

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN120318\
 Data File : VN052632.D
 Acq On : 3 Dec 2018 15:36
 Operator : MD\SY
 Sample : VN1203WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/4/2018 2:56:54 PM

Quant Time: Dec 04 01:12:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	961339	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1505997	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1331637	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	589133	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	524148	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
35) Dibromofluoromethane	7.59	113	474653	51.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.24%	
50) Toluene-d8	10.09	98	1797745	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.40	95	601971	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	158124	17.567	ug/l	98
3) Chloromethane	2.06	50	209012	17.591	ug/l	100
4) Vinyl Chloride	2.19	62	218400	17.894	ug/l	99
5) Bromomethane	2.57	94	132953	17.458	ug/l	97
6) Chloroethane	2.71	64	132233	17.886	ug/l	98
7) Trichlorofluoromethane	3.02	101	278721	18.590	ug/l	96
8) Diethyl Ether	3.41	74	107777	19.466	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	175810	18.793	ug/l	99
10) Methyl Iodide	3.96	142	245123	19.672	ug/l	99
11) Tert butyl alcohol	4.79	59	59252	113.072	ug/l	97
12) 1,1-Dichloroethene	3.74	96	165355	18.362	ug/l	97
13) Acrolein	3.61	56	60173	66.070	ug/l	99
14) Allyl chloride	4.33	41	279979	18.039	ug/l	97
15) Acrylonitrile	4.99	53	326829	98.528	ug/l	99
16) Acetone	3.82	43	232435	84.190	ug/l	100
17) Carbon Disulfide	4.06	76	465507	16.426	ug/l	99
18) Methyl Acetate	4.33	43	160291	20.240	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	470172	19.624	ug/l	97
20) Methylene Chloride	4.55	84	198174	18.343	ug/l	99
21) trans-1,2-Dichloroethene	5.05	96	177320	18.437	ug/l	98
22) Diisopropyl ether	5.95	45	611651	18.762	ug/l	99
23) Vinyl Acetate	5.90	43	1923124	94.708	ug/l	99
24) 1,1-Dichloroethane	5.85	63	348580	18.726	ug/l	99
25) 2-Butanone	6.84	43	366317	93.611	ug/l	98
26) 2,2-Dichloropropane	6.83	77	222024	17.232	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	209121	18.666	ug/l	98
28) Bromochloromethane	7.20	49	150793	17.736	ug/l	93
29) Tetrahydrofuran	7.21	42	250678	99.318	ug/l	98
30) Chloroform	7.37	83	342063	18.419	ug/l	98
31) Cyclohexane	7.66	56	324036	17.750	ug/l	# 93
32) 1,1,1-Trichloroethane	7.57	97	283819	19.289	ug/l	98
36) 1,1-Dichloropropene	7.80	75	254499	17.895	ug/l	98
37) Ethyl Acetate	6.93	43	167578	19.308	ug/l	99
38) Carbon Tetrachloride	7.78	117	243521	18.915	ug/l	99

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Manual Integrations
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Quant Time: Dec 04 01:12:45 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	309085	17.881	ug/l	98
40) Benzene	8.04	78	797712	18.822	ug/l	100
41) Methacrylonitrile	7.18	41	88429	18.636	ug/l	93
42) 1,2-Dichloroethane	8.13	62	245826	19.156	ug/l	99
43) Isopropyl Acetate	8.17	43	303692	20.676	ug/l	97
44) Trichloroethene	8.84	130	204287	18.817	ug/l	99
45) 1,2-Dichloropropane	9.12	63	208982	18.546	ug/l	99
46) Dibromomethane	9.21	93	122558	19.648	ug/l	99
47) Bromodichloromethane	9.40	83	256792	18.935	ug/l	100
48) Methyl methacrylate	9.20	41	148899	19.442	ug/l	100
49) 1,4-Dioxane	9.20	88	36394	457.874	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	826956	100.347	ug/l	100
52) Toluene	10.16	92	492888	19.573	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	246319	18.879	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	293839	18.793	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	176802	19.960	ug/l	99
56) Ethyl methacrylate	10.43	69	222359	19.798	ug/l	98
57) 1,3-Dichloropropane	10.71	76	300617	19.221	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	646464	100.580	ug/l	99
59) 2-Hexanone	10.75	43	539997	97.632	ug/l	99
60) Dibromochloromethane	10.90	129	190296	19.781	ug/l	99
61) 1,2-Dibromoethane	11.01	107	174239	19.805	ug/l	99
64) Tetrachloroethene	10.63	164	203175	19.679	ug/l	97
65) Chlorobenzene	11.44	112	532688	19.400	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	184805	19.357	ug/l	99
67) Ethyl Benzene	11.51	91	909785	18.921	ug/l	99
68) m/p-Xylenes	11.62	106	686085	38.328	ug/l	99
69) o-Xylene	11.95	106	335096	19.277	ug/l	100
70) Styrene	11.97	104	537999	19.432	ug/l	100
71) Bromoform	12.13	173	127587	20.183	ug/l #	98
73) Isopropylbenzene	12.25	105	901812	19.511	ug/l	99
74) N-amyl acetate	12.07	43	234754	20.104	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	214454	20.396	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	181656m	19.996	ug/l	
77) Bromobenzene	12.53	156	222415	19.468	ug/l	98
78) n-propylbenzene	12.59	91	1010053	19.236	ug/l	100
79) 2-Chlorotoluene	12.68	91	603254	19.292	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	726685	19.713	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	51721	19.012	ug/l	96
82) 4-Chlorotoluene	12.77	91	593839	18.843	ug/l	98
83) tert-Butylbenzene	12.99	119	638630	19.433	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	728755	19.726	ug/l	99
85) sec-Butylbenzene	13.17	105	874674	19.541	ug/l	99
86) p-Isopropyltoluene	13.29	119	741190	19.441	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	384624	19.246	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	380100	19.310	ug/l	99
89) n-Butylbenzene	13.62	91	596911	18.826	ug/l	99
90) Hexachloroethane	13.88	117	122670	19.003	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	380880	19.949	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	30763	20.457	ug/l	99

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ALS Vial : 15 Sample Multiplier: 28

Instrument :
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ClientSampleId :
VN1203WBSD01

Manual Integrations
APPROVED

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12/4/2018 2:56:54 PM

Quant Time: Dec 04 01:12:45 2018
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Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	180730	19.131	ug/l	99
94) Hexachlorobutadiene	15.01	225	116866	19.027	ug/l	99
95) Naphthalene	15.14	128	375020	19.177	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	172134	19.651	ug/l	99

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

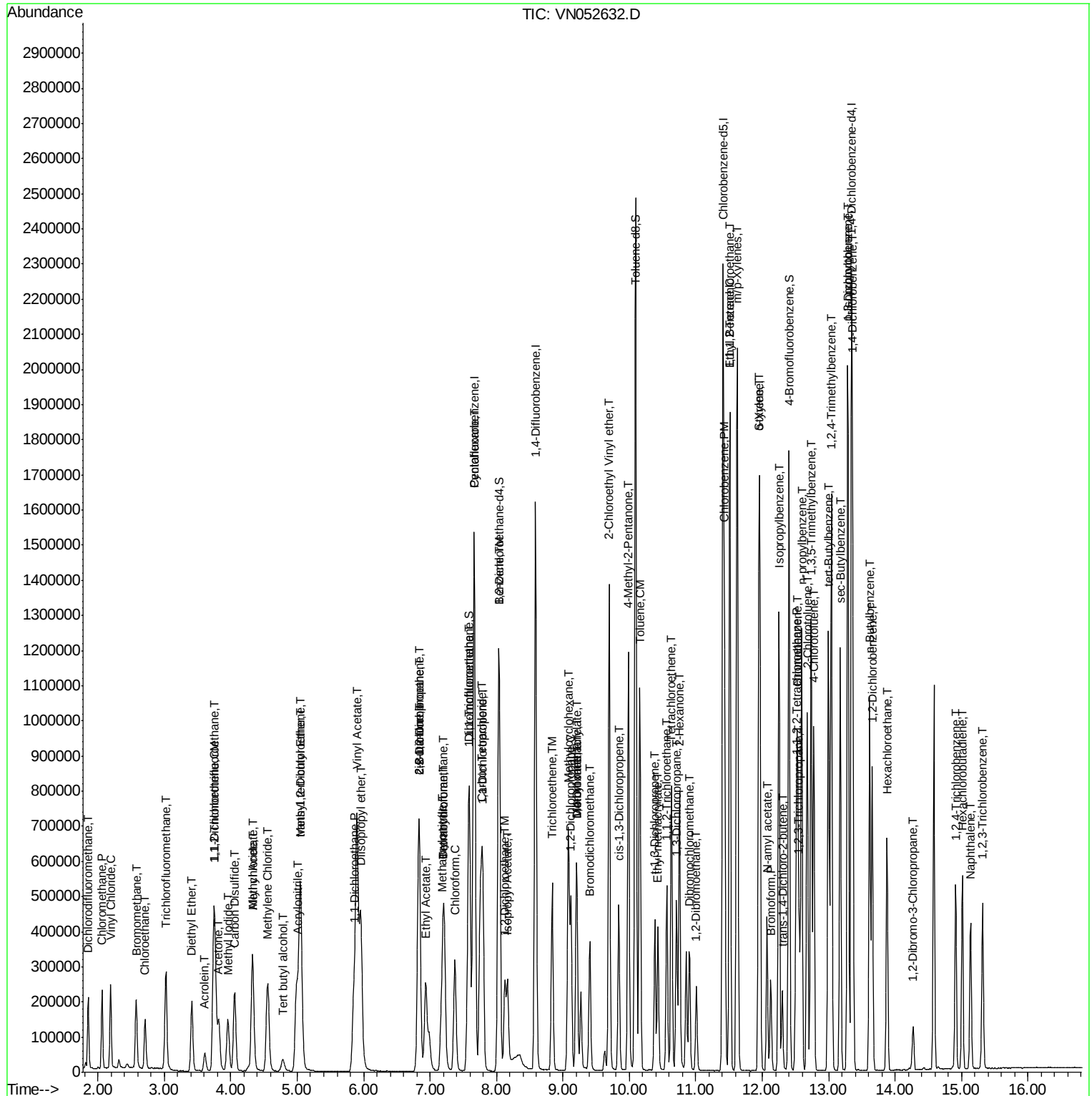
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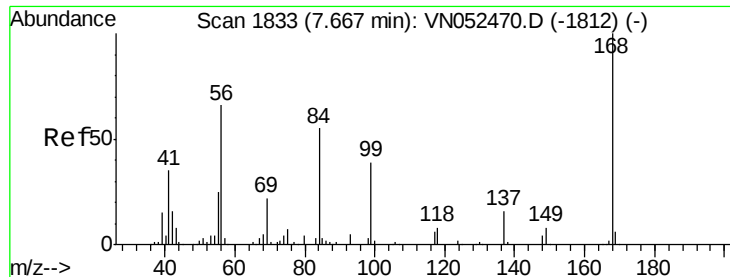
Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Manual Integrations
APPROVED

MMDadoda
12/4/2018 2:56:54 PM

Quant Time: Dec 04 01:12:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD01

Tot Ion:168 Resp: 961339

Ion Ratio Lower Upper

168 100

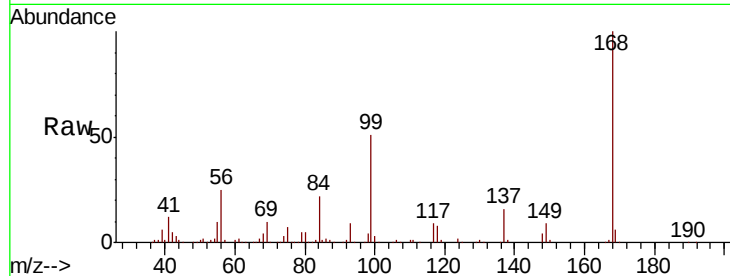
99 51.2 41.7 62.5

Manual Integrations

APPROVED

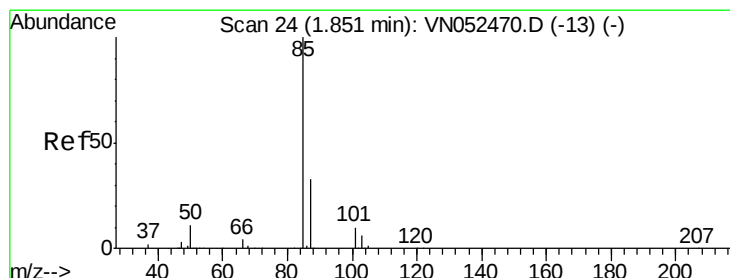
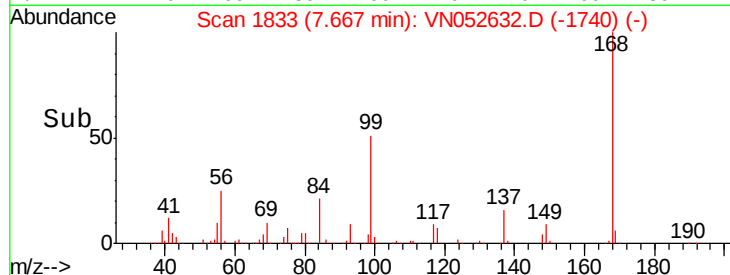
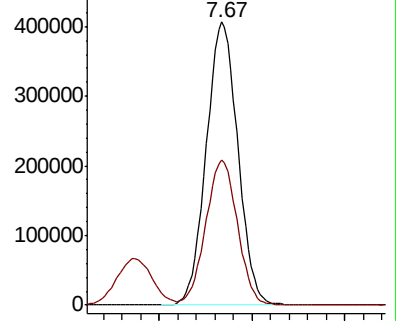
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 17.567 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052632.D

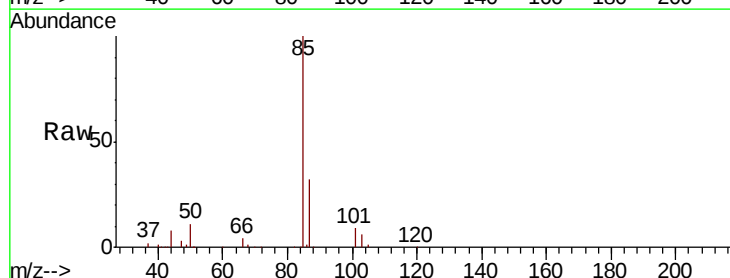
Acq: 3 Dec 2018 15:36

Tgt Ion: 85 Resp: 158124

Ion Ratio Lower Upper

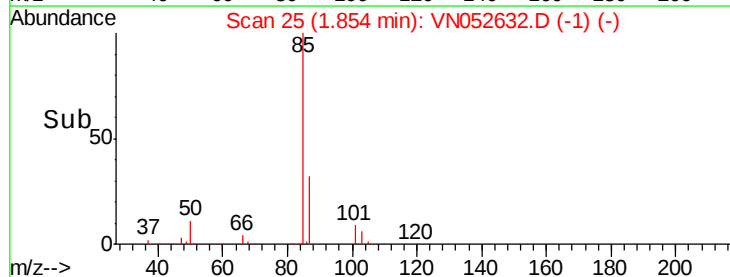
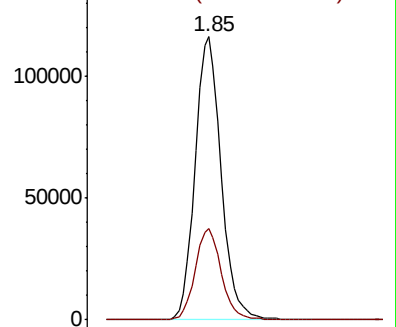
85 100

87 32.1 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





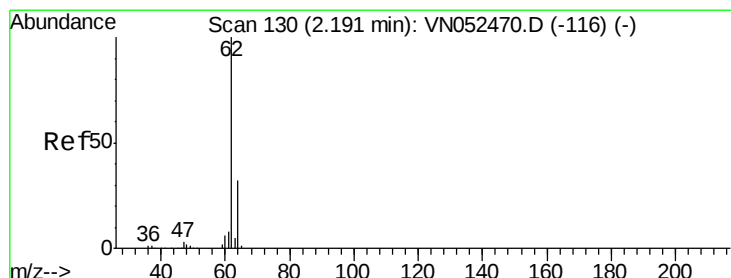
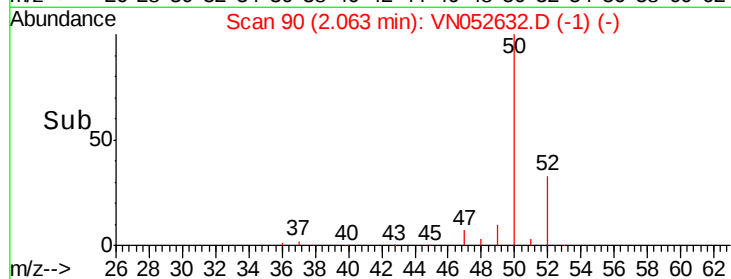
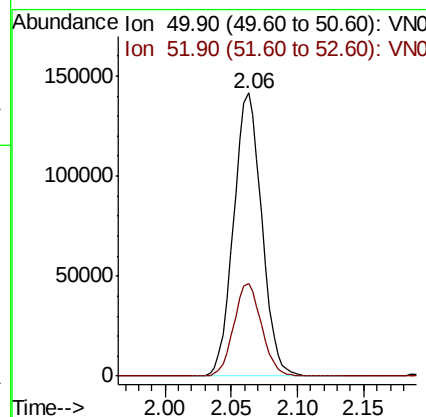
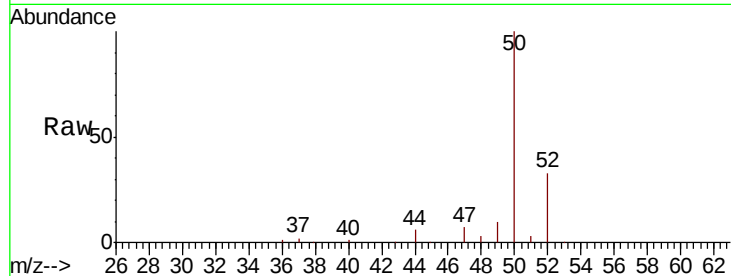
#3
Chloromethane
Concen: 17.591 ug/l
RT: 2.06 min Scan# 90
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.7	25.9	38.9

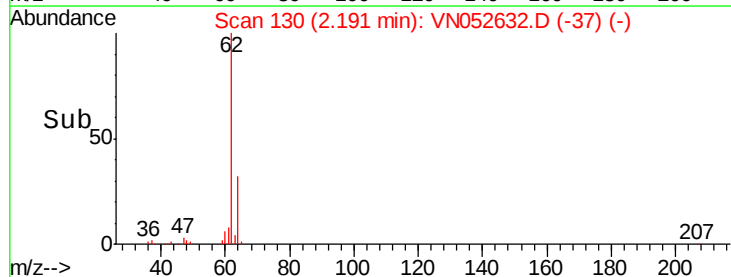
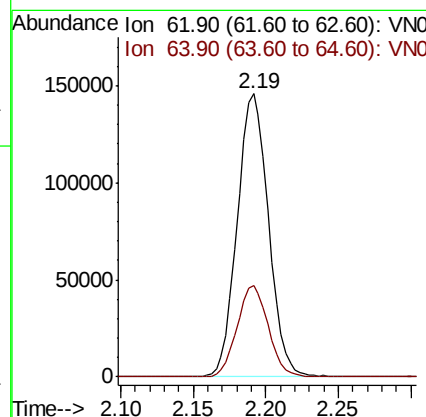
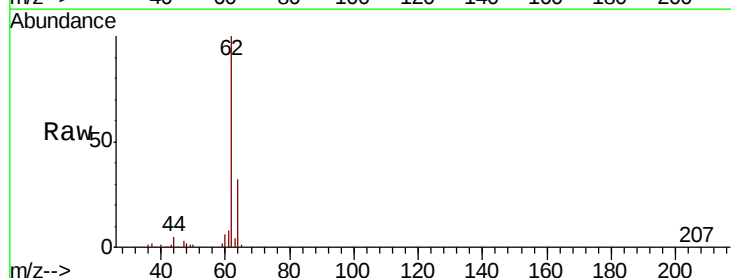
Manual Integrations
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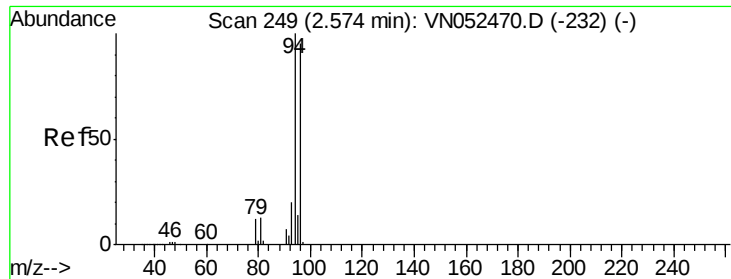
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#4
Vinyl Chloride
Concen: 17.894 ug/l
RT: 2.19 min Scan# 130
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.2	25.4	38.2





#5

Bromomethane

Concen: 17.458 ug/l

RT: 2.57 min Scan# 249

Delta R.T. -0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD01

Tot Ion: 94 Resp: 132953

Ion Ratio Lower Upper

94 100

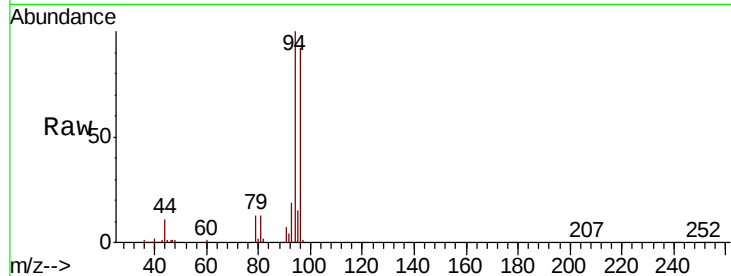
96 91.5 75.8 113.8

Manual Integrations

APPROVED

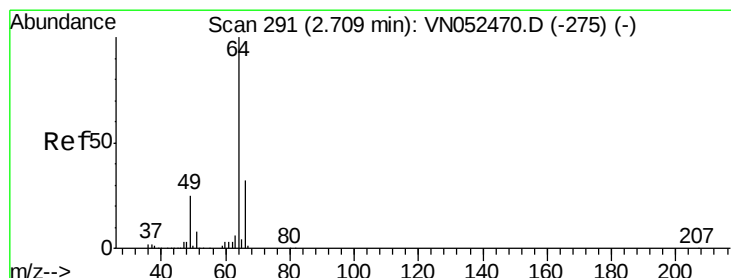
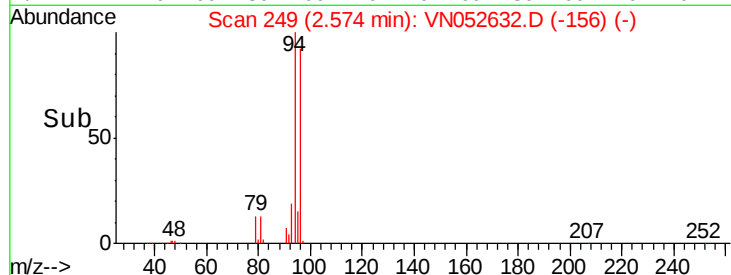
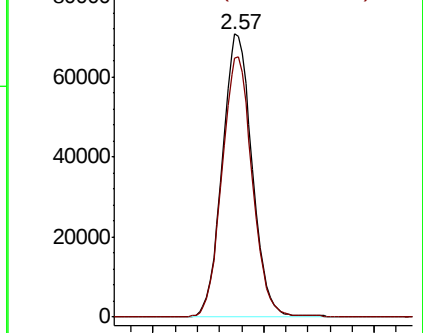
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.886 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052632.D

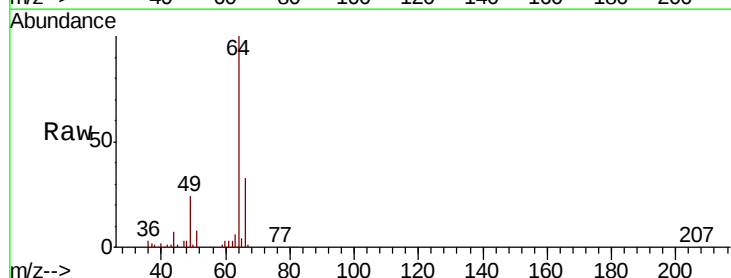
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Tgt Ion: 64 Resp: 132233

Ion Ratio Lower Upper

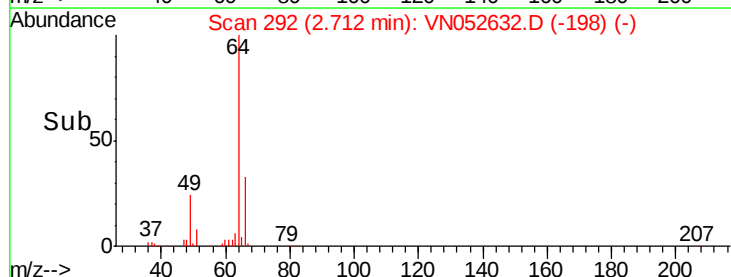
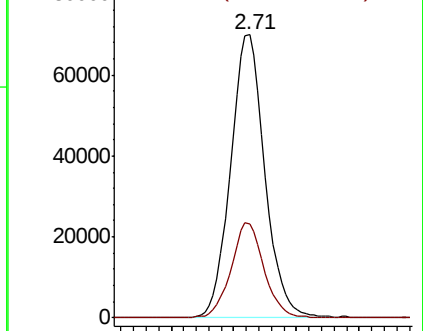
64 100

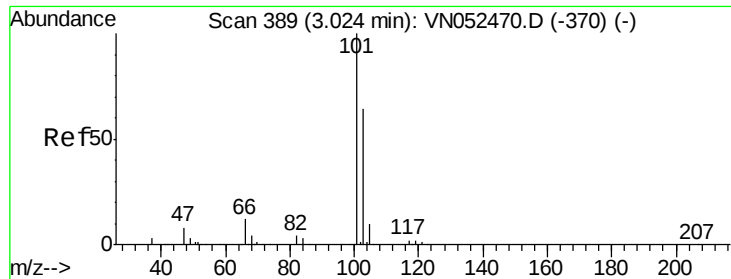
66 33.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

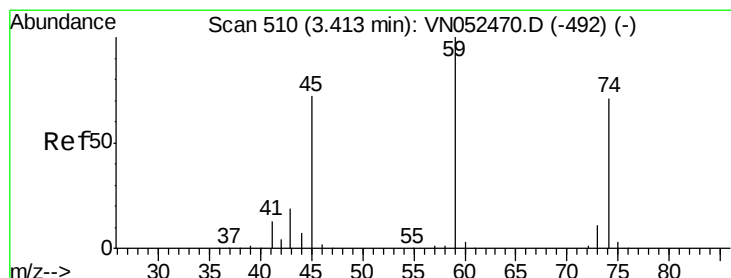
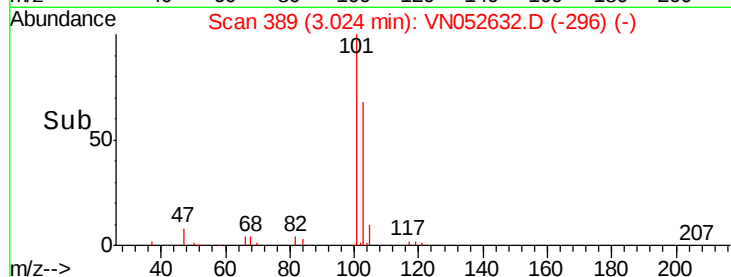
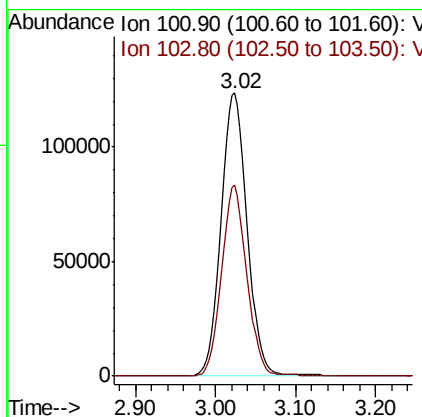
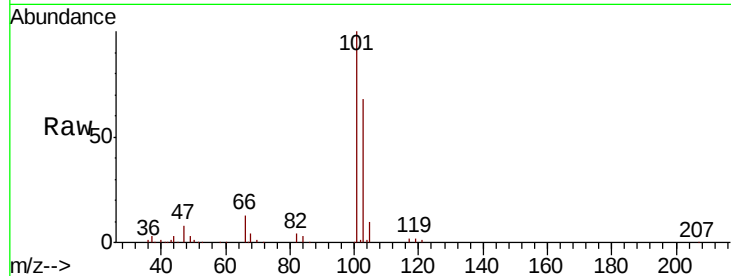
Trichlorofluoromethane
Concen: 18.590 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.5	51.4	77.2

Manual Integrations
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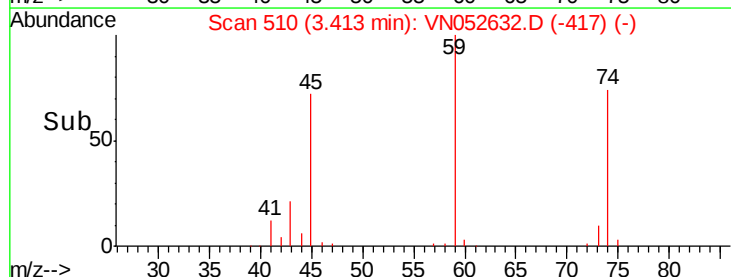
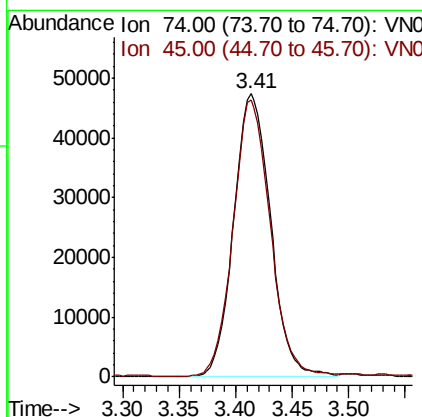
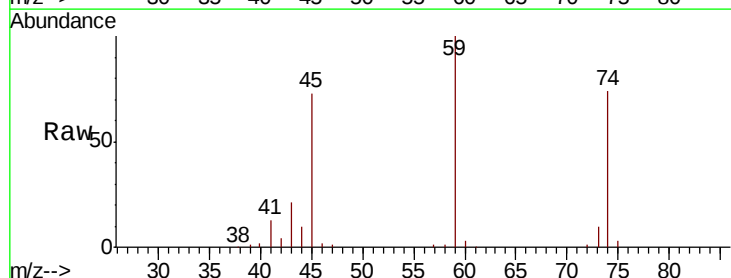
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#8

Diethyl Ether
Concen: 19.466 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.5	50.4	151.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.793 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Instrument :

MSVOA_N

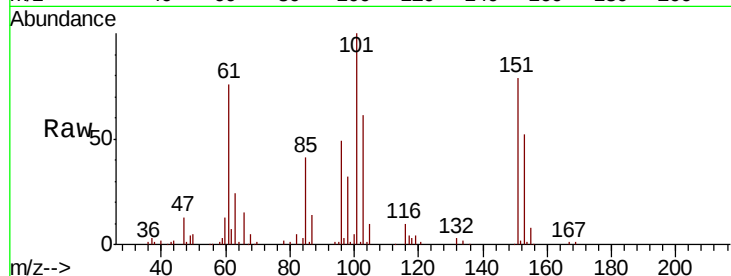
ClientSampleId :

VN1203WBSD01

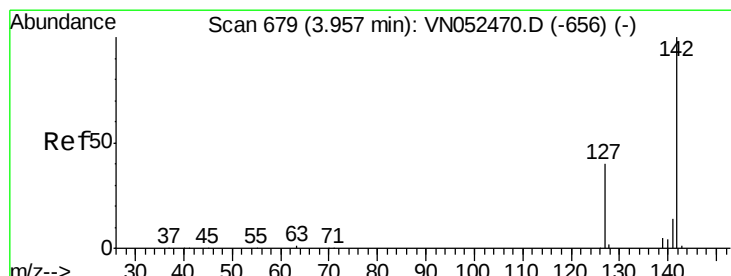
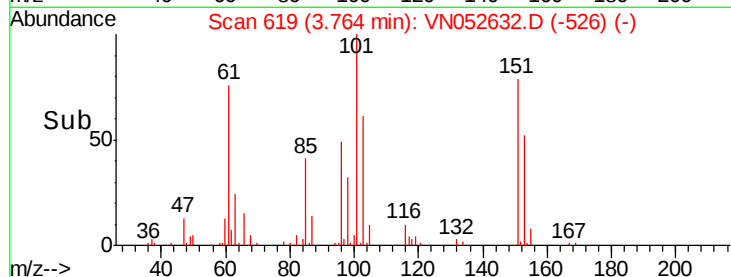
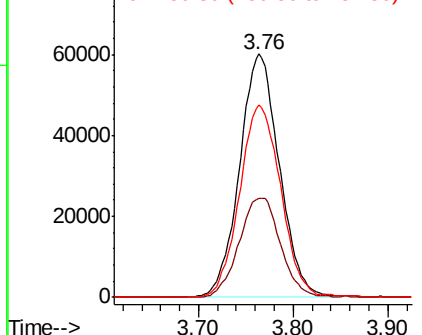
Tot Ion:	101	Resp:	175810
Ion Ratio	Lower	Upper	
101	100		
85	42.5	34.2	51.4
151	81.8	64.6	96.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.672 ug/l

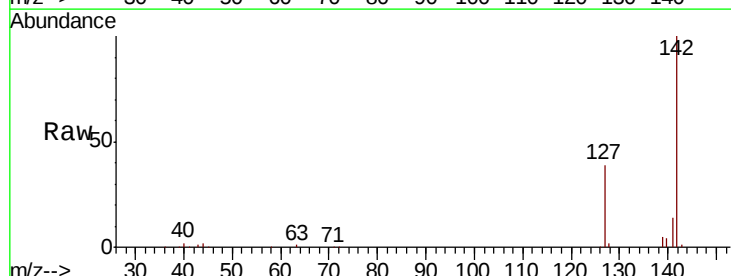
RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

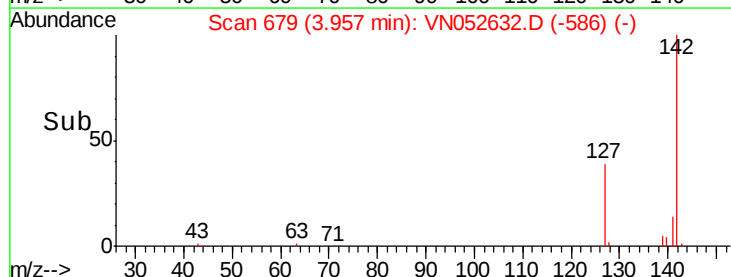
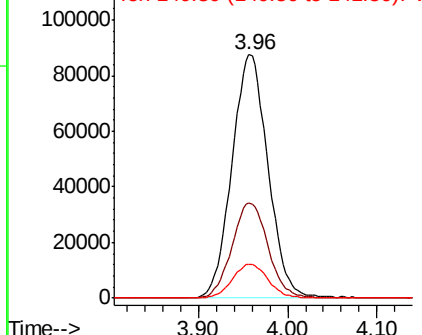
Lab File: VN052632.D

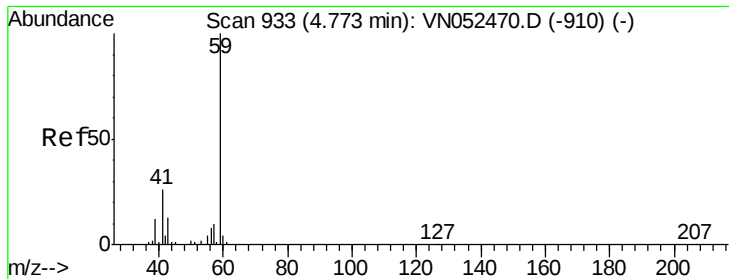
Acq: 3 Dec 2018 15:36

Tgt Ion:	142	Resp:	245123
Ion Ratio	Lower	Upper	
142	100		
127	39.2	31.8	47.6
141	13.9	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

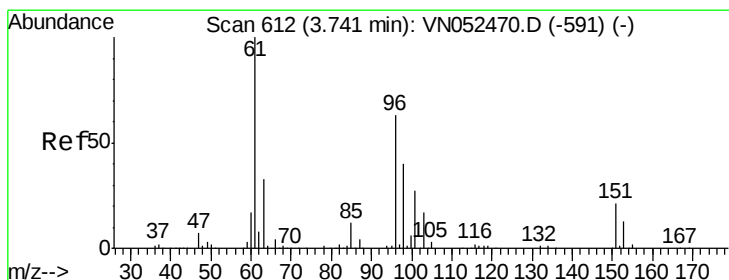
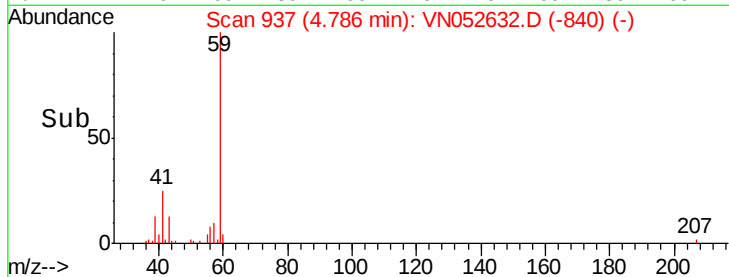
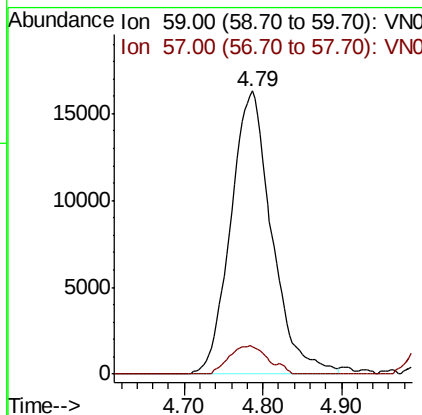
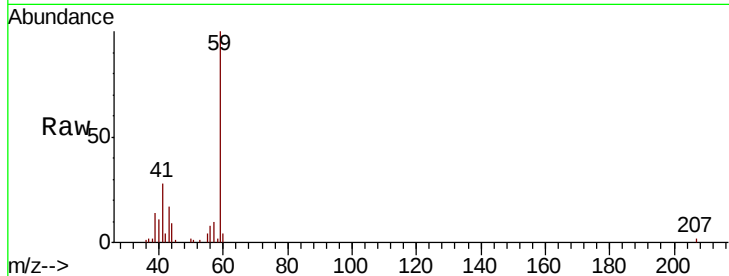
Tert butyl alcohol
 Concen: 113.072 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	59252		
57	8.7		7.9	11.9

Manual Integrations
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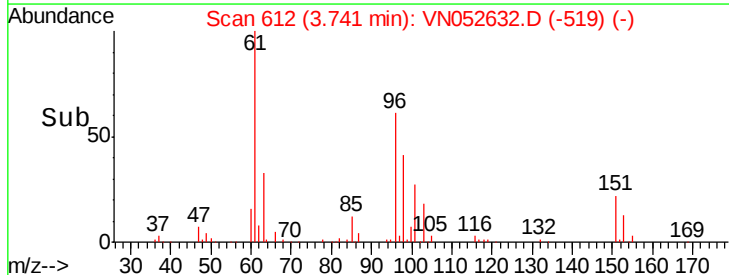
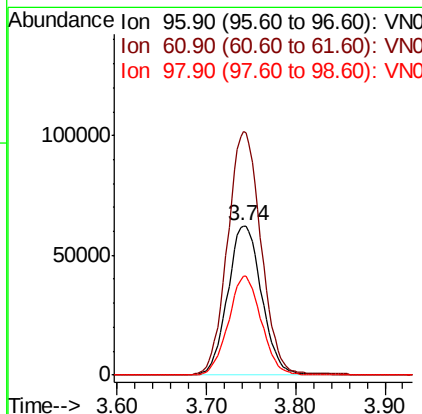
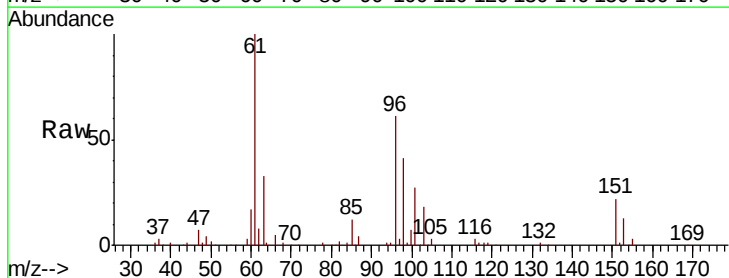
MMDadoda
 12/4/2018 2:56:54 PM

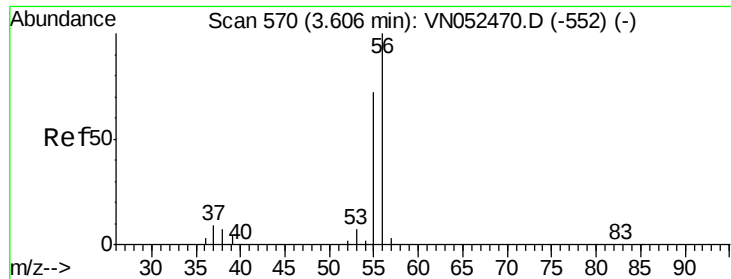


#12

1,1-Dichloroethene
 Concen: 18.362 ug/l
 RT: 3.74 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	165355		
61	162.8		127.0	190.6
98	66.4		50.3	75.5





#13

Acrolein

Concen: 66.070 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD01

Tot Ion: 56 Resp: 60173

Ion Ratio Lower Upper

56 100

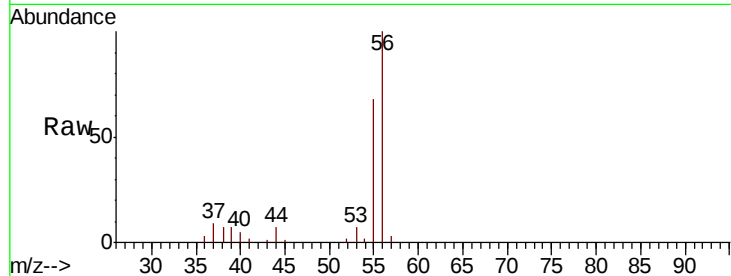
55 70.0 56.8 85.2

Manual Integrations

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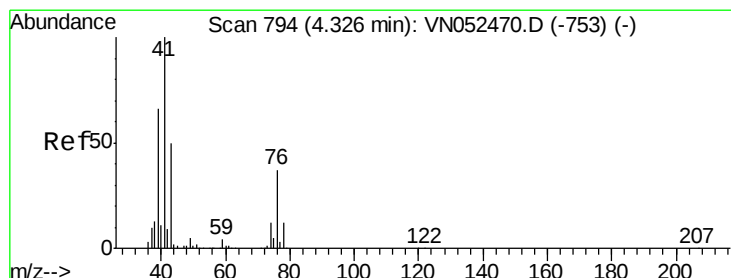
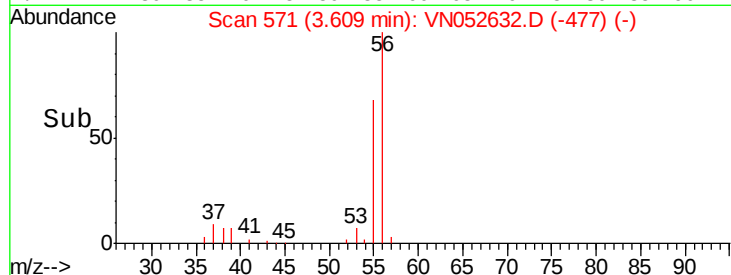
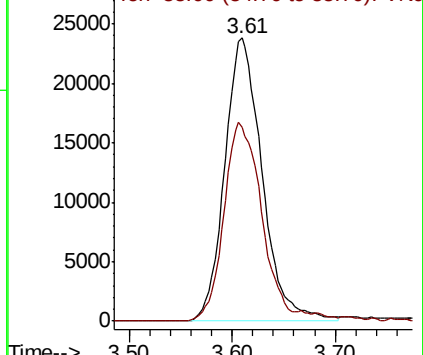
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.039 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

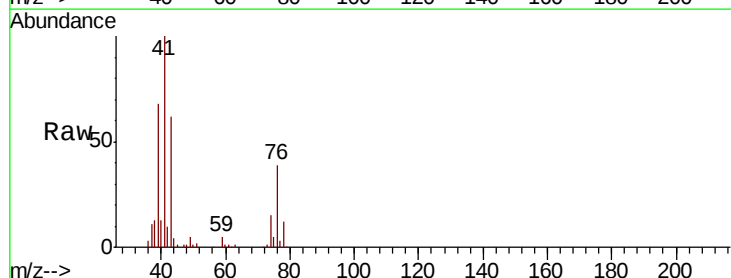
Tgt Ion: 41 Resp: 279979

Ion Ratio Lower Upper

41 100

39 65.2 50.6 76.0

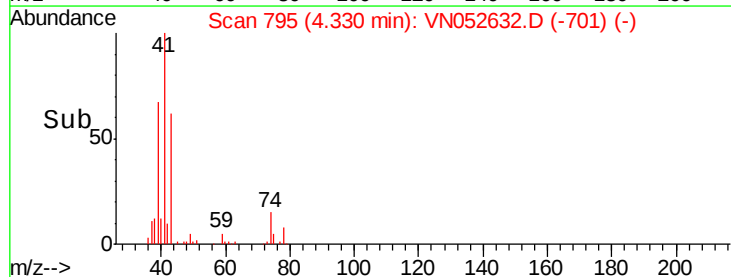
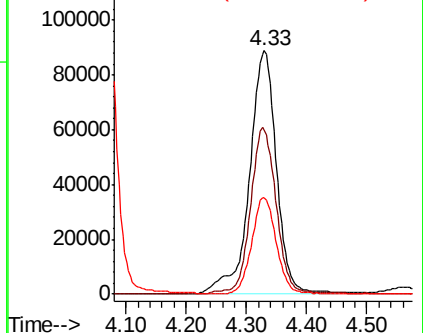
76 36.1 27.4 41.2



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 98.528 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Instrument :

MSVOA_N

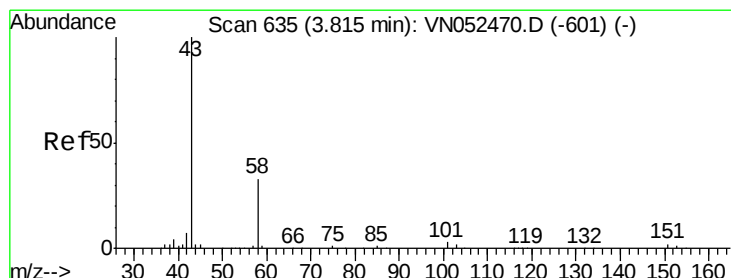
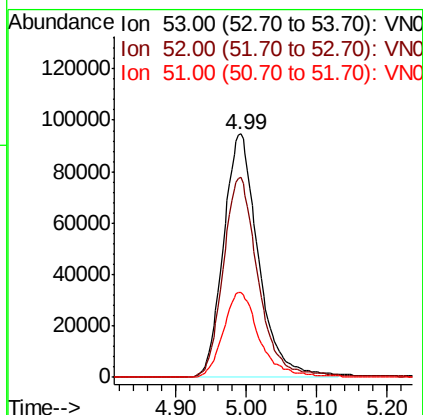
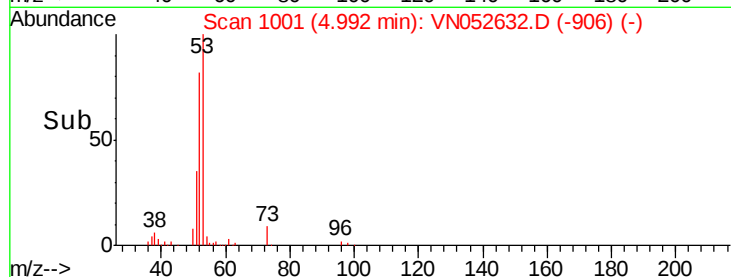
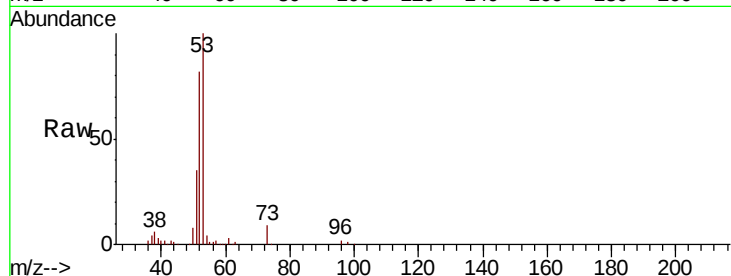
ClientSampleId :

VN1203WBSD01

Tot Ion:	53	Resp:	326829
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	36.0	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 84.190 ug/l

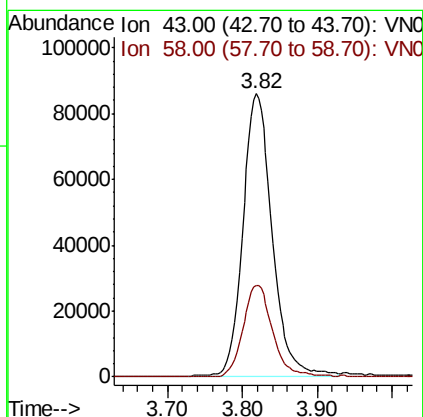
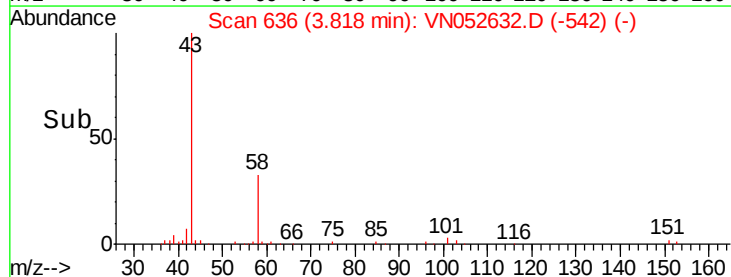
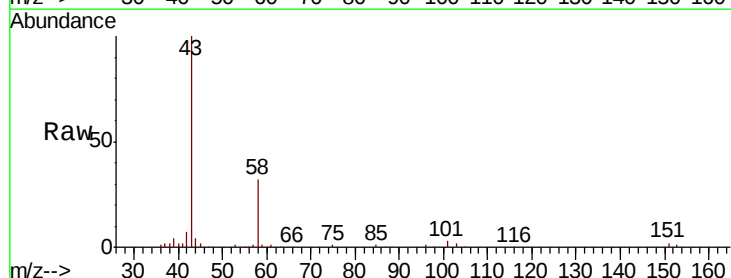
RT: 3.82 min Scan# 636

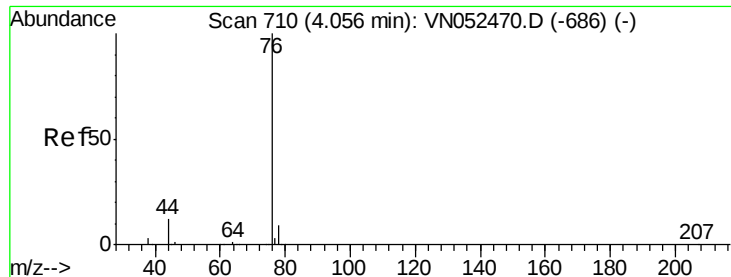
Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Tgt Ion:	43	Resp:	232435
Ion	Ratio	Lower	Upper
43	100		
58	32.5	26.0	39.0





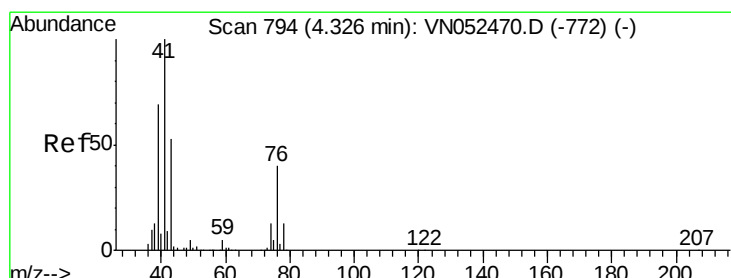
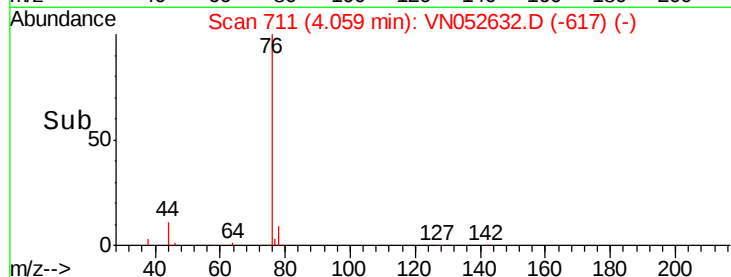
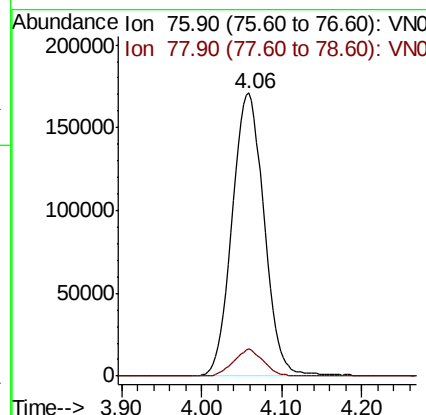
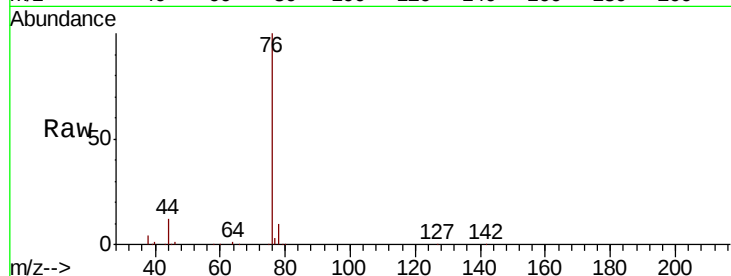
#17
Carbon Disulfide
Concen: 16.426 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion: 76 Resp: 465507
Ion Ratio Lower Upper
76 100
78 9.5 7.4 11.0

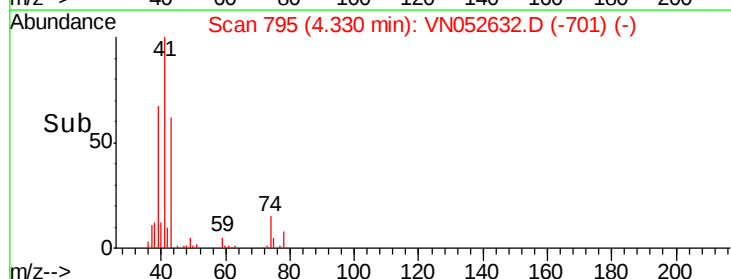
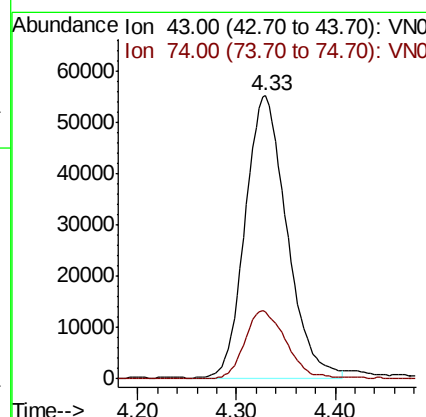
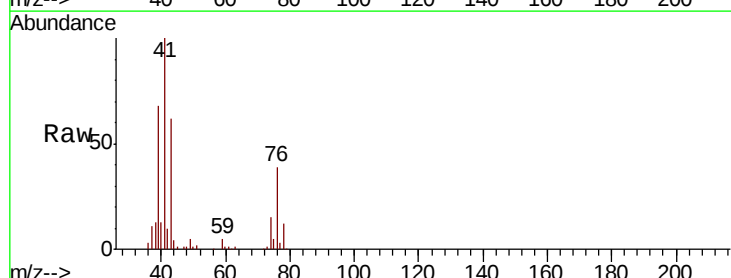
Manual Integrations
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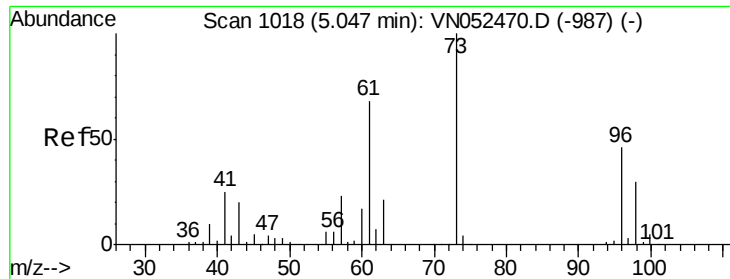
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#18
Methyl Acetate
Concen: 20.240 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion: 43 Resp: 160291
Ion Ratio Lower Upper
43 100
74 24.0 18.6 27.8





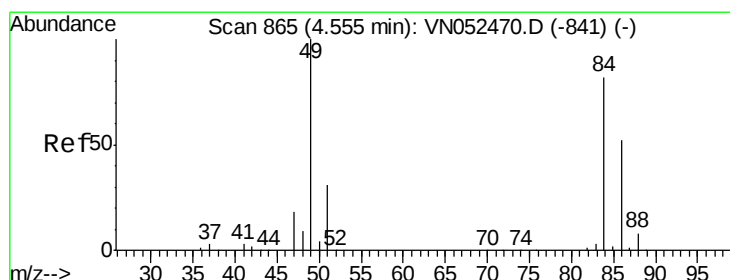
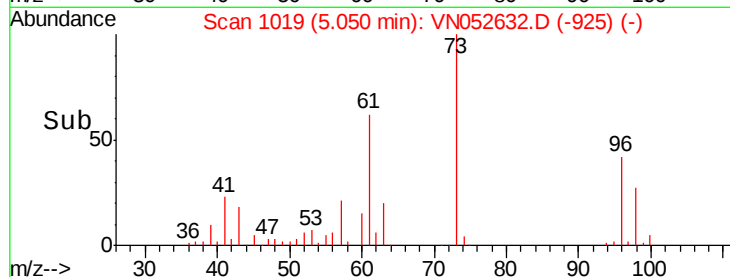
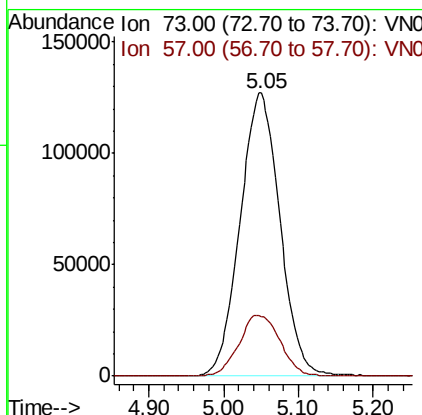
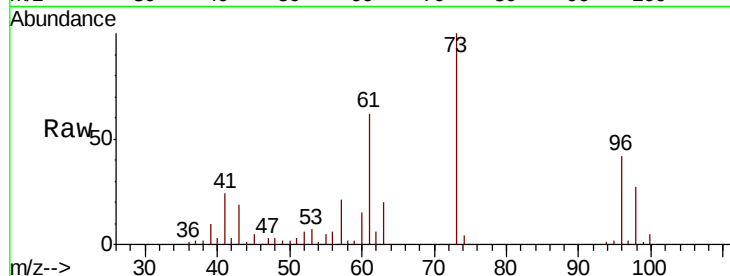
#19
Methyl tert-butyl Ether
Concen: 19.624 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion: 73 Resp: 470172
Ion Ratio Lower Upper
73 100
57 21.1 18.2 27.2

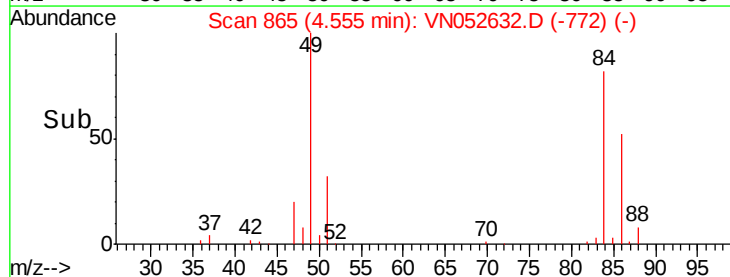
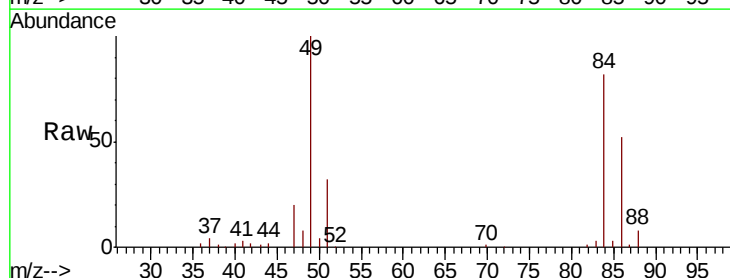
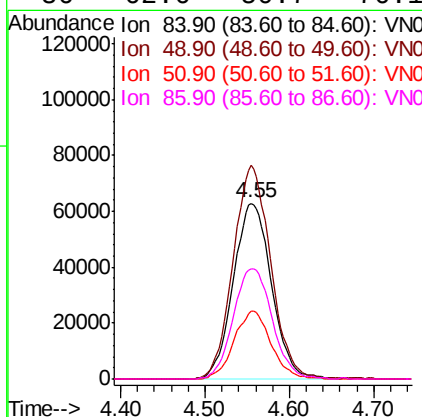
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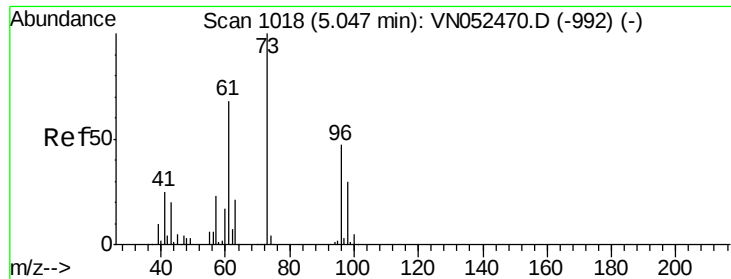
MMDadoda
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#20
Methylene Chloride
Concen: 18.343 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion: 84 Resp: 198174
Ion Ratio Lower Upper
84 100
49 121.5 98.0 147.0
51 38.6 30.1 45.1
86 62.6 50.7 76.1





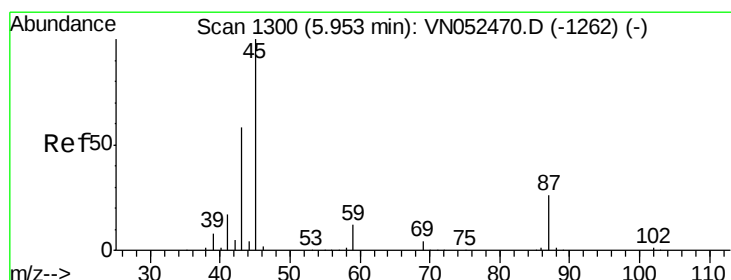
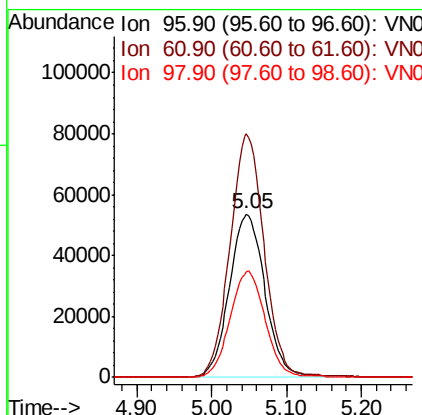
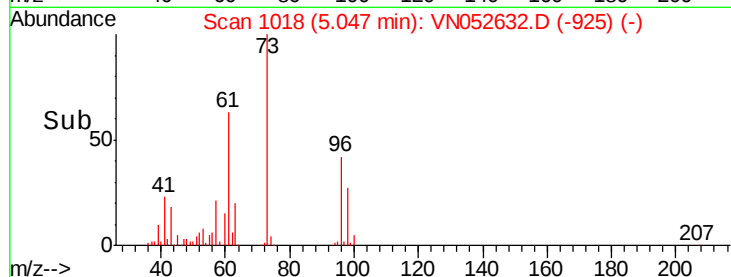
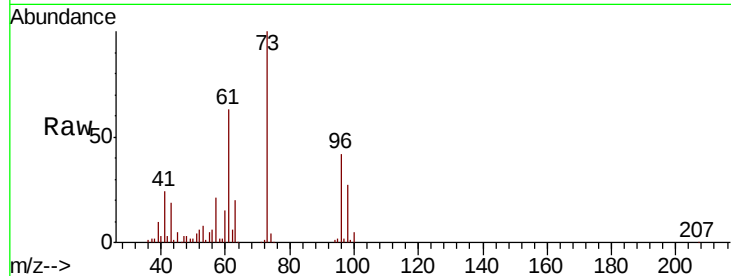
#21
trans-1,2-Dichloroethene
Concen: 18.437 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.3	117.0	175.4
98	64.9	51.8	77.6

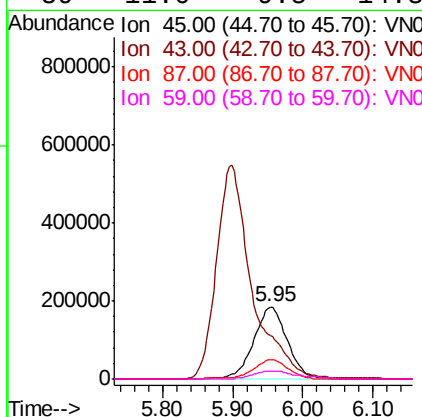
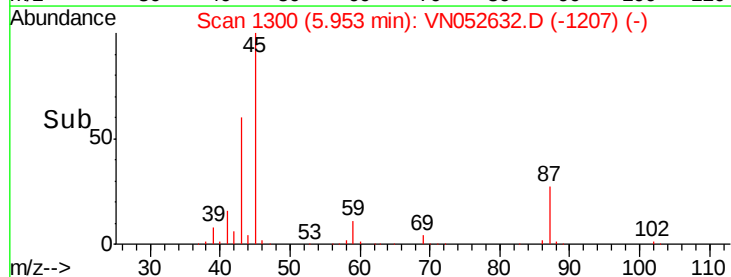
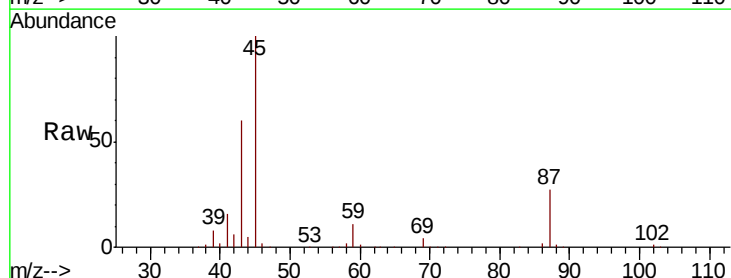
Manual Integrations
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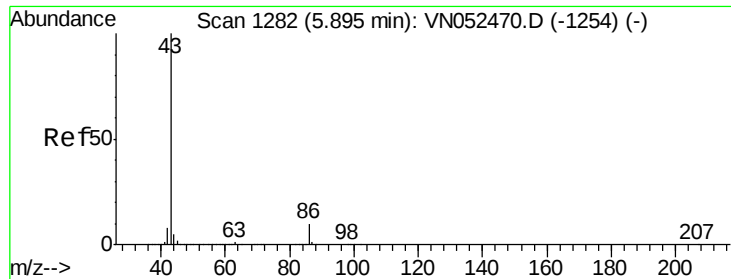
MMDadoda
12/4/2018 2:56:54 PM



#22
Diisopropyl ether
Concen: 18.762 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.9	46.1	69.1
87	26.6	21.3	31.9
59	11.0	9.5	14.3





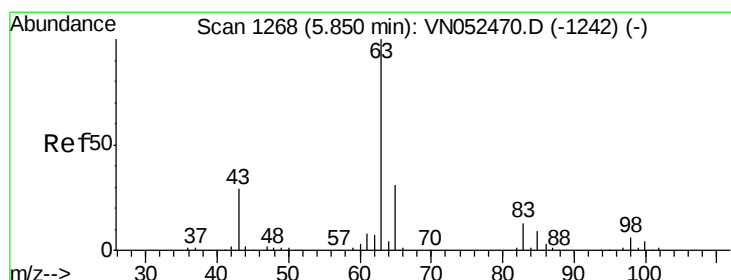
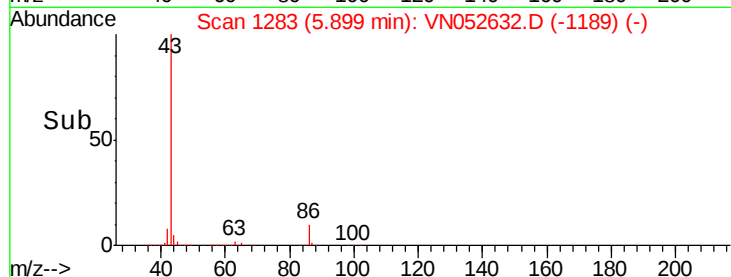
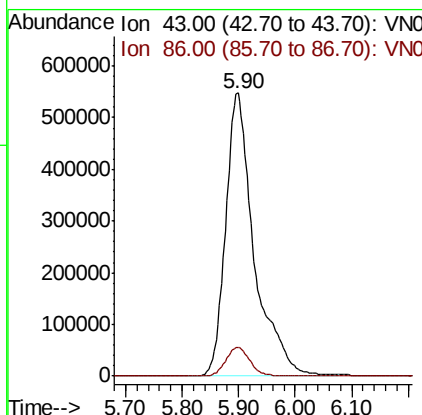
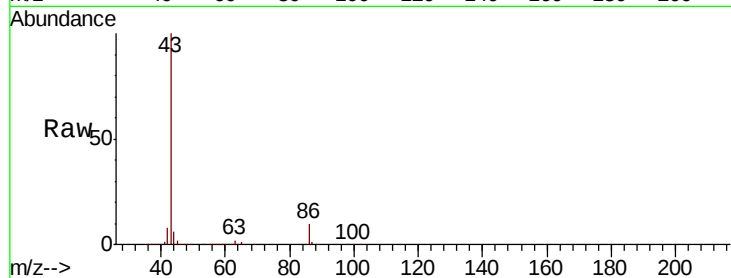
#23
 Vinyl Acetate
 Concen: 94.708 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD01

Tot Ion: 43 Resp: 1923124
 Ion Ratio Lower Upper
 43 100
 86 10.2 7.8 11.8

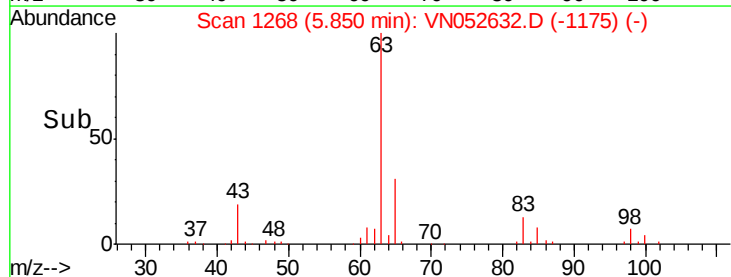
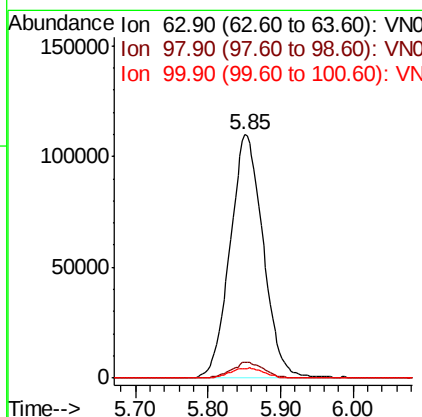
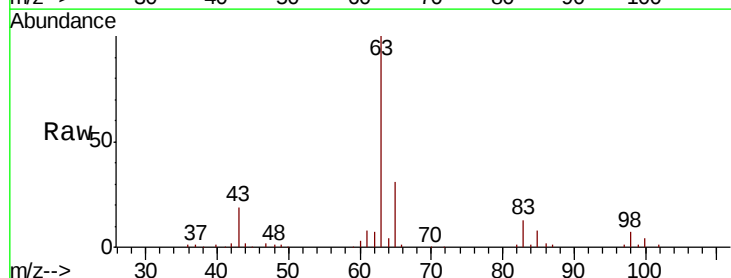
Manual Integrations
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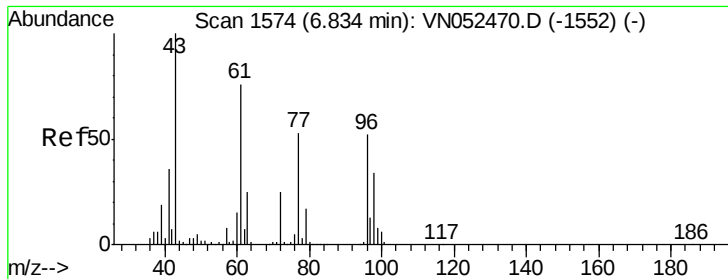
MMDadoda
 12/4/2018 2:56:54 PM



#24
 1,1-Dichloroethane
 Concen: 18.726 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Tgt Ion: 63 Resp: 348580
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.0 9.2
 100 3.9 2.0 5.8





#25

2-Butanone

Concen: 93.611 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD01

Tot Ion: 43 Resp: 366317

Ion Ratio Lower Upper

43 100

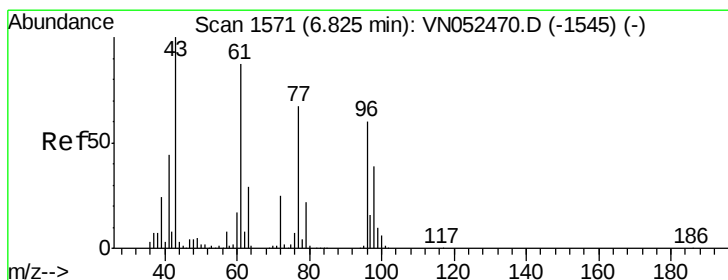
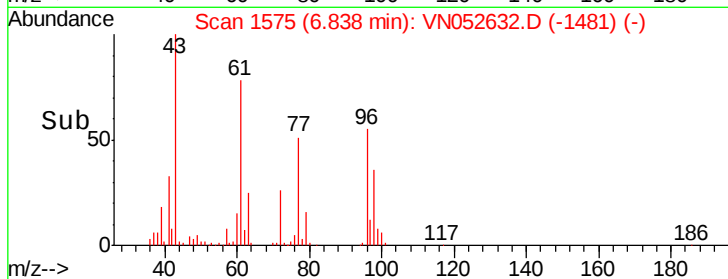
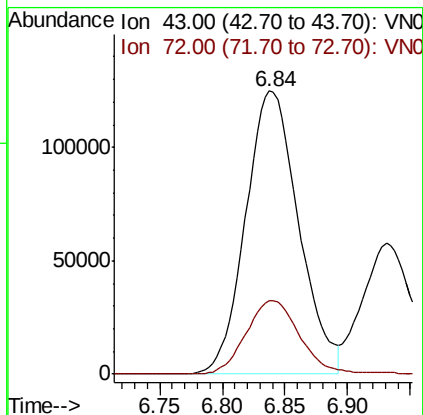
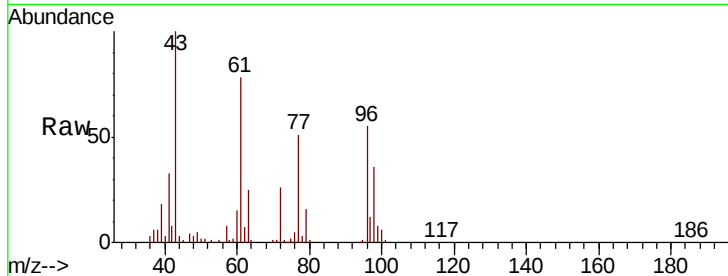
72 25.9 20.1 30.1

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12/4/2018 2:56:54 PM



#26

2,2-Dichloropropane

Concen: 17.232 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052632.D

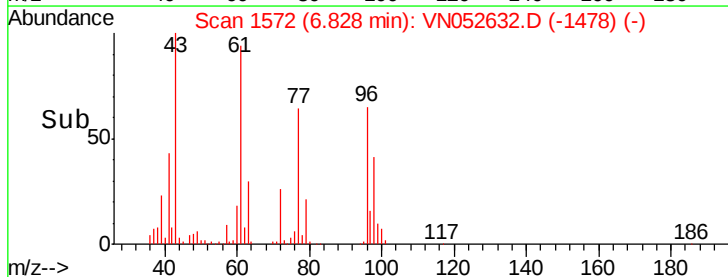
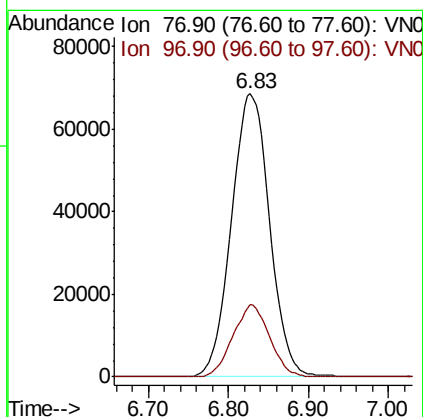
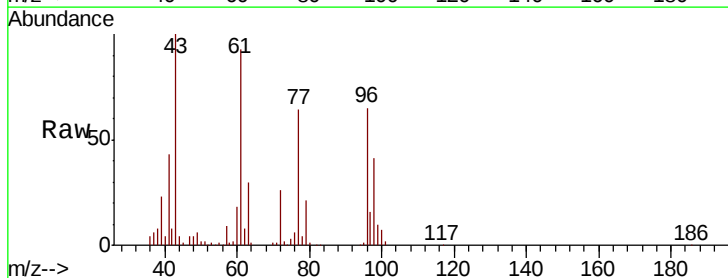
Acq: 3 Dec 2018 15:36

Tgt Ion: 77 Resp: 222024

Ion Ratio Lower Upper

77 100

97 24.4 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.666 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Instrument :

MSVOA_N

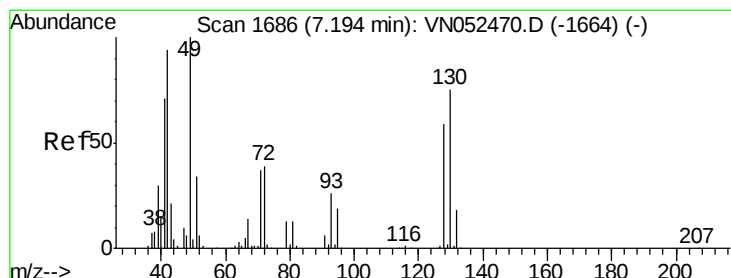
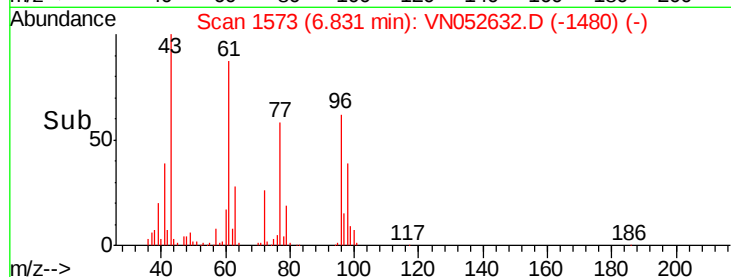
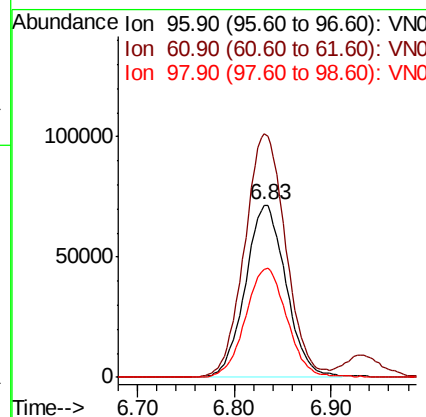
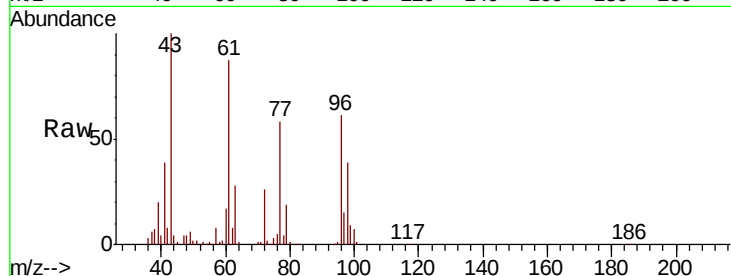
ClientSampleId :

VN1203WBSD01

Tot Ion:	96	Resp:	209121
Ion Ratio	Lower	Upper	
96	100		
61	143.1	0.0	291.0
98	64.2	0.0	130.0

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#28

Bromochloromethane

Concen: 17.736 ug/l

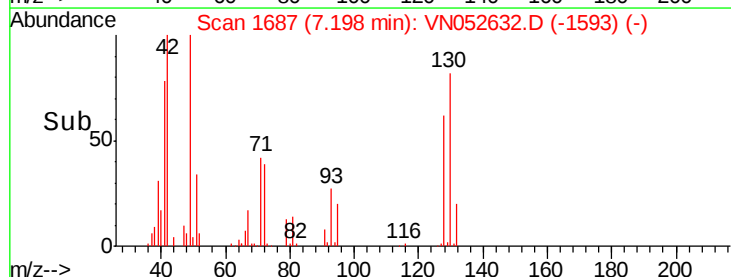
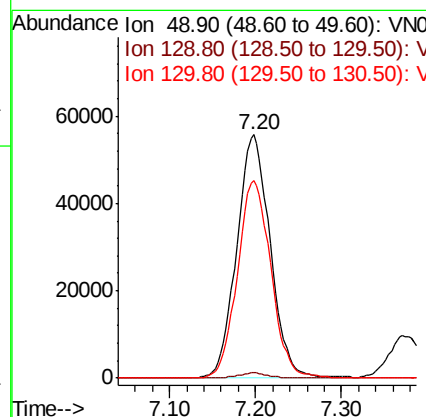
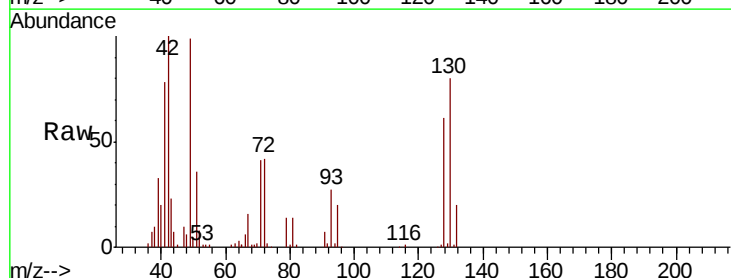
RT: 7.20 min Scan# 1687

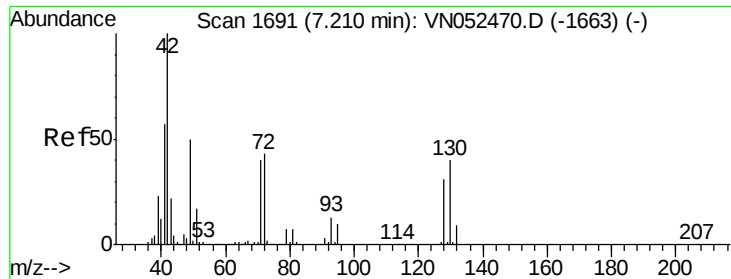
Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Tgt Ion:	49	Resp:	150793
Ion Ratio	Lower	Upper	
49	100		
129	1.7	0.0	3.8
130	81.2	60.2	90.2





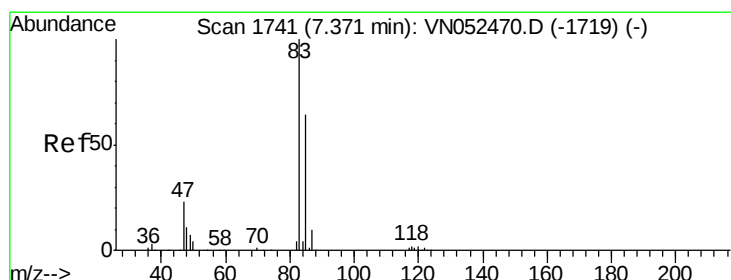
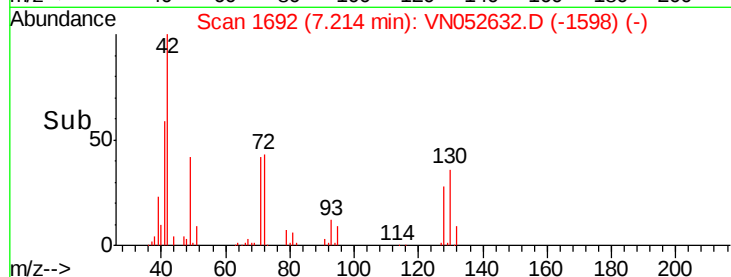
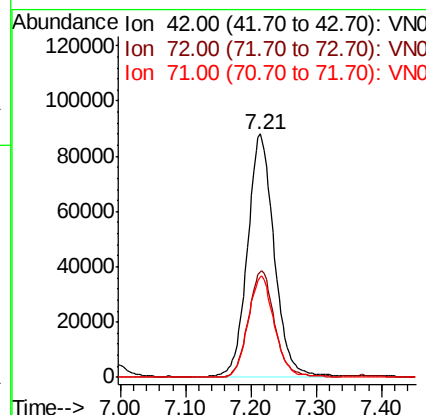
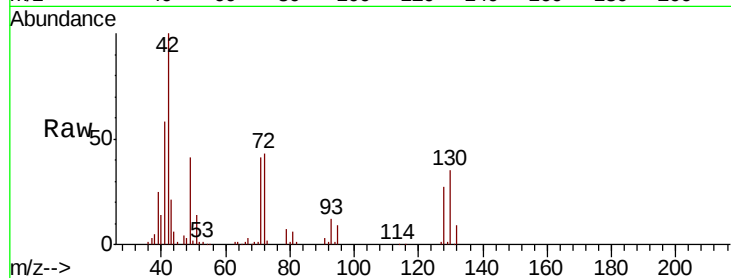
#29
Tetrahydrofuran
Concen: 99.318 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	33.3	49.9
71	40.7	32.0	48.0

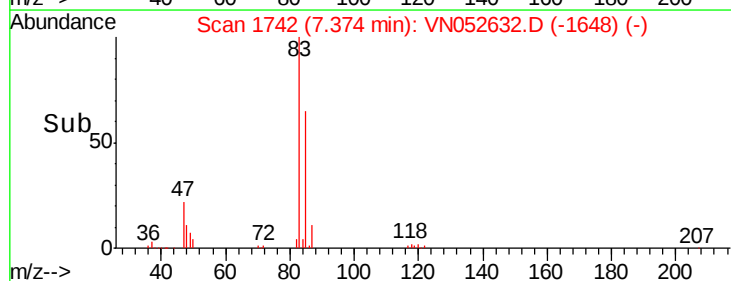
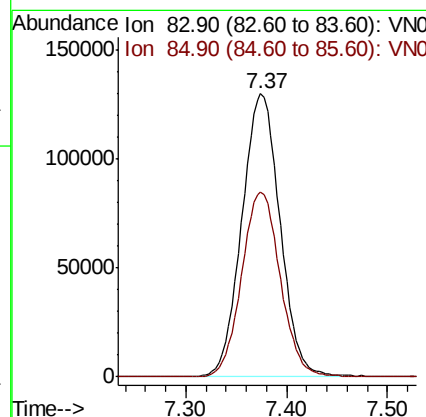
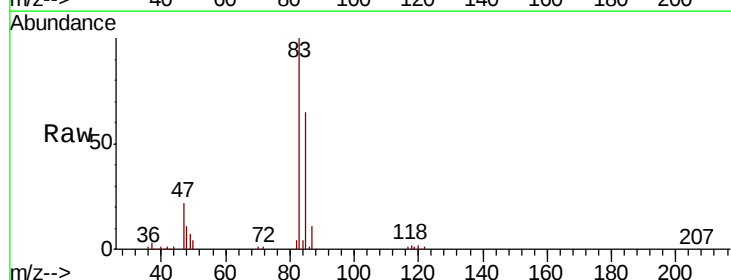
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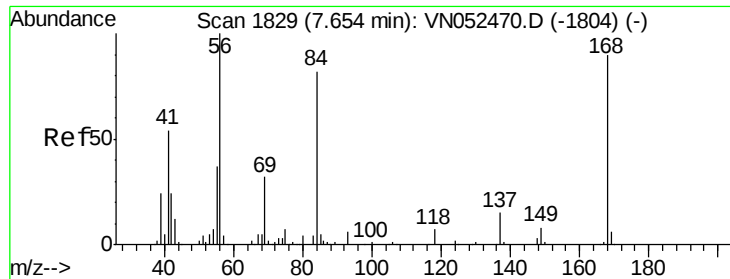
MMDadoda
12/4/2018 2:56:54 PM



#30
Chloroform
Concen: 18.419 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	51.0	76.4





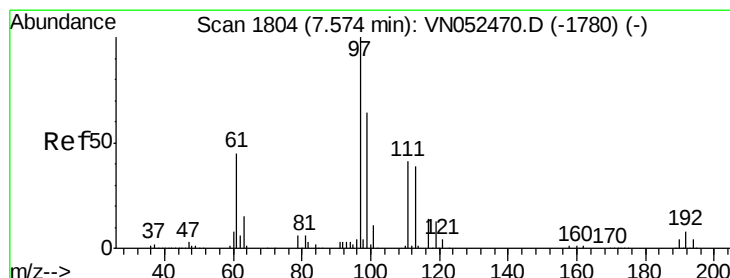
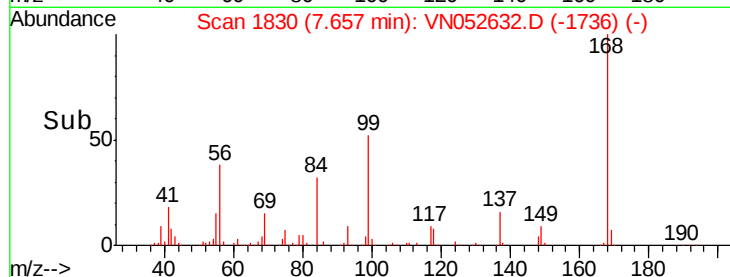
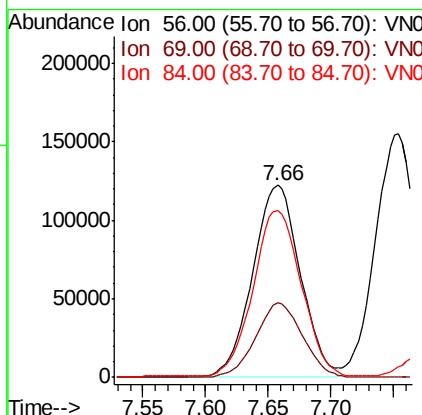
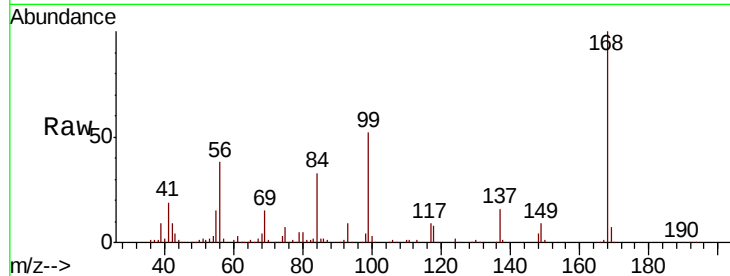
#31
Cyclohexane
Concen: 17.750 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	38.8	25.8	38.6#
84	86.1	65.3	97.9

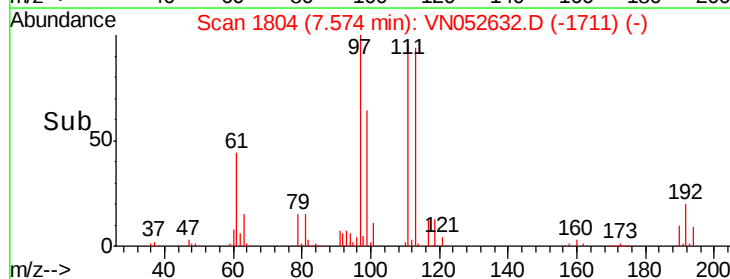
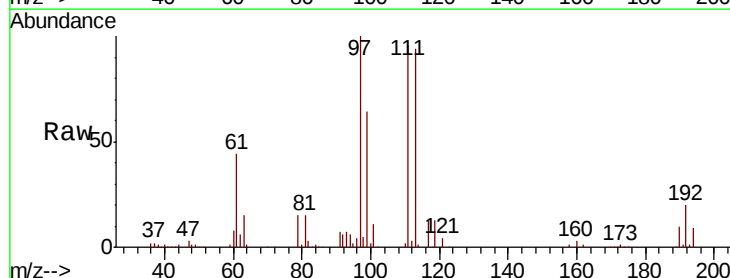
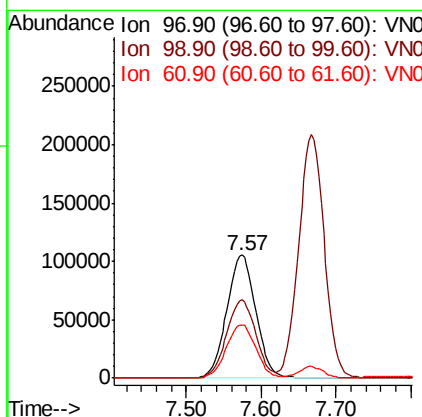
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#32
1,1,1-Trichloroethane
Concen: 19.289 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.7	77.5
61	44.2	36.8	55.2





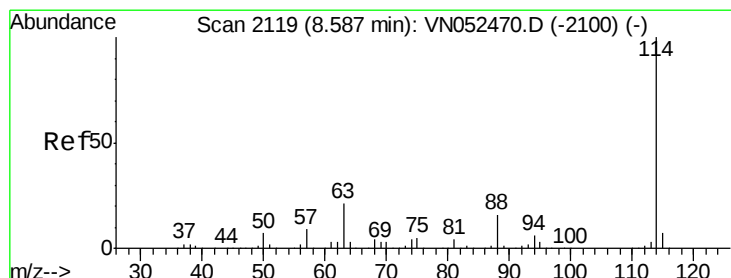
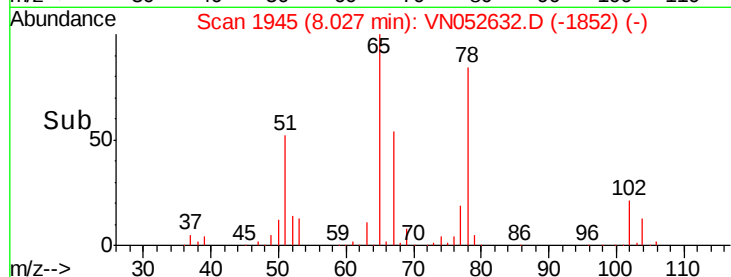
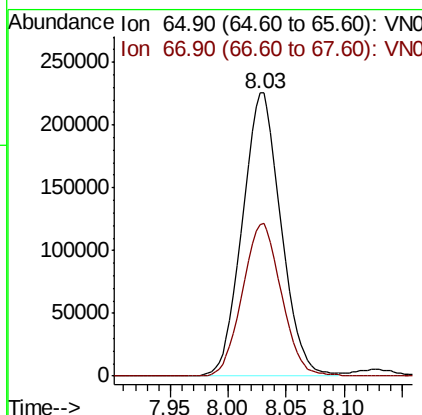
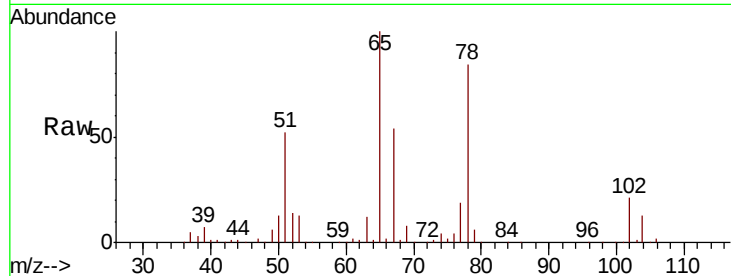
#33
 1,2-Dichloroethane-d4
 Concen: 19.289 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD01

Tot Ion: 65 Resp: 524148
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 109.8

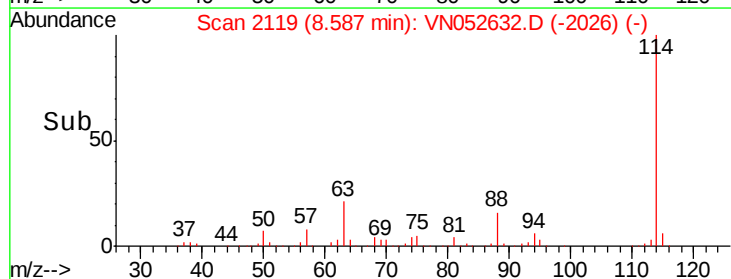
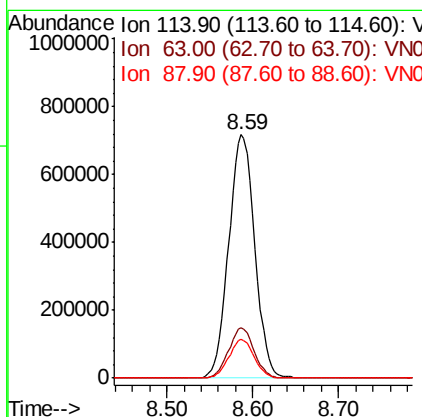
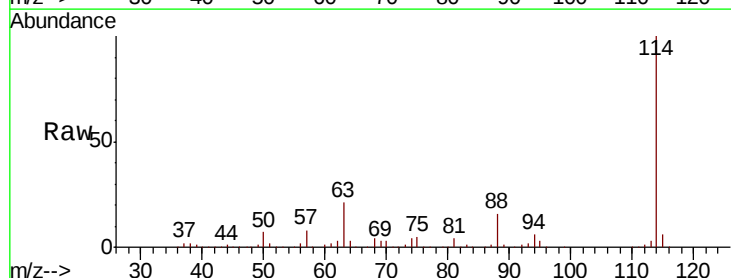
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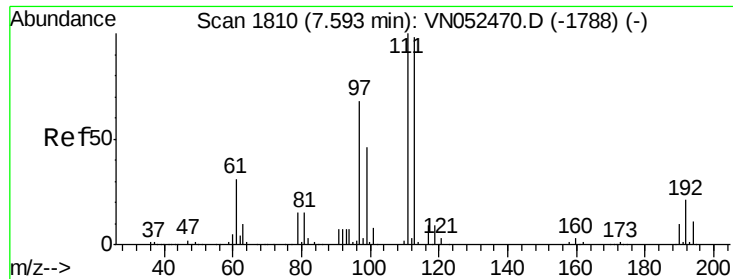
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Tgt Ion: 114 Resp: 1505997
 Ion Ratio Lower Upper
 114 100
 63 20.7 0.0 41.8
 88 15.7 0.0 31.6





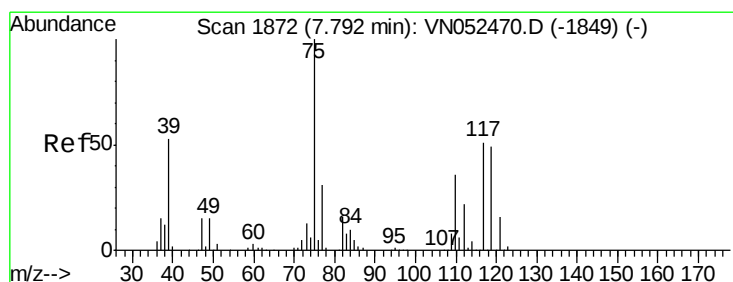
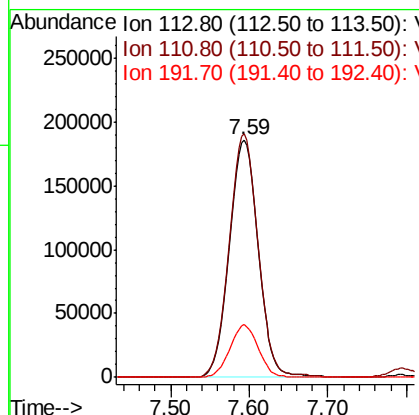
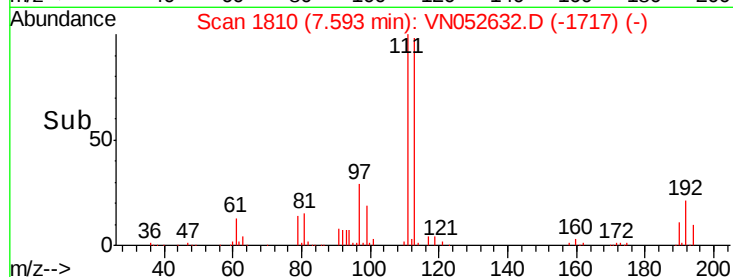
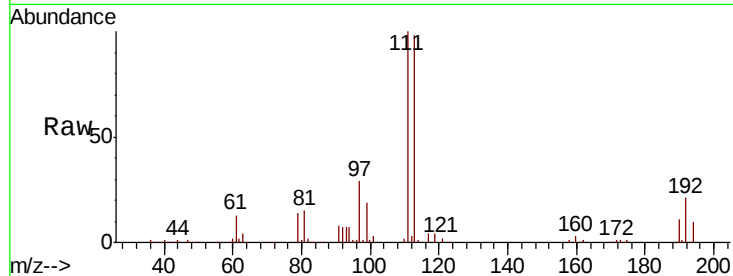
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	474653		
111	102.1	82.0	123.0	
192	21.7	17.0	25.6	

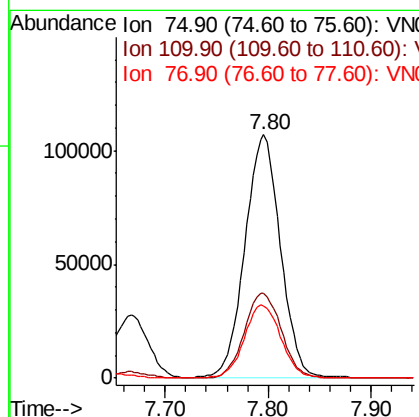
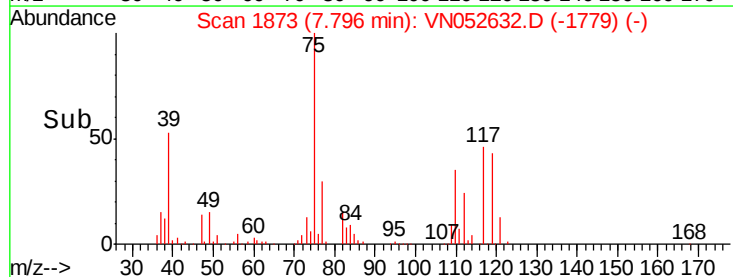
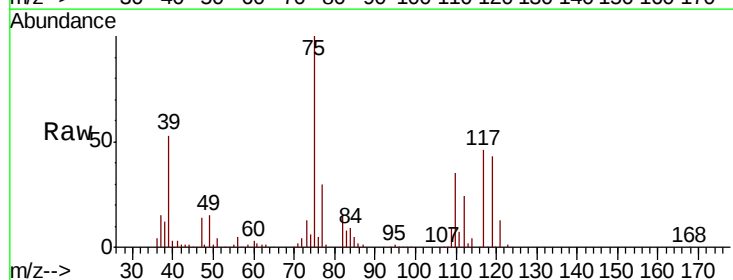
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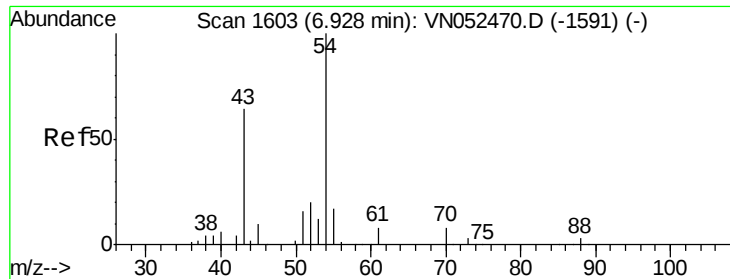
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#36
 1,1-Dichloropropene
 Concen: 17.895 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	254499		
110	36.6	17.5	52.6	
77	31.4	24.5	36.7	





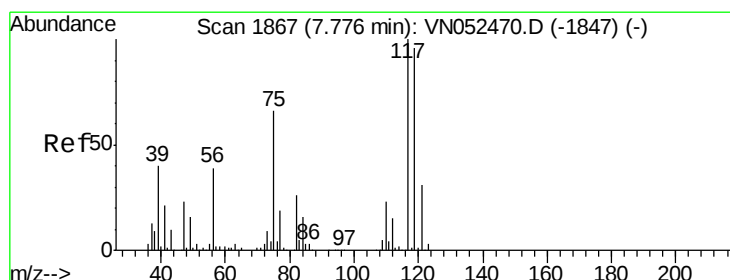
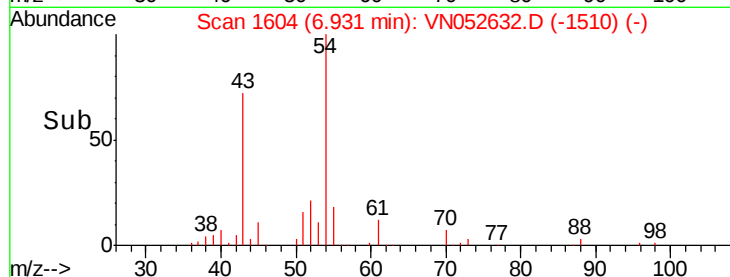
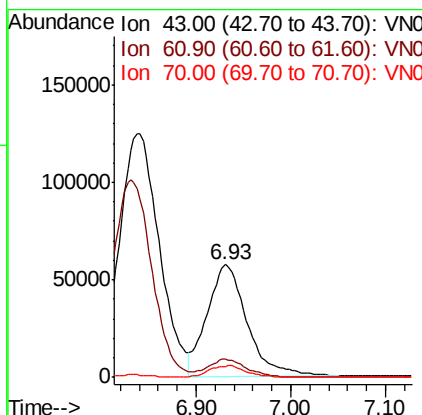
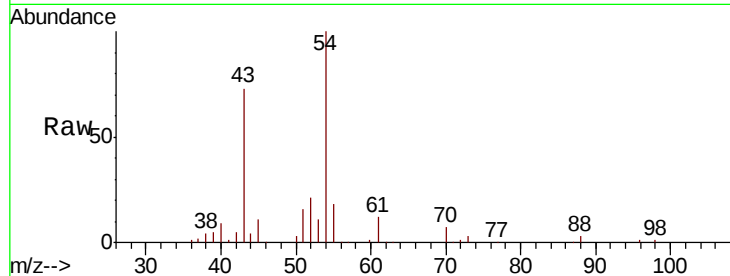
#37
Ethyl Acetate
Concen: 19.308 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.0	11.8	17.8
70	10.1	7.8	11.8

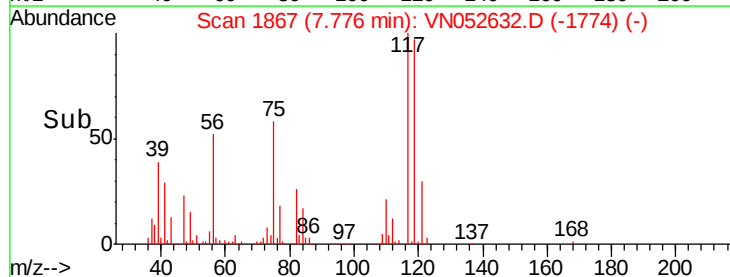
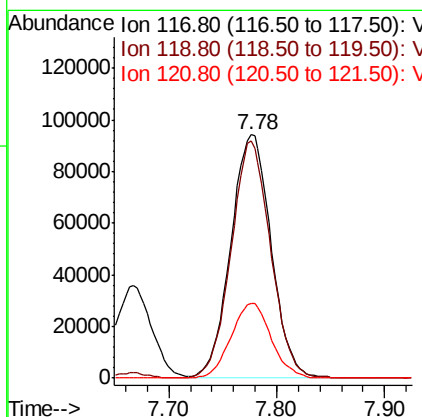
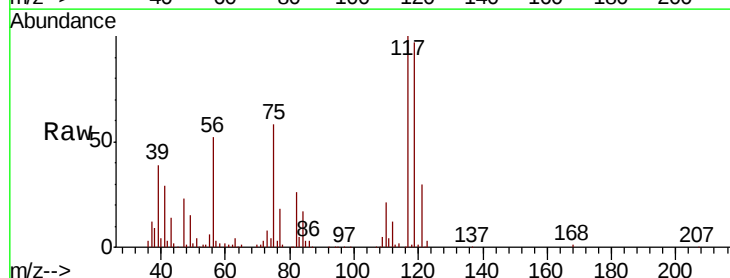
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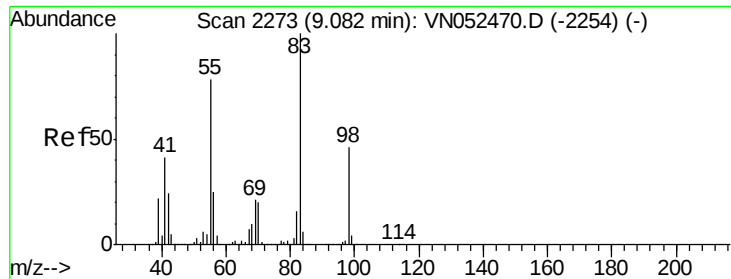
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.915 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.5	76.8	115.2
121	30.6	24.9	37.3





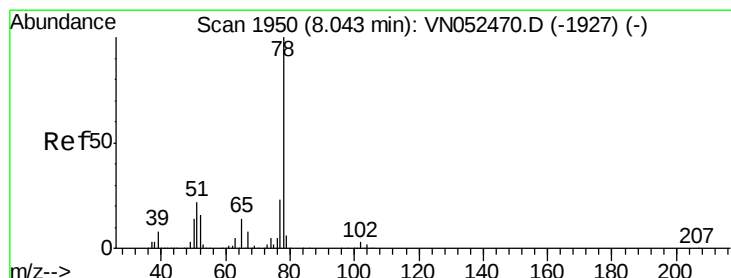
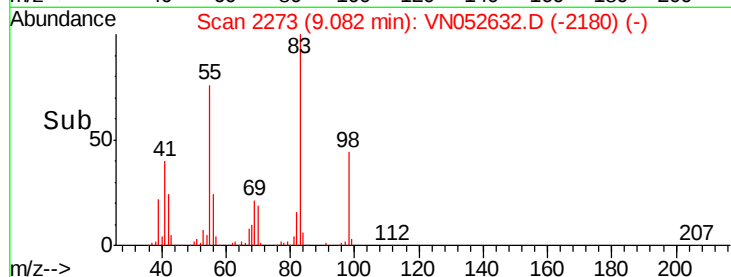
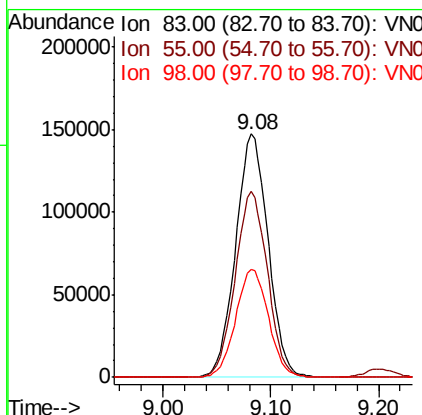
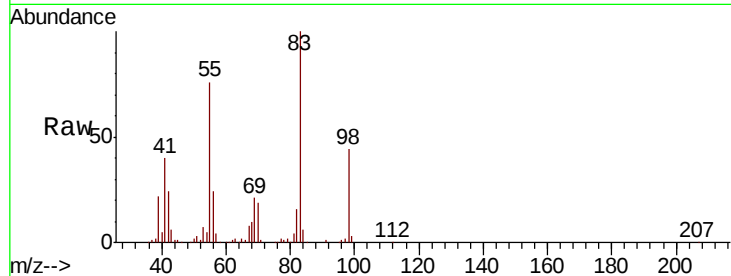
#39
Methvlcvclohexane
Concen: 17.881 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	76.3	62.2	93.2	
98	44.5	36.4	54.6	

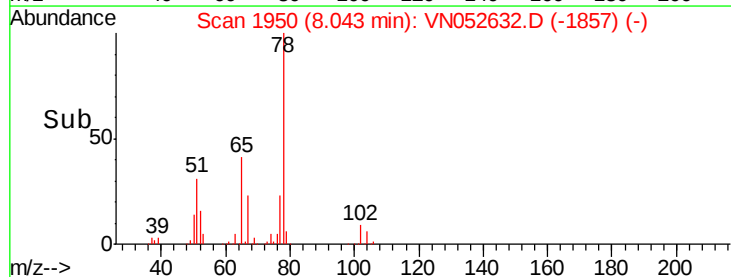
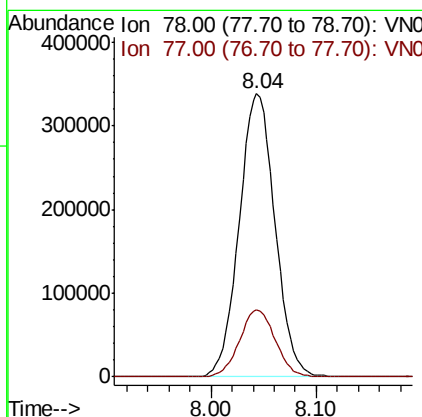
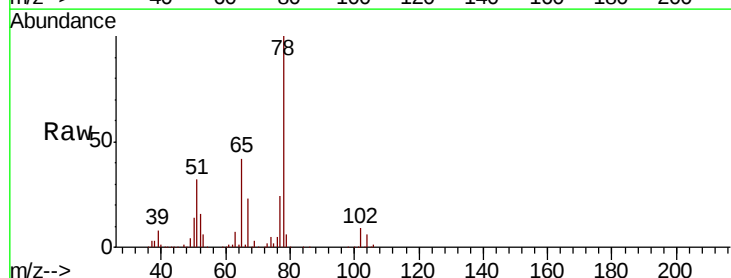
Manual Integrations
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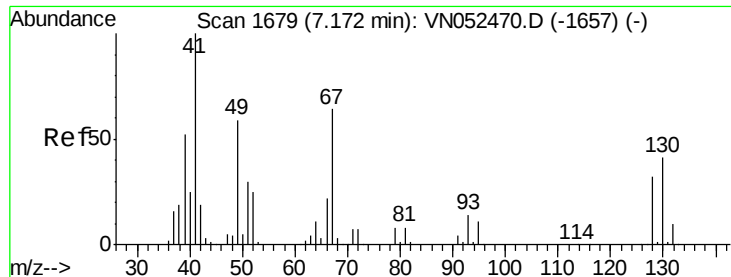
MMDadoda
12/4/2018 2:56:54 PM



#40
Benzene
Concen: 18.822 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.5	18.8	28.2	





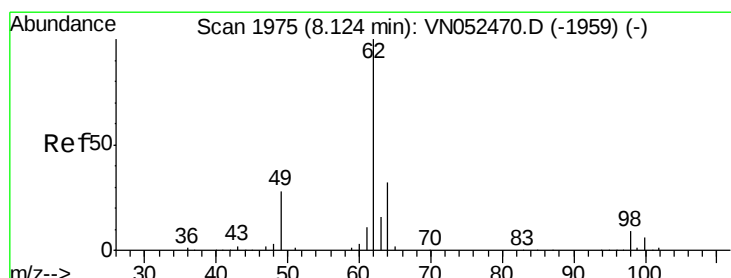
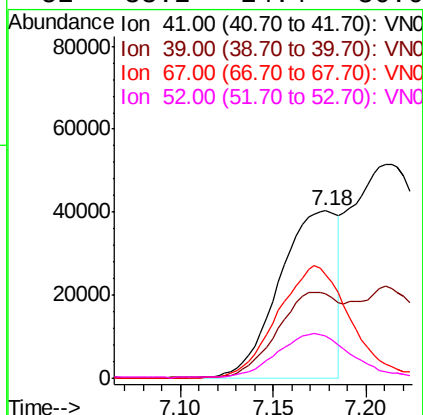
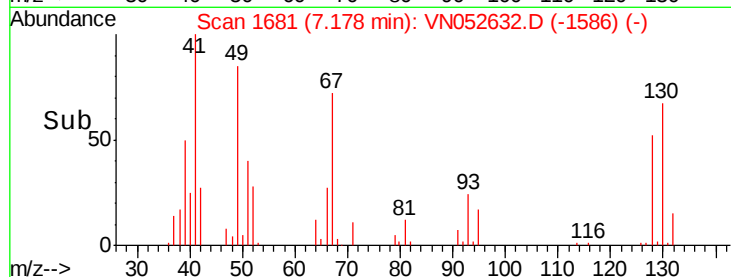
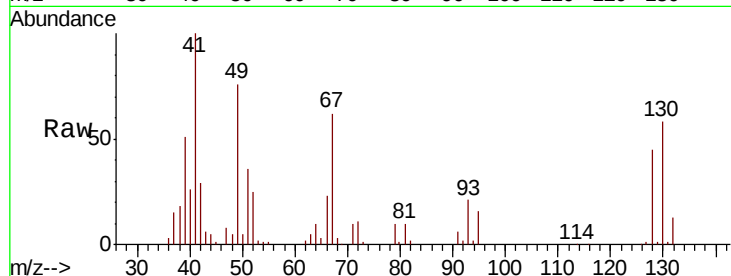
#41
Methacrylonitrile
Concen: 18.636 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	56.0	50.9	76.3	
67	85.0	63.6	95.4	
52	33.2	24.4	36.6	

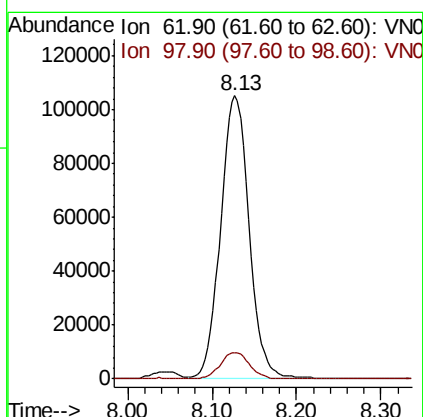
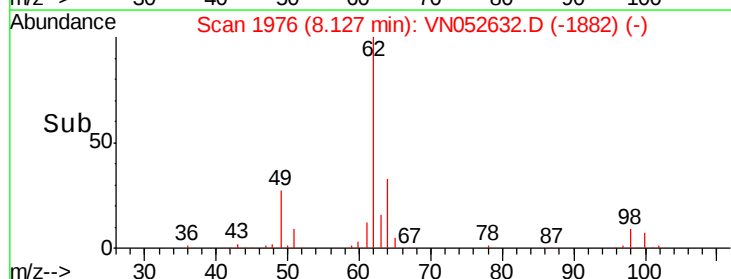
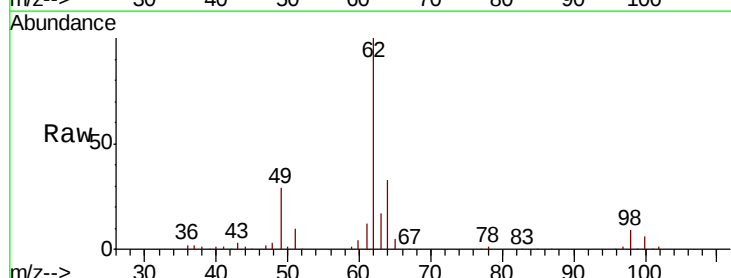
Manual Integrations
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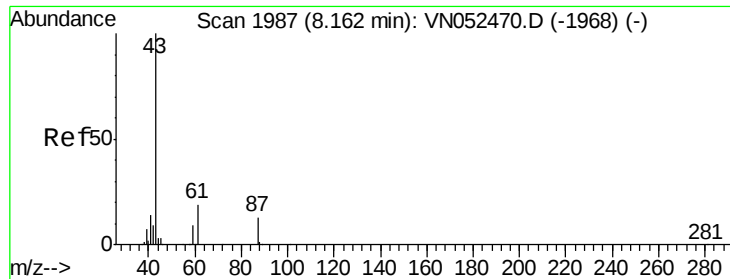
MMDadoda
12/4/2018 2:56:54 PM



#42
1,2-Dichloroethane
Concen: 19.156 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.5	0.0	18.6	





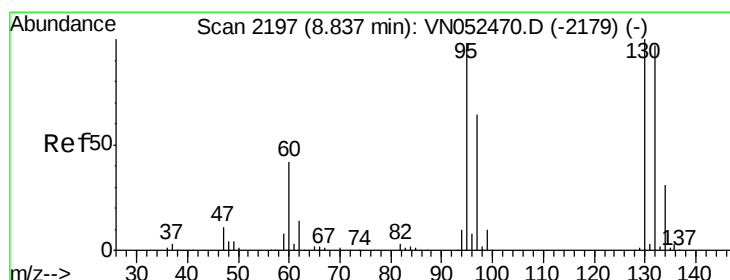
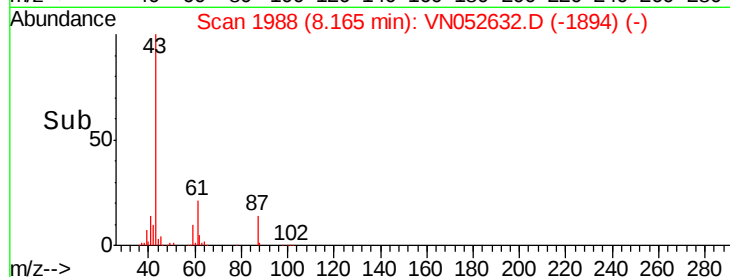
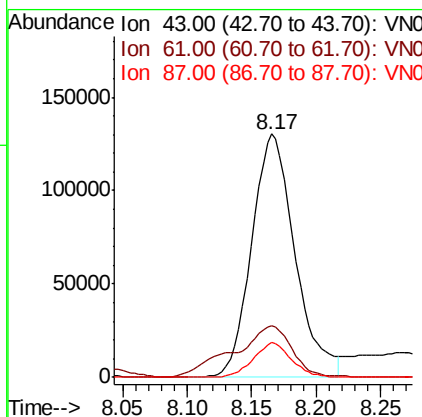
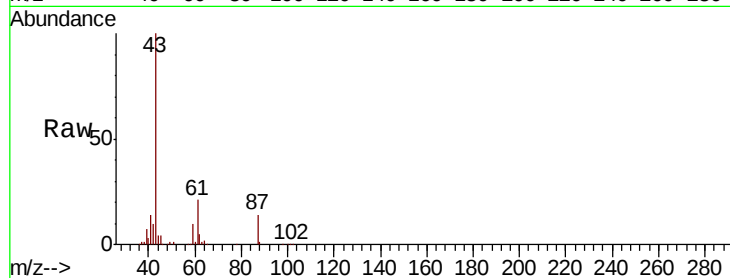
#43
Isopropyl Acetate
Concen: 20.676 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.4	24.1	36.1
87	12.7	10.6	15.8

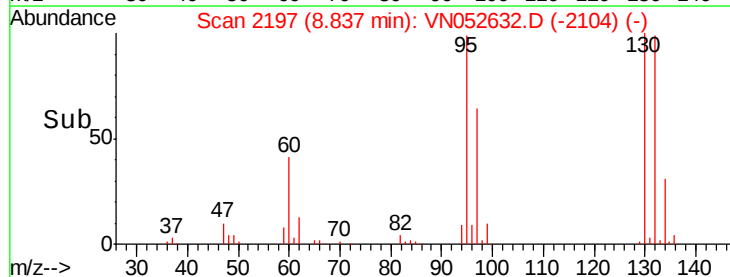
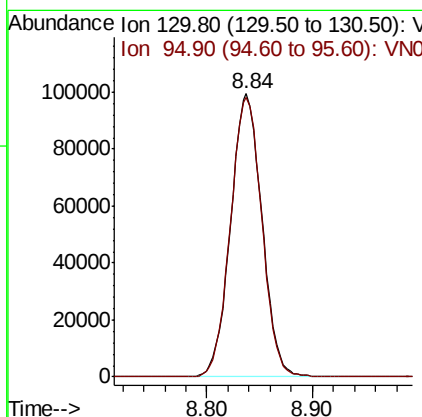
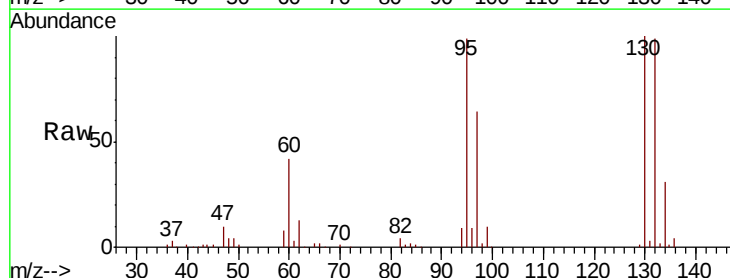
Manual Integrations
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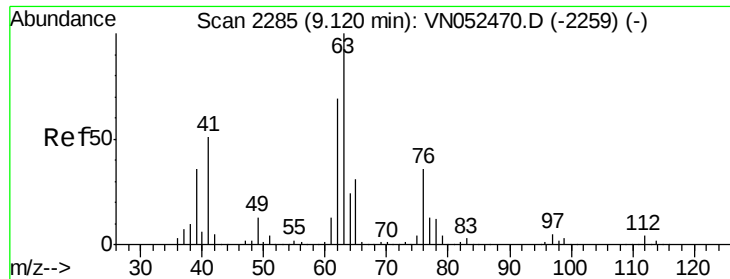
MMDadoda
12/4/2018 2:56:54 PM



#44
Trichloroethene
Concen: 18.817 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.0	0.0	195.6





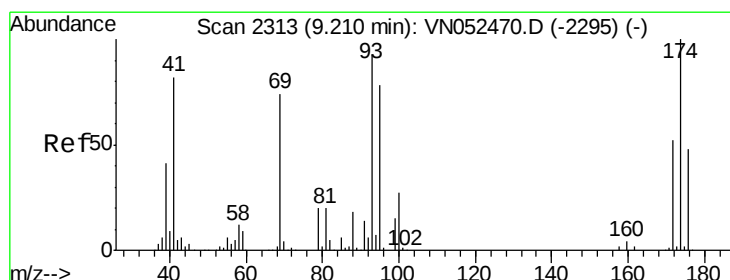
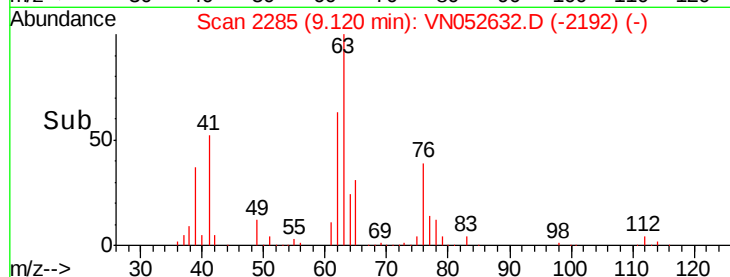
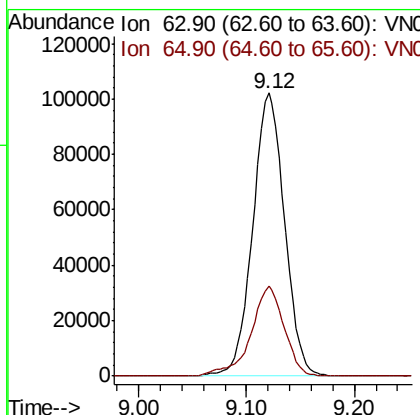
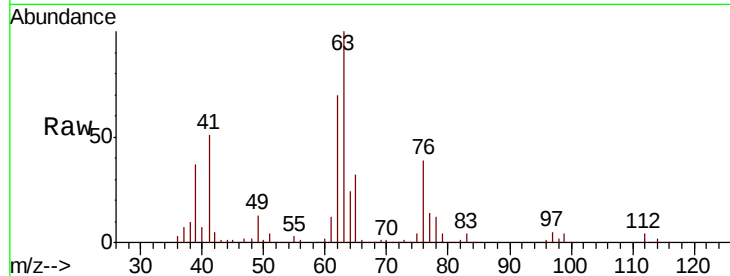
#45
 1,2-Dichloropropane
 Concen: 18.546 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD01

Tot Ion: 63 Resp: 208982
 Ion Ratio Lower Upper
 63 100
 65 31.7 25.0 37.6

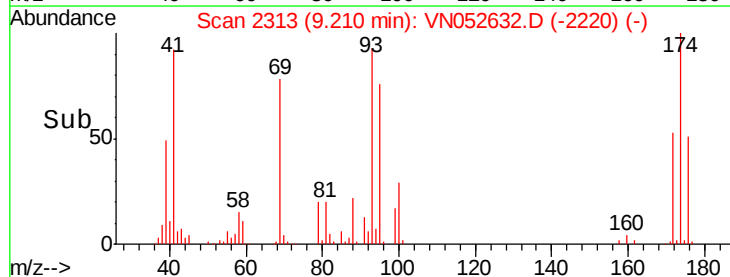
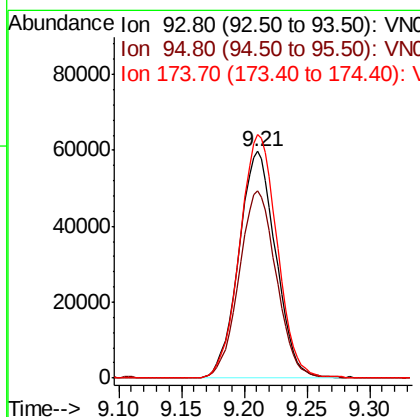
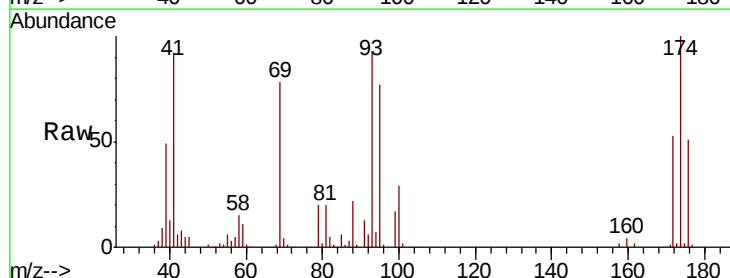
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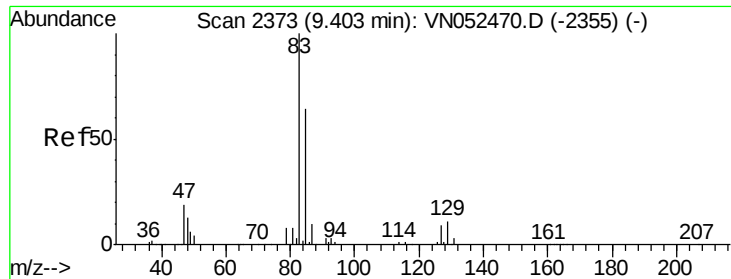
MMDadoda
 12/4/2018 2:56:54 PM



#46
 Dibromomethane
 Concen: 19.648 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Tgt Ion: 93 Resp: 122558
 Ion Ratio Lower Upper
 93 100
 95 83.1 67.1 100.7
 174 108.6 85.8 128.8





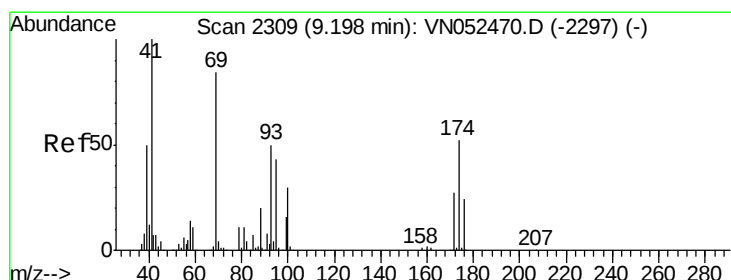
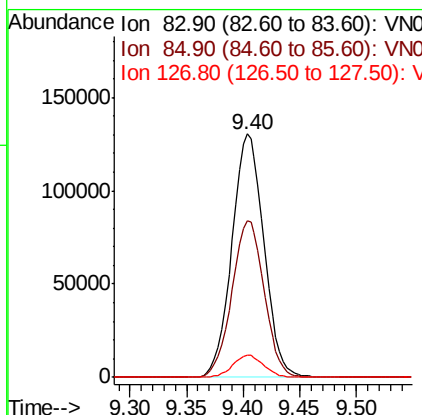
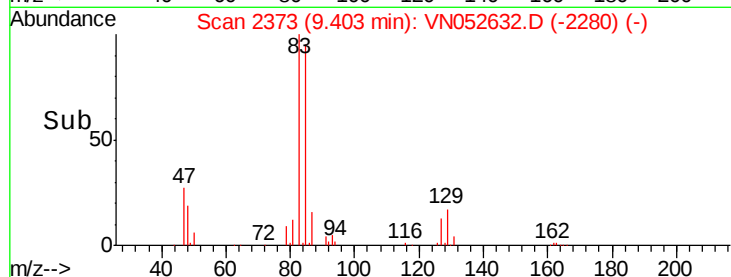
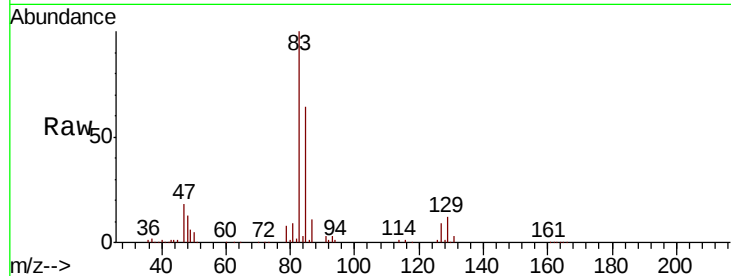
#47
Bromodichloromethane
Concen: 18.935 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	256792		
85	64.2		51.3	76.9
127	9.0		6.9	10.3

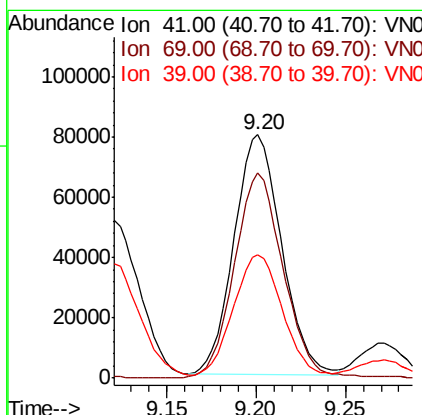
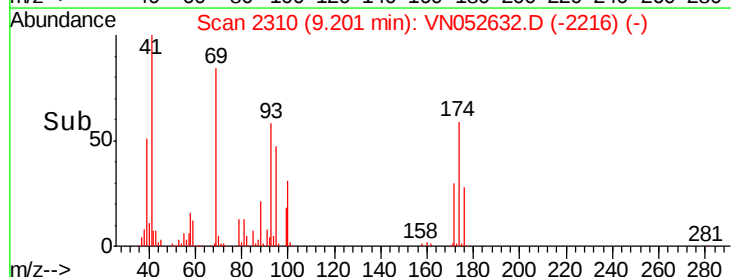
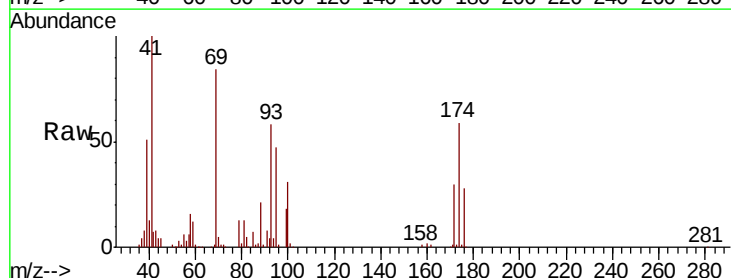
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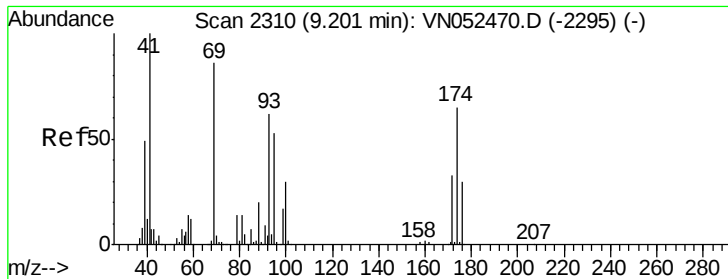
MMDadoda
12/4/2018 2:56:54 PM



#48
Methyl methacrylate
Concen: 19.442 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	148899		
69	87.9		70.0	105.0
39	53.2		42.6	64.0





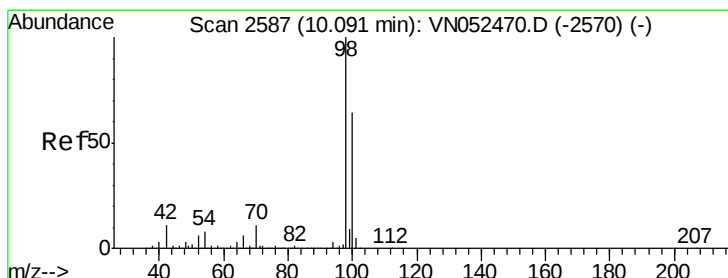
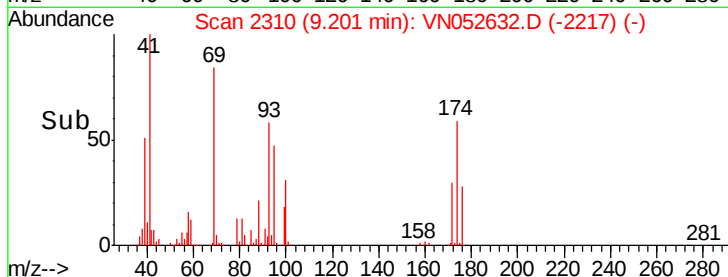
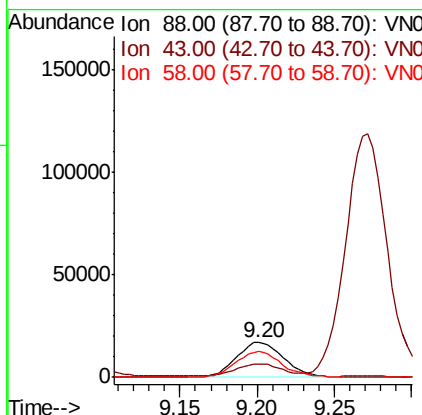
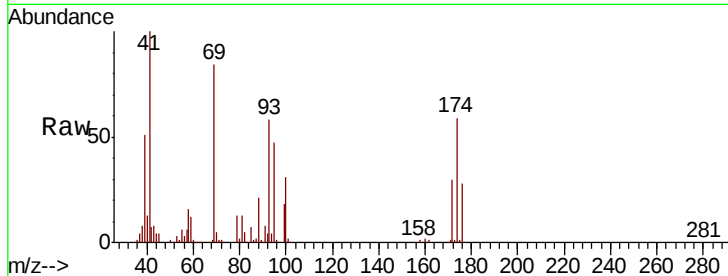
#49
1,4-Dioxane
Concen: 457.874 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion	88	Resp	36394
Ion Ratio	Lower	Upper	
88	100		
43	32.7	26.4	39.6
58	71.9	55.4	83.0

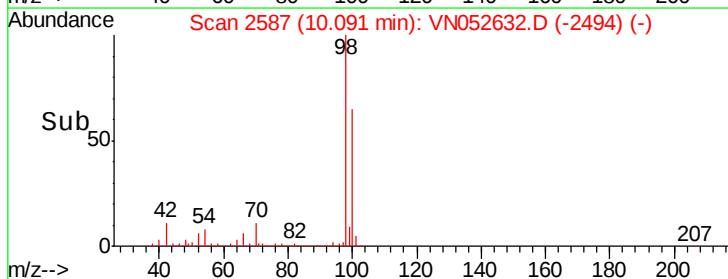
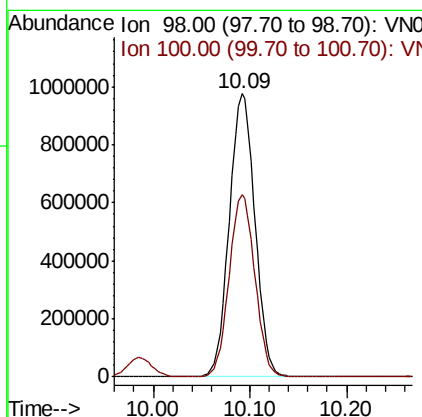
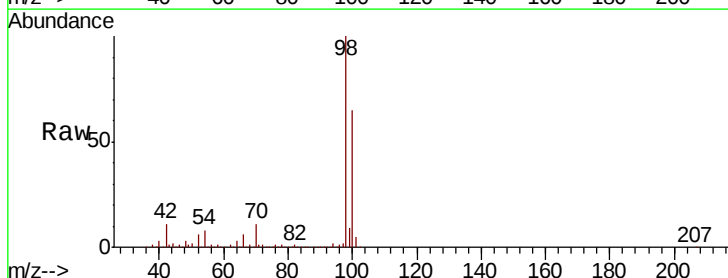
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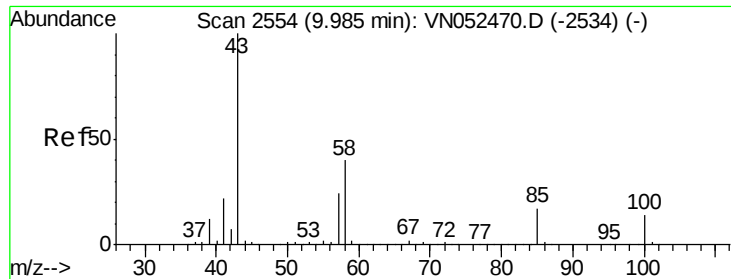
MMDadoda
12/4/2018 2:56:54 PM



#50
Toluene-d8
Concen: 457.874 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion	98	Resp	1797745
Ion Ratio	Lower	Upper	
98	100		
100	64.4	51.3	76.9





#51

4-Methyl-2-Pentanone

Concen: 100.347 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Instrument :

MSVOA_N

ClientSampled :

VN1203WBSD01

Tot Ion: 43 Resp: 826956

Ion Ratio Lower Upper

43 100

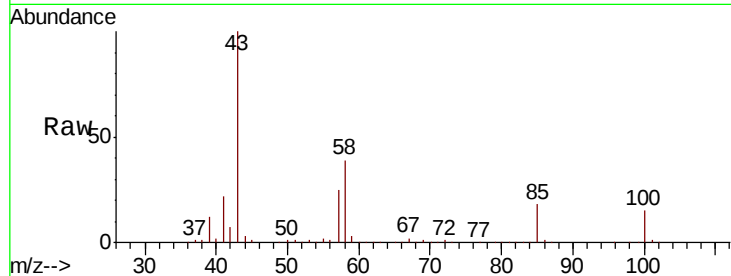
58 39.5 31.5 47.3

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

500000

400000

300000

200000

100000

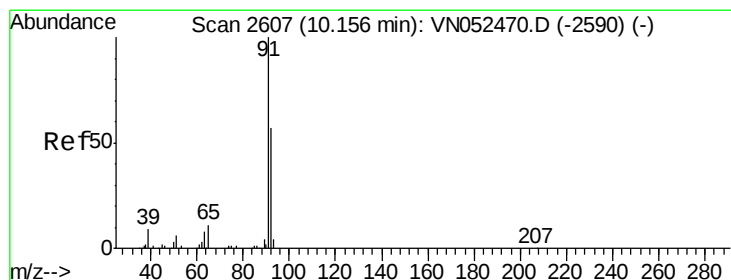
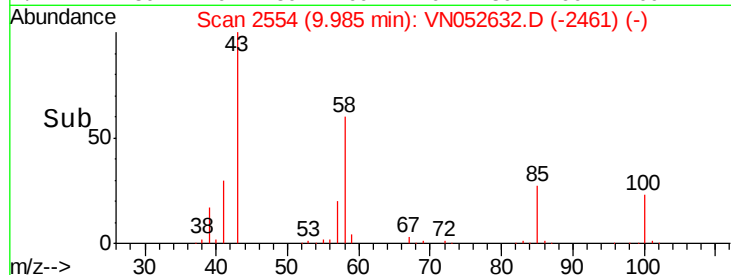
0

9.90

10.00

10.10

Time-->



#52

Toluene

Concen: 19.573 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052632.D

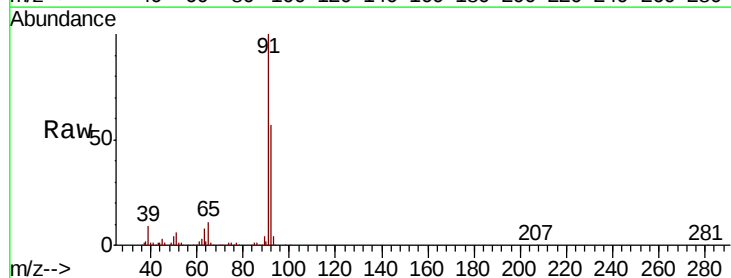
Acq: 3 Dec 2018 15:36

Tgt Ion: 92 Resp: 492888

Ion Ratio Lower Upper

92 100

91 173.0 141.0 211.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

500000

400000

300000

200000

100000

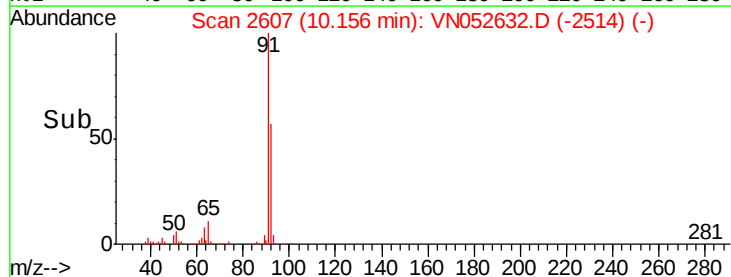
0

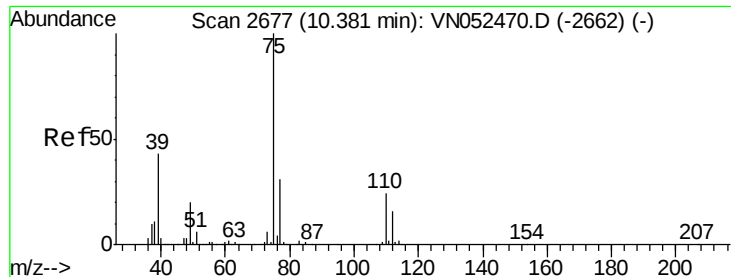
10.10

10.20

10.30

Time-->





#53

t-1,3-Dichloropropene

Concen: 18.879 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD01

Tot Ion: 75 Resp: 246319

Ion Ratio Lower Upper

75 100

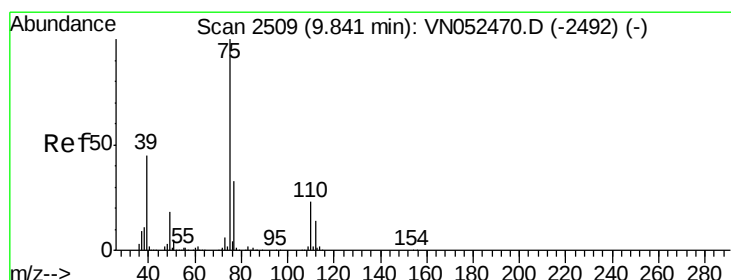
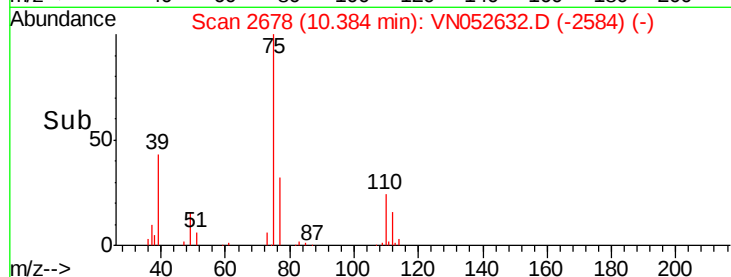
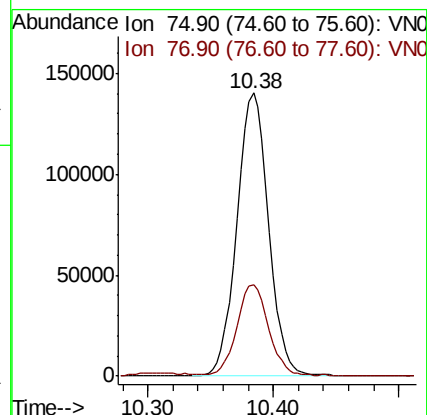
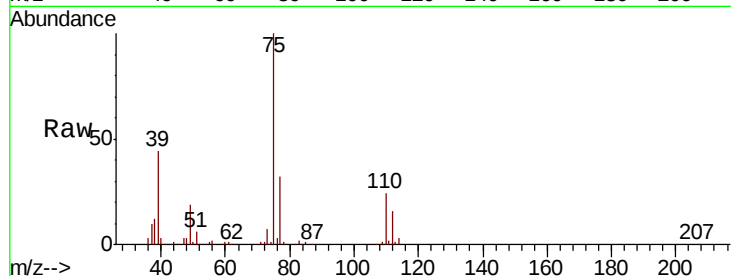
77 32.1 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 18.793 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

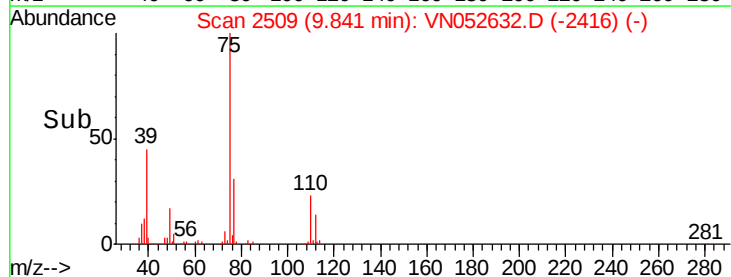
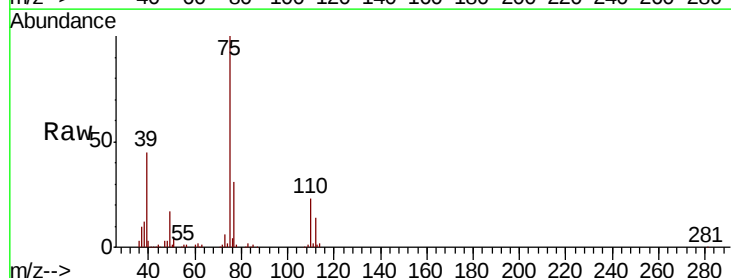
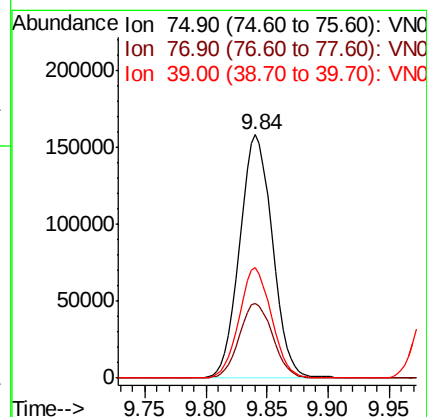
Tgt Ion: 75 Resp: 293839

Ion Ratio Lower Upper

75 100

77 30.8 26.2 39.2

39 45.1 36.0 54.0





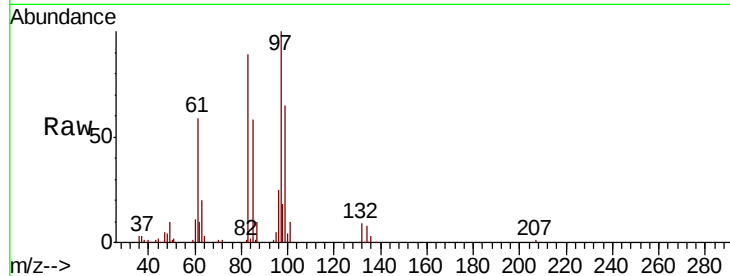
#55
 1,1,2-Trichloroethane
 Concen: 19.960 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD01

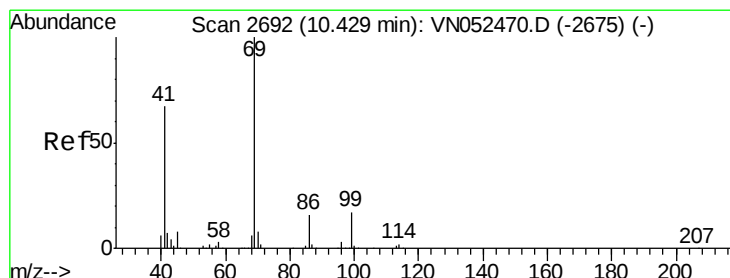
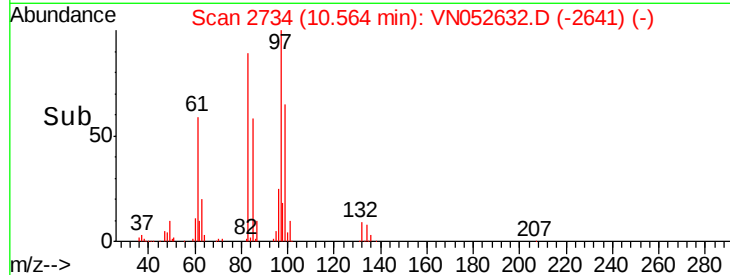
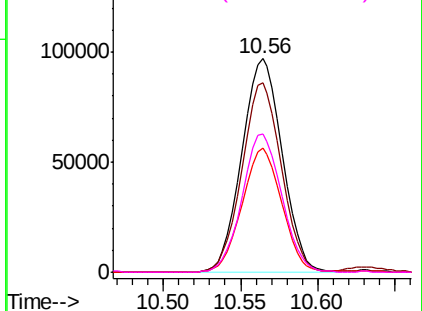
Tot Ion:	97	Resp:	176802
Ion	Ratio	Lower	Upper
97	100		
83	88.9	70.7	106.1
85	58.1	46.1	69.1
99	64.6	50.8	76.2

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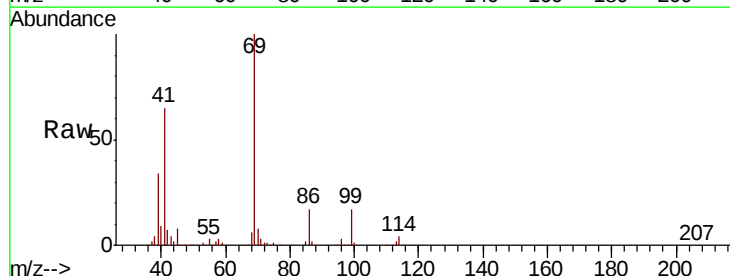


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

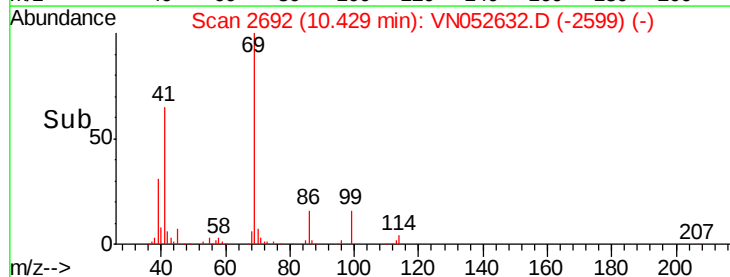
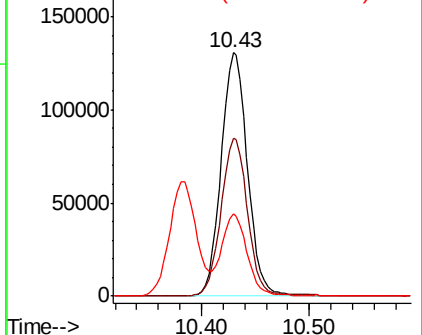


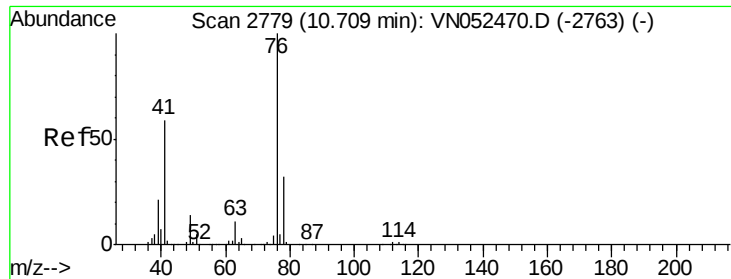
#56
 Ethyl methacrylate
 Concen: 19.798 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Tgt Ion:	69	Resp:	222359
Ion	Ratio	Lower	Upper
69	100		
41	64.0	52.6	79.0
39	31.8	25.9	38.9



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.221 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD01

Tot Ion: 76 Resp: 300617

Ion Ratio Lower Upper

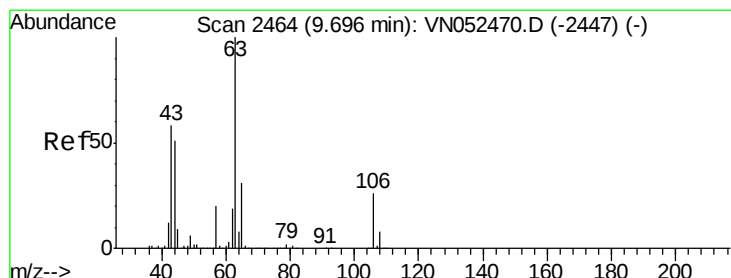
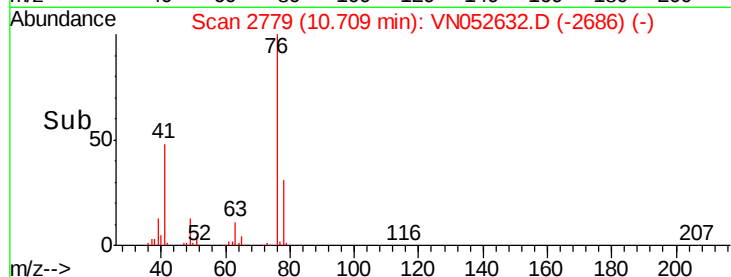
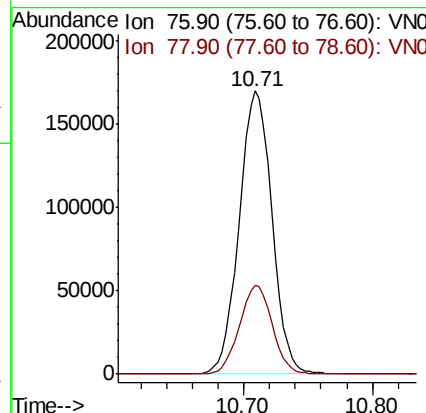
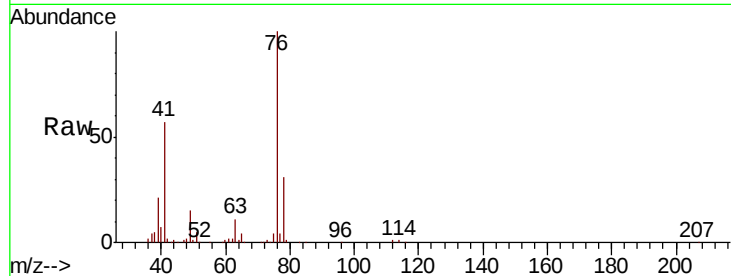
76 100

78 31.4 25.6 38.4

Manual Integrations
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#58

2-Chloroethyl Vinyl ether

Concen: 100.580 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN052632.D

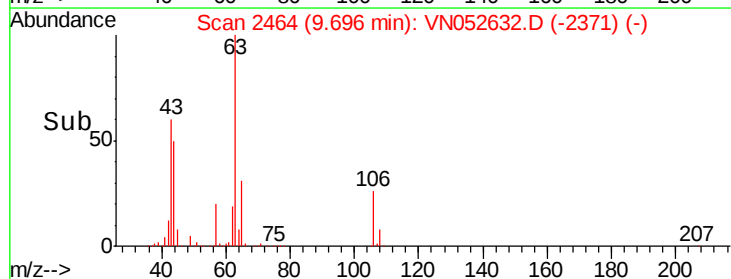
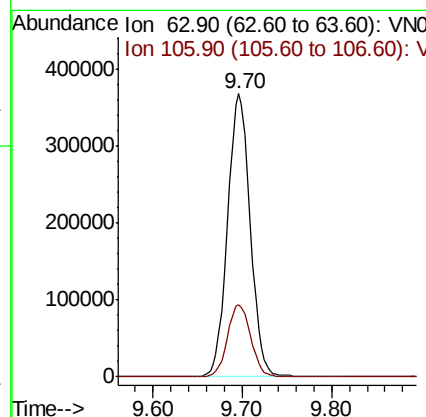
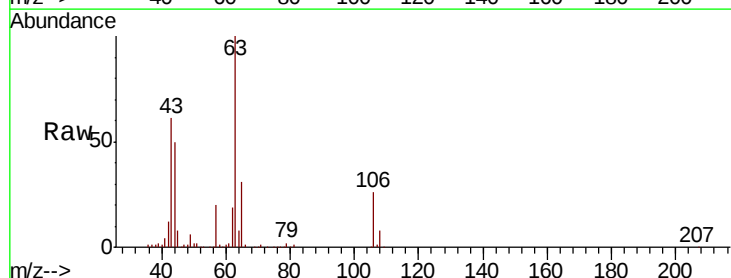
Acq: 3 Dec 2018 15:36

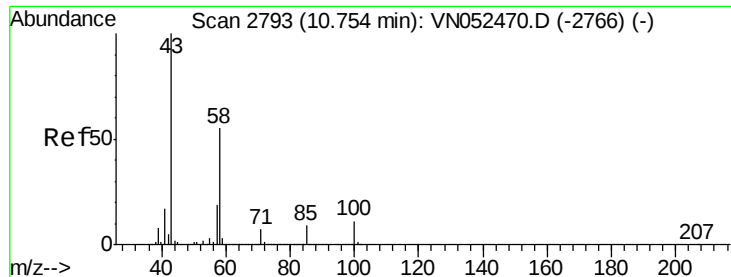
Tgt Ion: 63 Resp: 646464

Ion Ratio Lower Upper

63 100

106 26.2 20.6 30.8





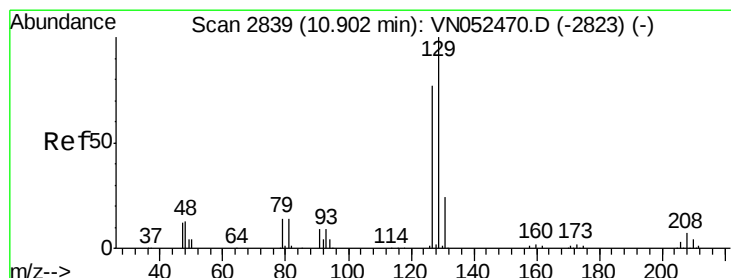
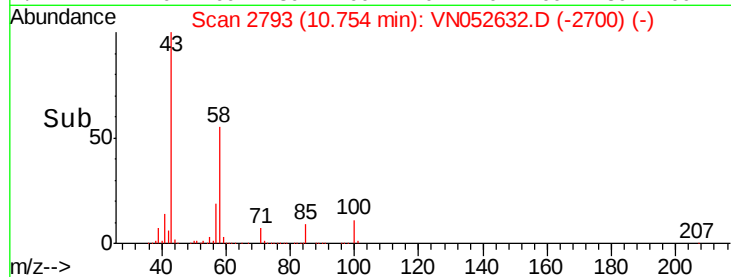
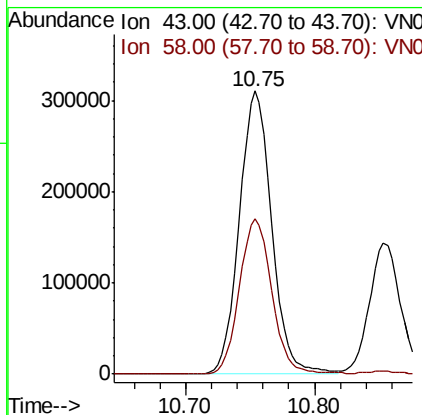
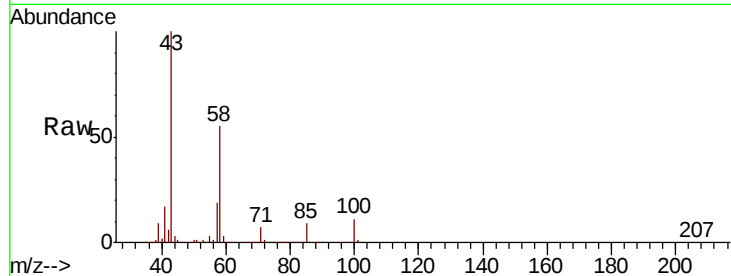
#59
2-Hexanone
Concen: 97.632 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion	43	Resp	539997
Ion Ratio	43	100	
Lower	58	55.3	27.4
Upper			82.0

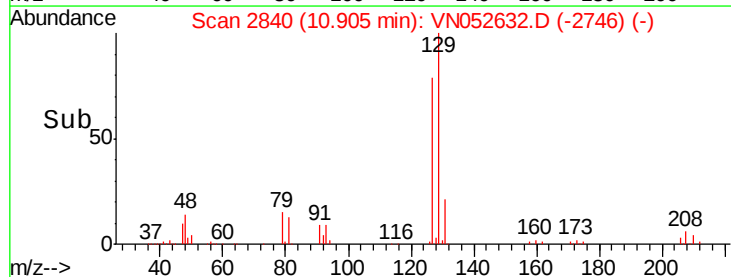
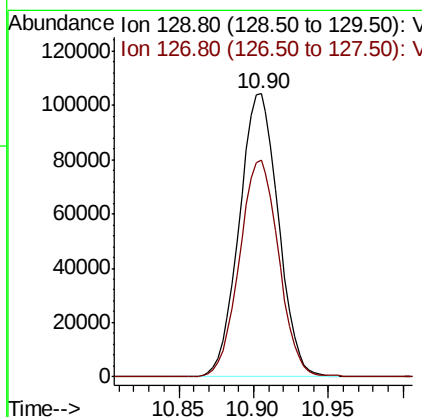
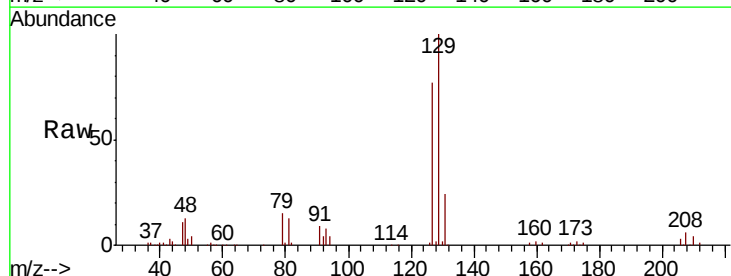
Manual Integrations
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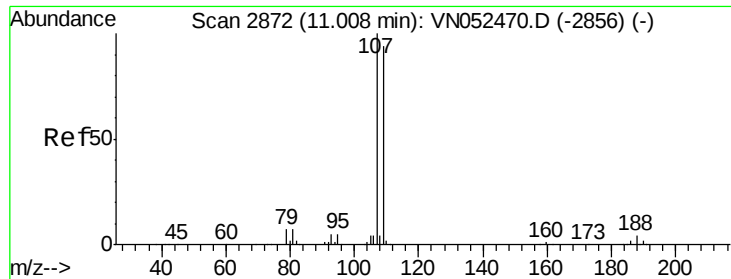
MMDadoda
12/4/2018 2:56:54 PM



#60
Dibromochloromethane
Concen: 19.781 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion	129	Resp	190296
Ion Ratio	129	100	
Lower	127	76.7	38.9
Upper			116.6





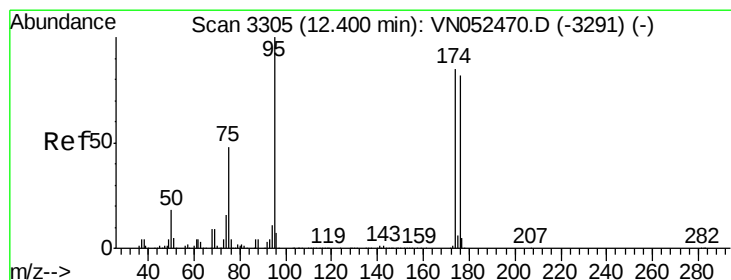
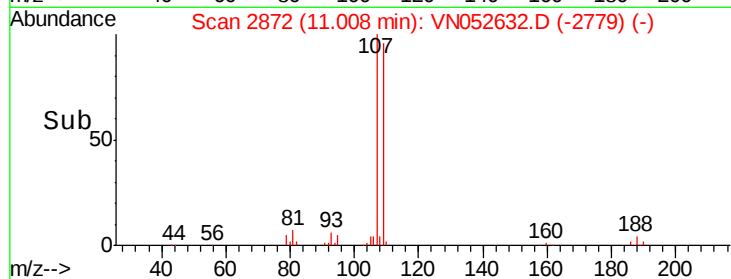
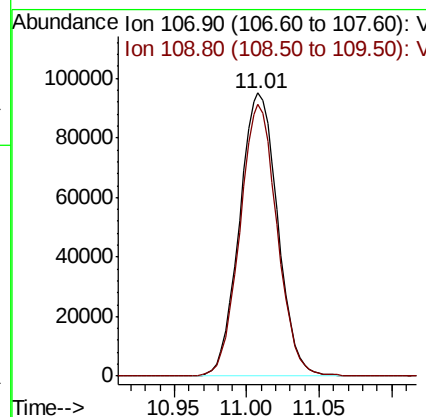
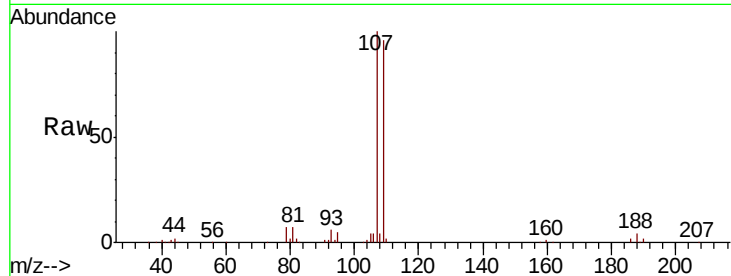
#61
1,2-Dibromoethane
Concen: 19.805 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion: 107 Resp: 174239
Ion Ratio Lower Upper
107 100
109 93.6 75.6 113.4

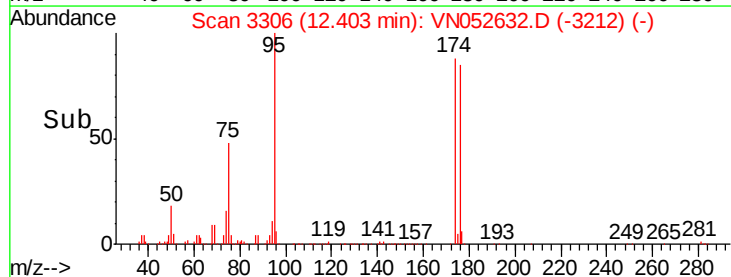
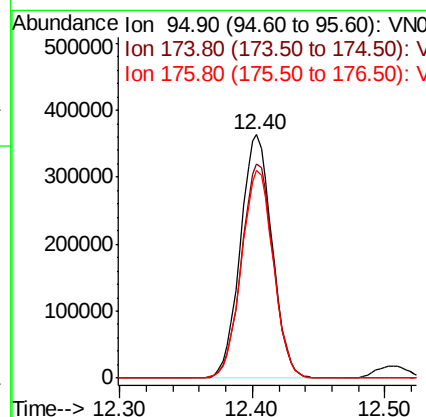
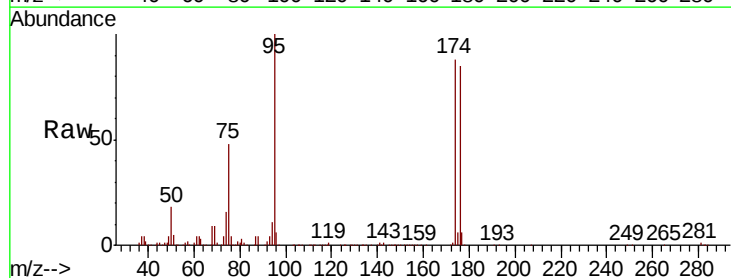
Manual Integrations
APPROVED

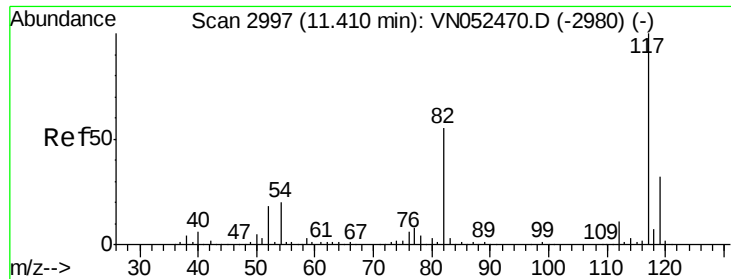
MMDadoda
12/4/2018 2:56:54 PM



#62
4-Bromofluorobenzene
Concen: 19.805 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion: 95 Resp: 601971
Ion Ratio Lower Upper
95 100
174 88.6 0.0 173.0
176 86.0 0.0 166.2





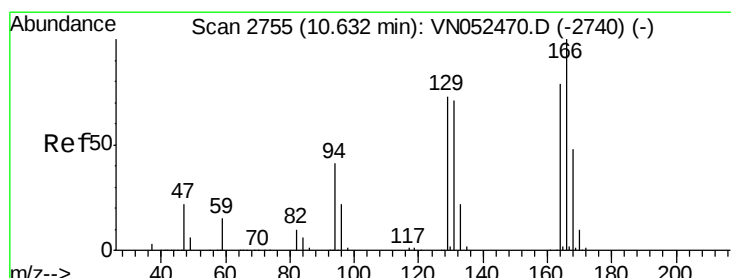
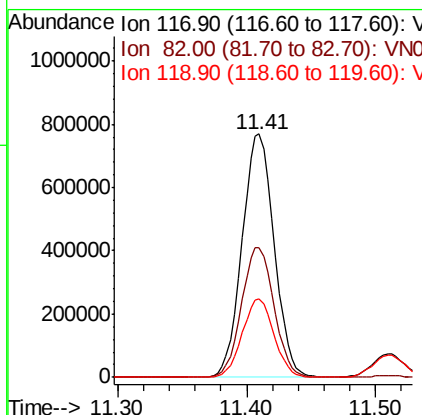
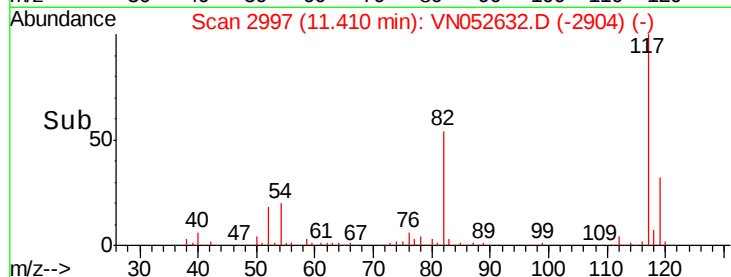
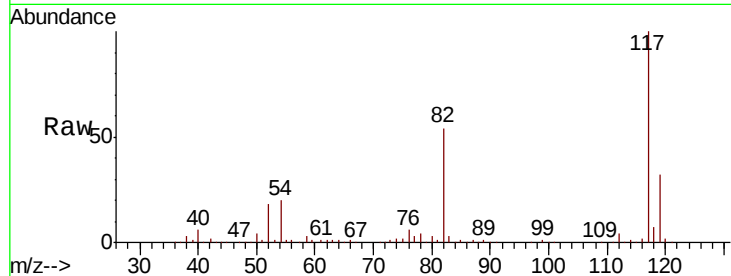
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion:117 Resp: 1331637
Ion Ratio Lower Upper
117 100
82 53.5 43.6 65.4
119 32.1 25.4 38.2

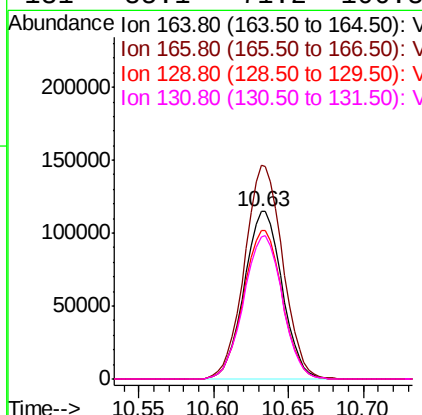
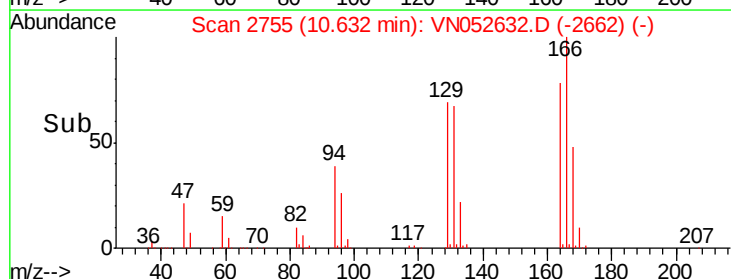
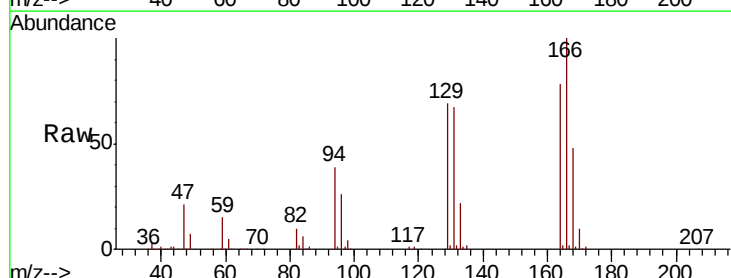
Manual Integrations
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#64
Tetrachloroethene
Concen: 19.679 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion:164 Resp: 203175
Ion Ratio Lower Upper
164 100
166 127.6 101.0 151.4
129 88.4 73.8 110.6
131 85.1 71.2 106.8





#65

Chlorobenzene

Concen: 19.400 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD01

Tot Ion:112 Resp: 532688

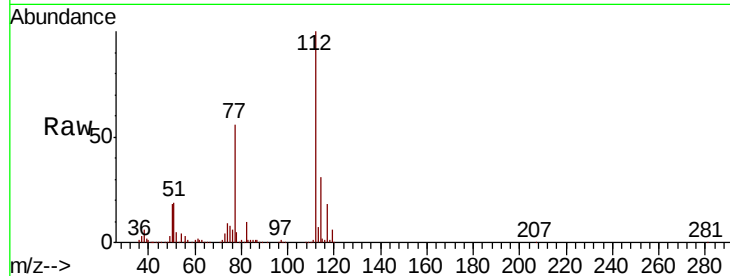
Ion Ratio Lower Upper

112 100

114 31.5 25.8 38.6

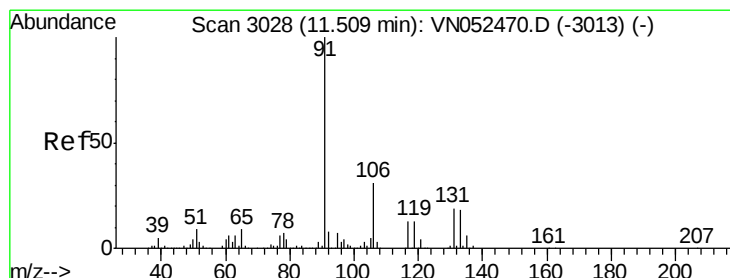
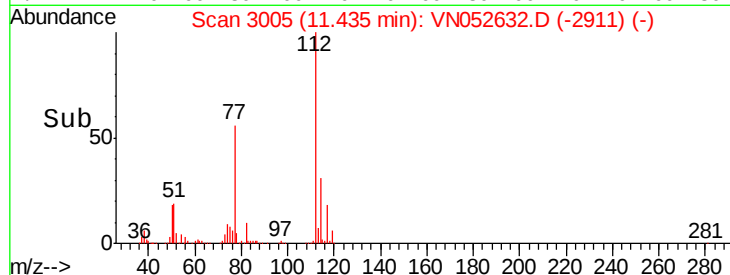
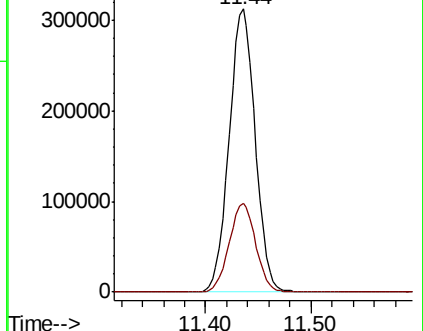
Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.357 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

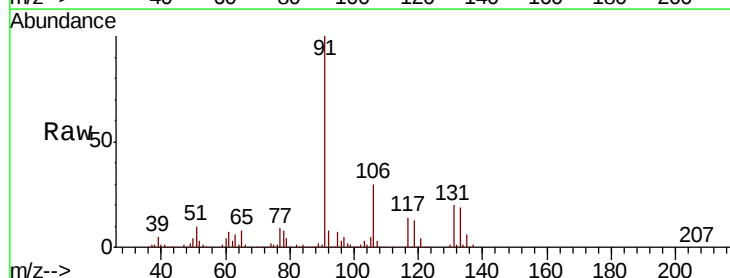
Tgt Ion:131 Resp: 184805

Ion Ratio Lower Upper

131 100

133 96.3 47.6 142.8

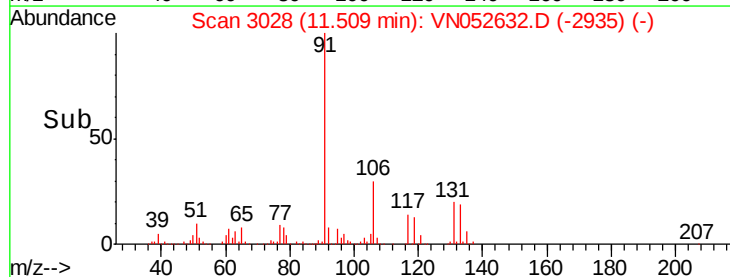
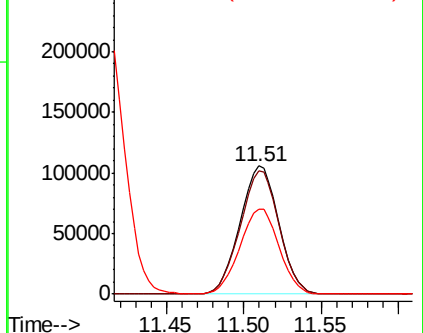
119 67.3 33.2 99.6

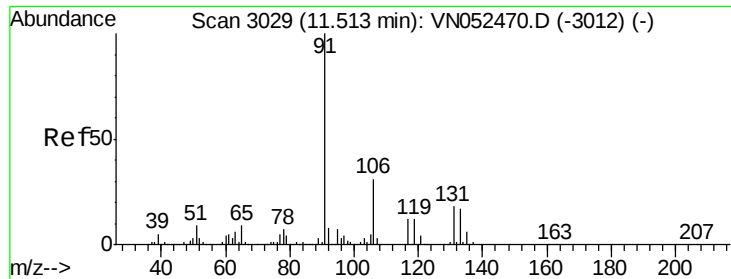


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 18.921 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. -0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD01

Tot Ion: 91 Resp: 909785

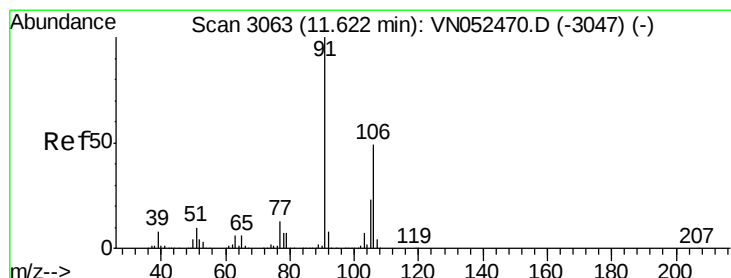
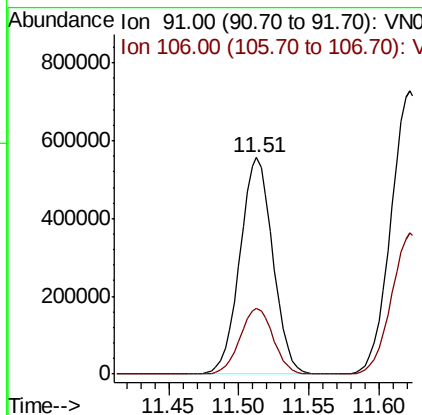
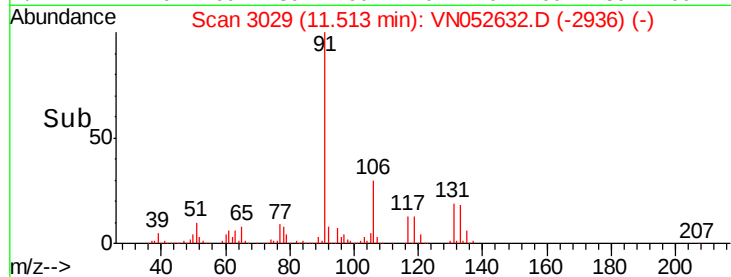
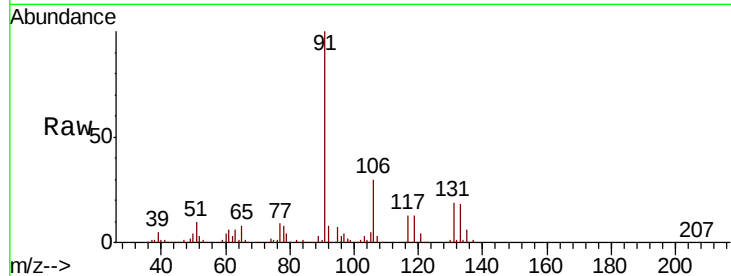
Ion Ratio Lower Upper

91 100

106 30.3 24.9 37.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 38.328 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052632.D

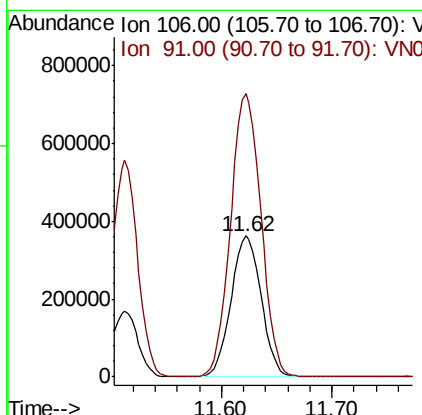
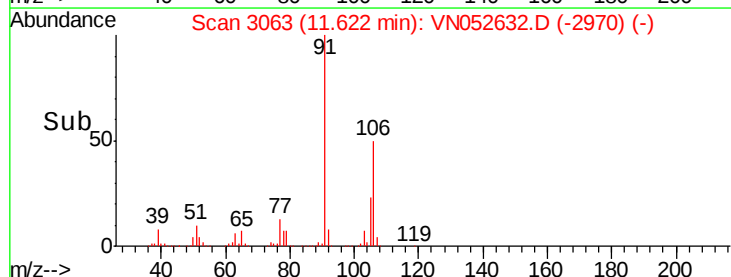
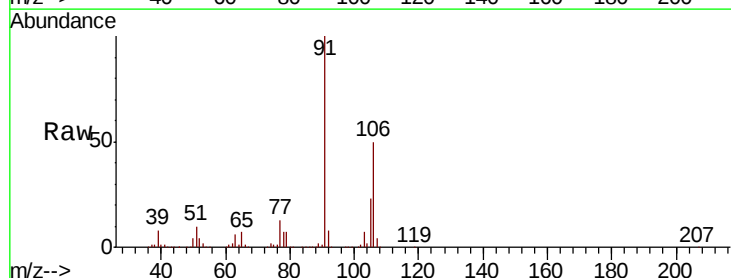
Acq: 3 Dec 2018 15:36

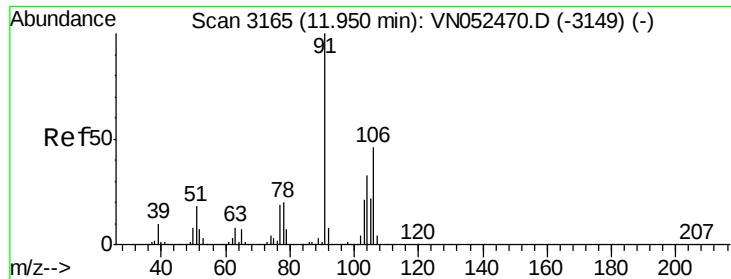
Tgt Ion: 106 Resp: 686085

Ion Ratio Lower Upper

106 100

91 202.3 163.2 244.8





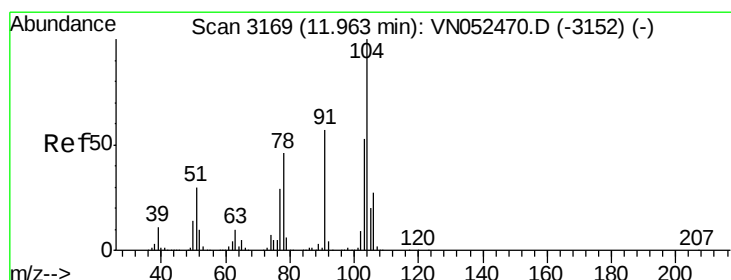
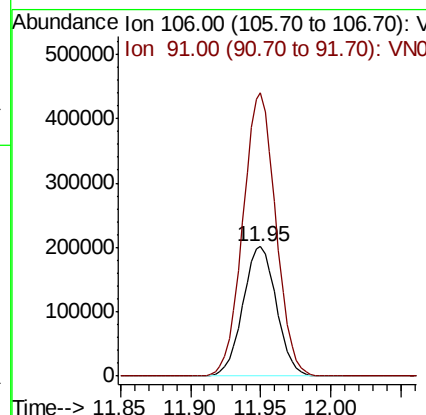
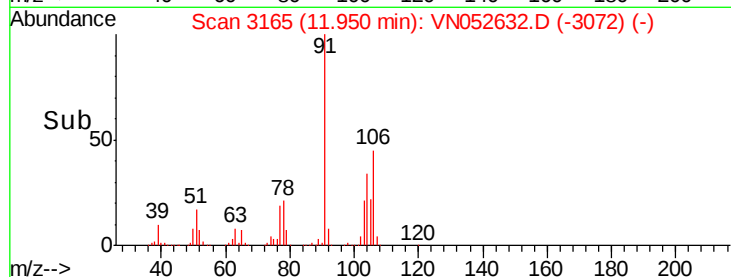
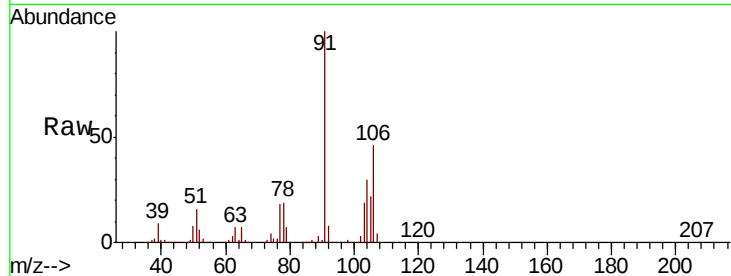
#69
o-Xylene
Concen: 19.277 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	214.7	107.7	323.1	

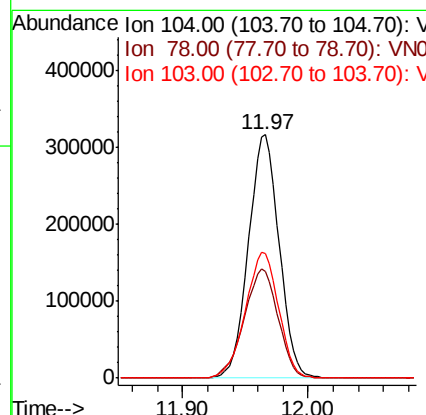
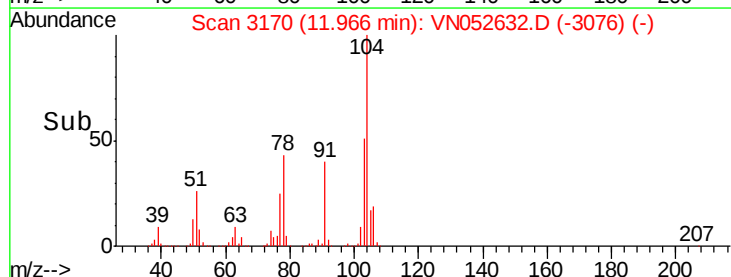
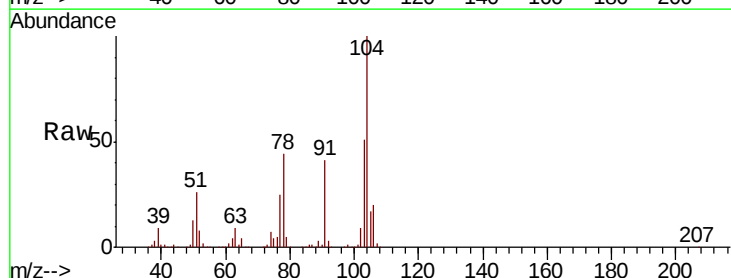
Manual Integrations
APPROVED

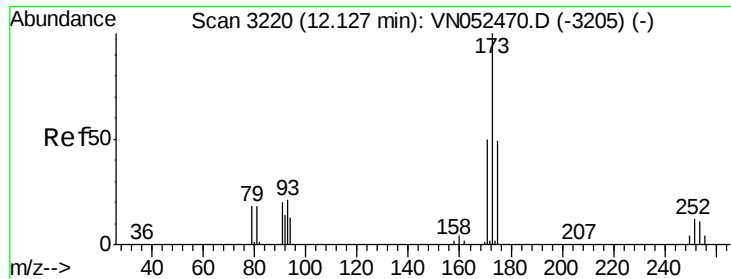
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#70
Styrene
Concen: 19.432 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	49.7	39.4	59.2	
103	55.8	44.9	67.3	





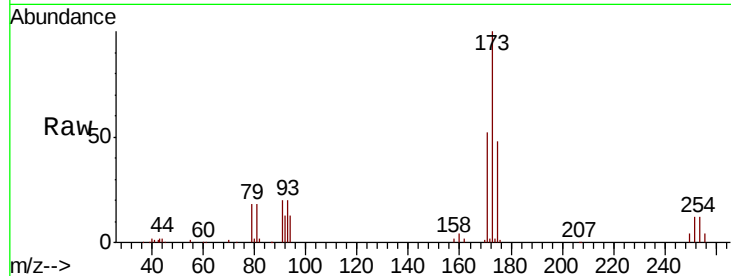
#71
Bromoform
Concen: 20.183 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.4	73.2
254	0.0	0.1	0.1#

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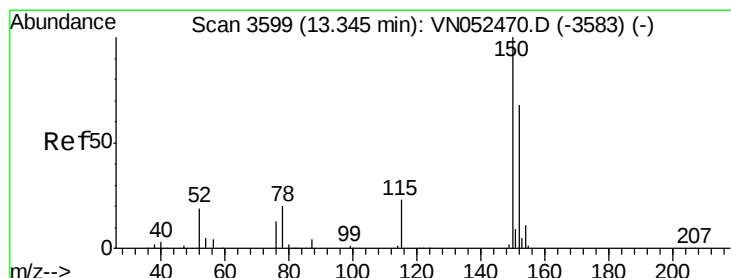
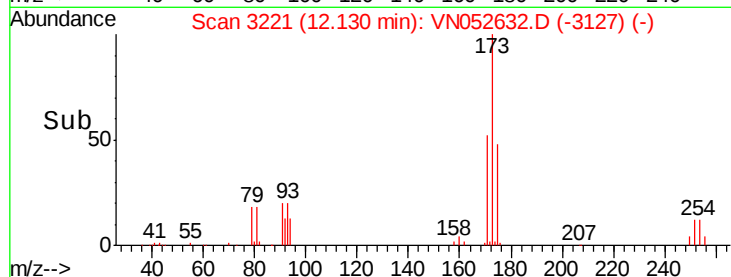
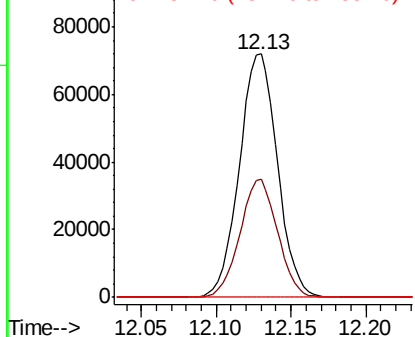


Abundance

Ion 172.70 (172.40 to 173.40): V

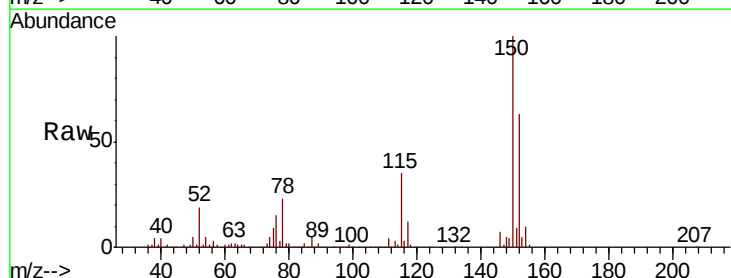
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	28.4	85.2
150	164.3	0.0	346.0

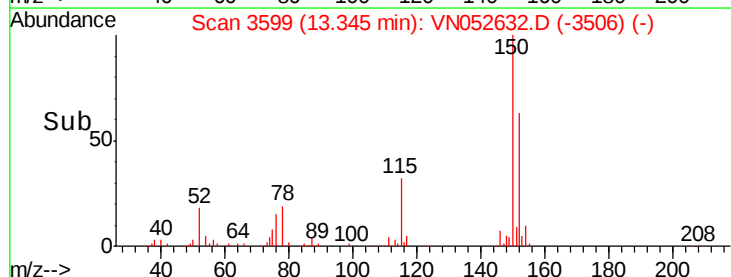
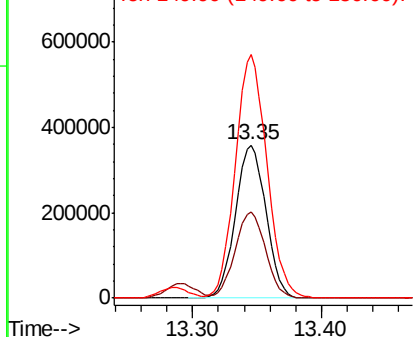


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.511 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD01

Tot Ion: 105 Resp: 901812

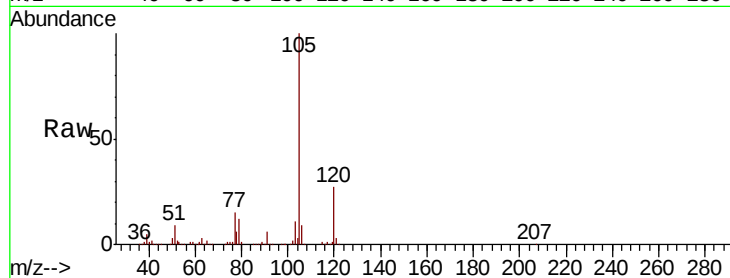
Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.3

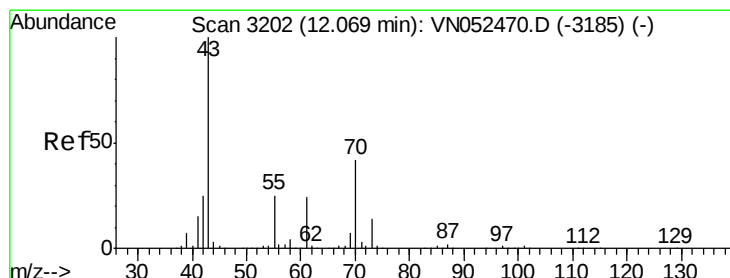
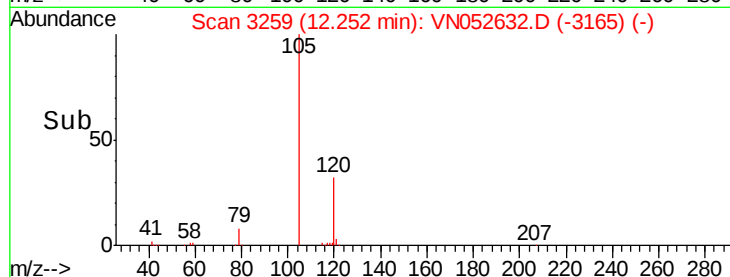
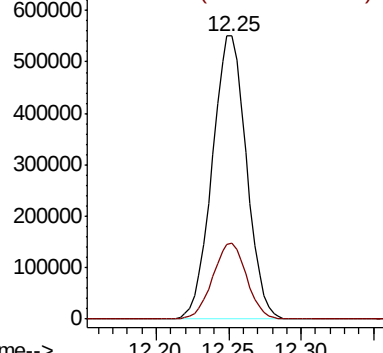
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.104 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Tgt Ion: 43 Resp: 234754

Ion Ratio Lower Upper

43 100

70 42.9 33.8 50.8

55 24.9 20.0 30.0

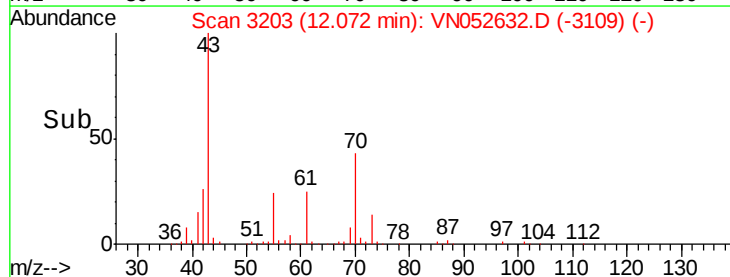
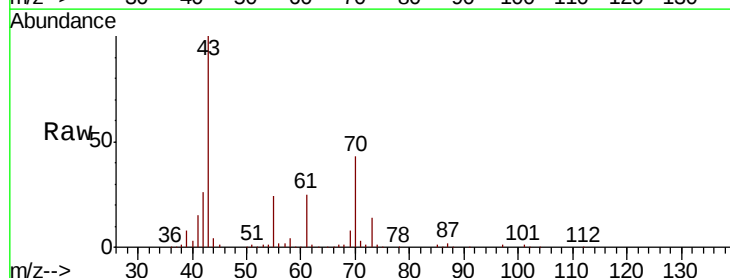
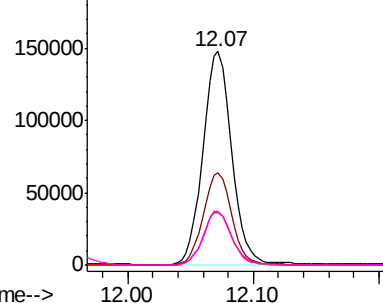
61 24.8 19.7 29.5

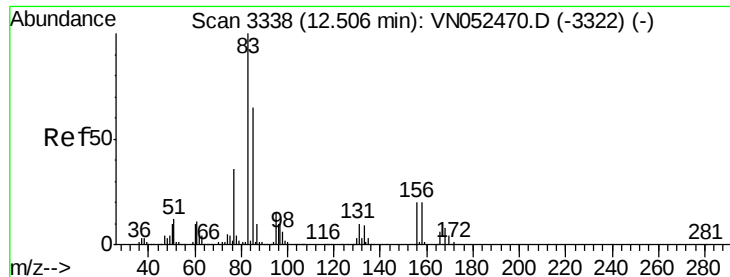
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.396 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Instrument :

MSVOA_N

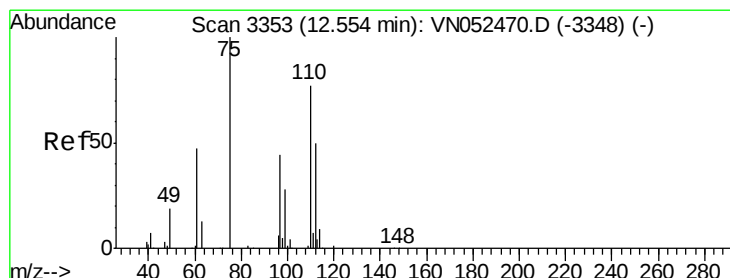
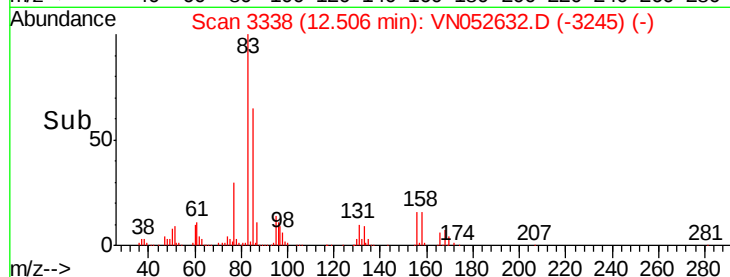
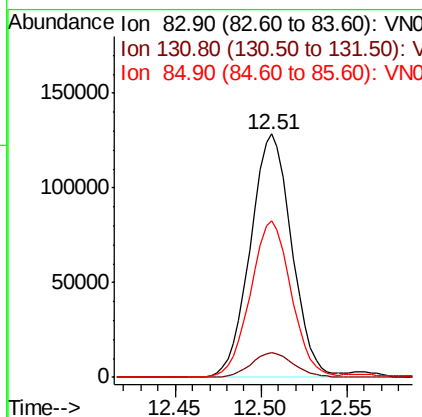
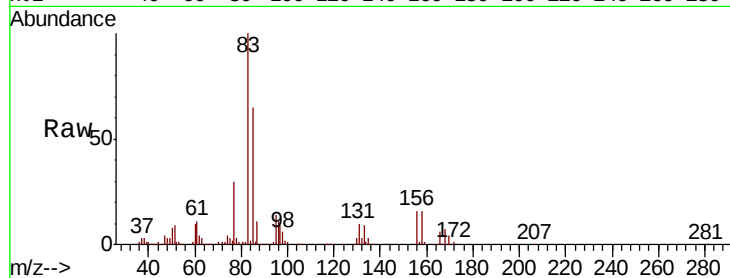
ClientSampleId :

VN1203WBSD01

Tot Ion:	83	Resp:	214454
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.0	15.0
85	63.4	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 19.996 ug/l m

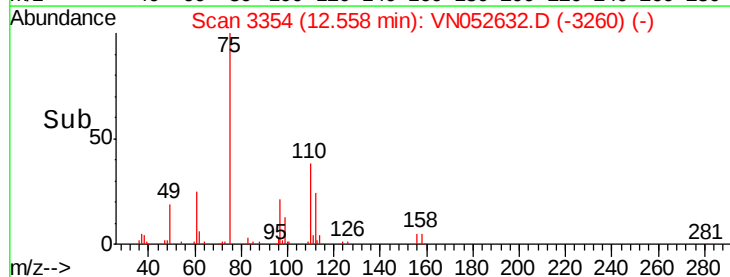
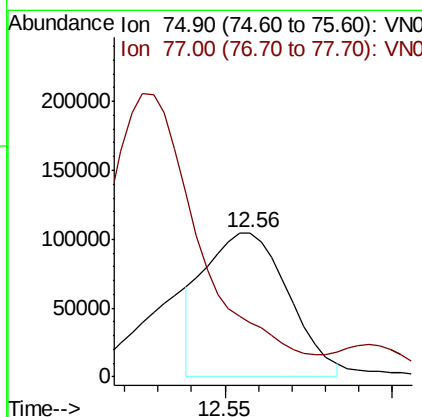
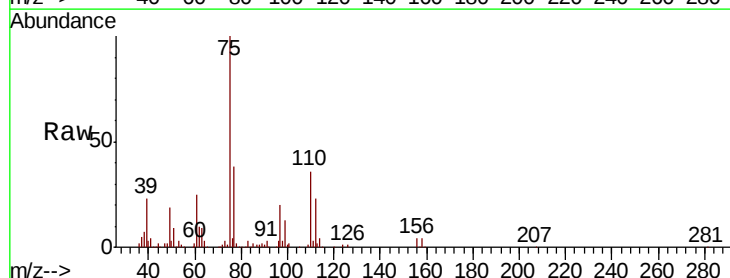
RT: 12.56 min Scan# 3354

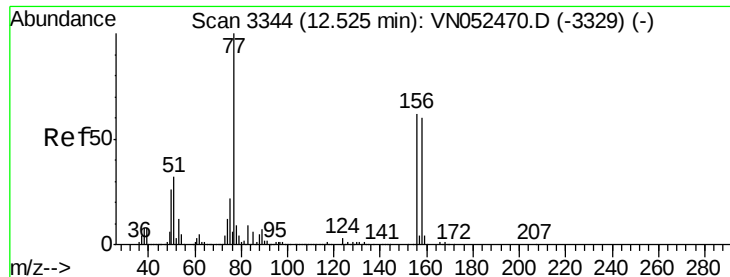
Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Tgt Ion:	75	Resp:	181656
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.468 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Instrument :

MSVOA_N

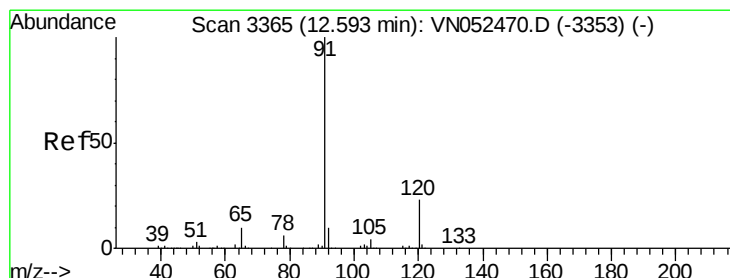
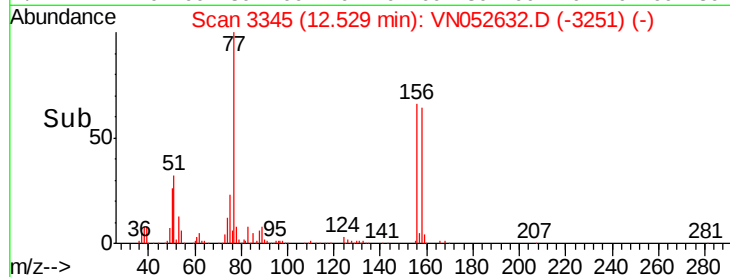
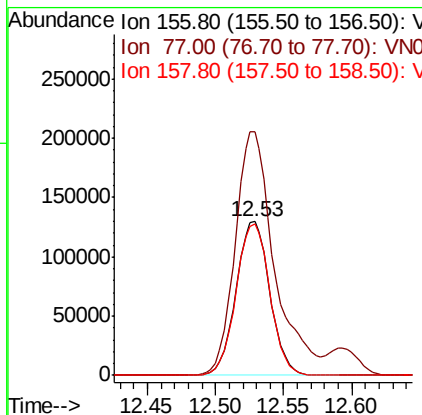
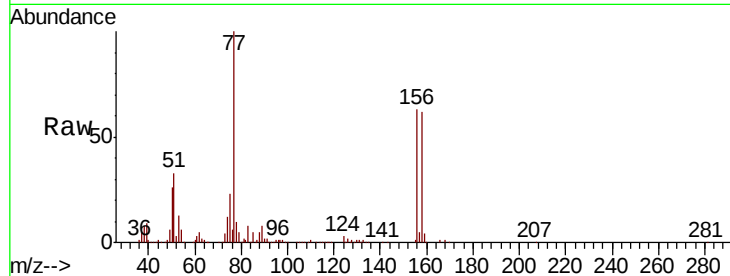
ClientSampleId :

VN1203WBSD01

Tot Ion:	156	Resp:	222415
Ion Ratio	Lower	Upper	
156	100		
77	184.8	93.5	280.4
158	98.6	48.3	144.9

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#78

n-propylbenzene

Concen: 19.236 ug/l

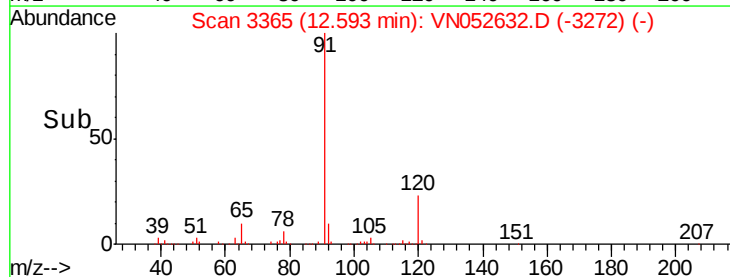
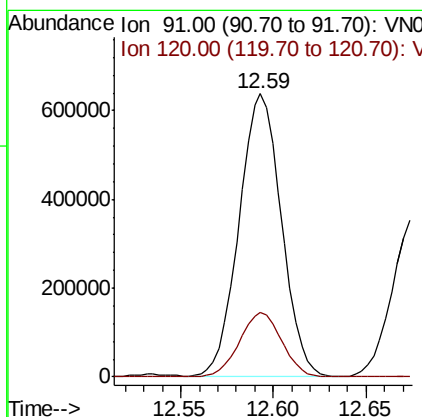
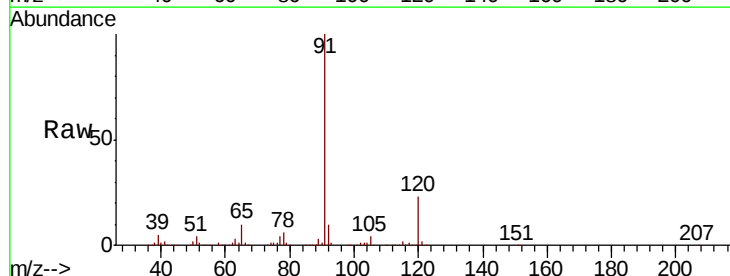
RT: 12.59 min Scan# 3365

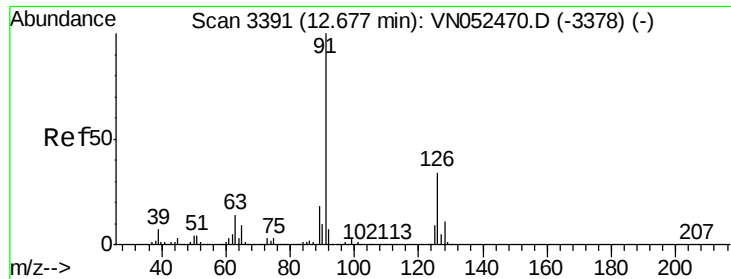
Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Tgt Ion:	91	Resp:	1010053
Ion Ratio	Lower	Upper	
91	100		
120	22.8	11.3	33.9





#79

2-Chlorotoluene

Concen: 19.292 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Instrument :

MSVOA_N

ClientSampleId :

VN1203WBSD01

Tot Ion: 91 Resp: 603254

Ion Ratio Lower Upper

91 100

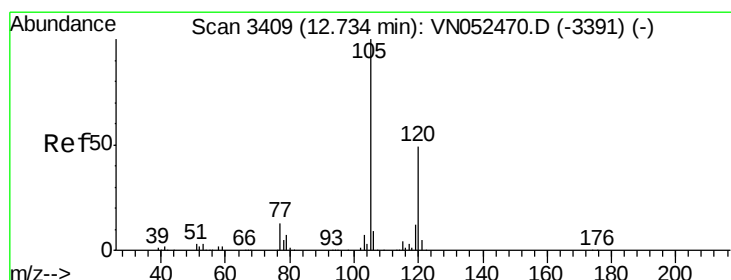
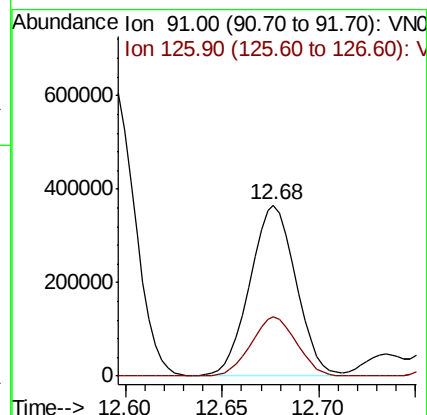
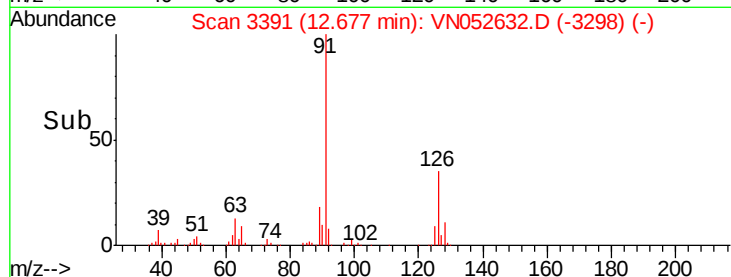
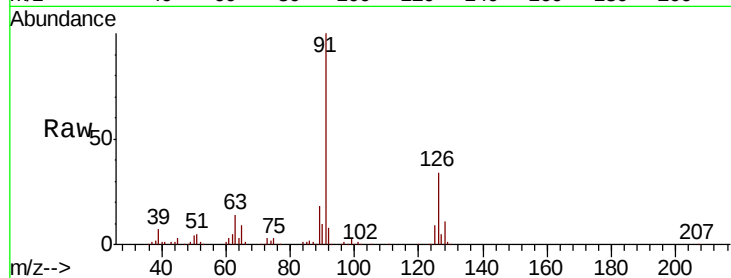
126 34.5 17.2 51.6

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#80

1,3,5-Trimethylbenzene

Concen: 19.713 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052632.D

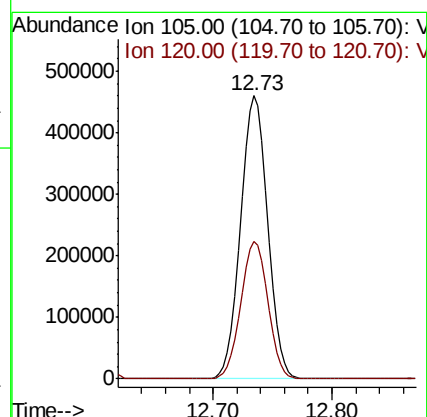
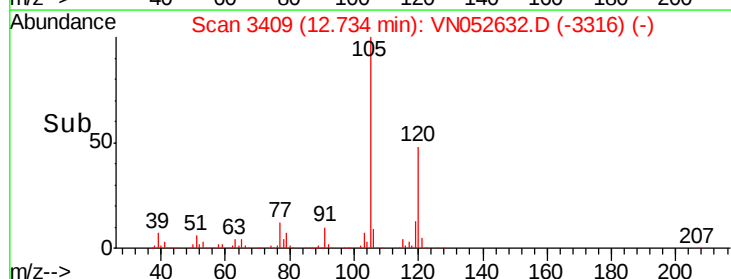
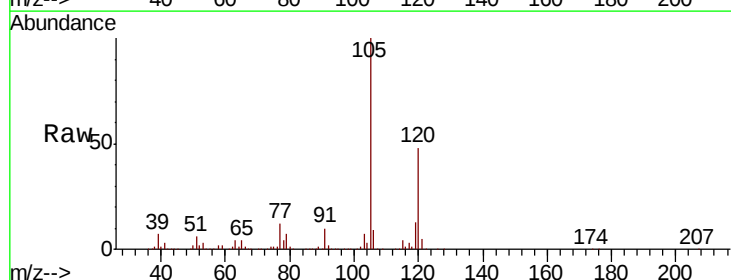
Acq: 3 Dec 2018 15:36

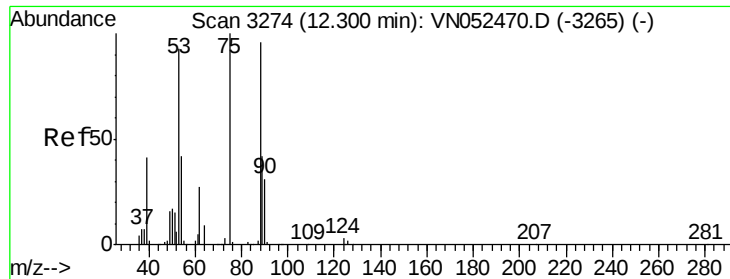
Tgt Ion: 105 Resp: 726685

Ion Ratio Lower Upper

105 100

120 48.7 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.012 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Instrument :

MSVOA_N

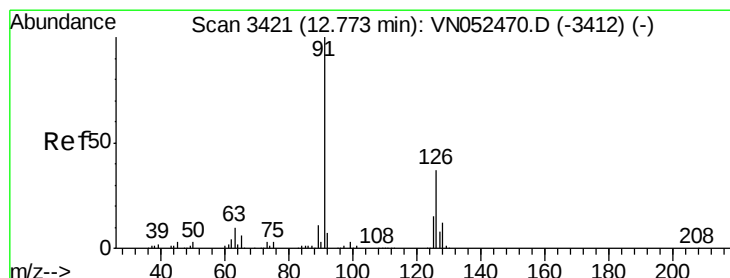
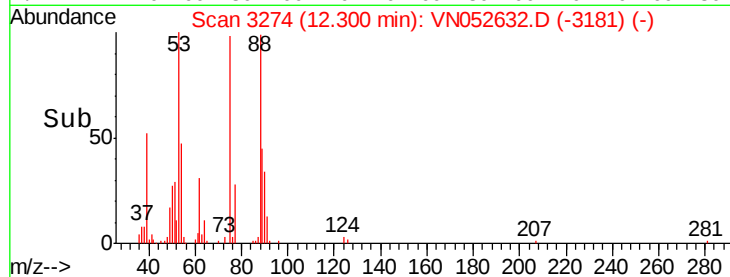
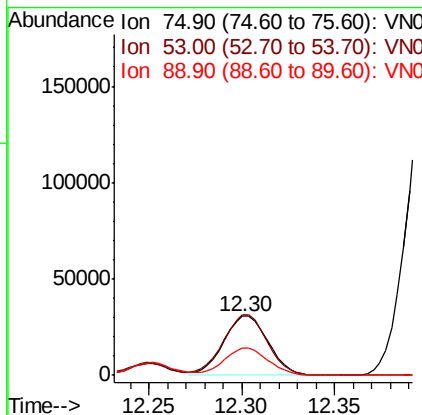
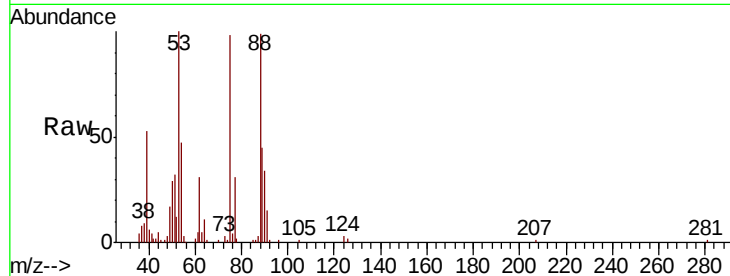
ClientSampleId :

VN1203WBSD01

Tot Ion:	75	Resp:	51721
Ion	Ratio	Lower	Upper
75	100		
53	101.2	77.4	116.0
89	45.0	35.4	53.2

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#82

4-Chlorotoluene

Concen: 18.843 ug/l

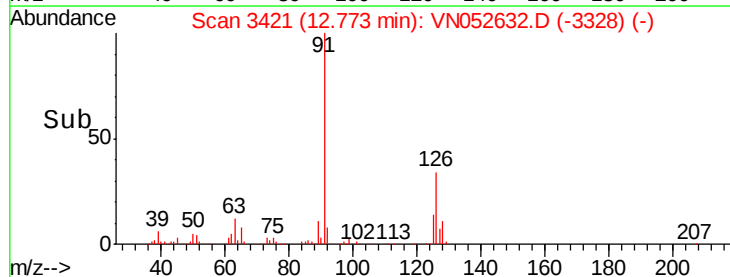
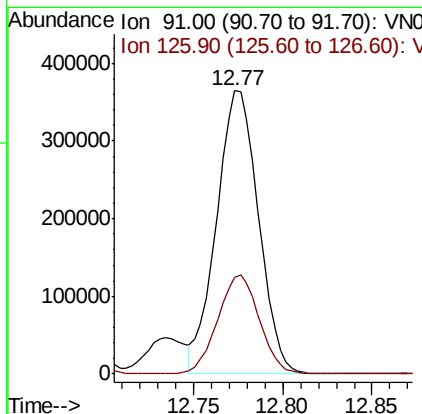
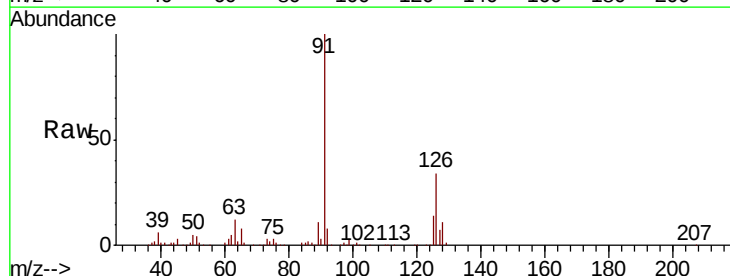
RT: 12.77 min Scan# 3421

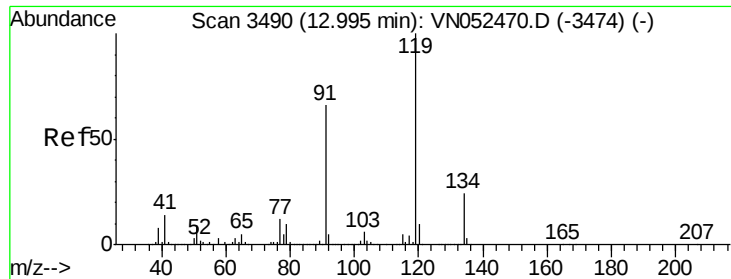
Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Tgt Ion:	91	Resp:	593839
Ion	Ratio	Lower	Upper
91	100		
126	34.6	16.9	50.6





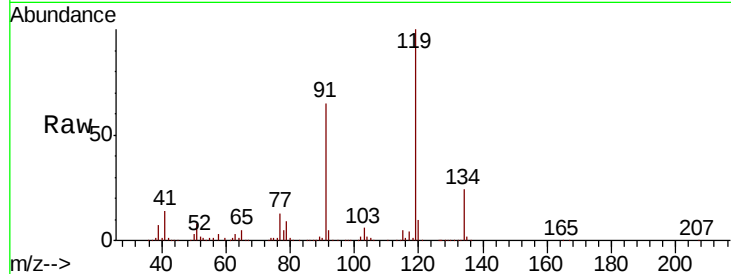
#83
 tert-Butylbenzene
 Concen: 19.433 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD01

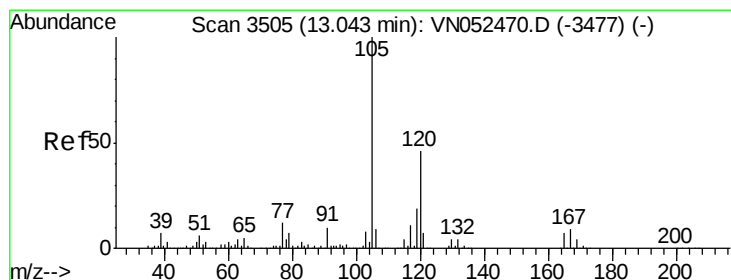
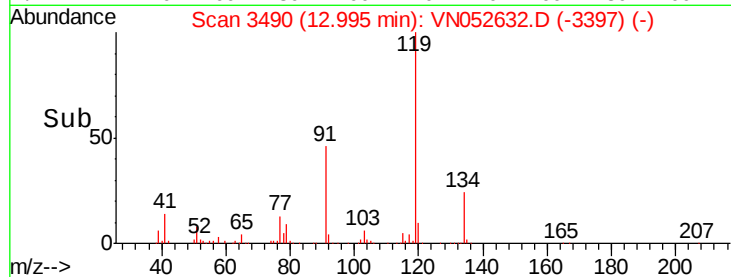
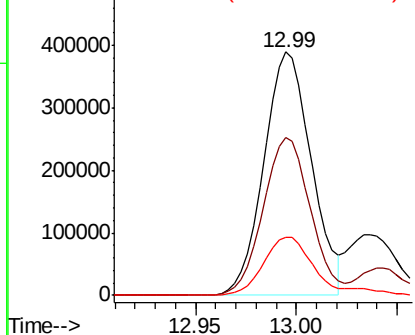
Tot Ion	Ratio	Resp	Lower	Upper
119	100	638630		
91	64.2	32.3	96.9	
134	26.2	13.0	38.9	

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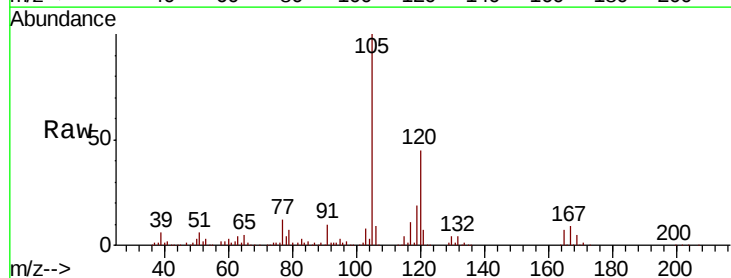


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

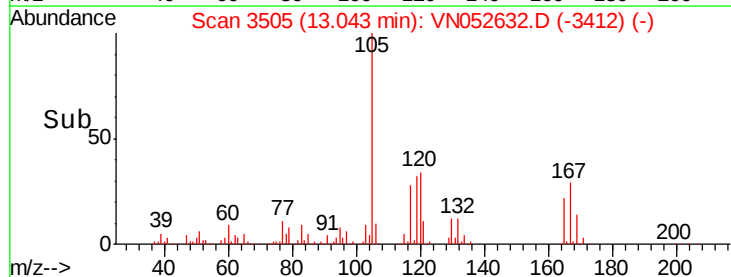
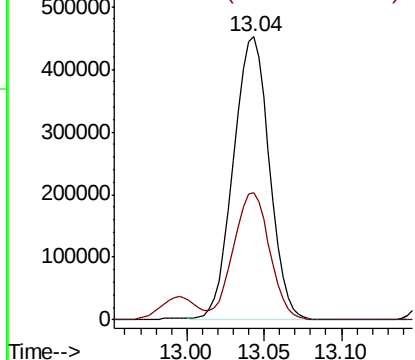


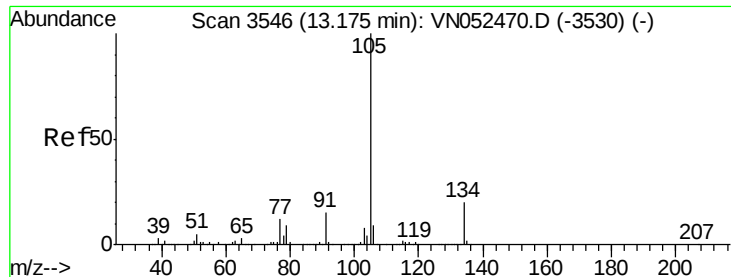
#84
 1,2,4-Trimethylbenzene
 Concen: 19.726 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.00 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	728755		
120	45.2	22.8	68.4	



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 19.541 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

Instrument :

MSVOA_N

ClientSampled :

VN1203WBSD01

Tot Ion:105 Resp: 874674

Ion Ratio Lower Upper

105 100

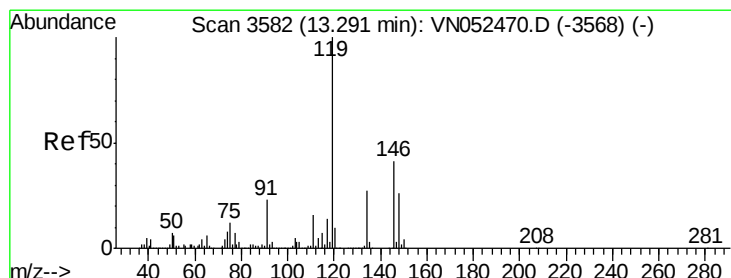
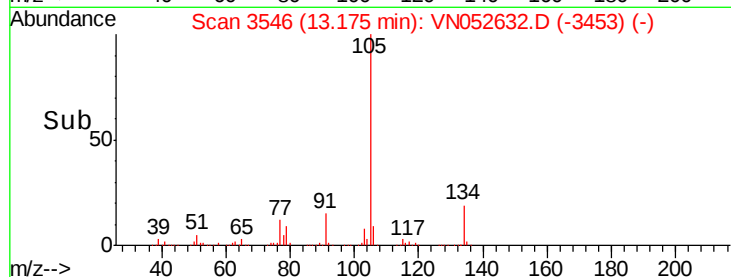
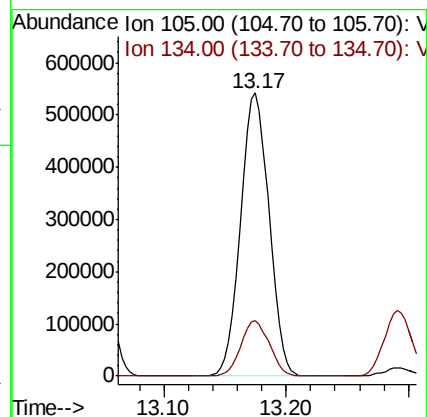
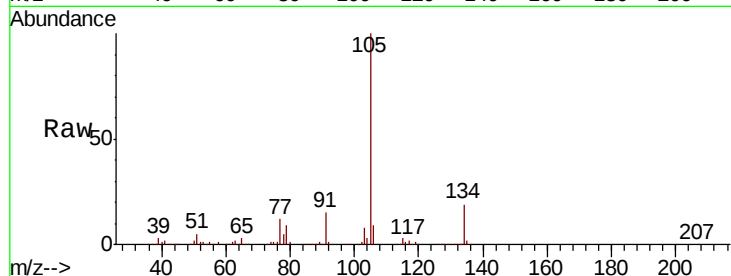
134 19.6 9.9 29.7

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#86

p-Isopropyltoluene

Concen: 19.441 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052632.D

Acq: 3 Dec 2018 15:36

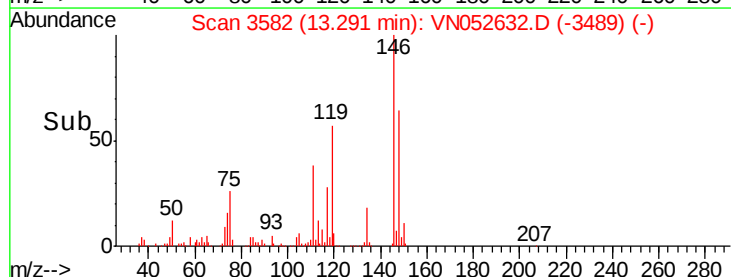
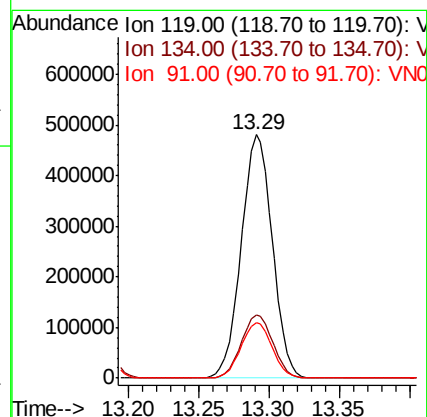
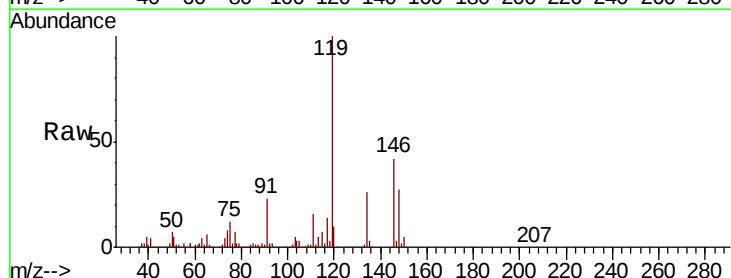
Tgt Ion:119 Resp: 741190

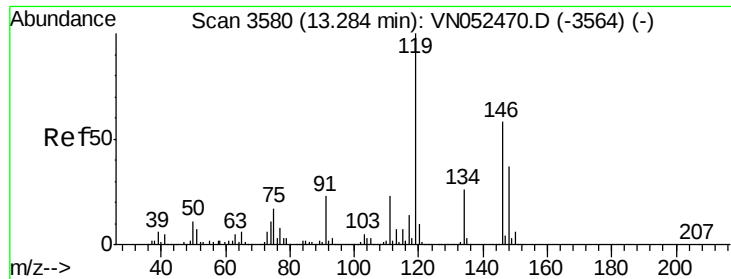
Ion Ratio Lower Upper

119 100

134 26.4 13.4 40.2

91 22.9 11.4 34.2





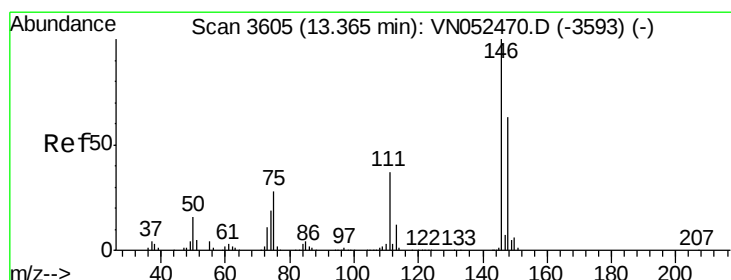
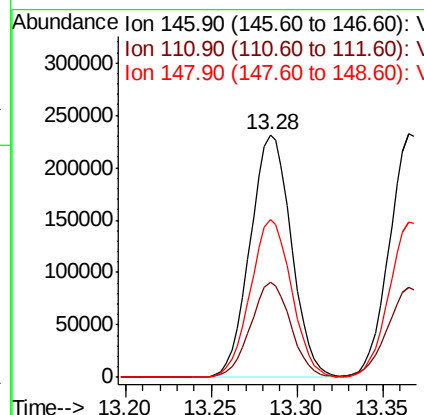
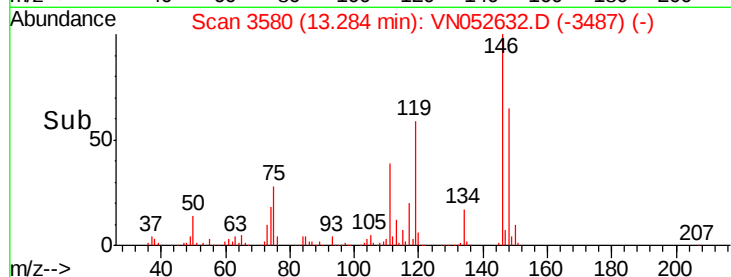
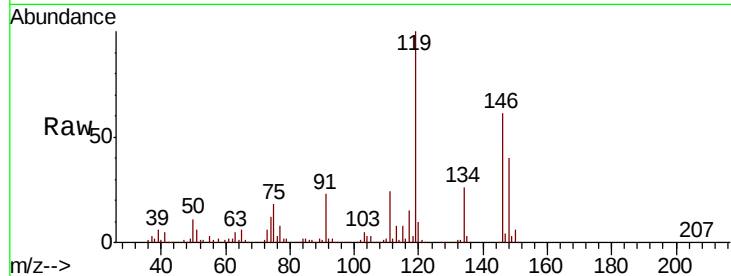
#87
 1,3-Dichlorobenzene
 Concen: 19.246 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.4
148	65.0	31.8	95.4

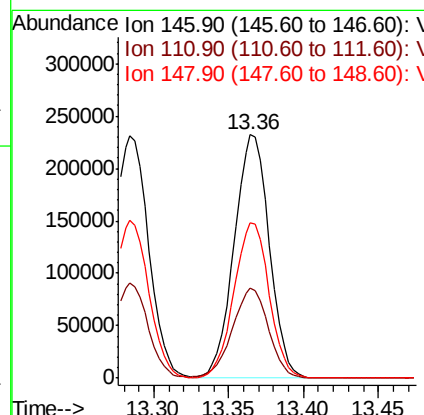
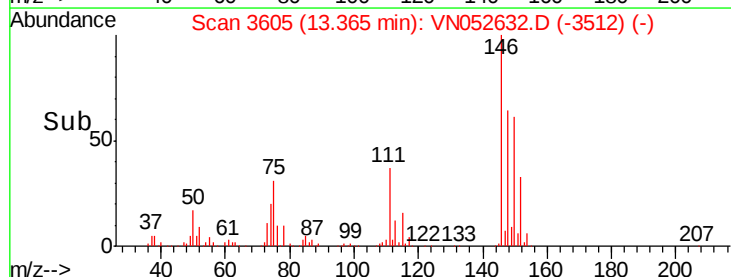
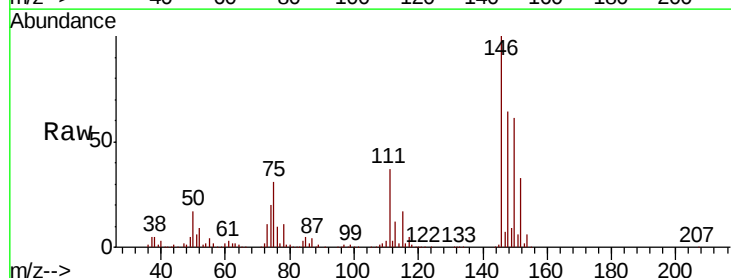
Manual Integrations
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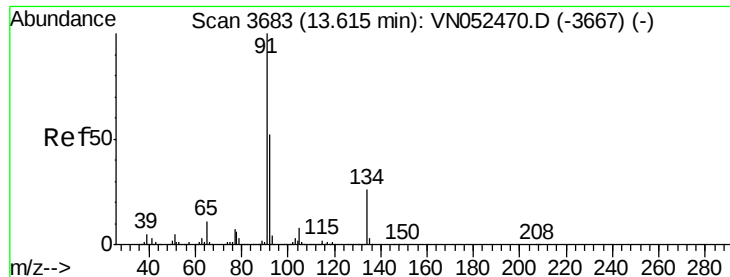
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#88
 1,4-Dichlorobenzene
 Concen: 19.310 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	18.6	56.0
148	63.9	31.9	95.9





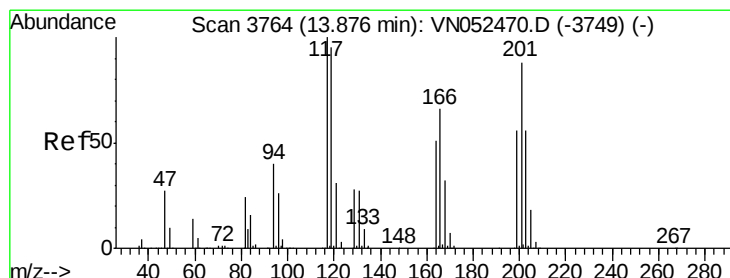
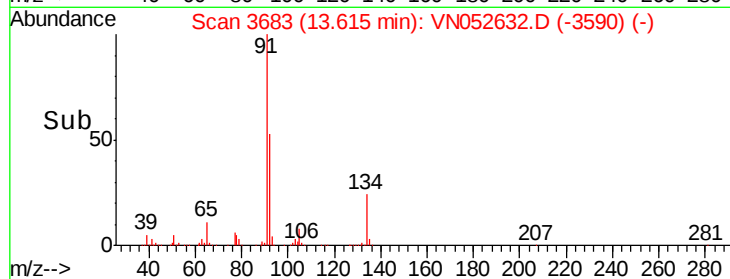
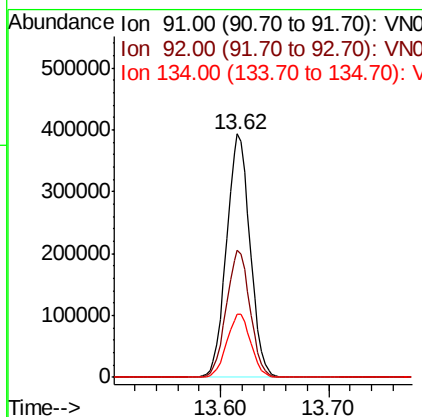
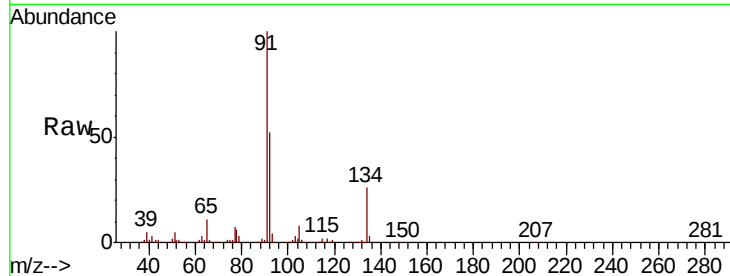
#89
n-Butylbenzene
Concen: 18.826 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.1	78.3
134	26.4	13.0	38.9

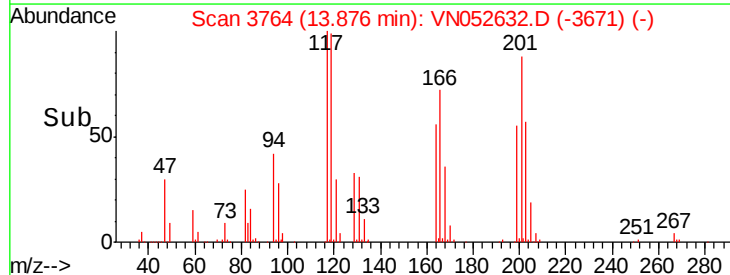
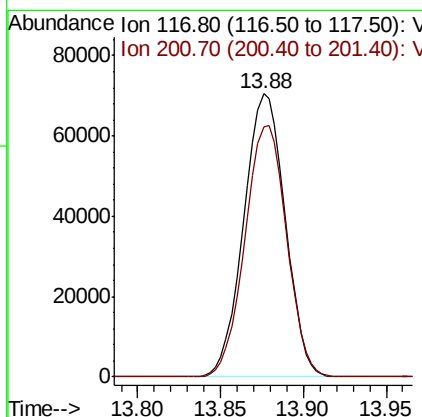
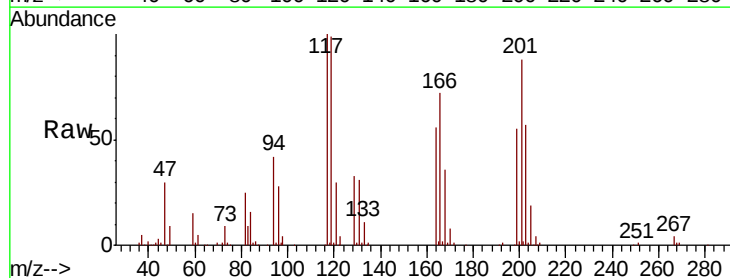
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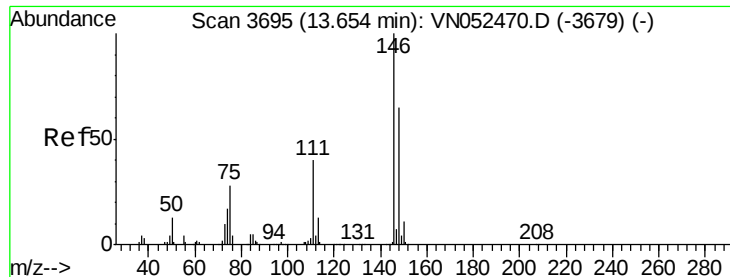
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#90
Hexachloroethane
Concen: 19.003 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	89.2	43.6	130.9





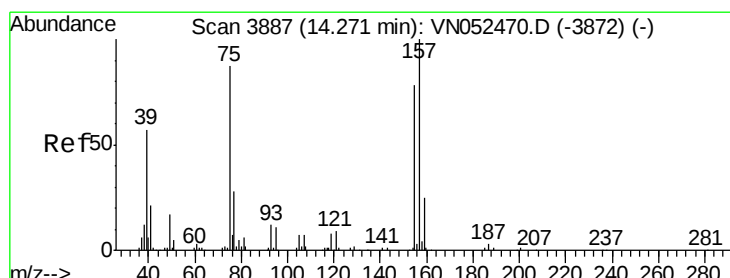
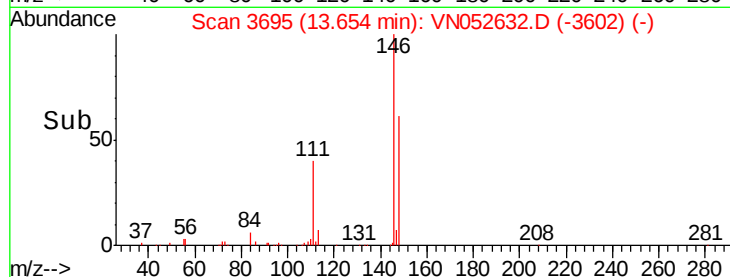
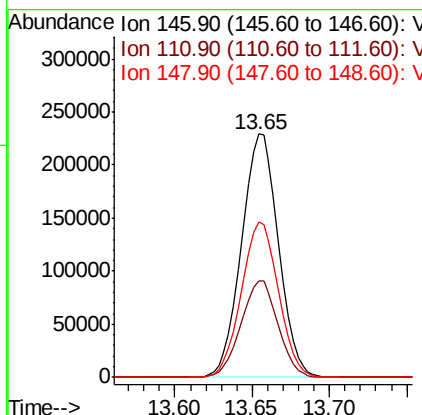
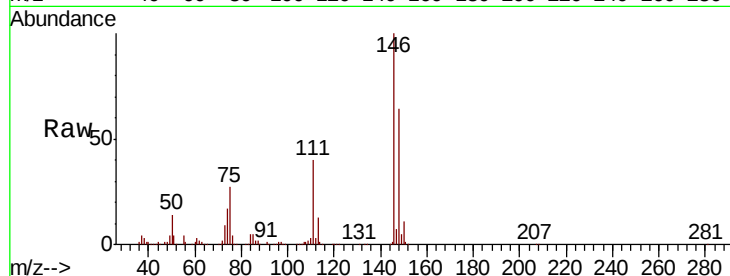
#91
 1,2-Dichlorobenzene
 Concen: 19.949 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	20.0	60.0
148	64.1	32.0	96.2

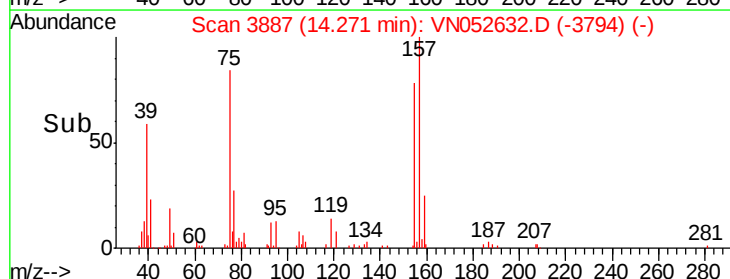
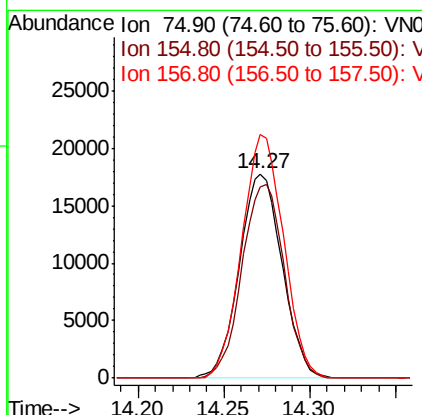
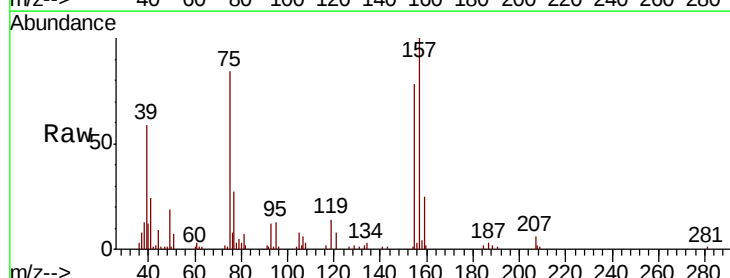
Manual Integrations
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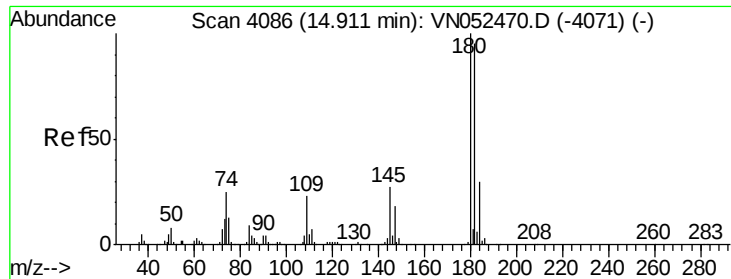
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.457 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.3	45.3	135.9
157	116.2	58.1	174.2





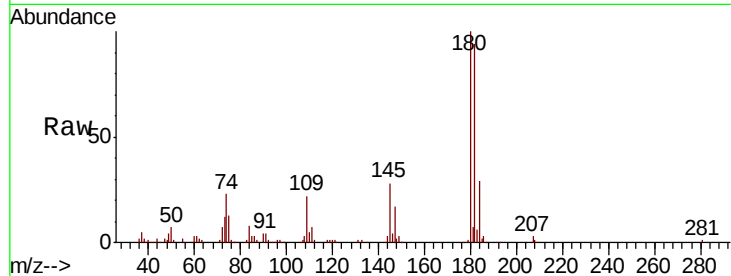
#93
 1,2,4-Trichlorobenzene
 Concen: 19.131 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1203WBSD01

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.2	47.8	143.4
145	28.6	14.1	42.3

Manual Integrations
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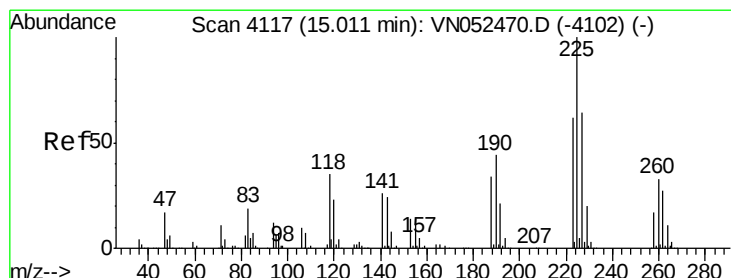
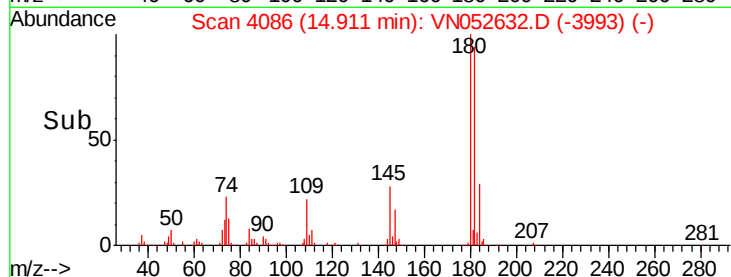
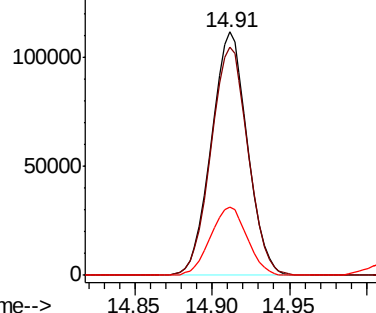


Abundance

Ion 179.80 (179.50 to 180.50): V

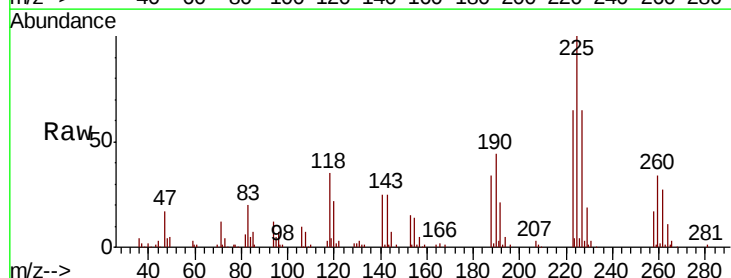
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 19.027 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN052632.D
 Acq: 3 Dec 2018 15:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	63.9	31.4	94.2
227	65.9	32.5	97.4

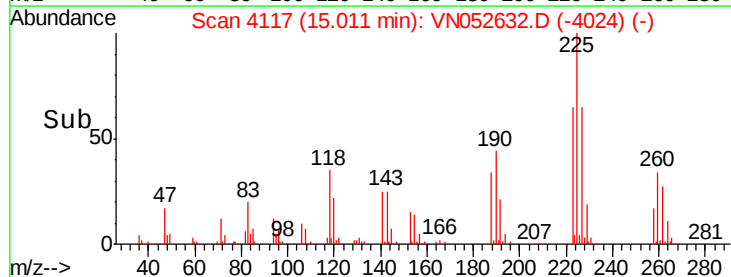
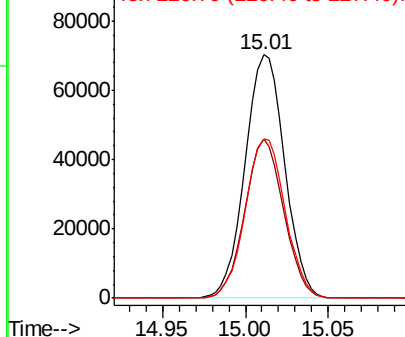


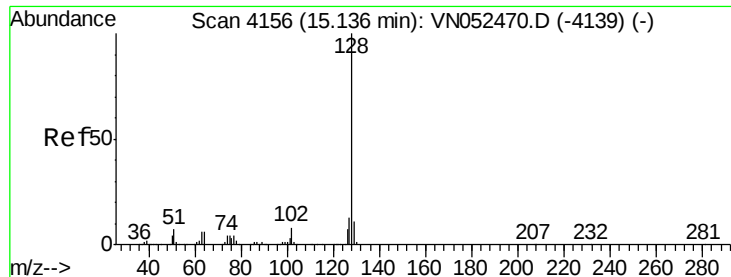
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





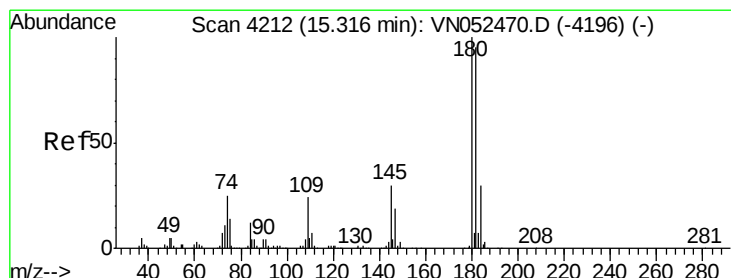
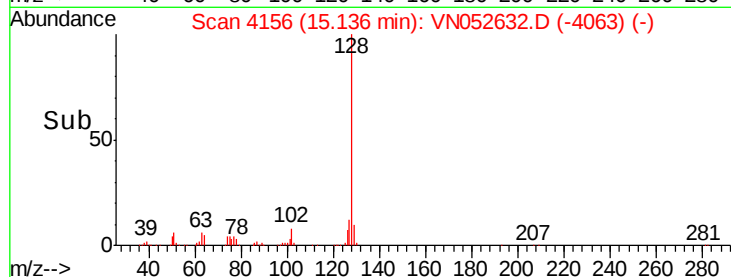
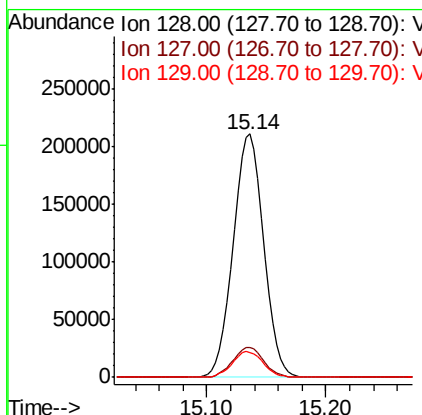
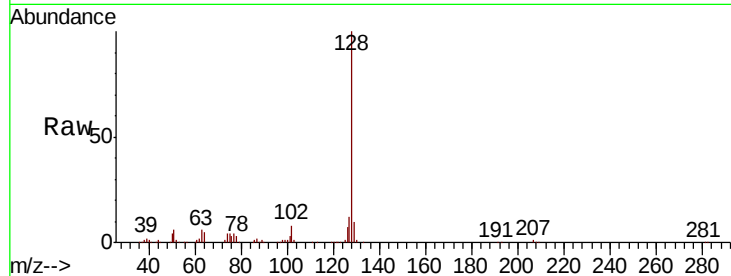
#95
Naphthalene
Concen: 19.177 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Instrument :
MSVOA_N
ClientSampleId :
VN1203WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.2	15.2
129	10.7	8.7	13.1

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#96
1,2,3-Trichlorobenzene
Concen: 19.651 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052632.D
Acq: 3 Dec 2018 15:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.8	143.3
145	29.9	15.2	45.5

