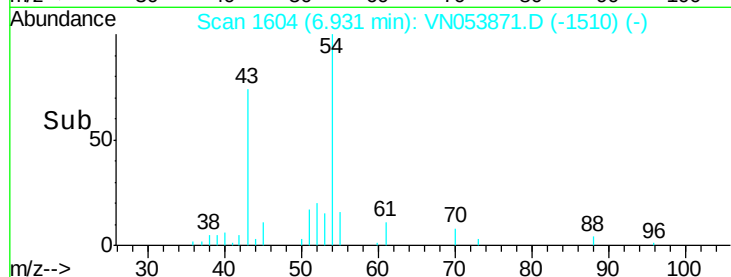
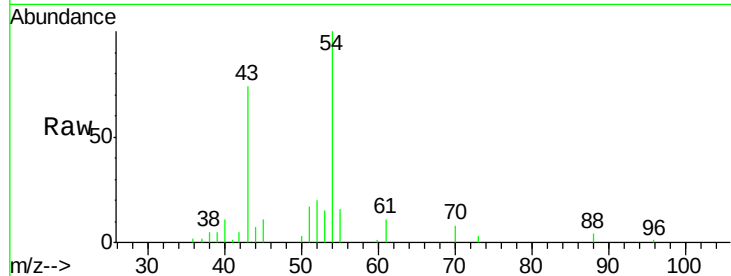
#37
Ethyl Acetate
Concen: 5.025 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.0	18.0#
70	10.9	8.7	13.1

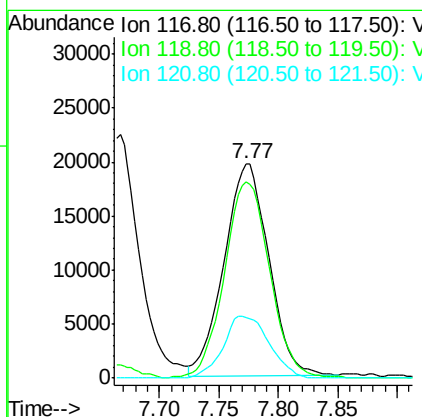
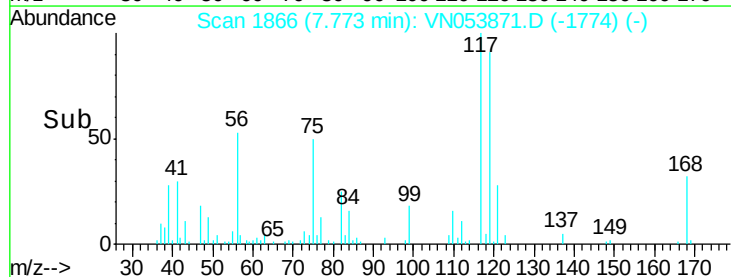
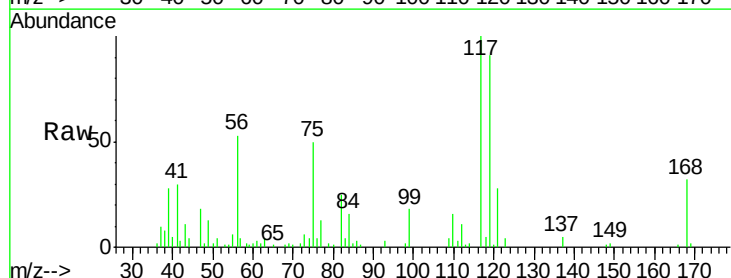
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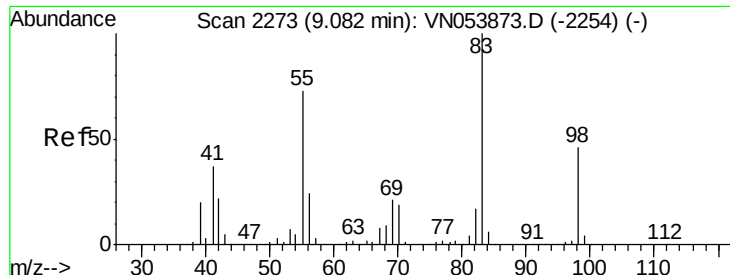
MMDadoda
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#38
Carbon Tetrachloride
Concen: 4.953 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	76.2	114.2
121	28.5	24.6	36.8





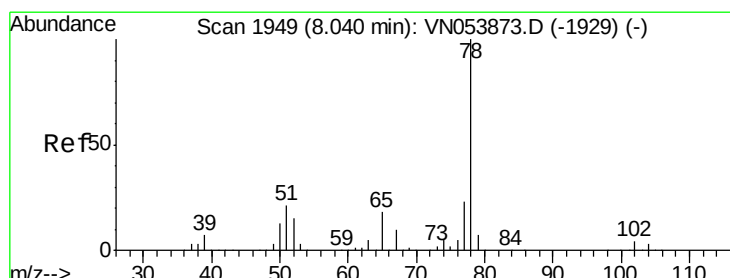
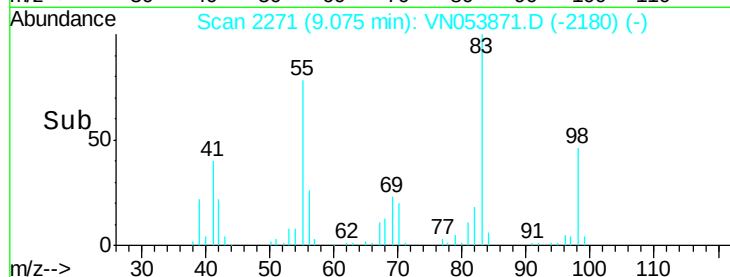
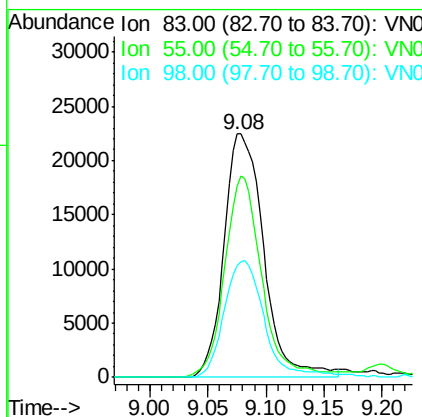
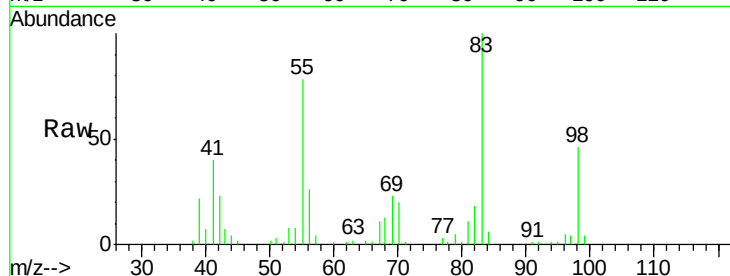
#39
Methylvlcyclohexane
Concen: 4.793 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.01 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	58.2	87.4
98	45.6	37.2	55.8

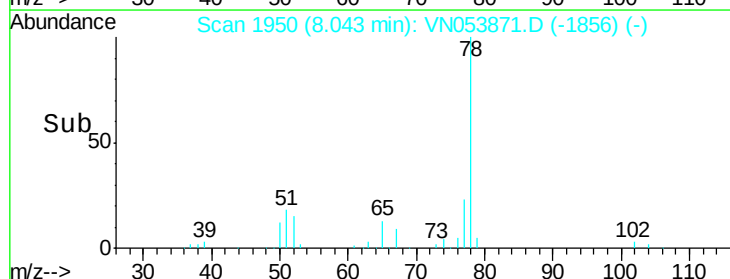
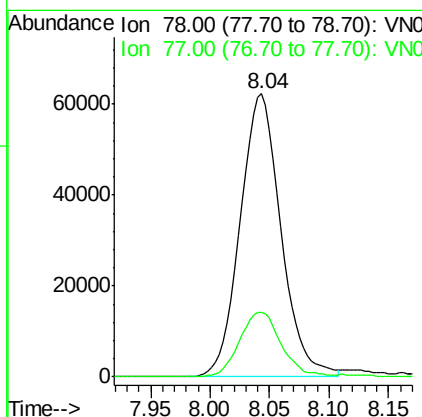
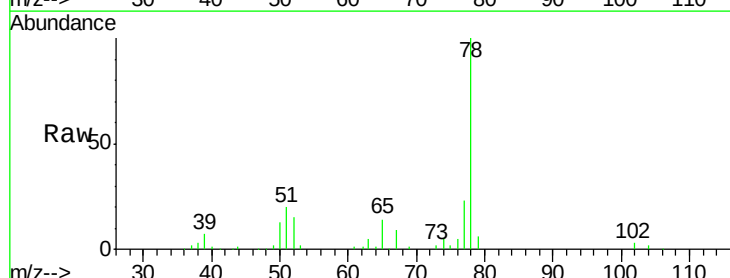
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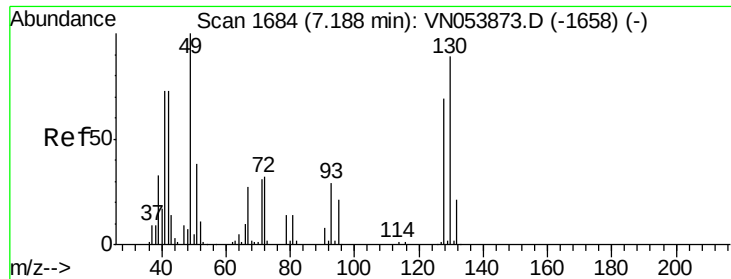
MMDadoda
2/21/2019 10:51:50 AM



#40
Benzene
Concen: 5.203 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.9	18.8	28.2





#41

Methacrylonitrile

Concen: 4.477 ug/l m

RT: 7.18 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 41 Resp: 15201

Ion Ratio Lower Upper

41 100

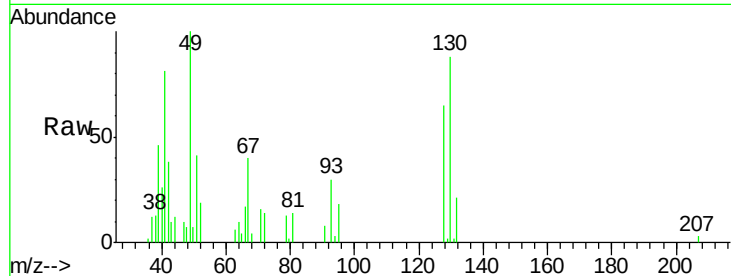
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0

Manual Integrations
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MMDadoda
2/21/2019 10:51:50 AM

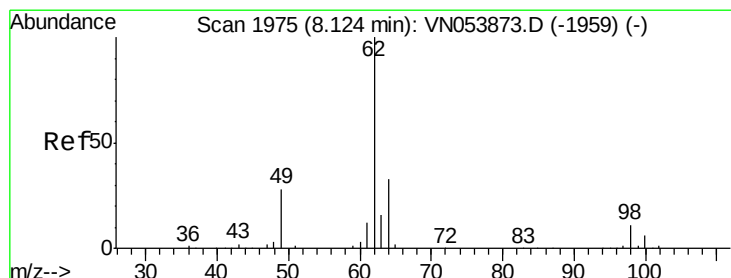
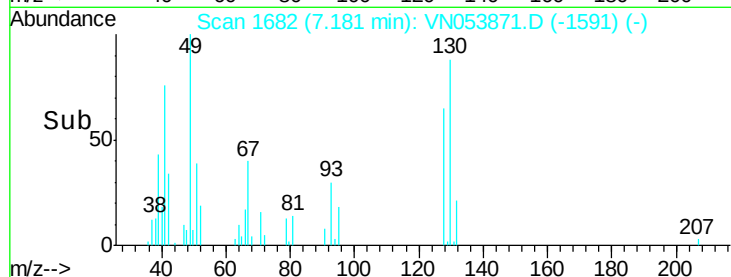
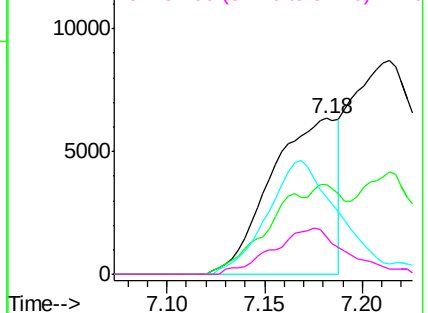


Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC



#42

1,2-Dichloroethane

Concen: 5.345 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN053871.D

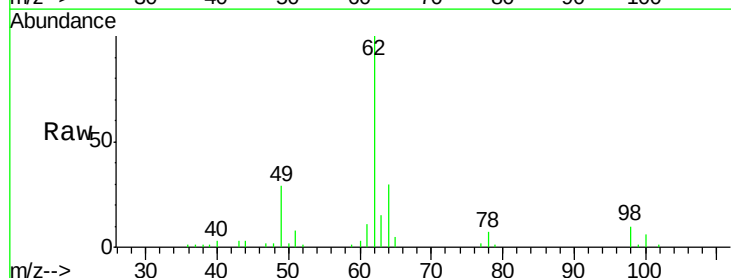
Acq: 20 Feb 2019 8:58

Tgt Ion: 62 Resp: 45395

Ion Ratio Lower Upper

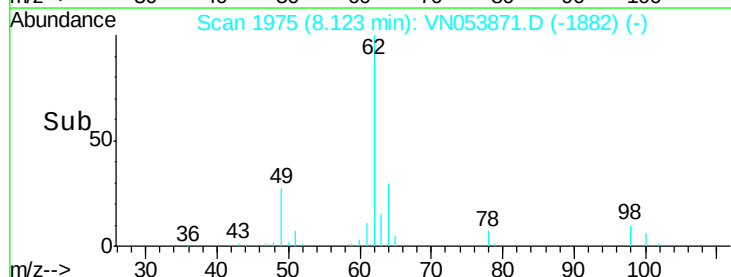
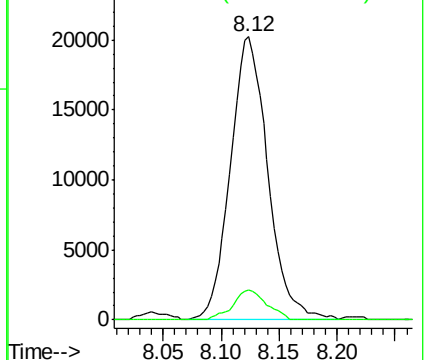
62 100

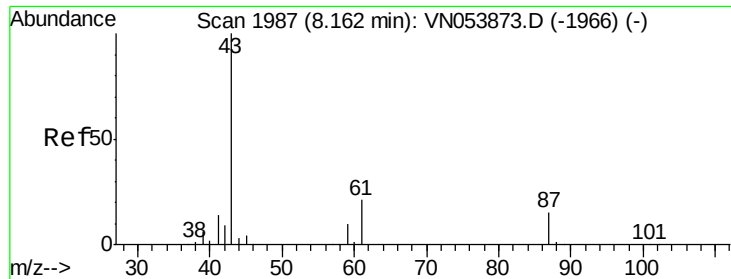
98 9.4 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 97.90 (97.60 to 98.60): VNC





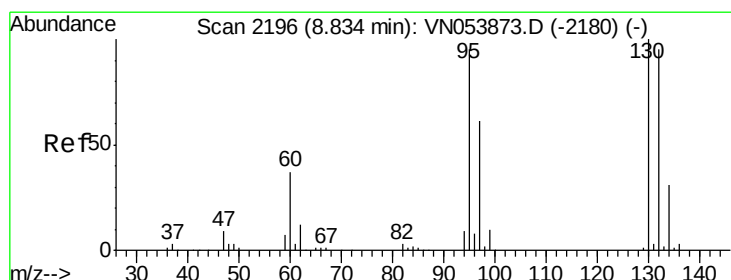
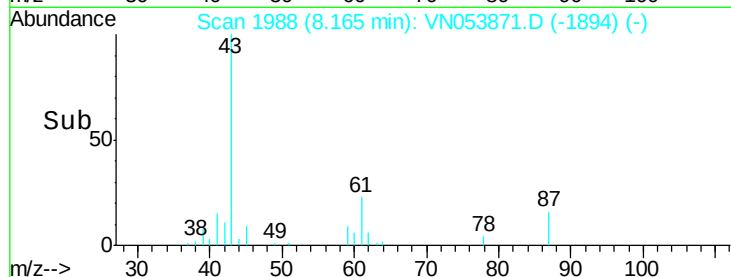
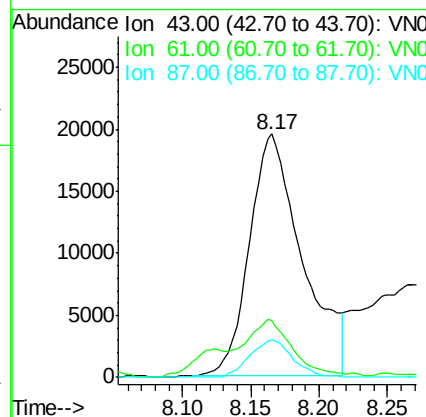
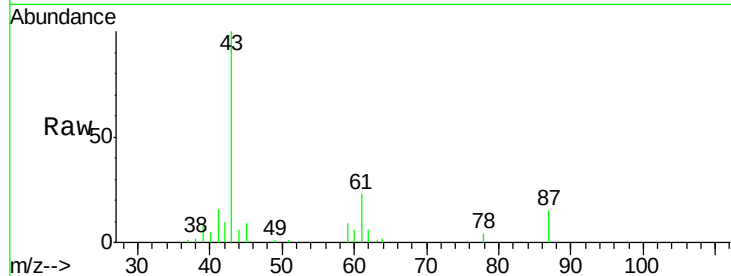
#43
Isopropyl Acetate
Concen: 5.095 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.9	17.4	26.0
87	12.6	11.5	17.3

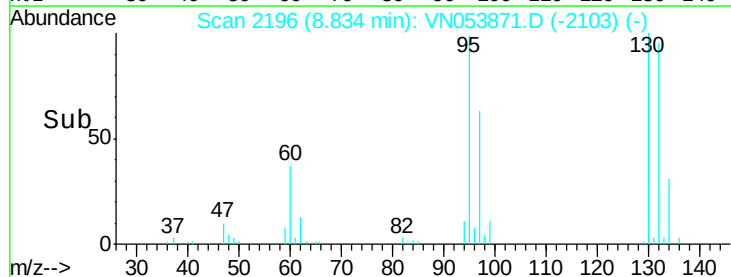
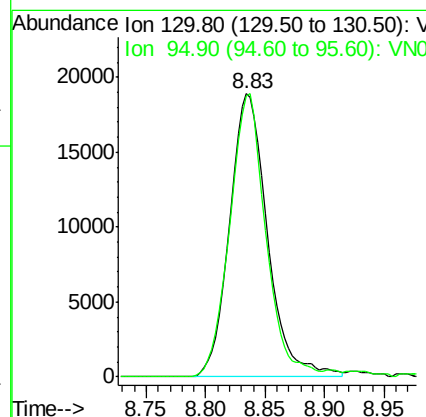
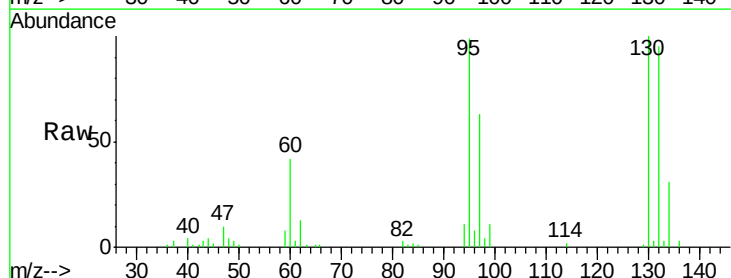
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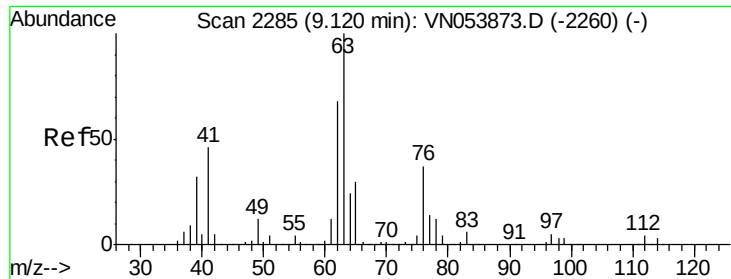
MMDadoda
2/21/2019 10:51:50 AM



#44
Trichloroethene
Concen: 5.237 ug/l
RT: 8.83 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	190.0





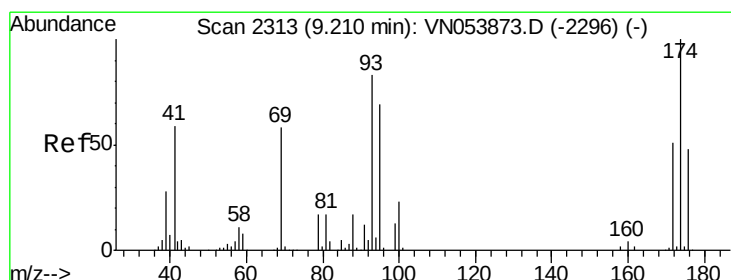
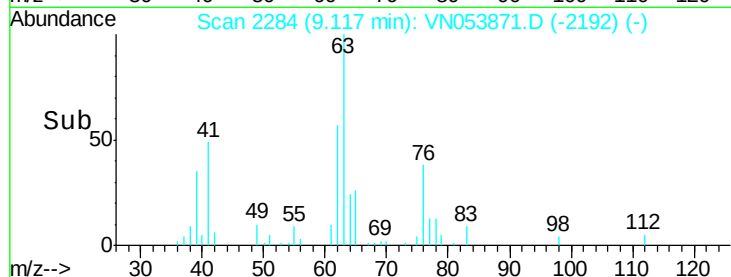
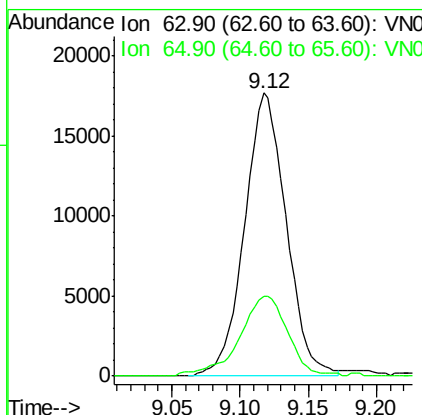
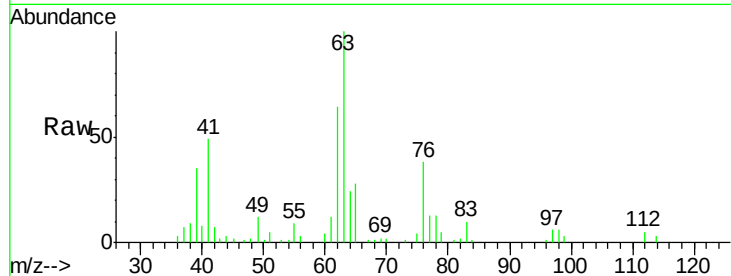
#45
 1,2-Dichloropropane
 Concen: 5.154 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN053871.D
 Acq: 20 Feb 2019 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion: 63 Resp: 37485
 Ion Ratio Lower Upper
 63 100
 65 27.2 24.3 36.5

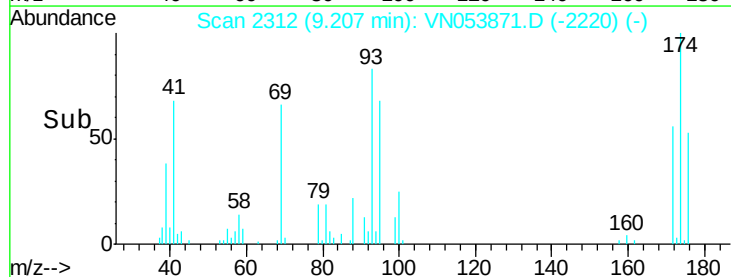
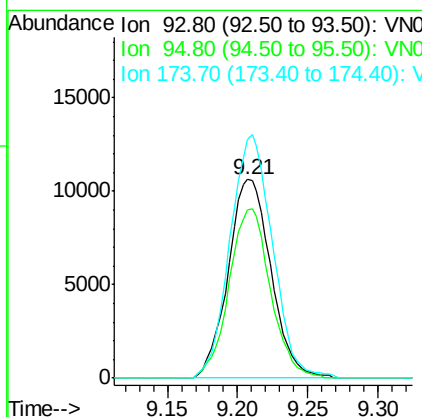
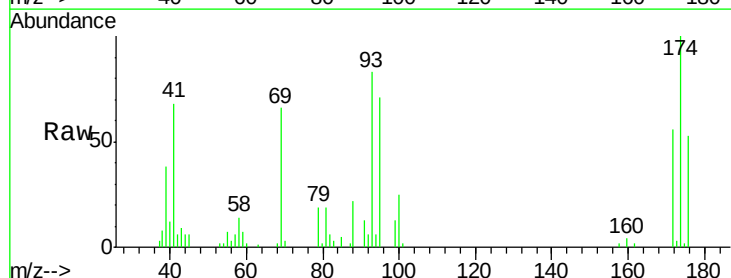
Manual Integrations
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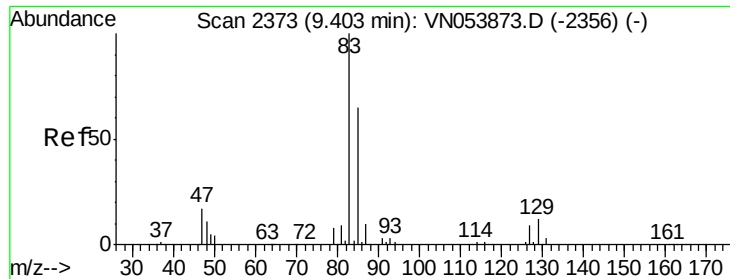
MMDadoda
 2/21/2019 10:51:50 AM



#46
 Dibromomethane
 Concen: 5.163 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN053871.D
 Acq: 20 Feb 2019 8:58

Tgt Ion: 93 Resp: 22613
 Ion Ratio Lower Upper
 93 100
 95 82.4 66.6 100.0
 174 121.1 96.2 144.4





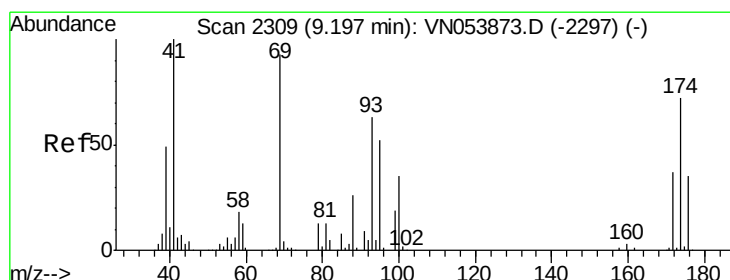
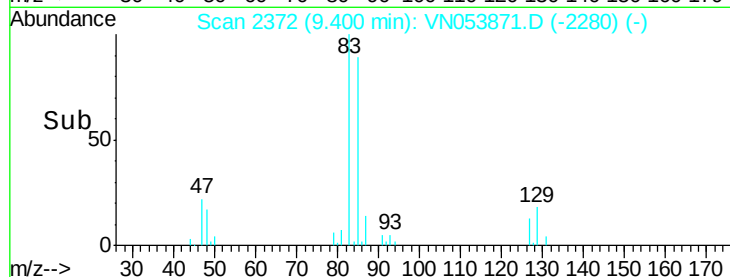
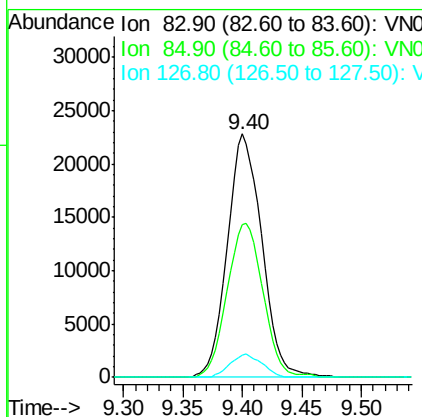
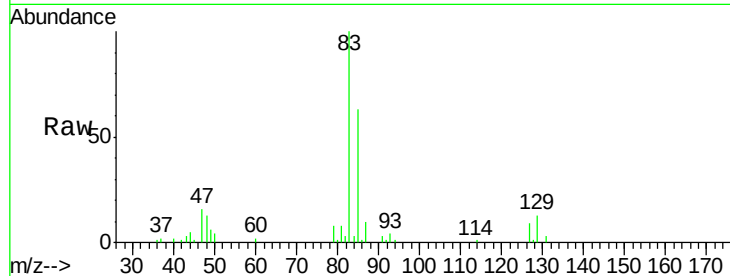
#47
Bromodichloromethane
Concen: 4.987 ug/l
RT: 9.40 min Scan# 2372
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	46076
Ion Ratio	100	Lower	Upper
83	100		
85	62.7	51.8	77.6
127	9.3	7.4	11.0

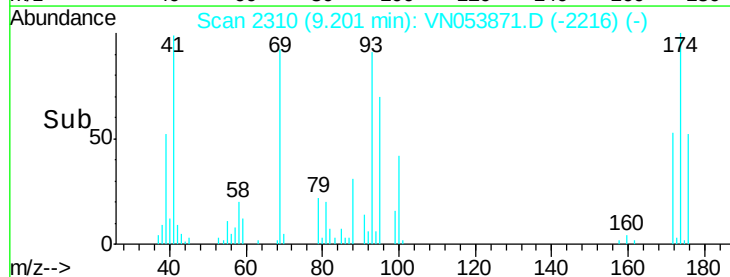
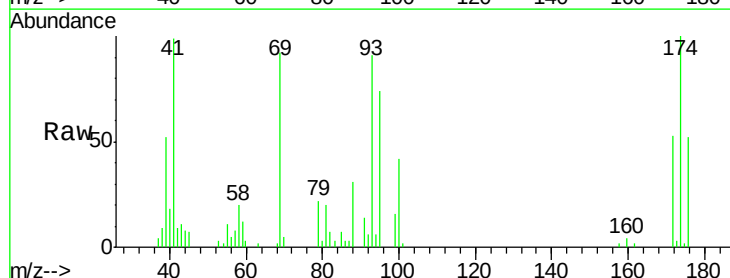
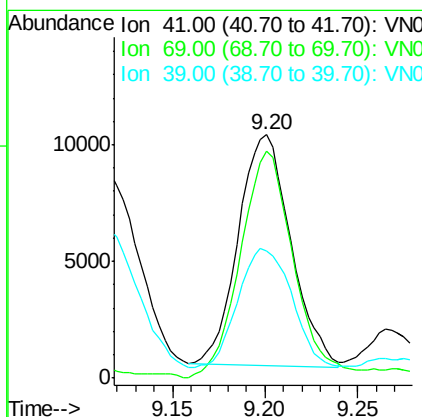
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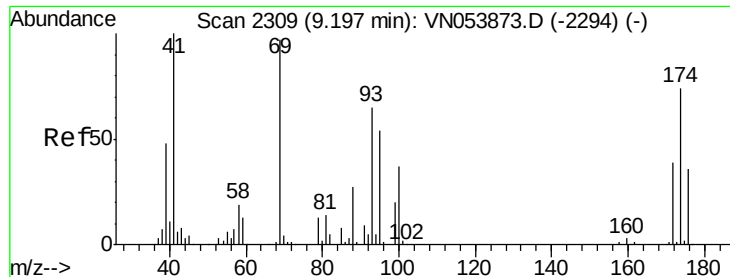
MMDadoda
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#48
Methyl methacrylate
Concen: 4.131 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion	41	Resp	19527
Ion Ratio	100	Lower	Upper
41	100		
69	99.6	74.8	112.2
39	52.6	39.0	58.6





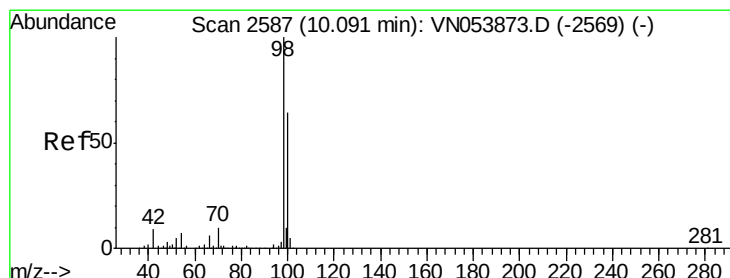
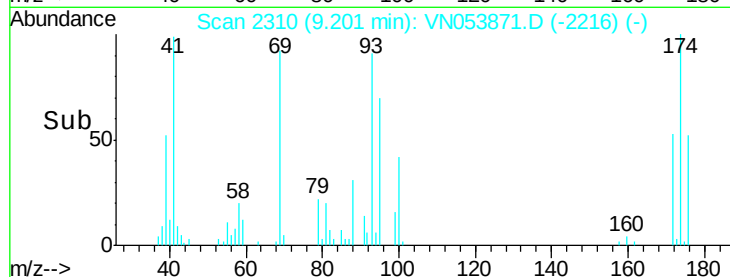
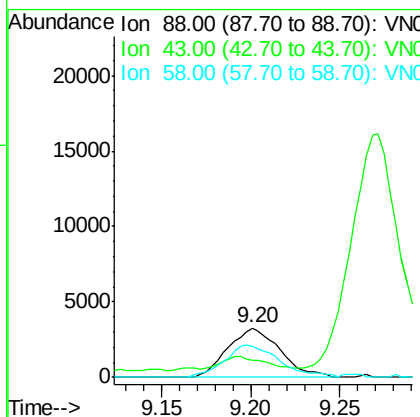
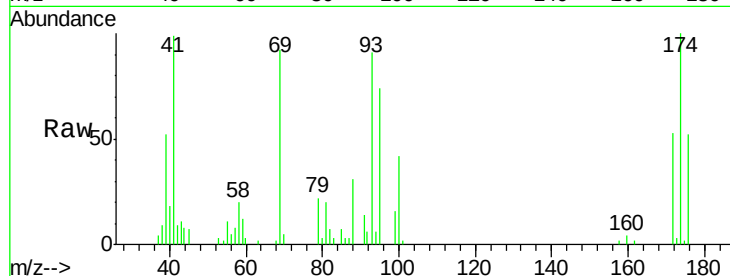
#49
1,4-Dioxane
Concen: 102.386 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	18.6	21.2	31.8#
58	69.5	54.2	81.2

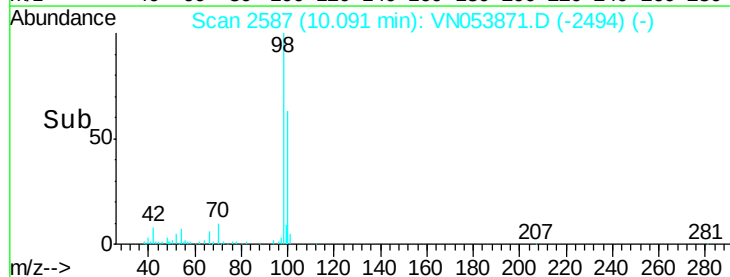
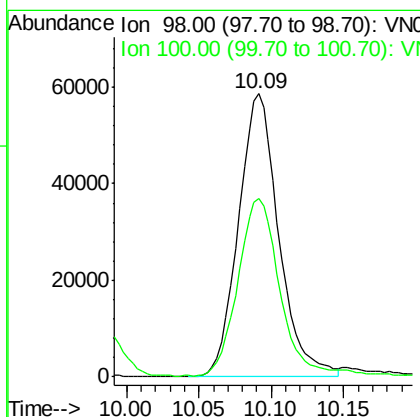
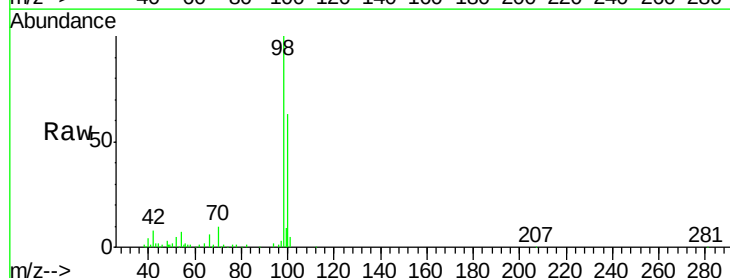
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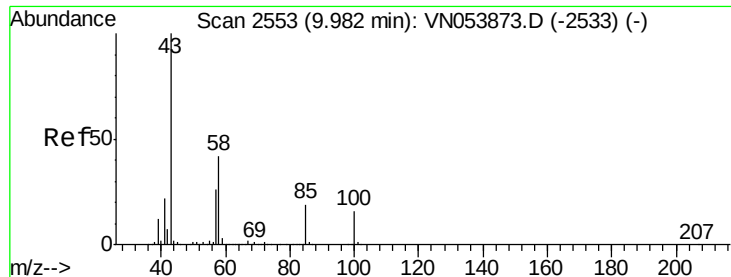
MMDadoda
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#50
Toluene-d8
Concen: 4.550 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.9	77.9





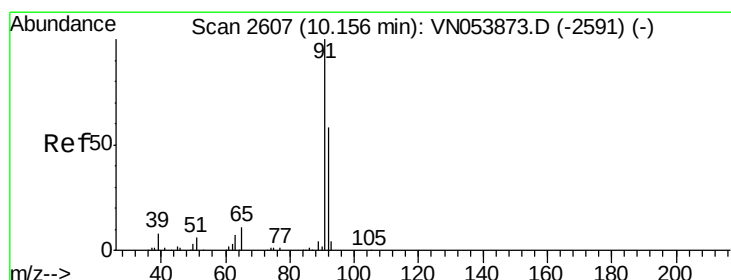
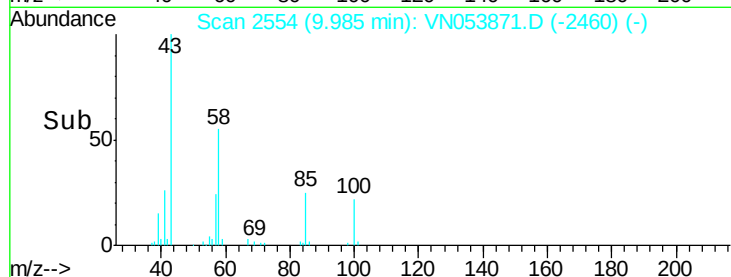
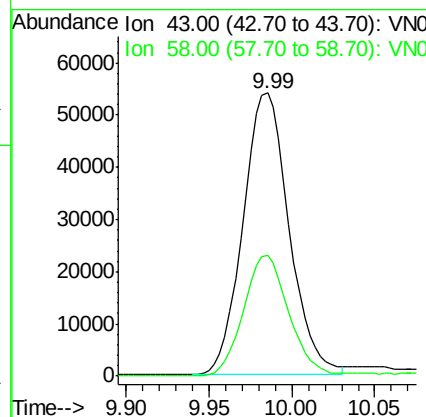
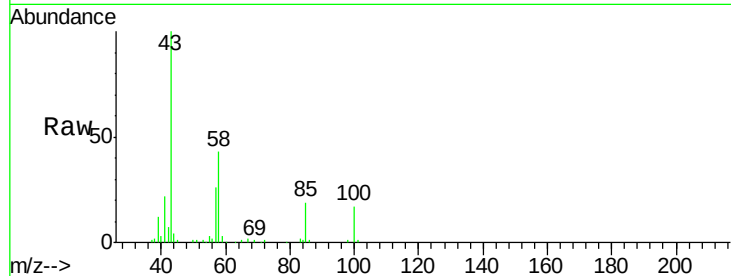
#51
4-Methyl-2-Pentanone
Concen: 21.827 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
58	42.2	32.7	49.1

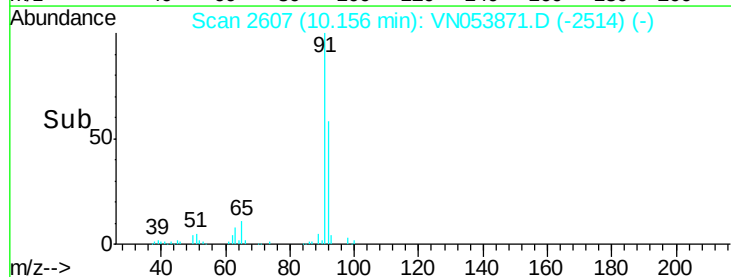
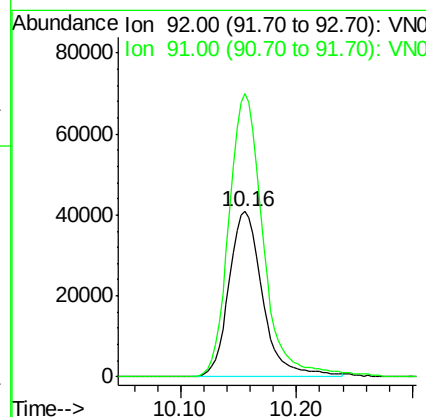
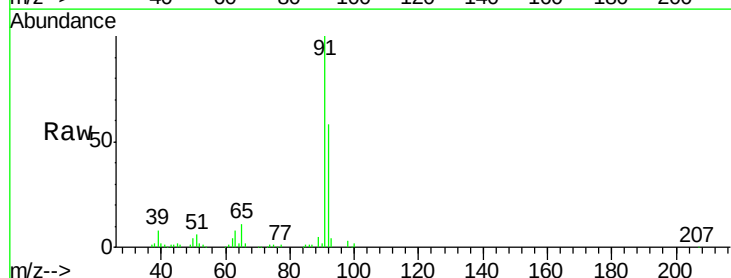
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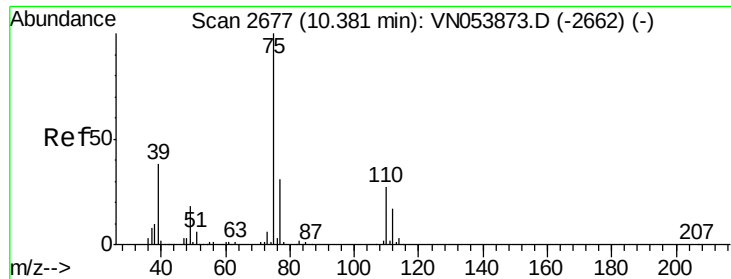
MMDadoda
2/21/2019 10:51:50 AM



#52
Toluene
Concen: 4.856 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Lower	Upper
92	100		
91	173.5	138.4	207.6





#53

t-1,3-Dichloropropene

Concen: 4.496 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 40339

Ion Ratio Lower Upper

75 100

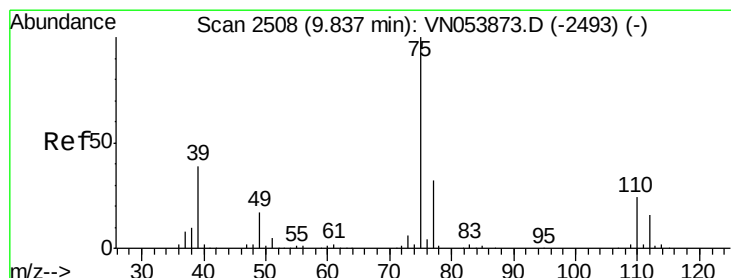
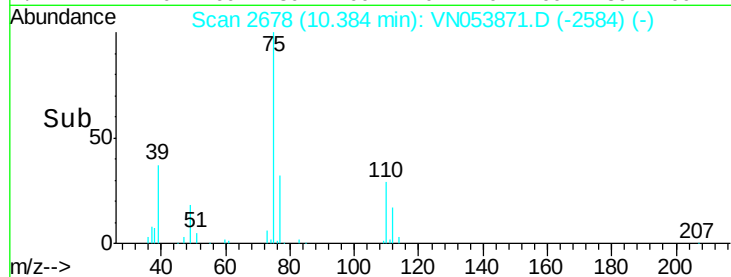
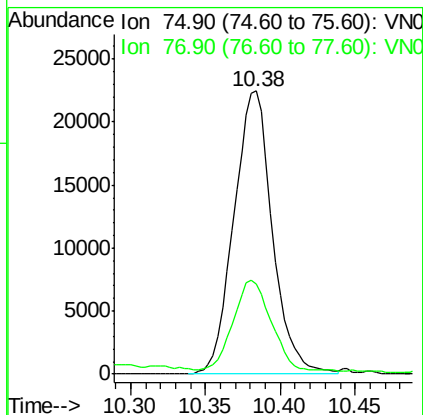
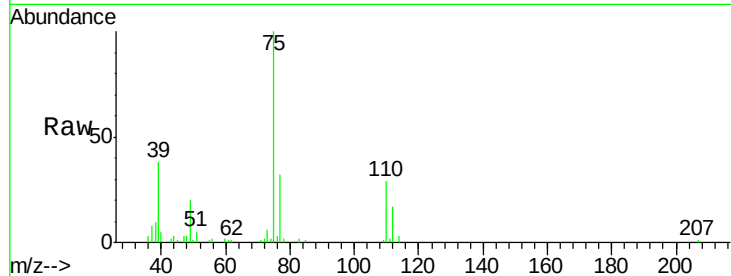
77 30.7 25.0 37.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 4.646 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

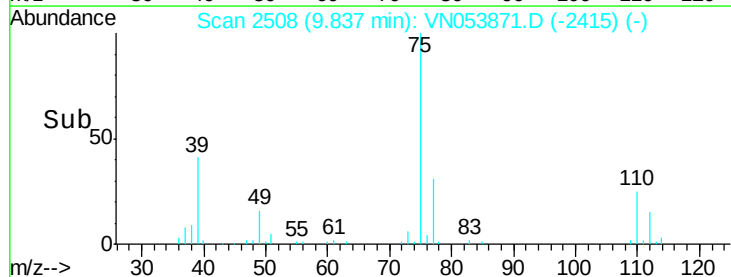
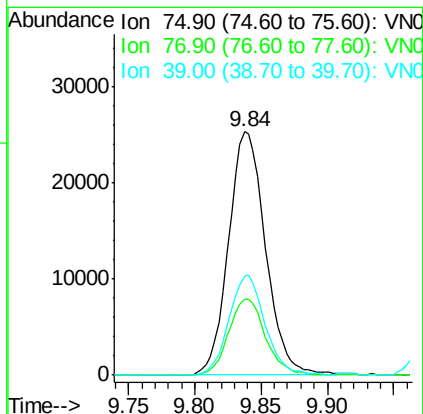
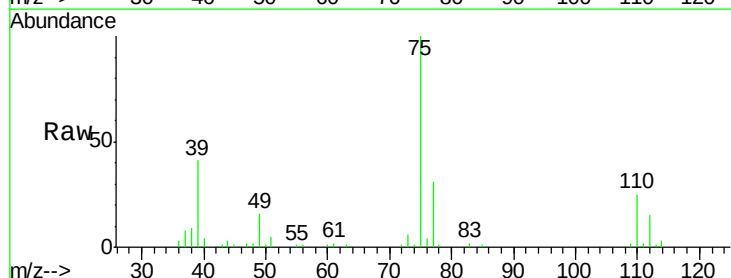
Tgt Ion: 75 Resp: 49128

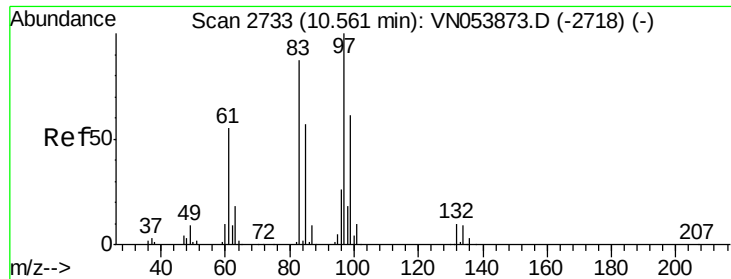
Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.6

39 40.5 31.4 47.0





#55

1,1,2-Trichloroethane

Concen: 4.983 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Instrument :

MSVOA_N

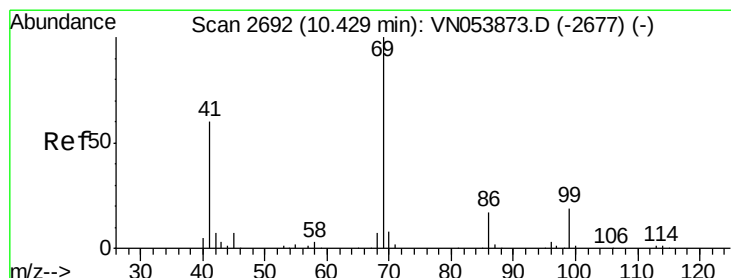
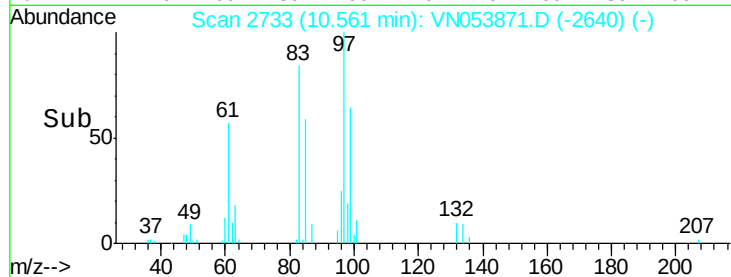
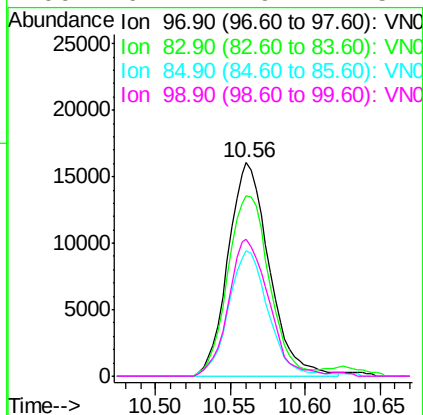
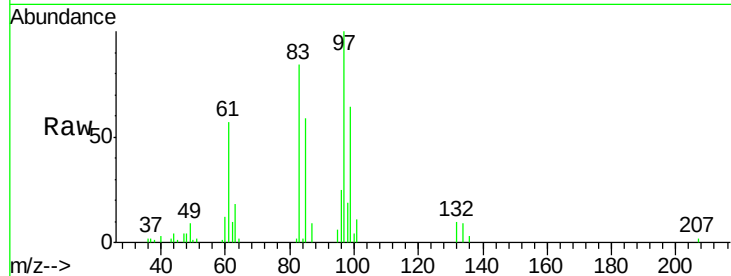
ClientSampleId :

VSTDIC005

Tot Ion:	97	Resp:	30757
Ion	Ratio	Lower	Upper
97	100		
83	84.2	69.5	104.3
85	58.7	45.9	68.9
99	64.4	49.1	73.7

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#56

Ethyl methacrylate

Concen: 4.241 ug/l

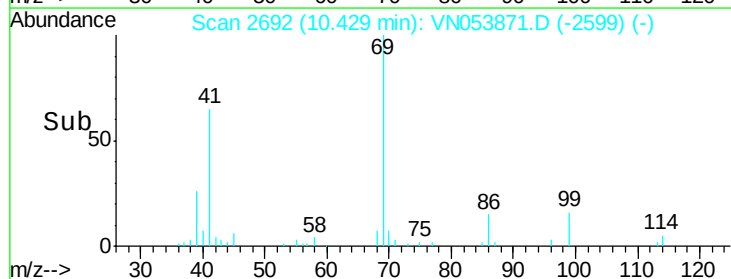
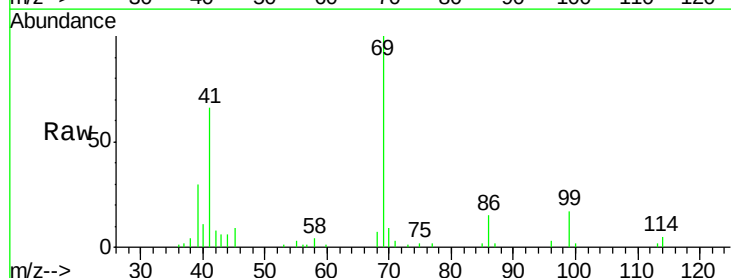
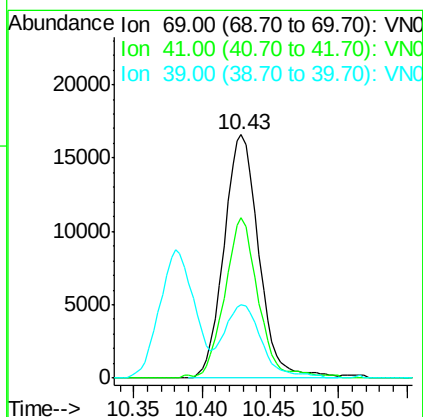
RT: 10.43 min Scan# 2692

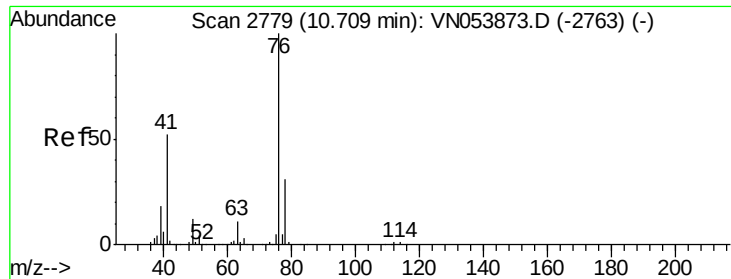
Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Tgt Ion:	69	Resp:	29470
Ion	Ratio	Lower	Upper
69	100		
41	63.4	47.5	71.3
39	32.9	23.4	35.0





#57

1,3-Dichloropropane

Concen: 4.827 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 50161

Ion Ratio Lower Upper

76 100

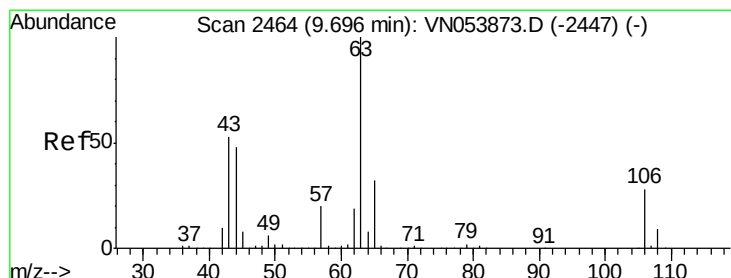
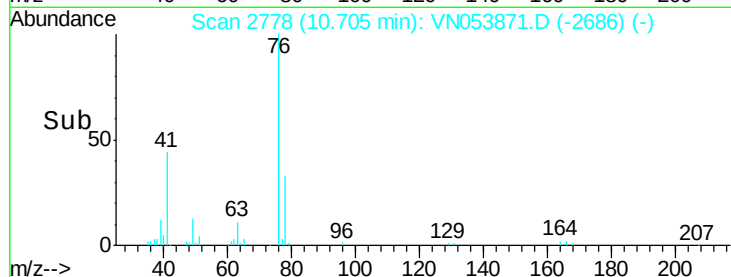
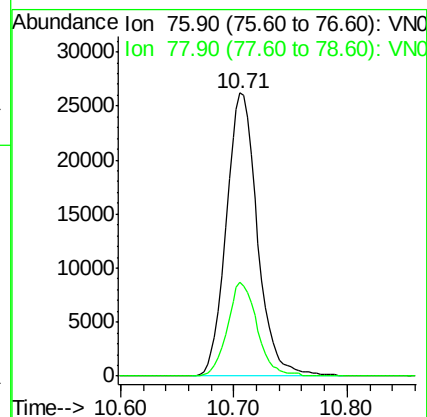
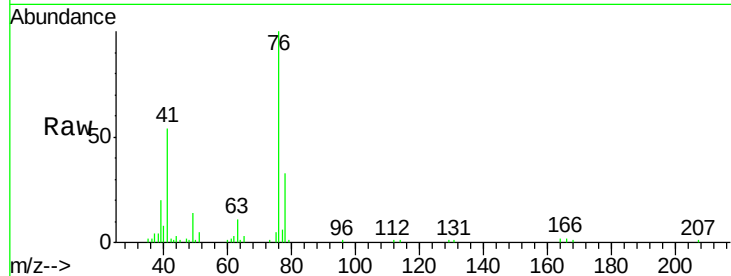
78 31.7 25.2 37.8

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#58

2-Chloroethyl Vinyl ether

Concen: 21.368 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN053871.D

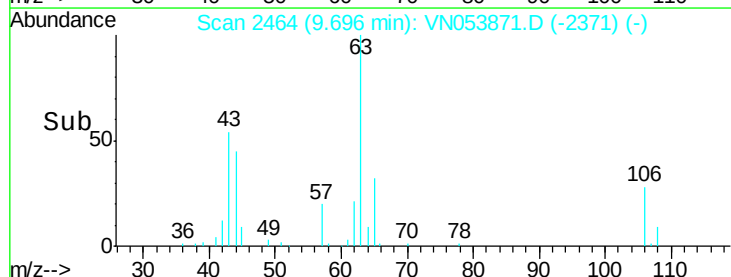
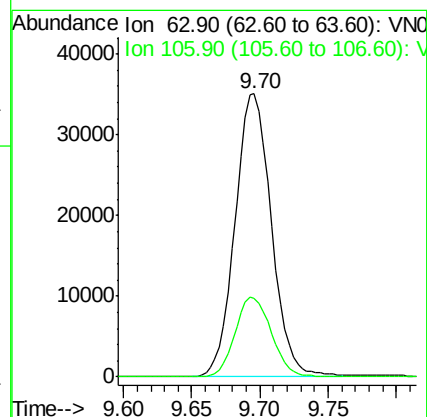
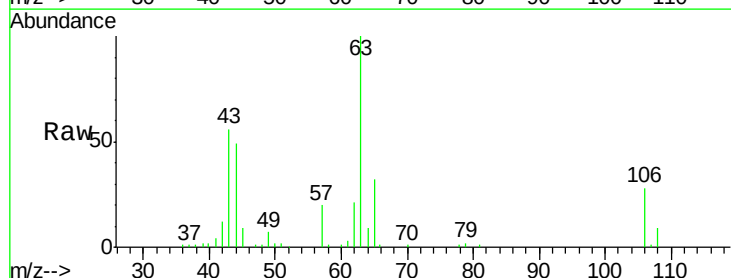
Acq: 20 Feb 2019 8:58

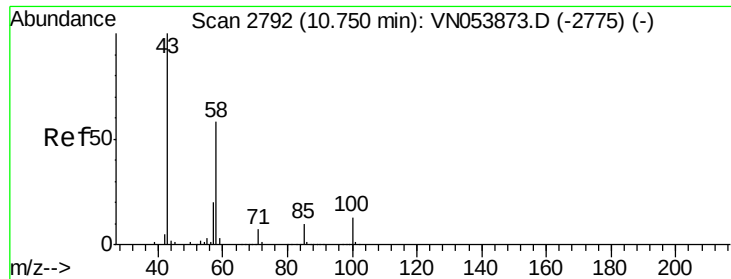
Tgt Ion: 63 Resp: 65046

Ion Ratio Lower Upper

63 100

106 28.0 22.2 33.2





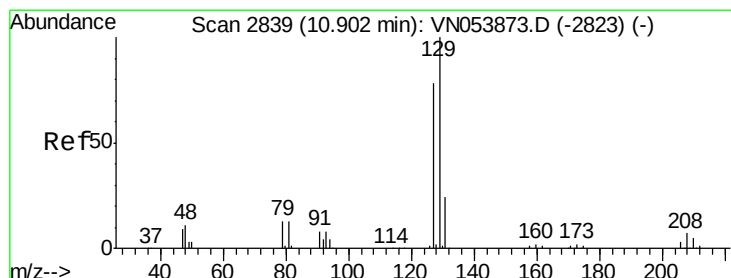
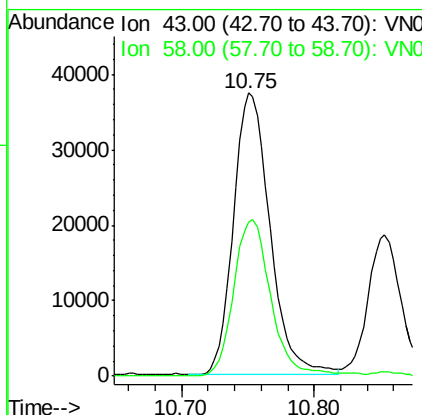
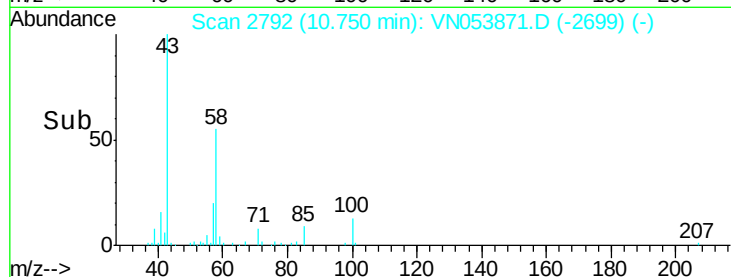
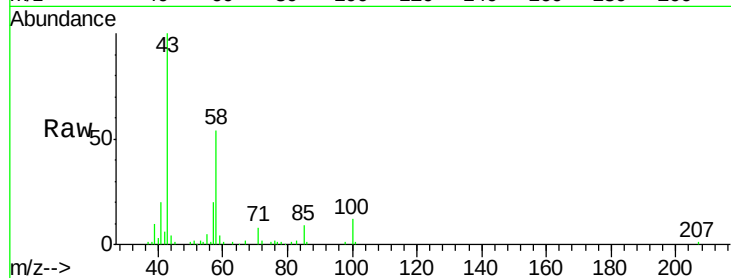
#59
2-Hexanone
Concen: 22.274 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 71837
Ion Ratio Lower Upper
43 100
58 56.4 29.1 87.4

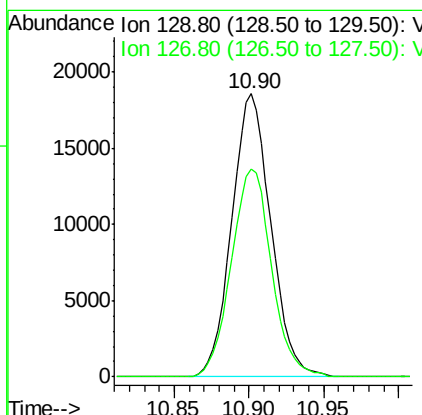
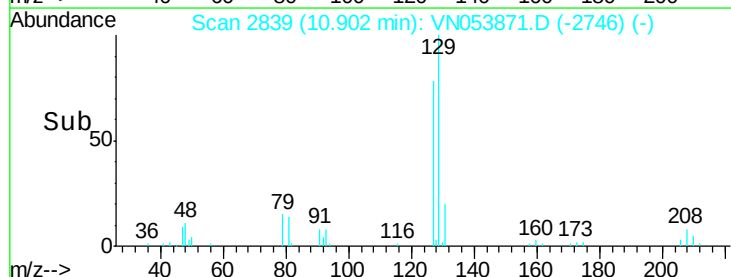
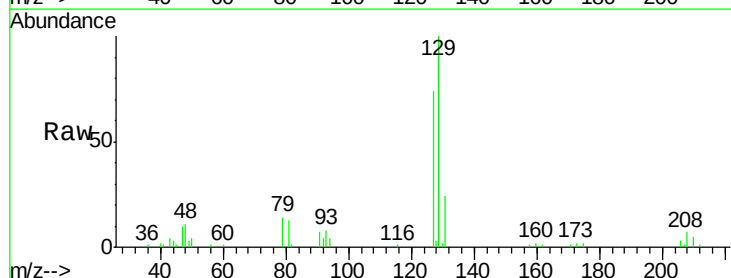
Manual Integrations
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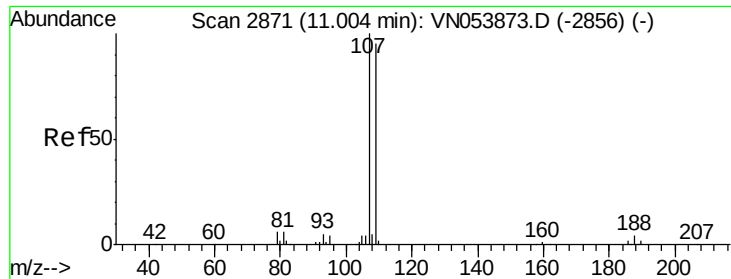
MMDadoda
2/21/2019 10:51:50 AM



#60
Dibromochloromethane
Concen: 4.687 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion: 129 Resp: 33764
Ion Ratio Lower Upper
129 100
127 75.8 38.8 116.3





#61

1,2-Dibromoethane

Concen: 4.668 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:107 Resp: 28621

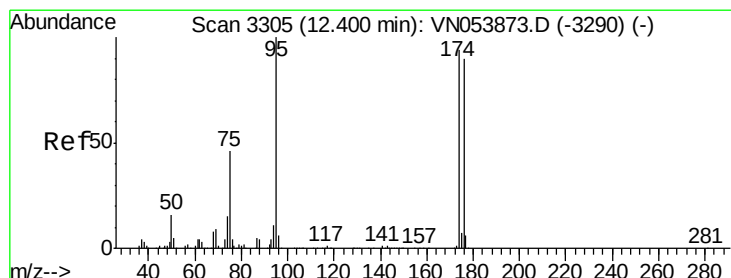
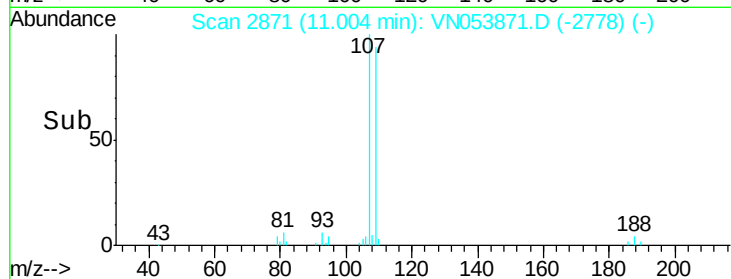
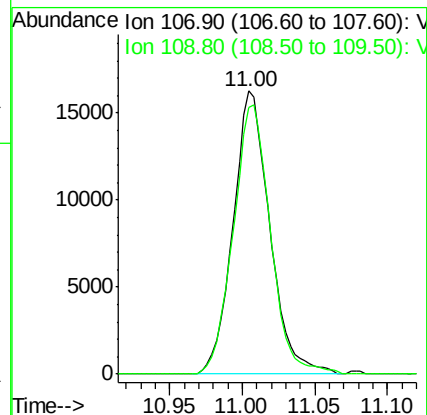
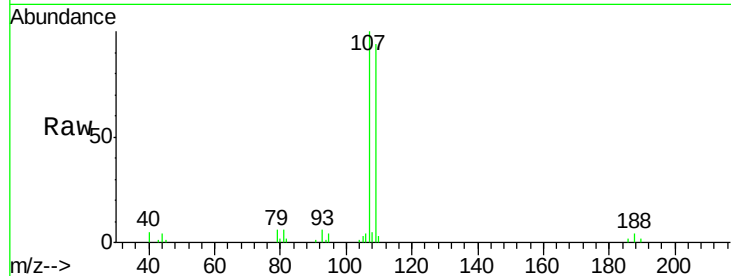
Ion Ratio Lower Upper

107 100

109 96.4 76.3 114.5

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#62

4-Bromofluorobenzene

Concen: 4.281 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

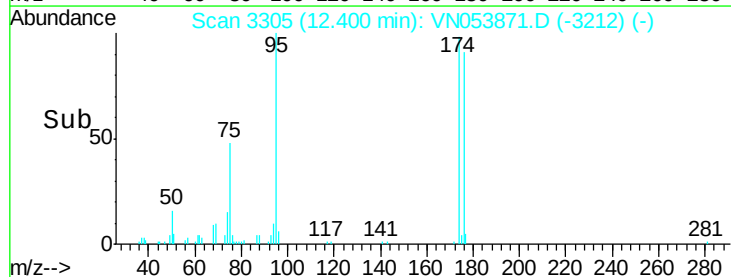
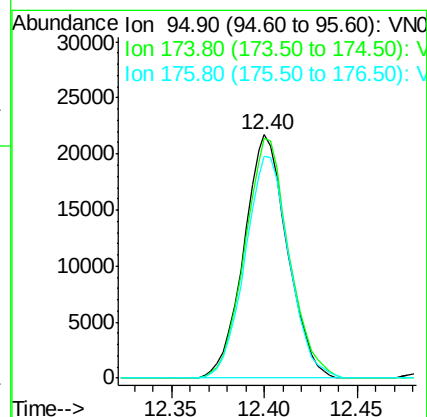
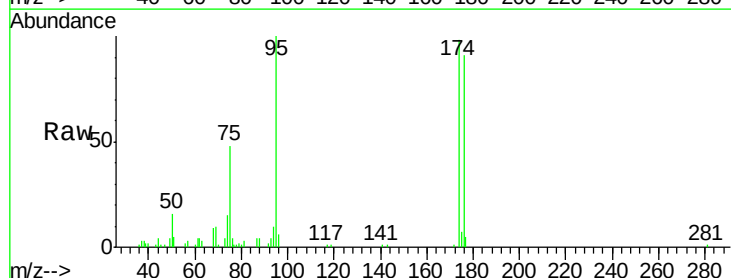
Tgt Ion: 95 Resp: 35221

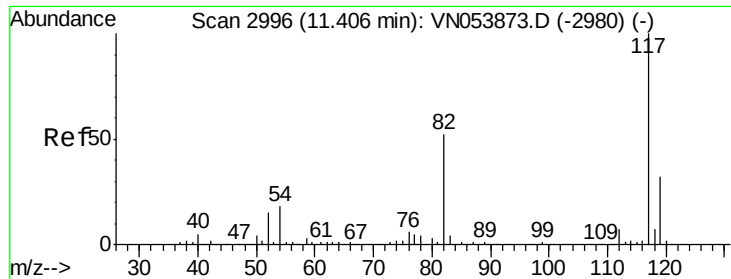
Ion Ratio Lower Upper

95 100

174 100.1 0.0 188.8

176 92.8 0.0 182.6





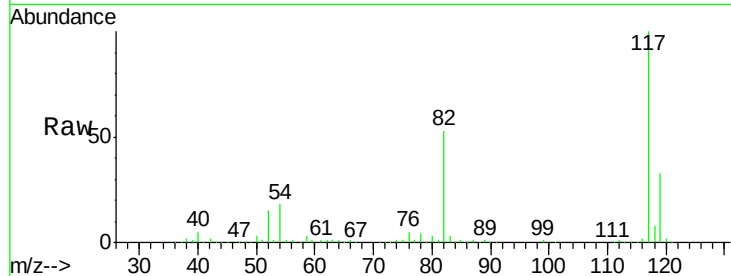
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.4	62.2
119	32.6	25.3	37.9

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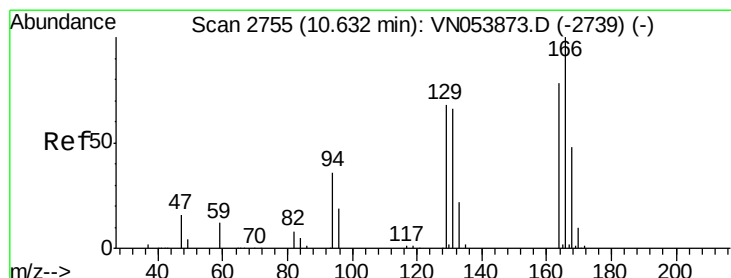
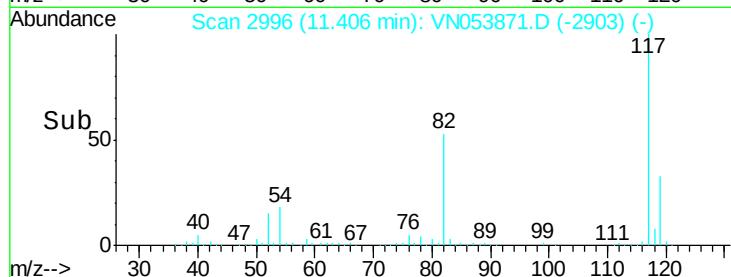
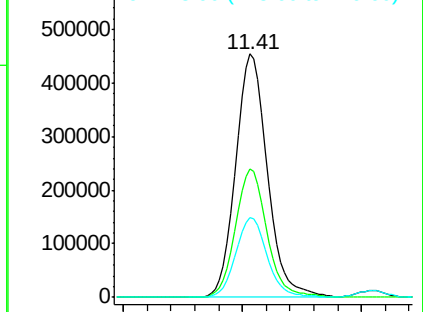


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 5.385 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.6	153.8
129	85.8	69.4	104.0
131	84.7	68.1	102.1

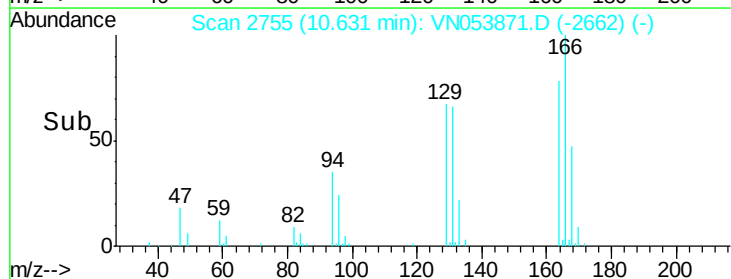
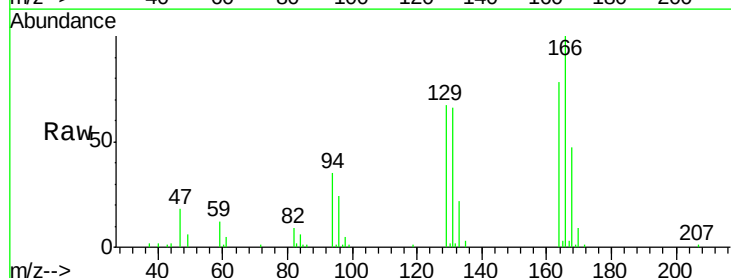
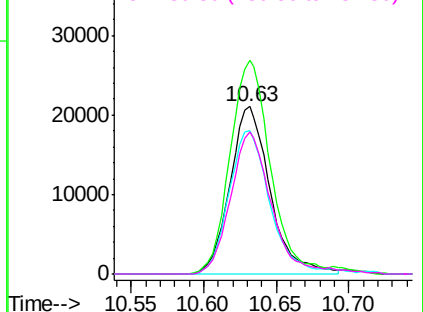
Abundance

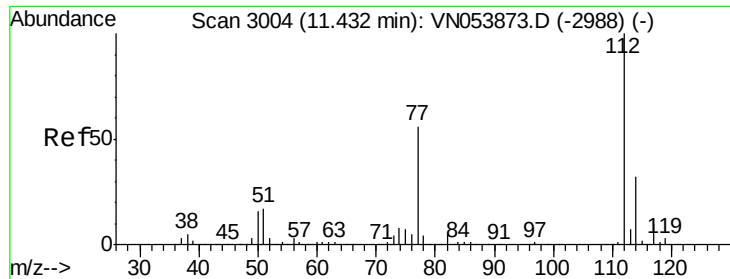
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





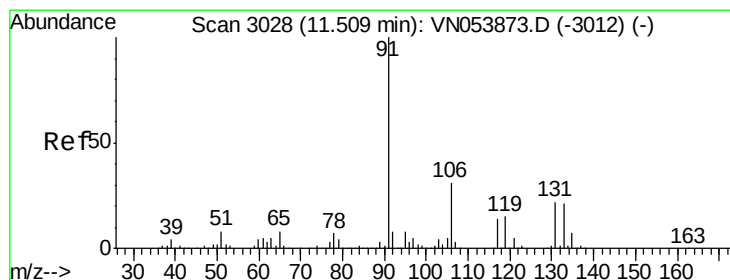
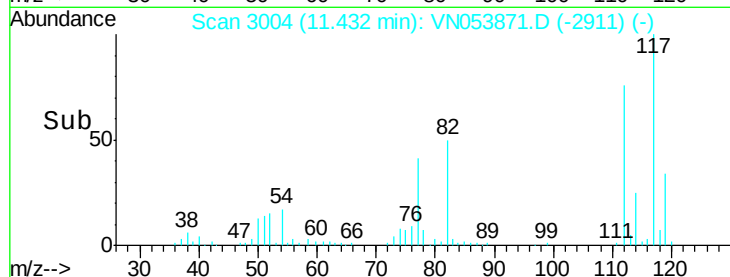
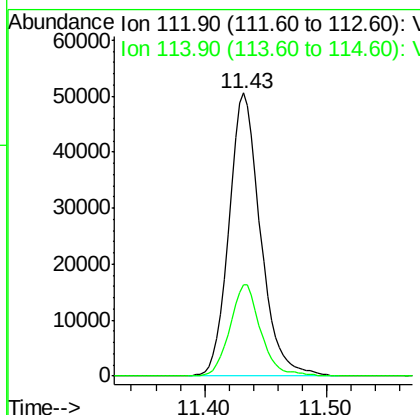
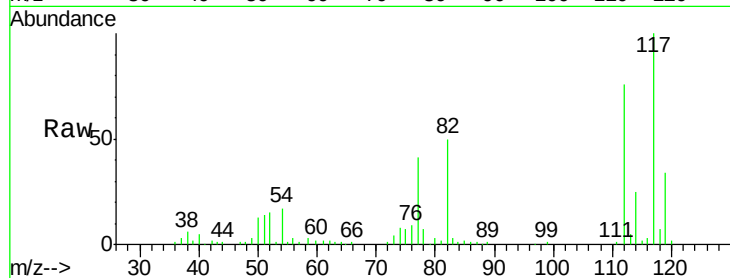
#65
Chlorobenzene
Concen: 5.174 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 90969
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5

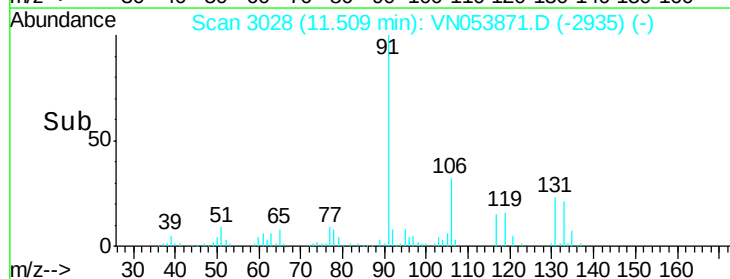
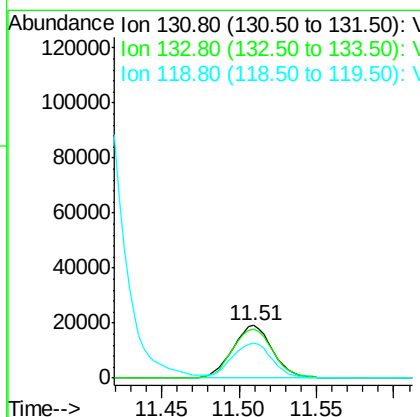
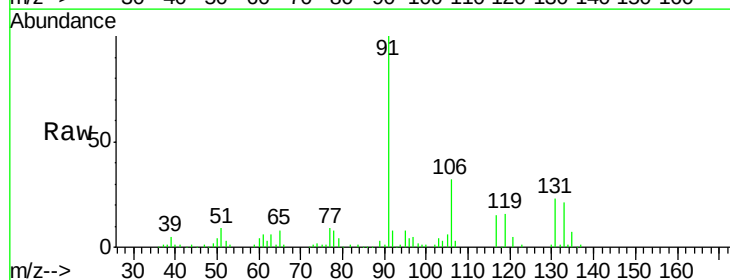
Manual Integrations
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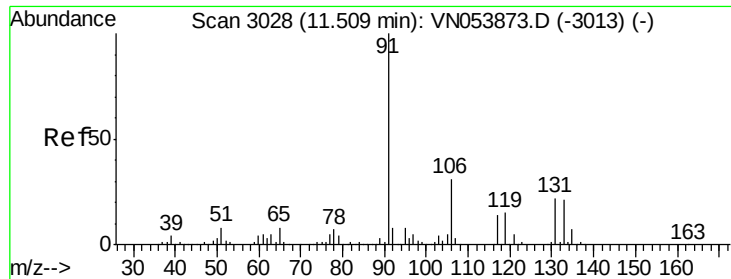
MMDadoda
2/21/2019 10:51:50 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.366 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion:131 Resp: 34428
Ion Ratio Lower Upper
131 100
133 95.6 47.7 143.1
119 67.4 33.1 99.3





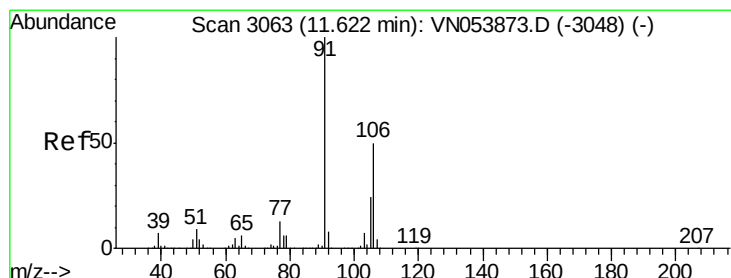
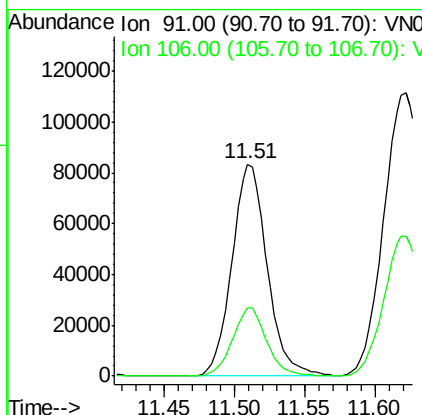
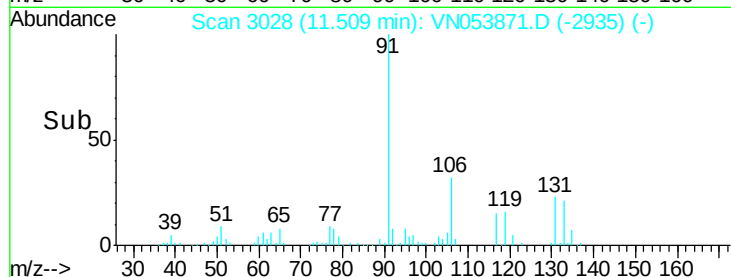
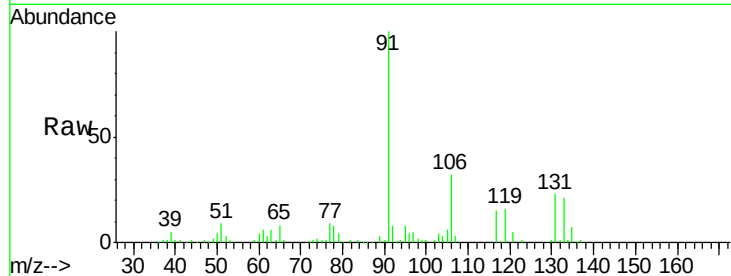
#67
Ethyl Benzene
Concen: 5.138 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 146202
Ion Ratio Lower Upper
91 100
106 32.3 25.2 37.8

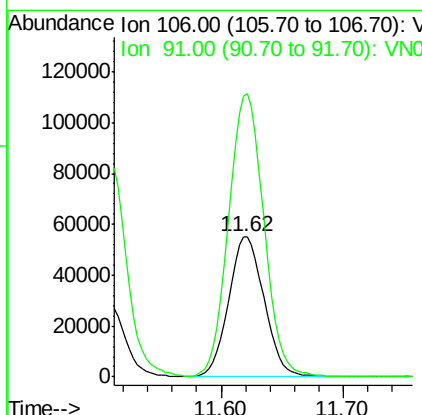
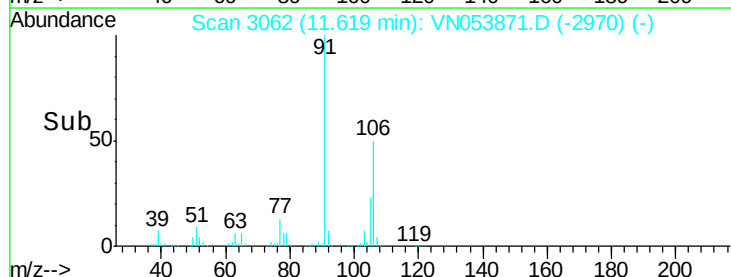
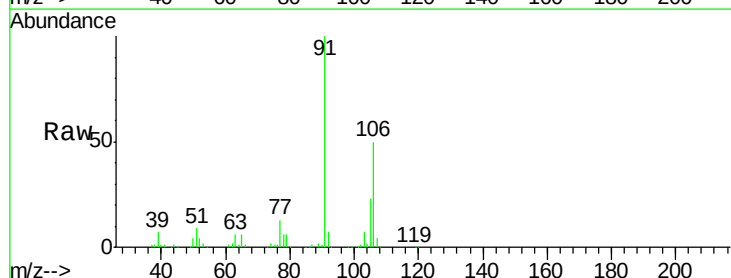
Manual Integrations
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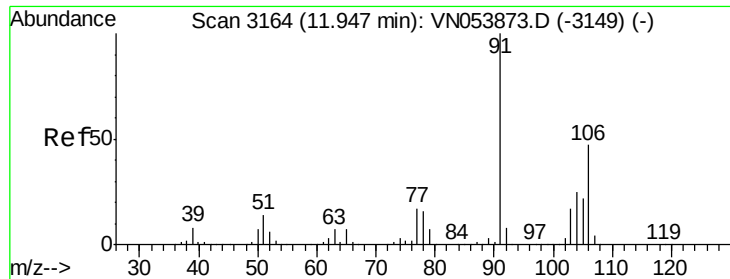
MMDadoda
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#68
m/p-Xylenes
Concen: 10.134 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion: 106 Resp: 111662
Ion Ratio Lower Upper
106 100
91 200.5 158.9 238.3





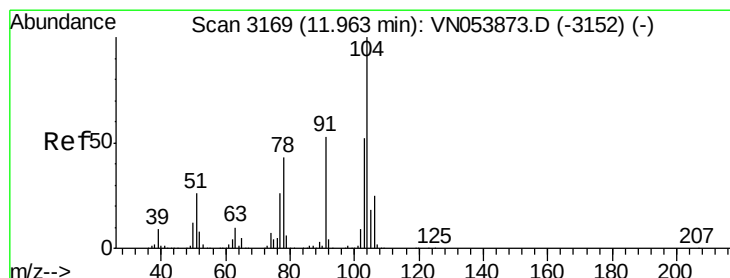
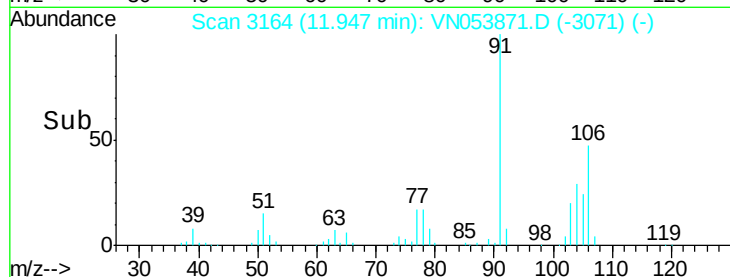
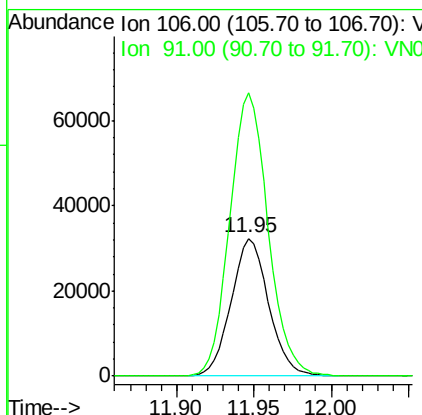
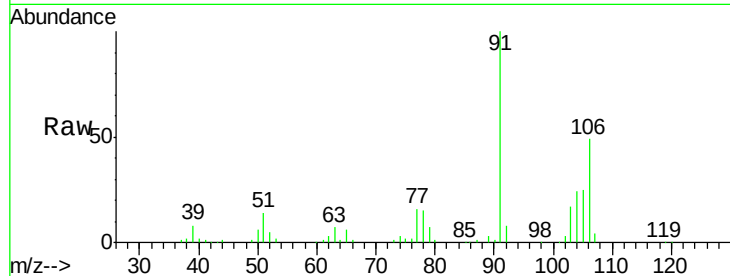
#69
o-Xylene
Concen: 5.118 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 54286
Ion Ratio Lower Upper
106 100
91 209.9 106.0 318.0

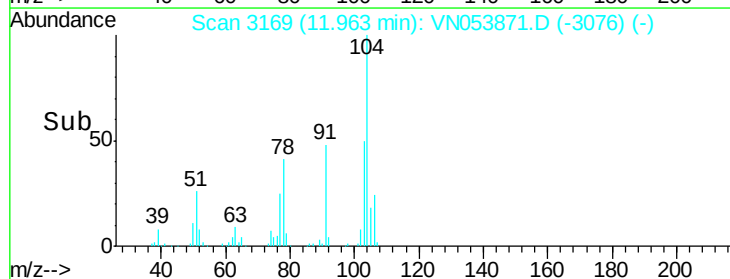
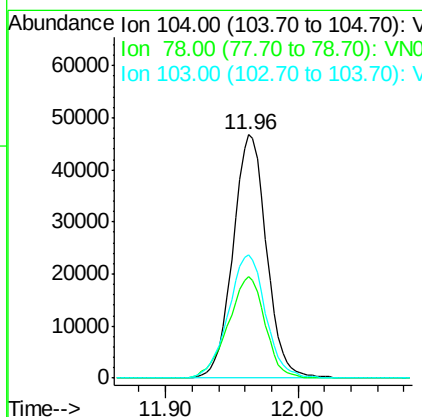
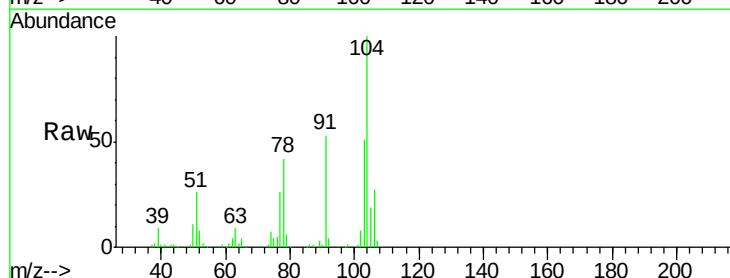
Manual Integrations
APPROVED

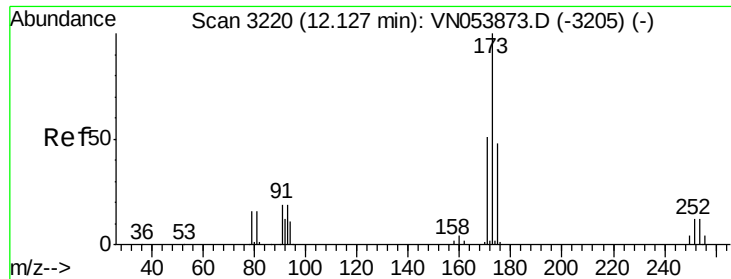
MMDadoda
2/21/2019 10:51:50 AM



#70
Styrene
Concen: 4.926 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion:104 Resp: 81989
Ion Ratio Lower Upper
104 100
78 45.7 38.1 57.1
103 56.3 44.6 67.0





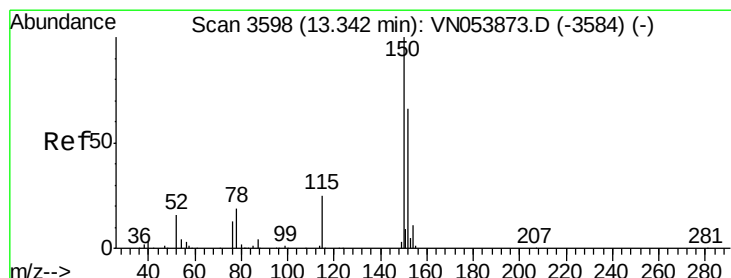
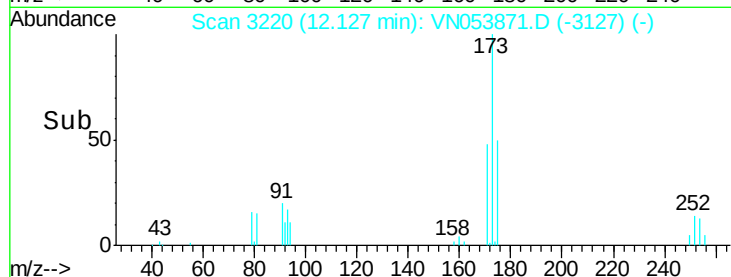
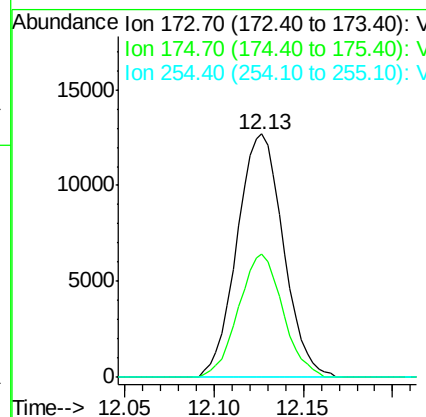
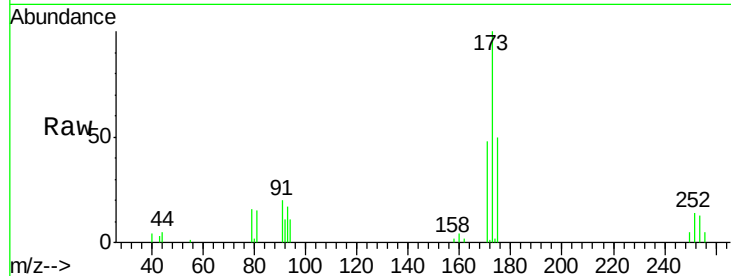
#71
Bromoform
Concen: 5.032 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.3	72.8
254	0.0	0.2	0.2

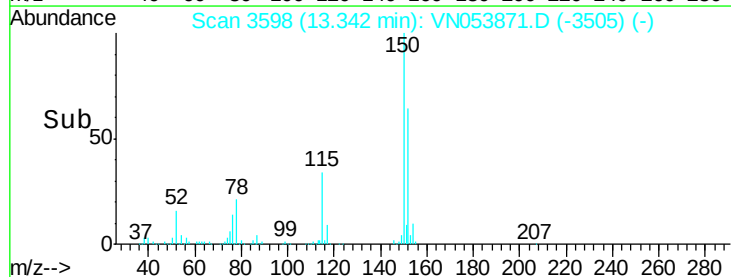
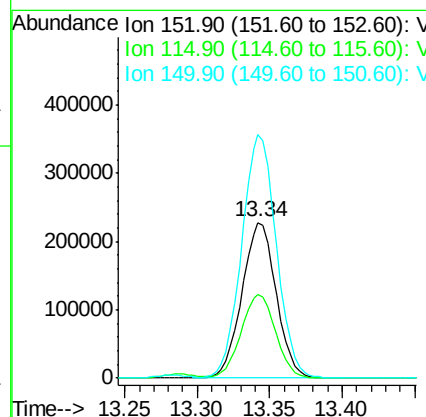
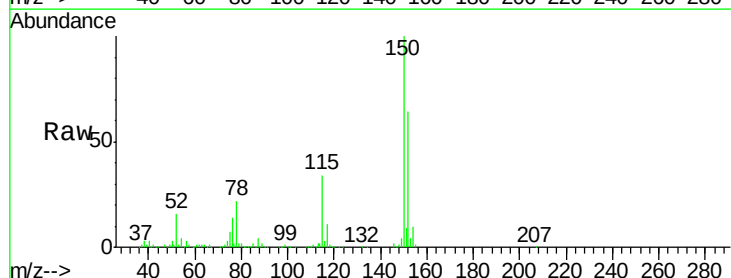
Manual Integrations
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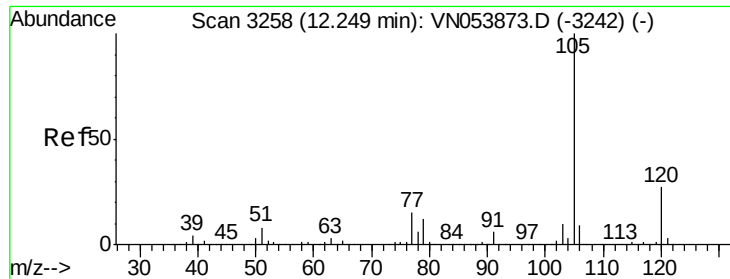
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.2	81.6
150	158.5	0.0	348.2





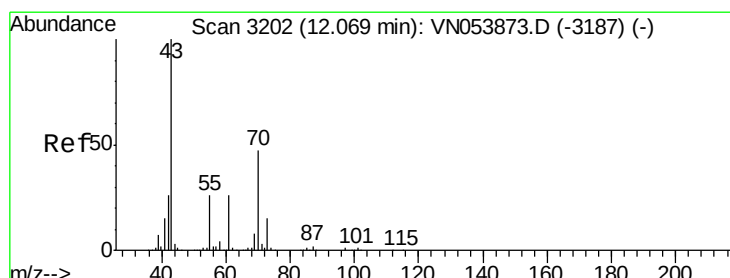
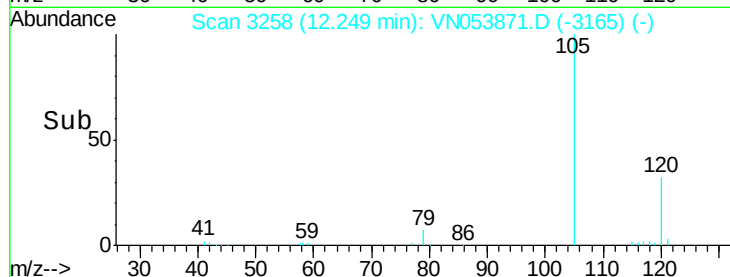
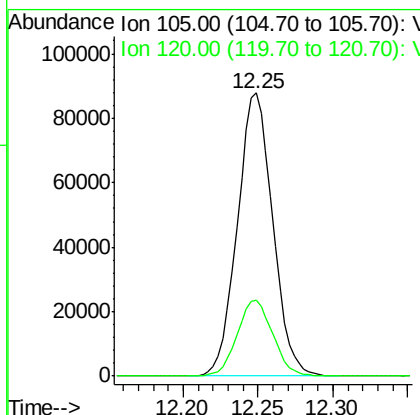
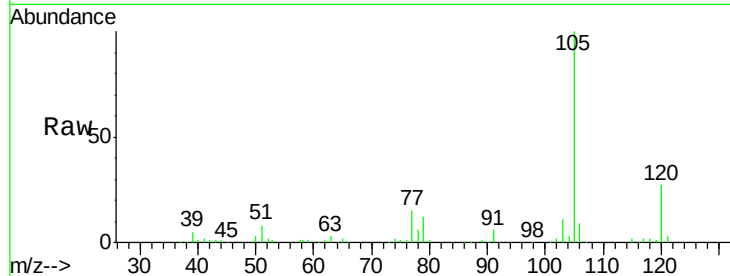
#73
Isopropylbenzene
Concen: 5.500 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.5	40.5

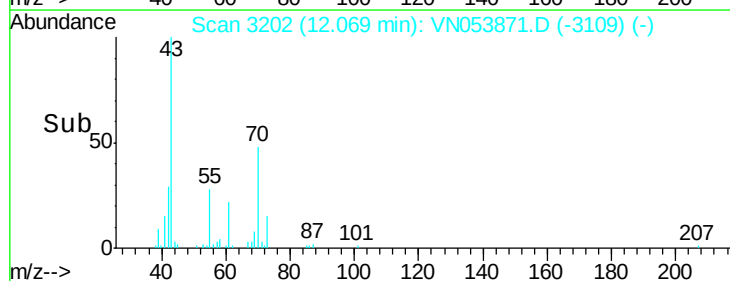
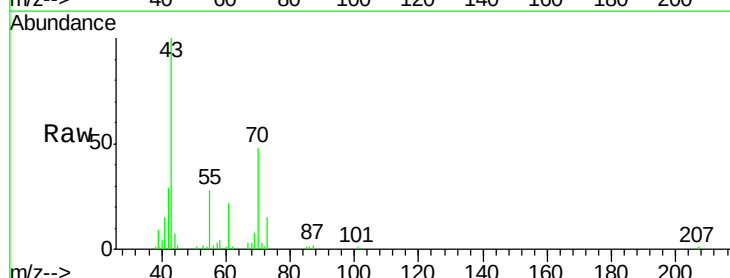
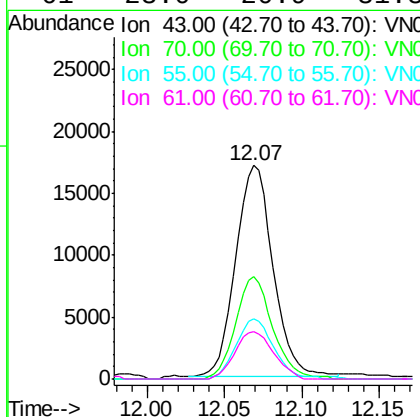
Manual Integrations
APPROVED

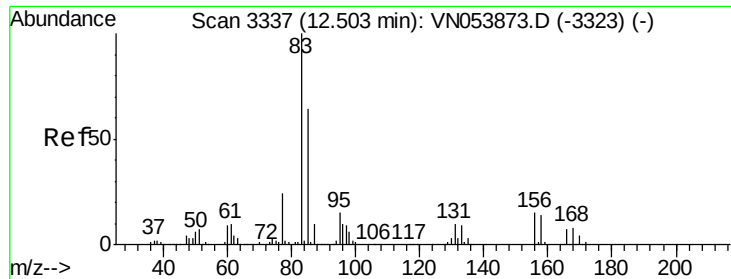
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2/21/2019 10:51:50 AM



#74
N-ethyl acetate
Concen: 4.777 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.6	37.4	56.2
55	28.4	21.4	32.0
61	23.0	20.9	31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 5.414 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Instrument :

MSVOA_N

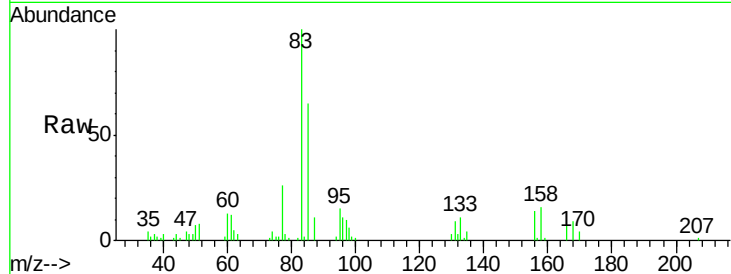
ClientSampled :

VSTDIC005

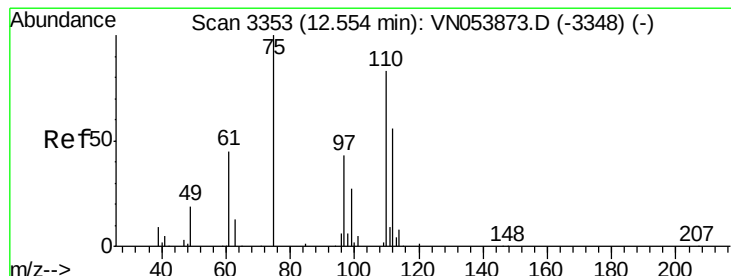
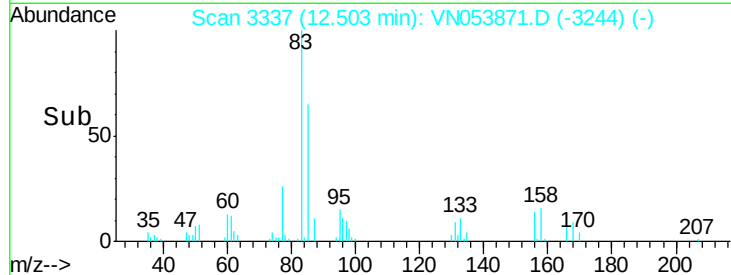
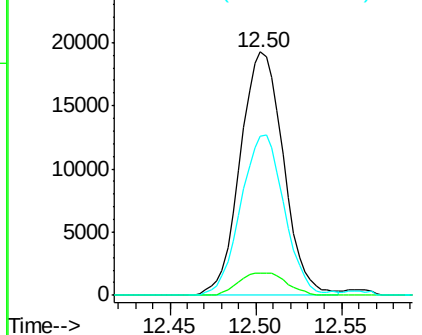
Tot Ion:	83	Resp:	33644
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.3	16.1
85	65.8	31.9	95.9

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN053871.D (-3323) (-)



#76

1,2,3-Trichloropropane

Concen: 5.996 ug/l m

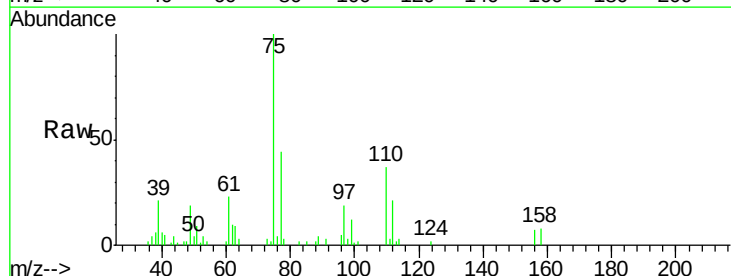
RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

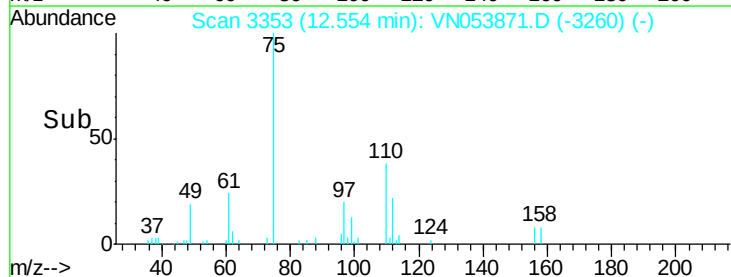
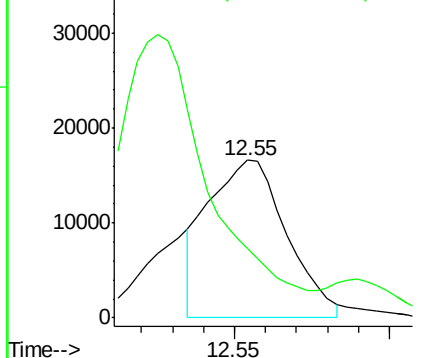
Lab File: VN053871.D

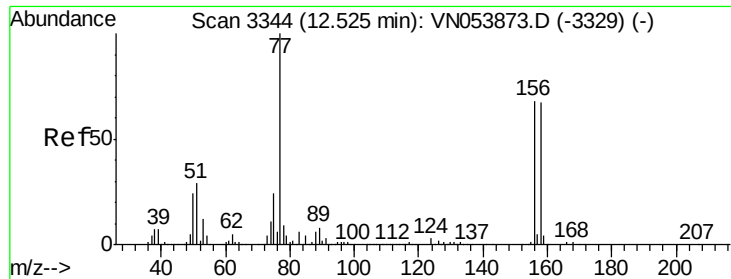
Acq: 20 Feb 2019 8:58

Tgt Ion:	75	Resp:	29220
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN053871.D (-3348) (-)





#77

Bromobenzene

Concen: 5.316 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Instrument :

MSVOA_N

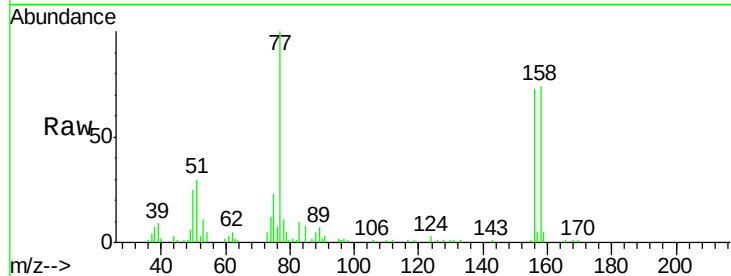
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.7	84.0	252.2
158	100.6	48.5	145.6

Manual Integrations
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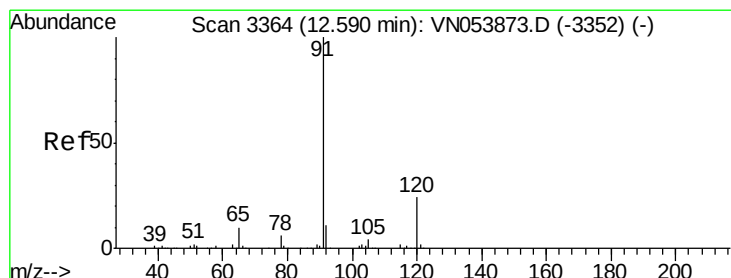
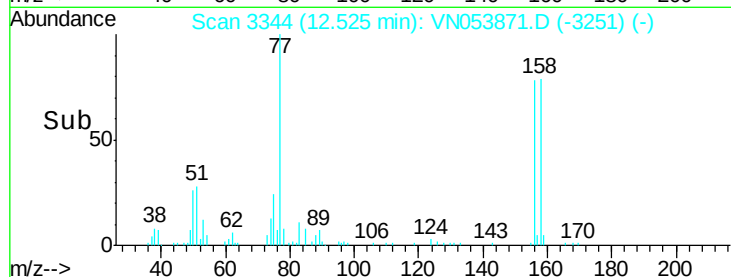
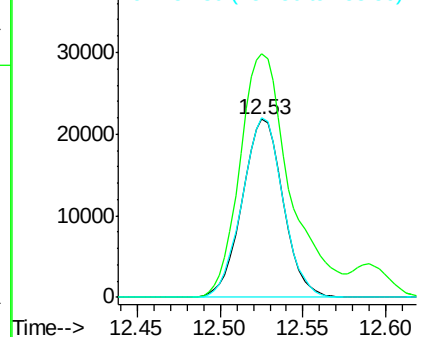
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.240 ug/l

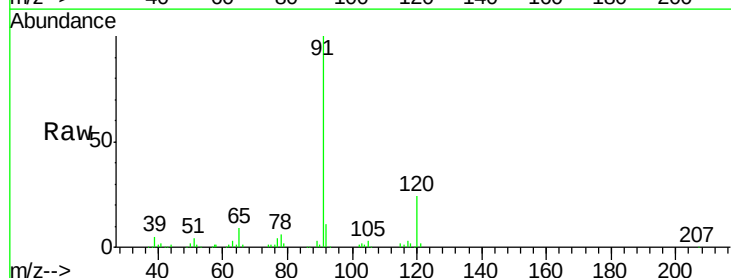
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN053871.D

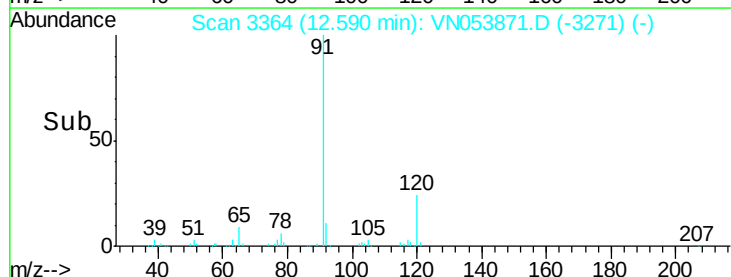
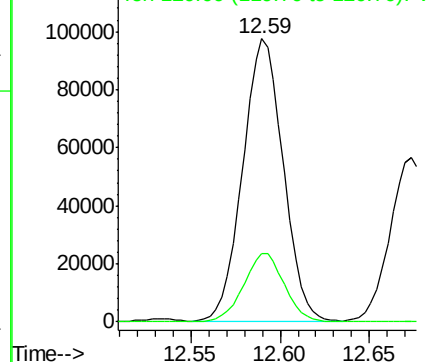
Acq: 20 Feb 2019 8:58

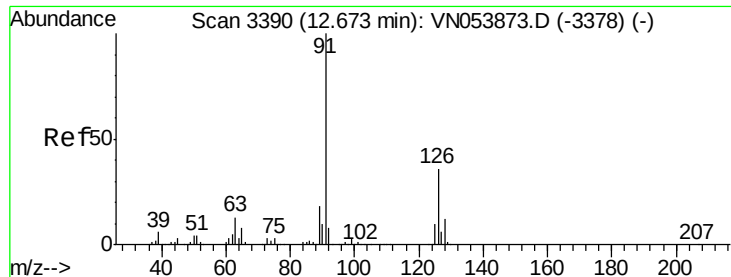
Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.357 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 94935

Ion Ratio Lower Upper

91 100

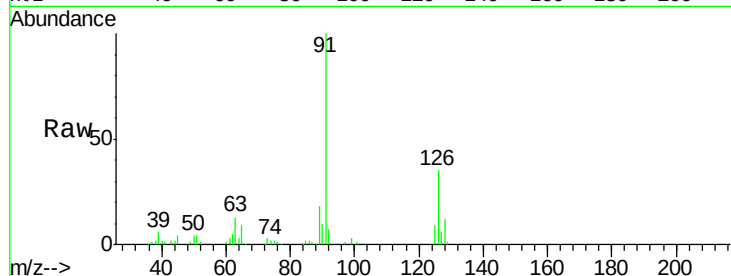
126 35.2 18.1 54.4

Manual Integrations

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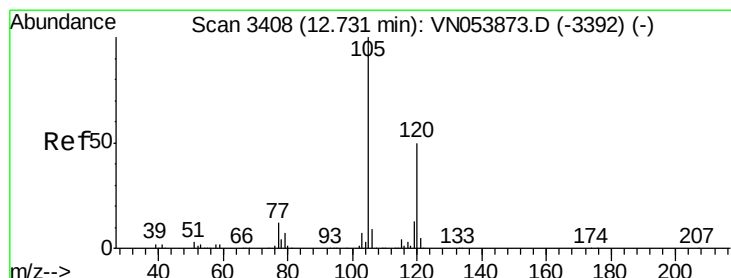
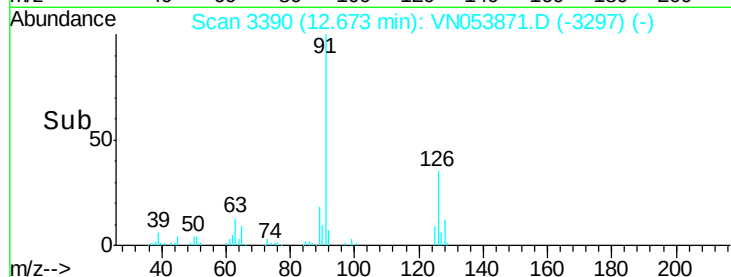
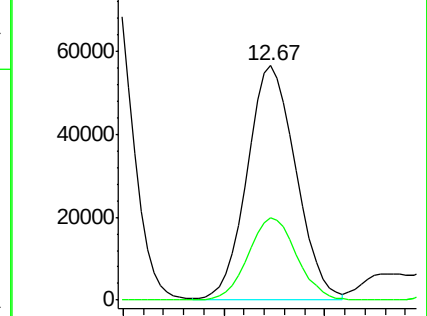
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Abundance Ion 91.00 (90.70 to 91.70): VN053871.D (-3390) (-)

Ion 125.90 (125.60 to 126.60): VN053871.D (-3390) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.489 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN053871.D

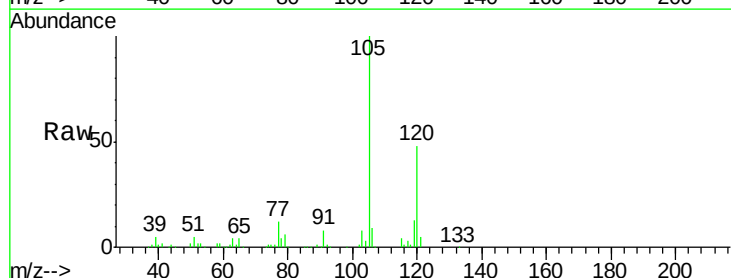
Acq: 20 Feb 2019 8:58

Tgt Ion: 105 Resp: 119754

Ion Ratio Lower Upper

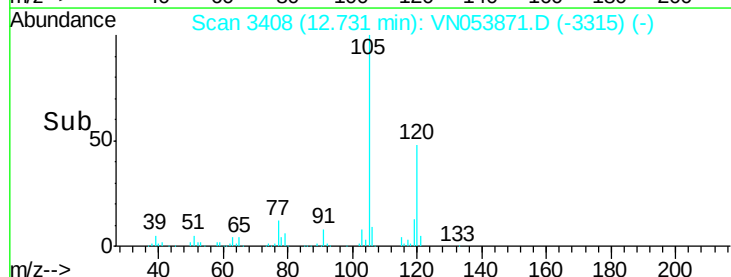
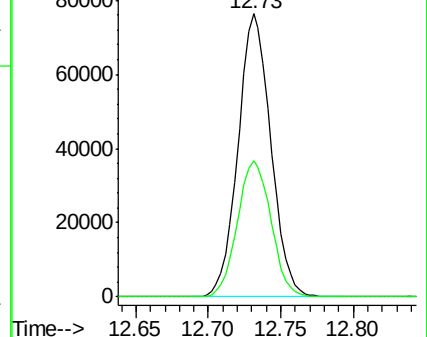
105 100

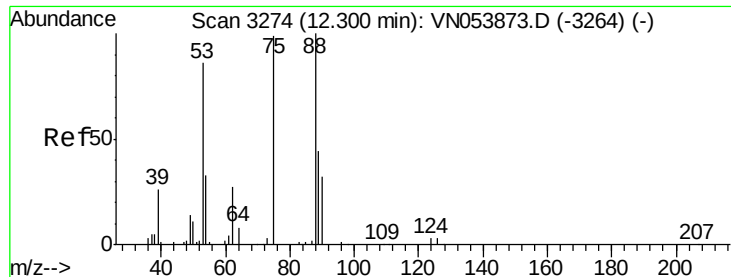
120 49.1 25.1 75.2



Abundance Ion 105.00 (104.70 to 105.70): VN053871.D (-3408) (-)

Ion 120.00 (119.70 to 120.70): VN053871.D (-3408) (-)





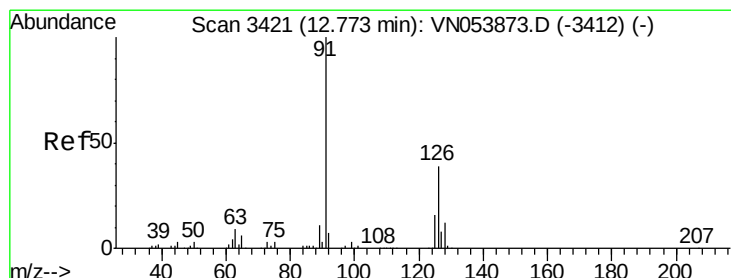
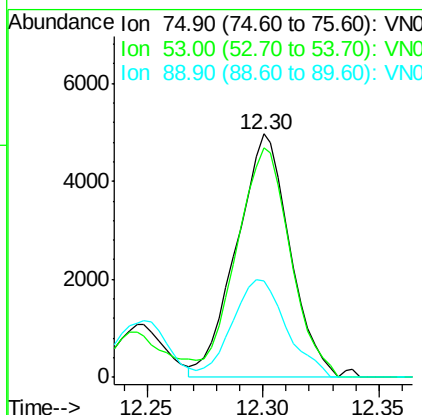
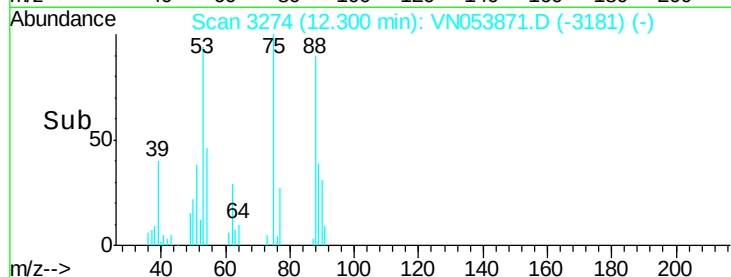
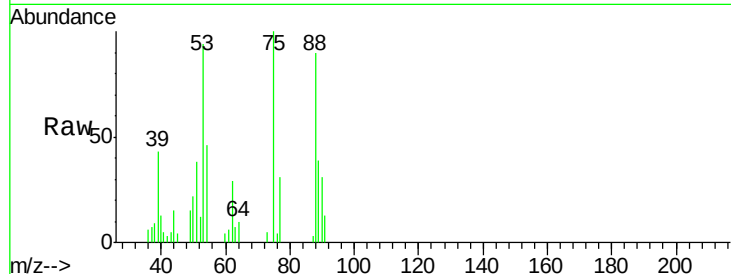
#81
trans-1,4-Dichloro-2-butene
Concen: 4.785 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.3	68.6	102.8
89	40.6	35.3	52.9

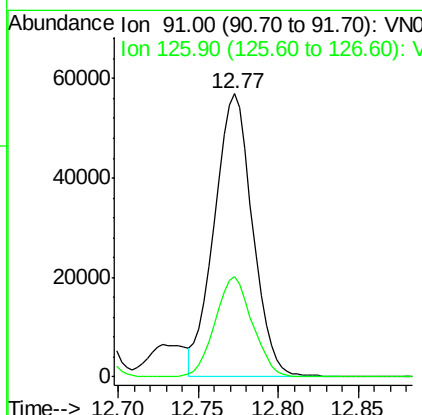
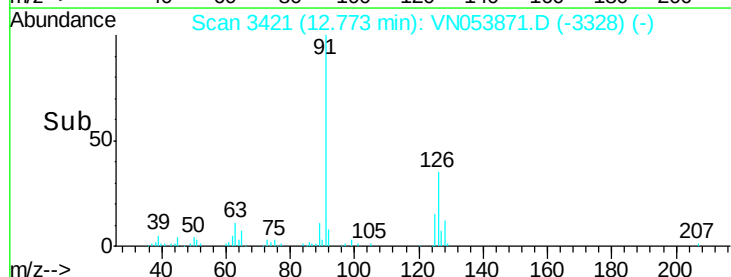
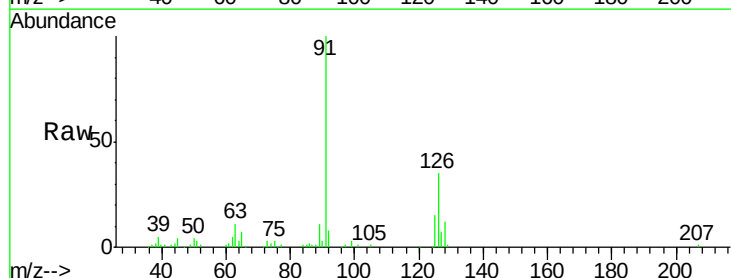
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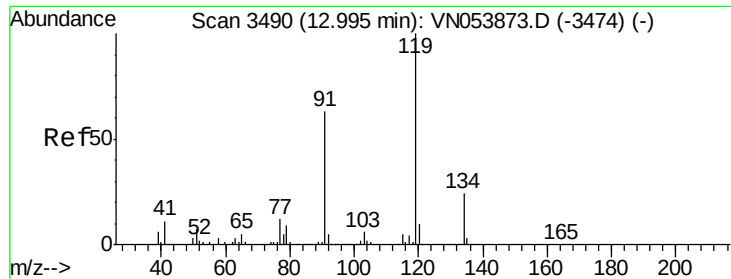
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#82
4-Chlorotoluene
Concen: 5.314 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.2	18.0	54.0





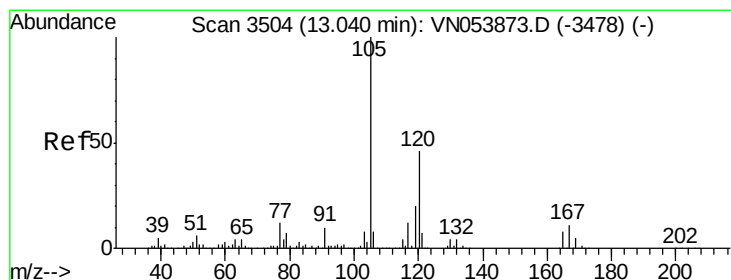
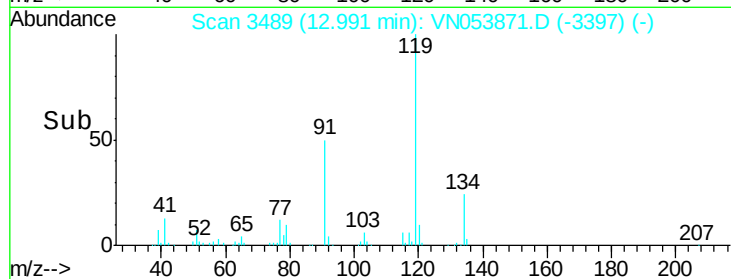
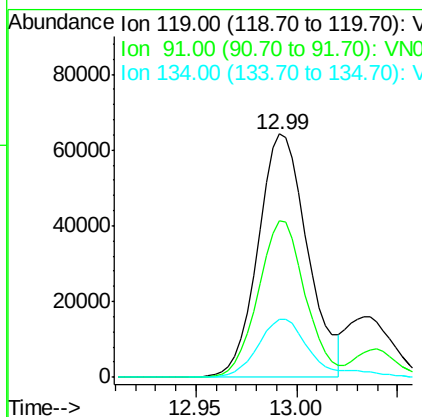
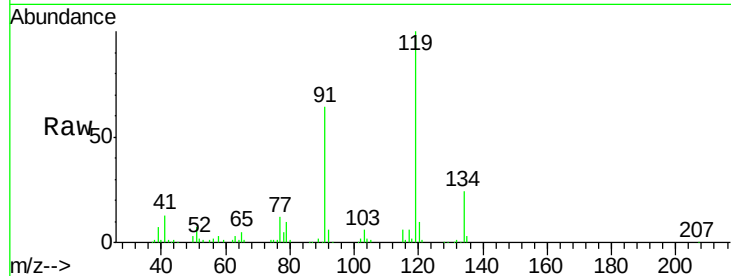
#83
 tert-Butylbenzene
 Concen: 5.600 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN053871.D
 Acq: 20 Feb 2019 8:58

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	30.6	91.8
134	25.7	13.0	39.0

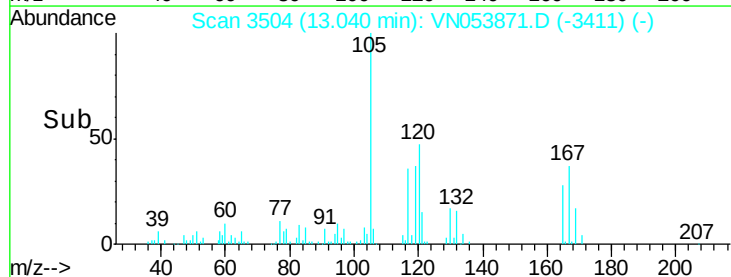
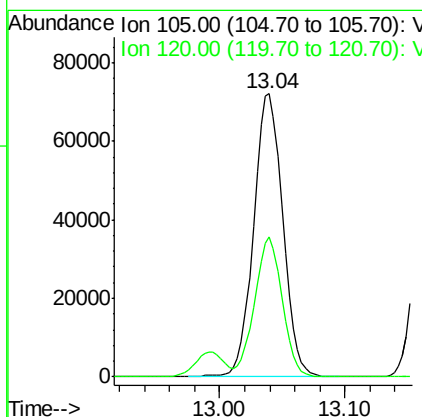
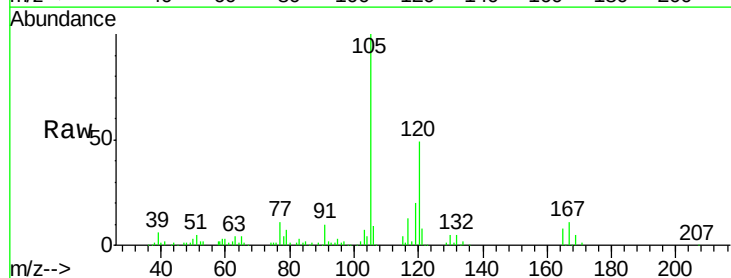
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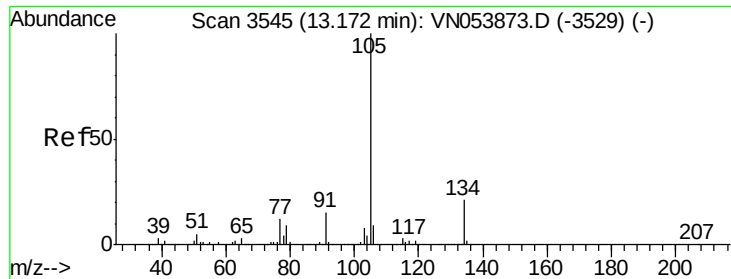
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#84
 1,2,4-Trimethylbenzene
 Concen: 5.347 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN053871.D
 Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.6	23.2	69.5





#85

sec-Butylbenzene

Concen: 5.524 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 145706

Ion Ratio Lower Upper

105 100

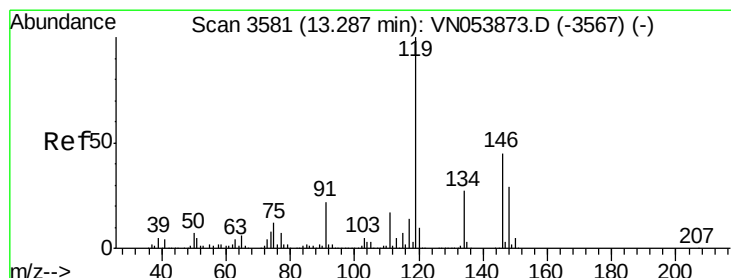
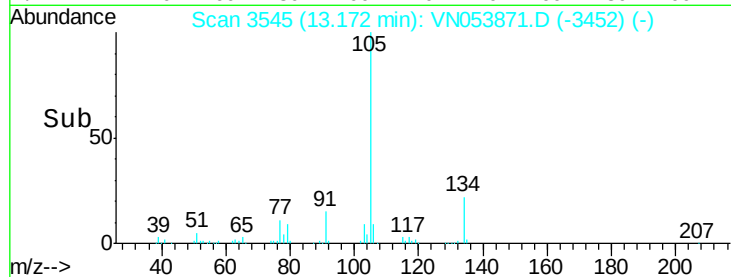
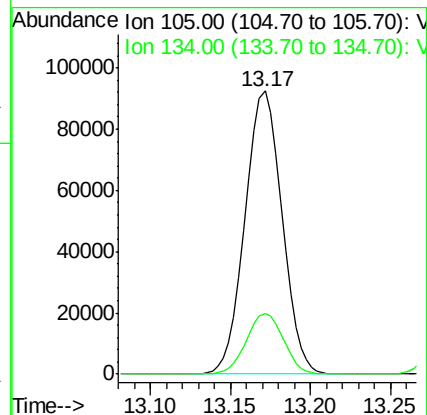
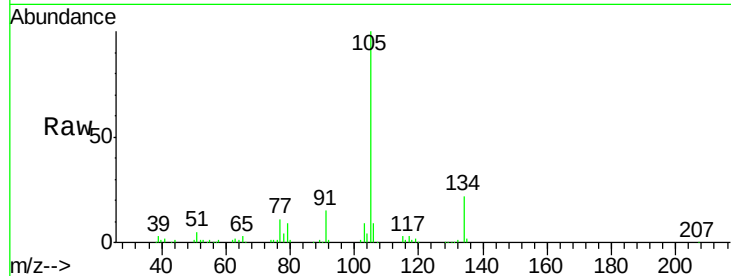
134 21.3 10.4 31.1

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 5.270 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN053871.D

Acq: 20 Feb 2019 8:58

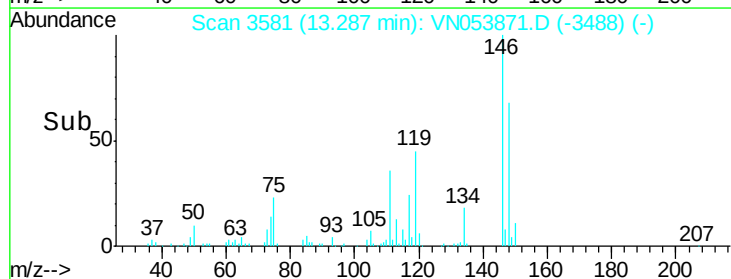
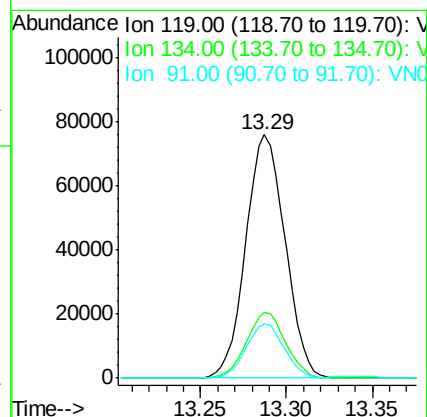
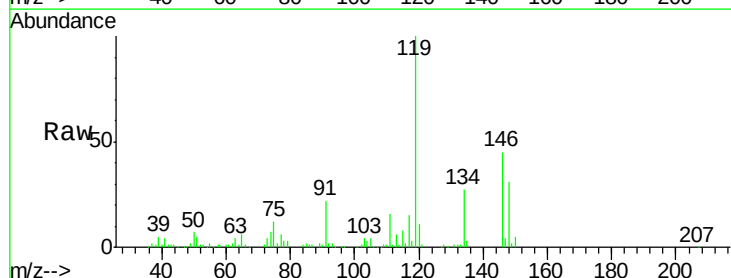
Tgt Ion:119 Resp: 120629

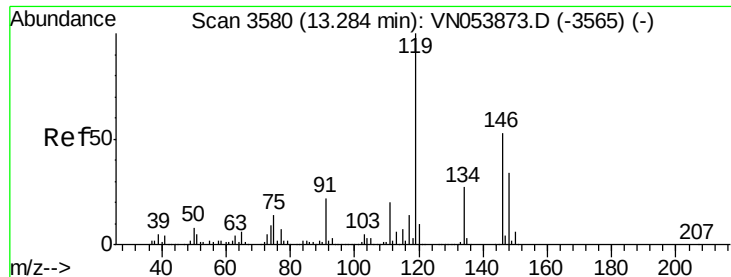
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 21.7 10.9 32.6





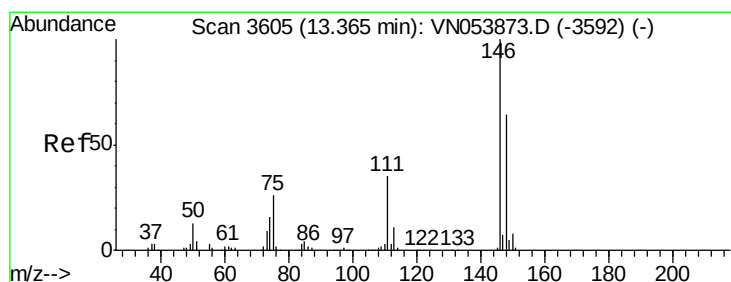
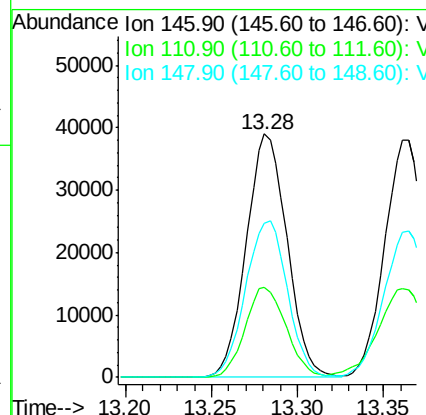
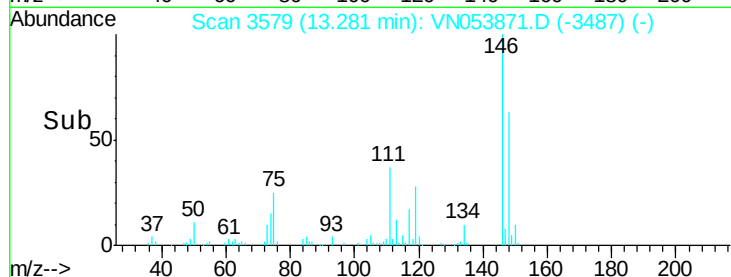
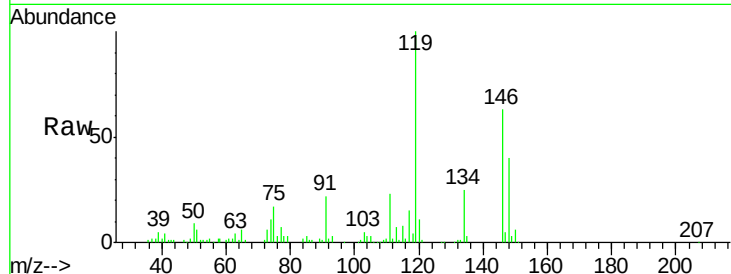
#87
 1,3-Dichlorobenzene
 Concen: 5.207 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN053871.D
 Acq: 20 Feb 2019 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.7	56.1
148	66.0	32.0	96.2

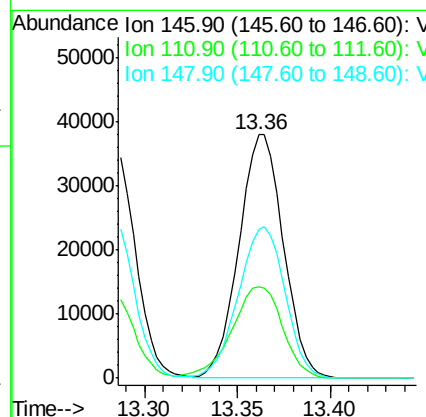
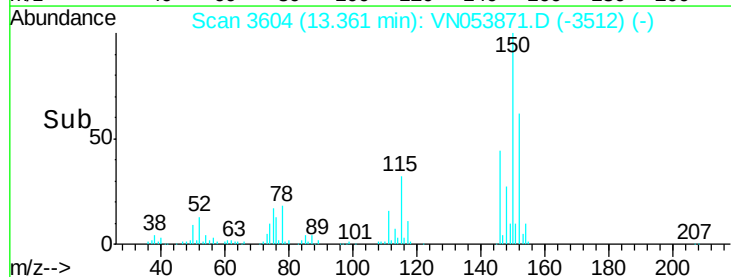
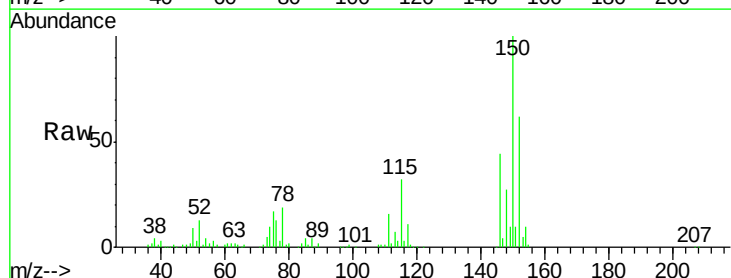
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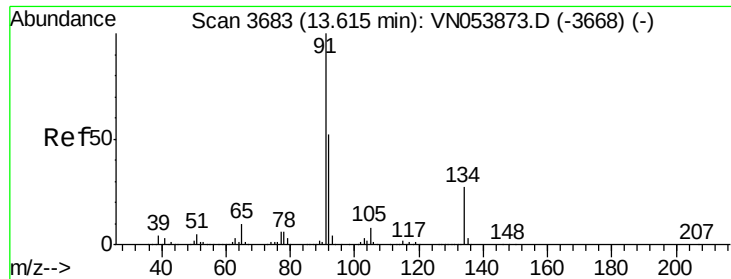
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#88
 1,4-Dichlorobenzene
 Concen: 5.095 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN053871.D
 Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	18.0	54.0
148	65.5	32.1	96.5





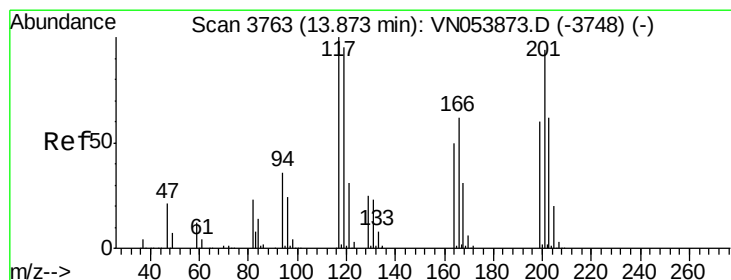
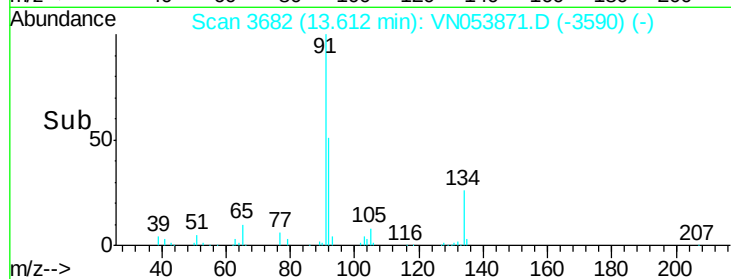
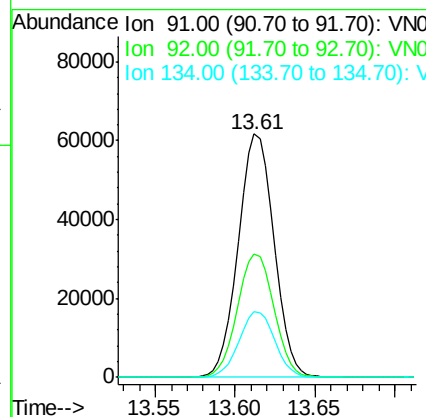
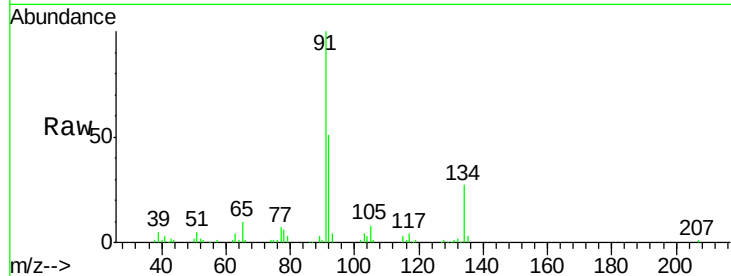
#89
n-Butylbenzene
Concen: 4.996 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.2
134	26.8	13.6	40.8

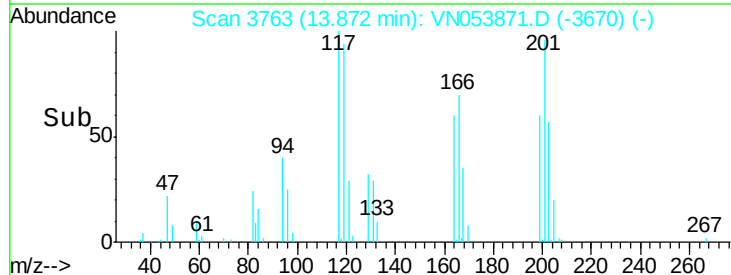
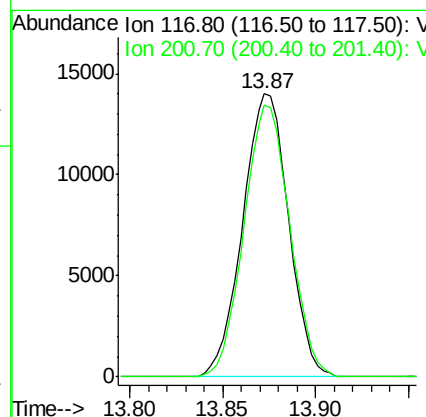
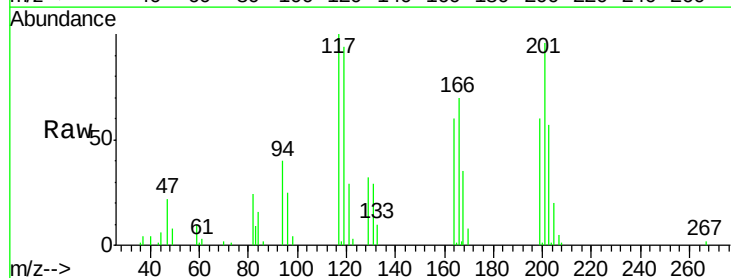
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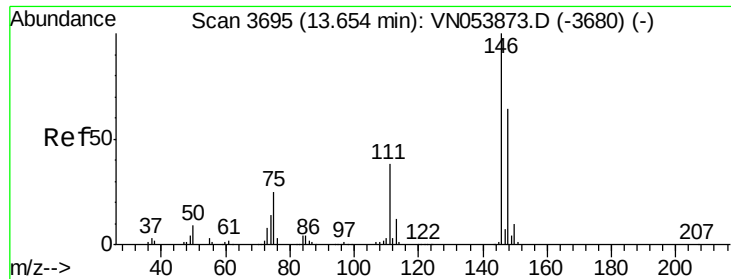
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#90
Hexachloroethane
Concen: 5.512 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	96.0	48.0	144.2





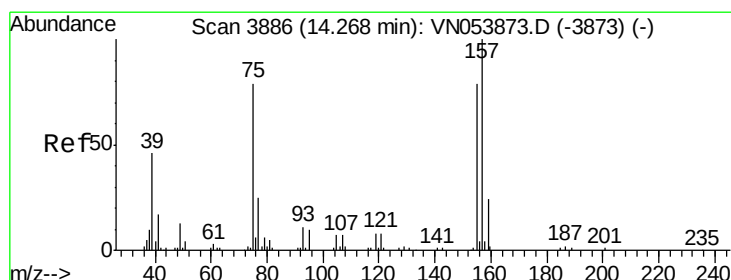
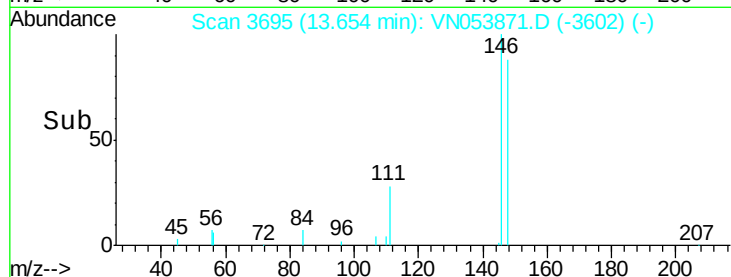
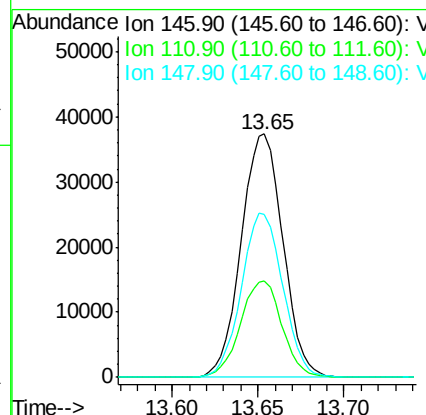
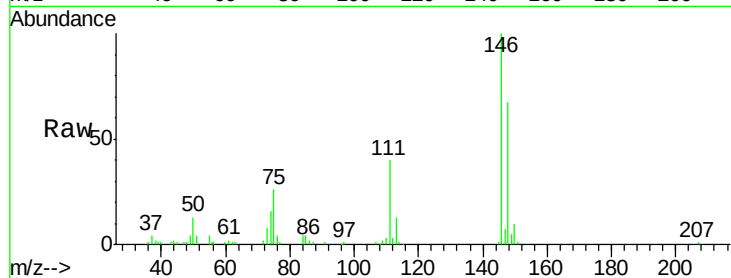
#91
 1,2-Dichlorobenzene
 Concen: 5.237 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN053871.D
 Acq: 20 Feb 2019 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.1	57.5
148	66.8	32.1	96.5

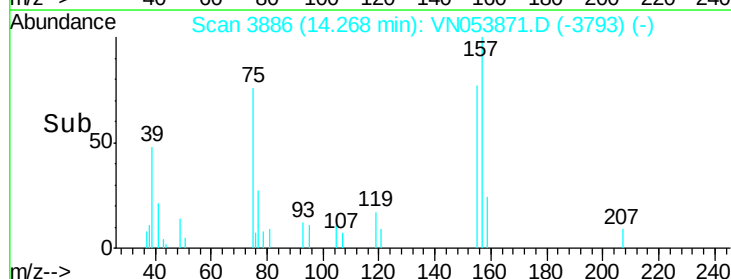
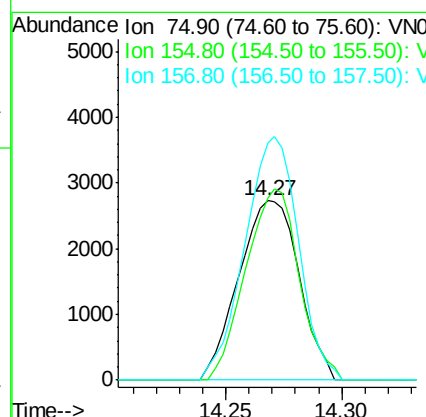
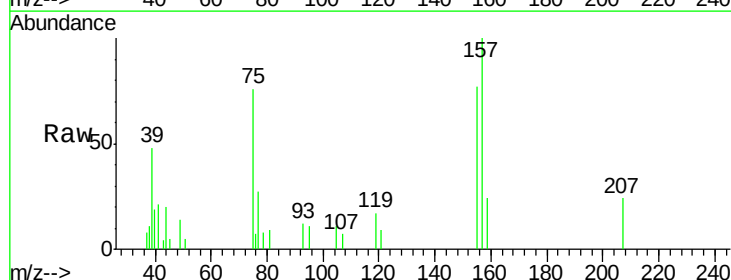
Manual Integrations
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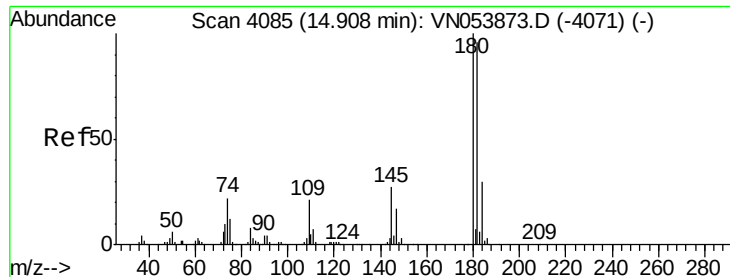
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 2/21/2019 10:51:50 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.437 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053871.D
 Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	49.5	148.5
157	120.9	64.8	194.6





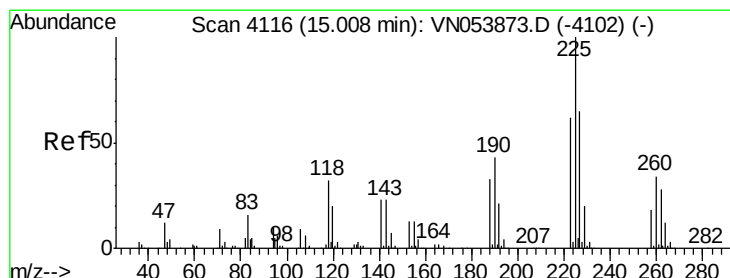
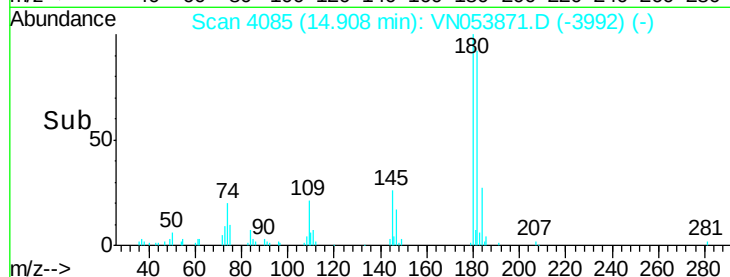
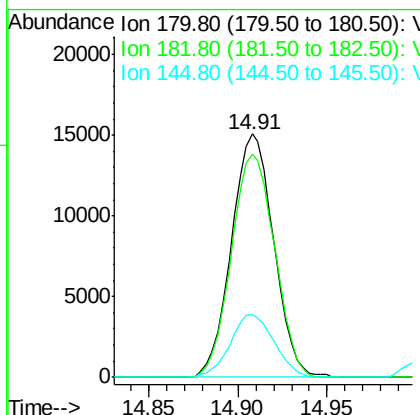
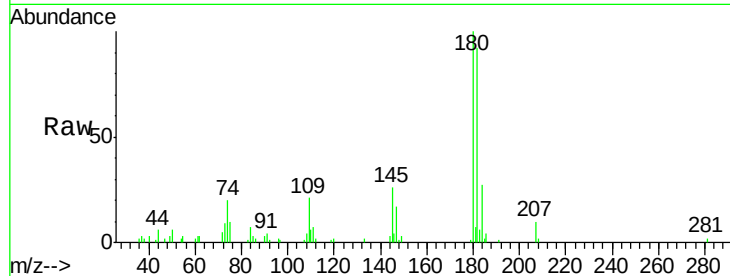
#93
 1,2,4-Trichlorobenzene
 Concen: 3.995 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN053871.D
 Acq: 20 Feb 2019 8:58

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100	24745		
182	94.2	48.6	145.9	
145	26.8	13.8	41.3	

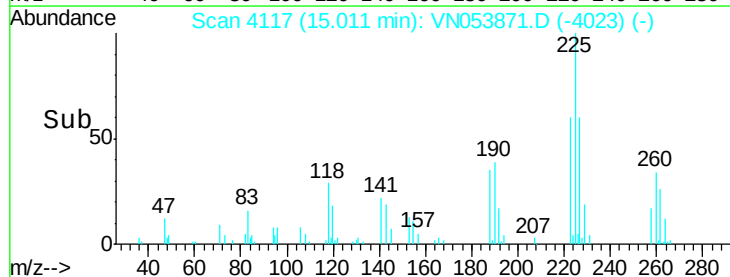
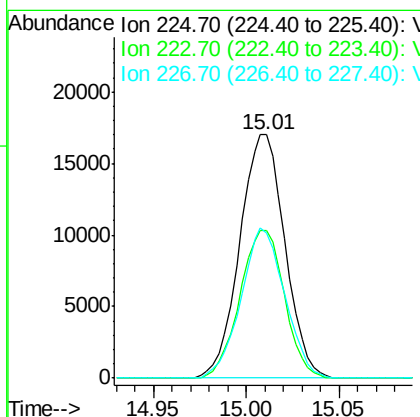
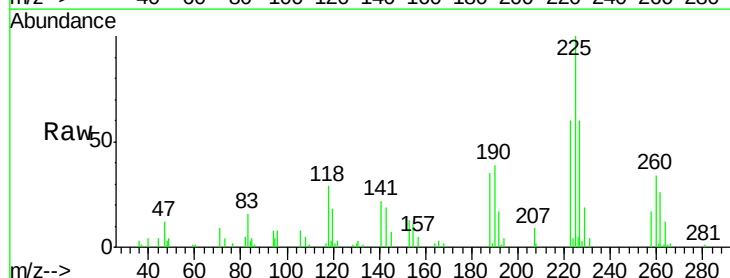
Manual Integrations
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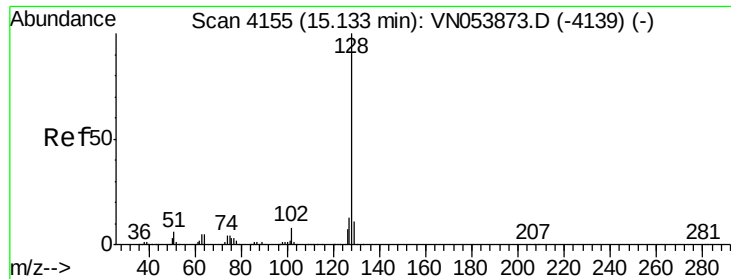
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 2/21/2019 10:51:50 AM



#94
 Hexachlorobutadiene
 Concen: 5.727 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053871.D
 Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	28830		
223	59.7	30.9	92.5	
227	59.7	32.5	97.4	





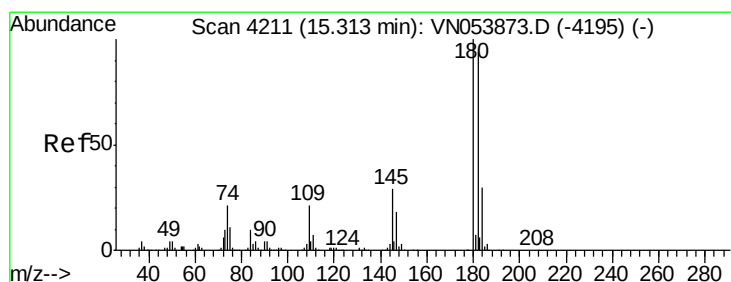
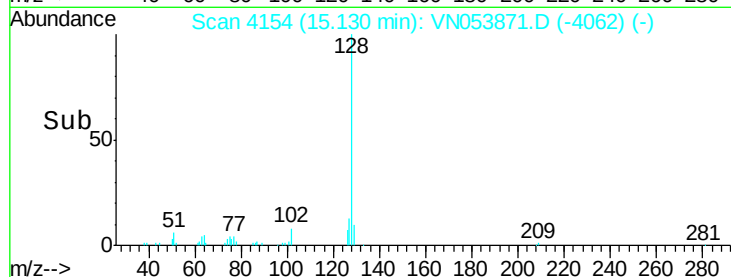
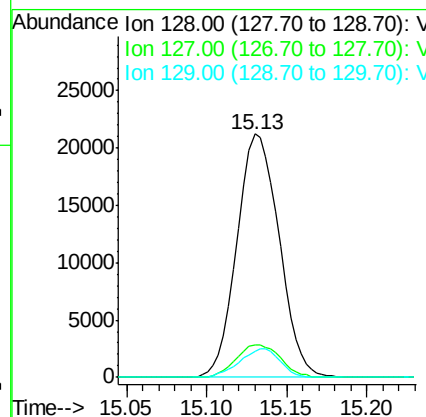
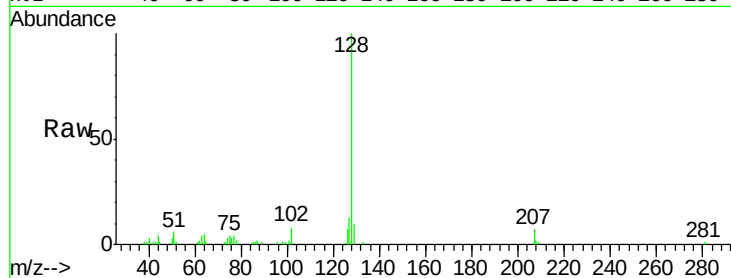
#95
Naphthalene
Concen: 3.304 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.2	15.2
129	11.2	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
2/21/2019 10:51:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 4.149 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN053871.D
Acq: 20 Feb 2019 8:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.8	47.3	141.8
145	27.8	14.4	43.0

