

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
 Data File : VN063360.D
 Acq On : 16 Sep 2020 11:55
 Operator : JC/MD
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:07:52 PM

Quant Time: Sep 16 12:37:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 12:15:31 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	278270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	484674	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	439579	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	215816	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	227472	51.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.16%	
35) Dibromofluoromethane	7.55	113	159924	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	
50) Toluene-d8	10.06	98	612984	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
62) 4-Bromofluorobenzene	12.38	95	226296	50.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	156483	56.691	ug/l	100
3) Chloromethane	2.03	50	199670	49.296	ug/l	100
4) Vinyl Chloride	2.16	62	186745	49.544	ug/l	100
5) Bromomethane	2.53	94	105619	41.484	ug/l	100
6) Chloroethane	2.67	64	107691	44.406	ug/l	100
7) Trichlorofluoromethane	2.98	101	275651	47.495	ug/l	100
8) Diethyl Ether	3.37	74	110711	52.375	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.72	101	154219	50.317	ug/l	100
10) Methyl Iodide	3.91	142	205973	52.145	ug/l	100
11) Tert butyl alcohol	4.73	59	162942	275.855	ug/l	100
12) 1,1-Dichloroethene	3.70	96	156637	50.942	ug/l	100
13) Acrolein	3.57	56	63134	233.025	ug/l	100
14) Allyl chloride	4.28	41	317073	50.335	ug/l	100
15) Acrylonitrile	4.93	53	423071	265.346	ug/l	100
16) Acetone	3.78	43	363922	240.615	ug/l	100
17) Carbon Disulfide	4.01	76	457588	48.142	ug/l	100
18) Methyl Acetate	4.28	43	190474	49.917	ug/l	100
19) Methyl tert-butyl Ether	4.99	73	577276	52.469	ug/l	100
20) Methylene Chloride	4.50	84	182559	47.137	ug/l	100
21) trans-1,2-Dichloroethene	4.99	96	171924	50.056	ug/l	100
22) Diisopropyl ether	5.90	45	621543	50.474	ug/l	100
23) Vinyl Acetate	5.84	43	2681093	275.088	ug/l	100
24) 1,1-Dichloroethane	5.80	63	347079	51.604	ug/l	100
25) 2-Butanone	6.78	43	586558	261.428	ug/l	100
26) 2,2-Dichloropropane	6.78	77	297483	50.600	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	201273	50.293	ug/l	100
28) Bromochloromethane	7.15	49	153736	47.594	ug/l	100
29) Tetrahydrofuran	7.16	42	390537	267.210	ug/l	100
30) Chloroform	7.33	83	344855	51.397	ug/l	100
31) Cyclohexane	7.61	56	309606	50.111	ug/l	100
32) 1,1,1-Trichloroethane	7.53	97	305694	52.074	ug/l	100
36) 1,1-Dichloropropene	7.75	75	257966	51.321	ug/l	100
37) Ethyl Acetate	6.88	43	257298	51.843	ug/l	100
38) Carbon Tetrachloride	7.73	117	266555	53.561	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	279996	51.105	ug/l	100
40) Benzene	8.00	78	735467	51.315	ug/l	100
41) Methacrylonitrile	7.13	41	116150m	51.428	ug/l	
42) 1,2-Dichloroethane	8.08	62	297745	54.210	ug/l	100
43) Isopropyl Acetate	8.13	43	451489	53.638	ug/l	100
44) Trichloroethene	8.80	130	176406	47.779	ug/l	100
45) 1,2-Dichloropropane	9.08	63	203413	51.690	ug/l	100
46) Dibromomethane	9.17	93	133391	52.002	ug/l	100
47) Bromodichloromethane	9.37	83	276123	51.839	ug/l	100
48) Methyl methacrylate	9.16	41	223692	55.305	ug/l	100
49) 1,4-Dioxane	9.17	88	63072	1012.150	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	1278742	275.987	ug/l	100
52) Toluene	10.12	92	456389	52.023	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	310365	53.354	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	332866	53.203	ug/l	100
55) 1,1,2-Trichloroethane	10.53	97	178174	51.857	ug/l	100
56) Ethyl methacrylate	10.40	69	279940	53.631	ug/l	100
57) 1,3-Dichloropropane	10.68	76	315890	52.590	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.66	63	702774	250.357	ug/l	100
59) 2-Hexanone	10.72	43	934235	273.583	ug/l	100
60) Dibromochloromethane	10.87	129	201742	53.405	ug/l	100
61) 1,2-Dibromoethane	10.98	107	185759	51.807	ug/l	100
64) Tetrachloroethene	10.60	164	147527	42.119	ug/l	100
65) Chlorobenzene	11.41	112	469574	49.503	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	175691	50.745	ug/l	100
67) Ethyl Benzene	11.48	91	890205	52.113	ug/l	100
68) m/p-Xylenes	11.60	106	646615	102.225	ug/l	100
69) o-Xylene	11.92	106	309890	51.182	ug/l	100
70) Styrene	11.94	104	538024	53.279	ug/l	100
71) Bromoform	12.10	173	134502	55.437	ug/l #	100
73) Isopropylbenzene	12.22	105	855140	49.128	ug/l	100
74) N-amyl acetate	12.05	43	407431	56.424	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.48	83	257583	51.089	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	242151m	49.866	ug/l	
77) Bromobenzene	12.50	156	192075	48.055	ug/l	100
78) n-propylbenzene	12.57	91	994121	50.355	ug/l	100
79) 2-Chlorotoluene	12.65	91	588963	48.526	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	727252	50.296	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.27	75	93908	52.483	ug/l	100
82) 4-Chlorotoluene	12.75	91	621008	48.674	ug/l	100
83) tert-Butylbenzene	12.97	119	588084	48.091	ug/l	100
84) 1,2,4-Trimethylbenzene	13.01	105	736923	50.533	ug/l	100
85) sec-Butylbenzene	13.14	105	787604	50.513	ug/l	100
86) p-Isopropyltoluene	13.26	119	708176	49.650	ug/l	100
87) 1,3-Dichlorobenzene	13.26	146	356198	48.717	ug/l	100
88) 1,4-Dichlorobenzene	13.34	146	363225	47.723	ug/l	100
89) n-Butylbenzene	13.59	91	652927	50.631	ug/l	100
90) Hexachloroethane	13.85	117	131959	55.515	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	354992	49.046	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.24	75	63744	55.218	ug/l	100

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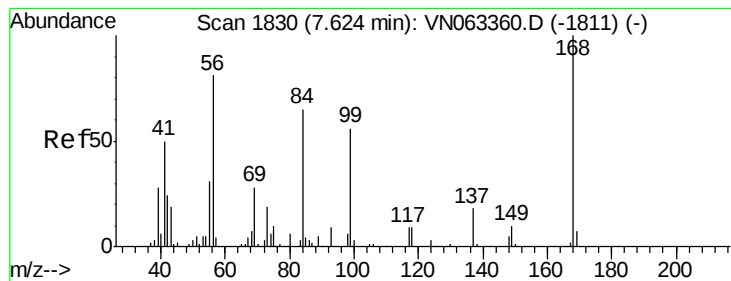
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	216160	50.677	ug/l	100
94) Hexachlorobutadiene	14.98	225	87111	47.716	ug/l	100
95) Naphthalene	15.10	128	714907	51.413	ug/l	100
96) 1,2,3-Trichlorobenzene	15.28	180	209273	50.145	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 278270

Ion Ratio Lower Upper

168 100

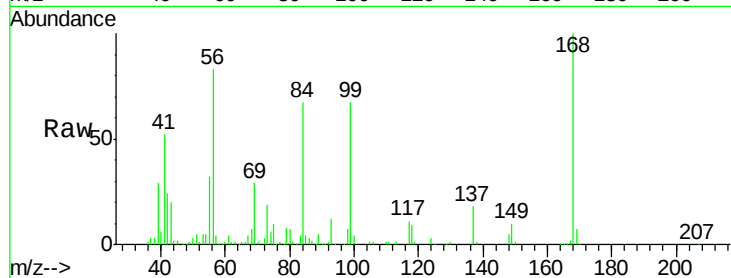
99 66.3 53.0 79.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

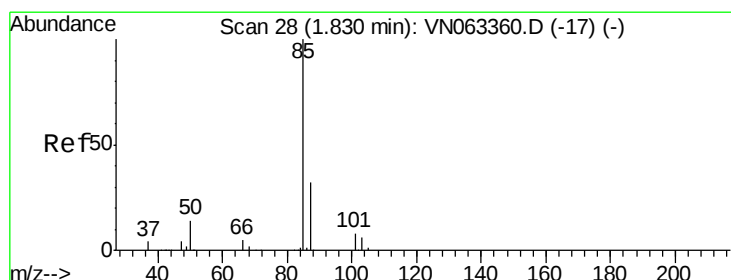
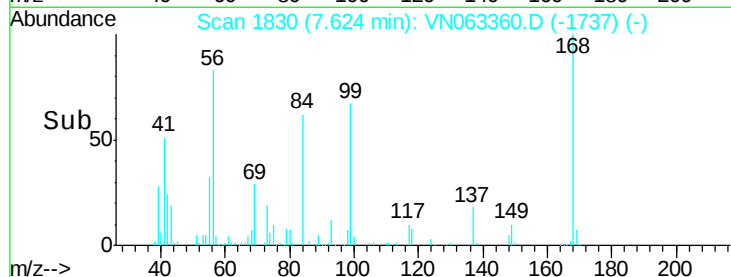
7.62

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 56.691 ug/l

RT: 1.83 min Scan# 28

Delta R.T. 0.00 min

Lab File: VN063360.D

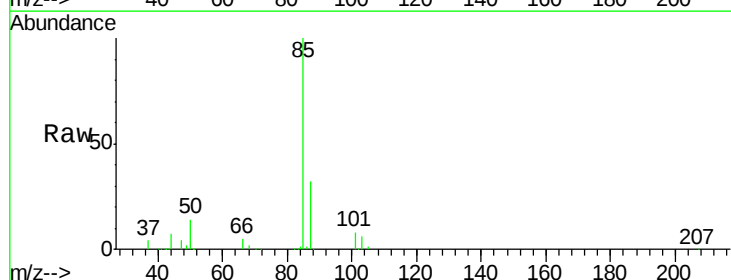
Acq: 16 Sep 2020 11:55

Tgt Ion: 85 Resp: 156483

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

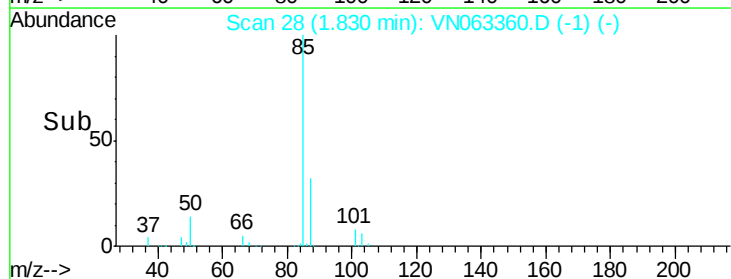
1.83

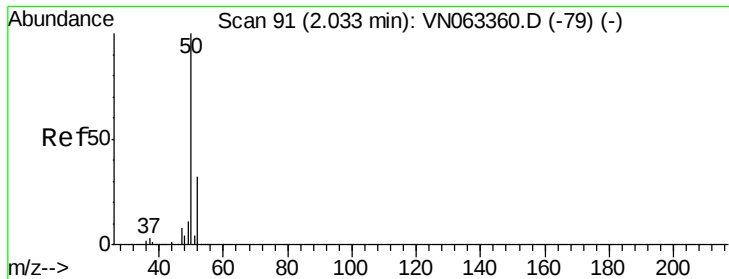
100000

50000

0

Time--> 1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 49.296 ug/l

RT: 2.03 min Scan# 91

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 199670

Ion Ratio Lower Upper

50 100

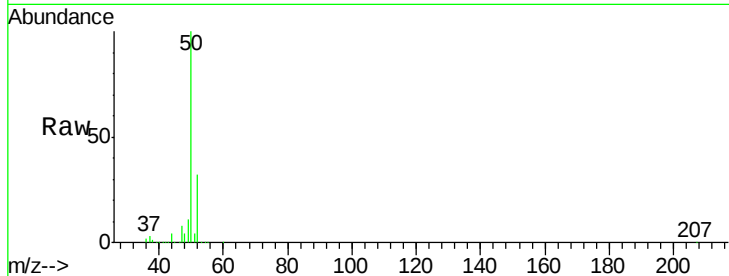
52 32.4 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.03

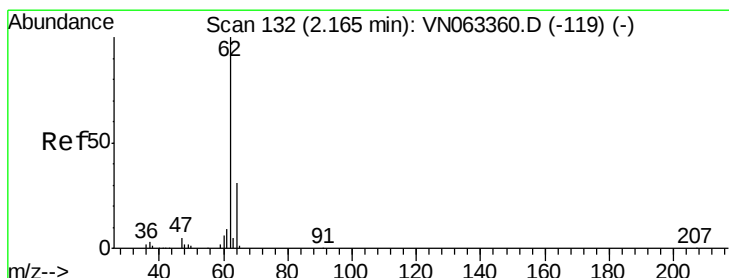
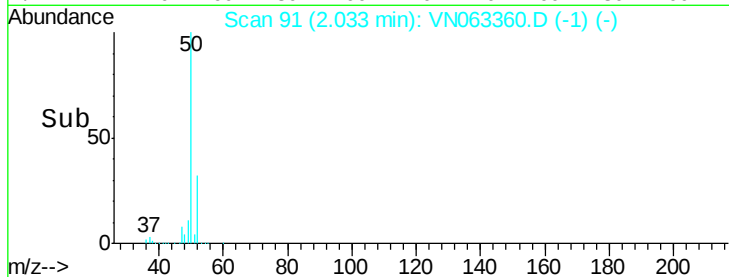
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.544 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063360.D

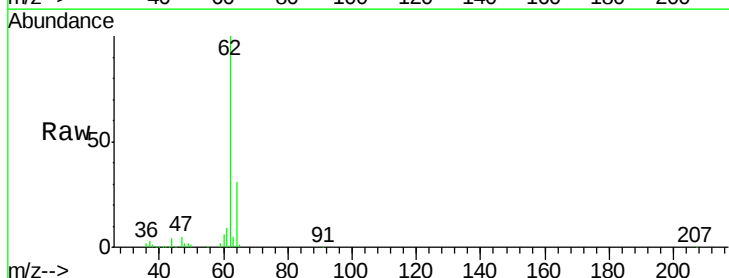
Acq: 16 Sep 2020 11:55

Tgt Ion: 62 Resp: 186745

Ion Ratio Lower Upper

62 100

64 31.4 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.16

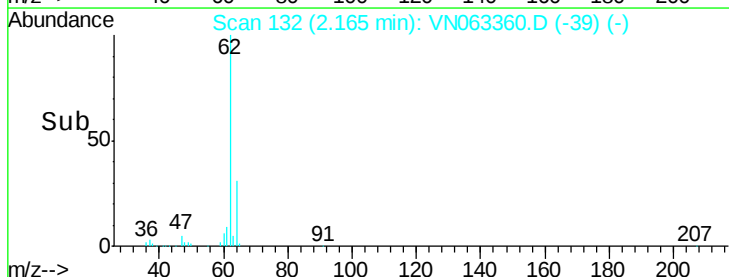
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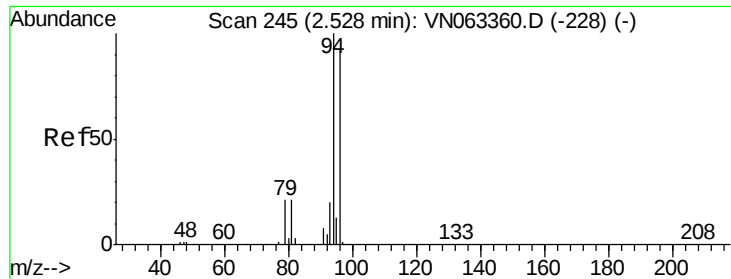
100000

50000

0

Time-->





#5

Bromomethane

Concen: 41.484 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 105619

Ion Ratio Lower Upper

94 100

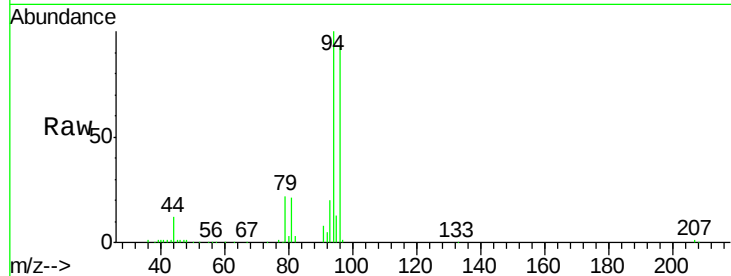
96 93.1 74.5 111.7

Manual Integrations

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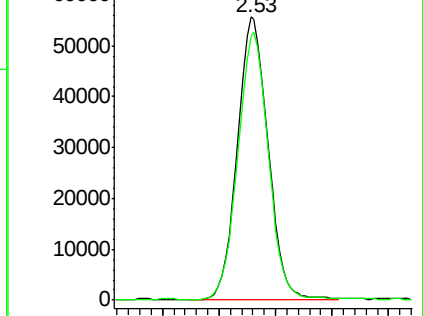
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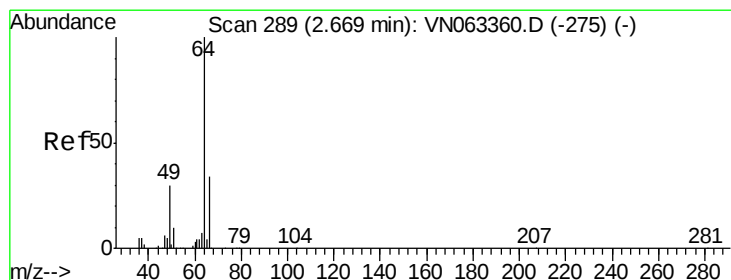
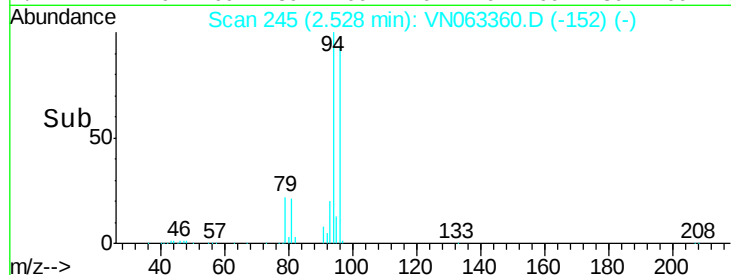


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 44.406 ug/l

RT: 2.67 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN063360.D

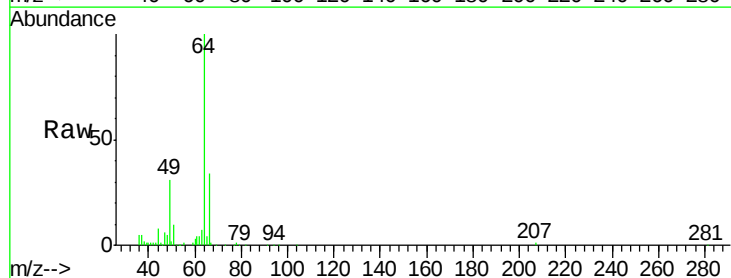
Acq: 16 Sep 2020 11:55

Tgt Ion: 64 Resp: 107691

Ion Ratio Lower Upper

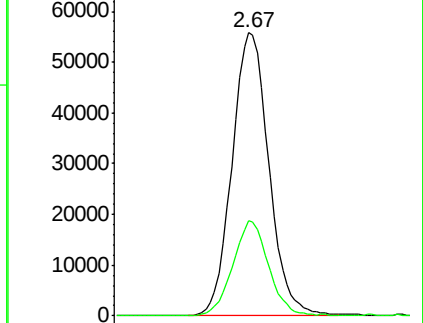
64 100

66 33.6 26.9 40.3

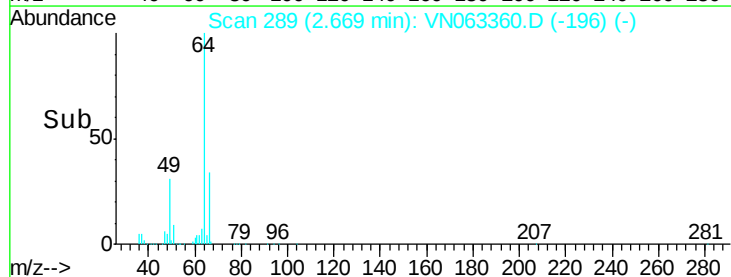


Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

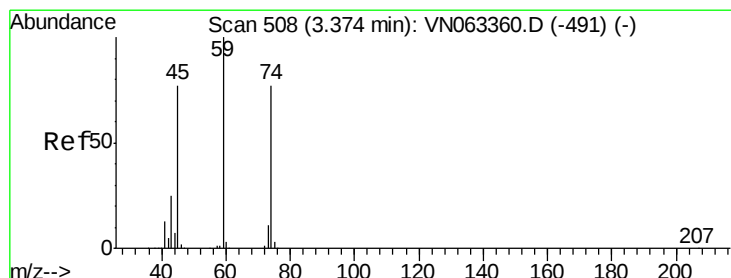
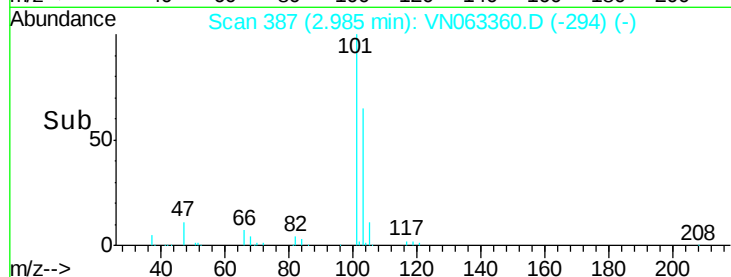
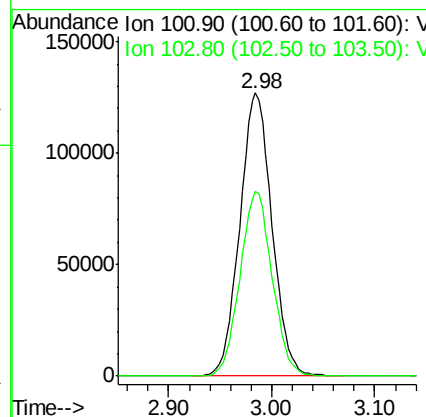
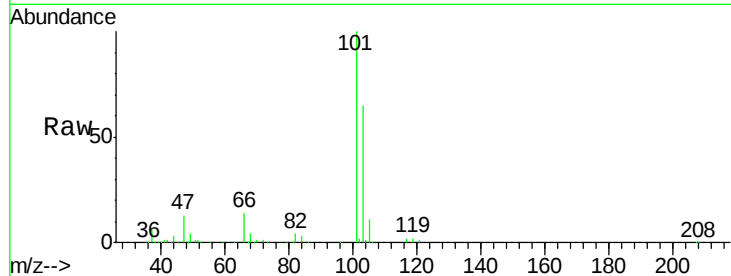
Trichlorofluoromethane
 Concen: 47.495 ug/l
 RT: 2.98 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN063360.D
 Acq: 16 Sep 2020 11:55

Instrument :
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 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.3	78.5

Manual Integrations
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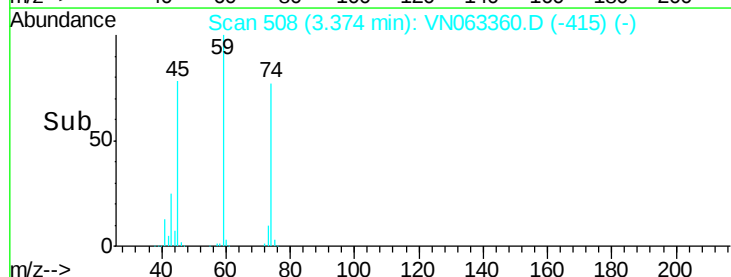
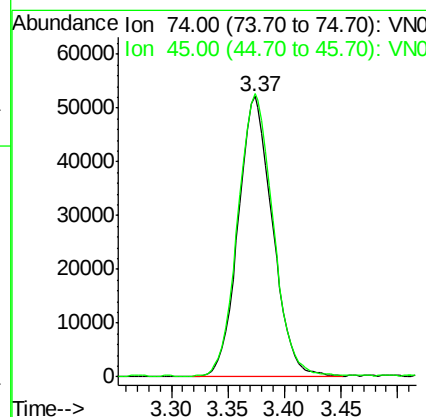
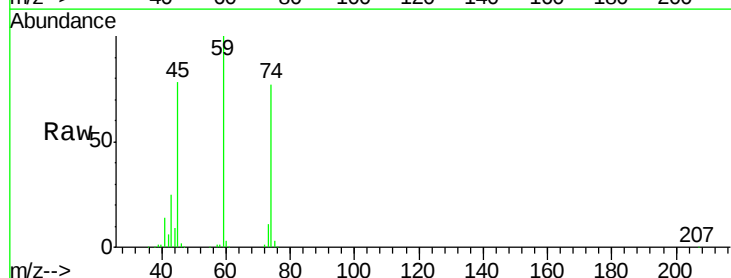
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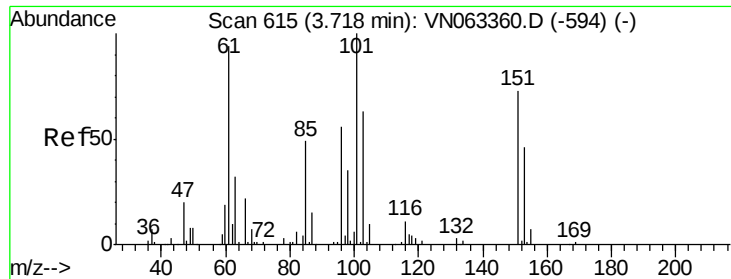


#8

Diethyl Ether
 Concen: 52.375 ug/l
 RT: 3.37 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN063360.D
 Acq: 16 Sep 2020 11:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.3	52.1	156.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.317 ug/l

RT: 3.72 min Scan# 615

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Instrument :

MSVOA_N

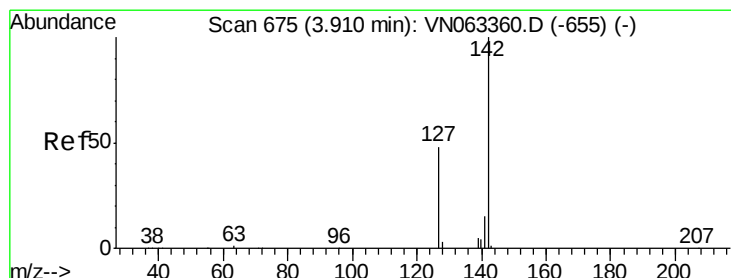
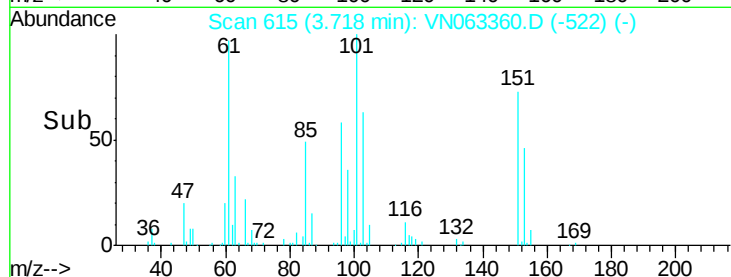
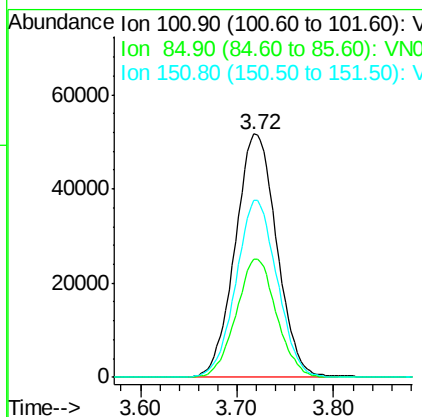
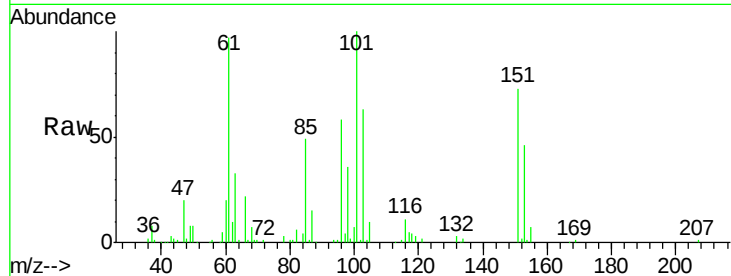
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	154219
Ion Ratio	Lower	Upper	
101	100		
85	47.1	37.7	56.5
151	72.1	57.7	86.5

Manual Integrations
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9/17/2020 1:07:52 PM



#10

Methyl Iodide

Concen: 52.145 ug/l

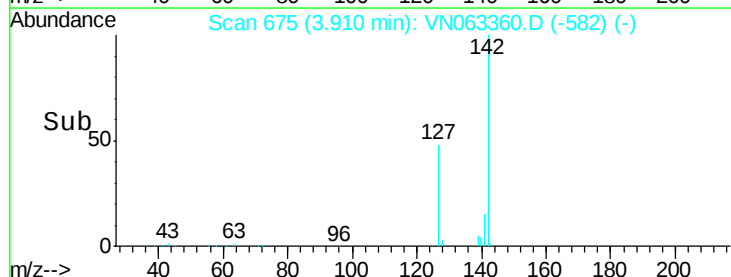
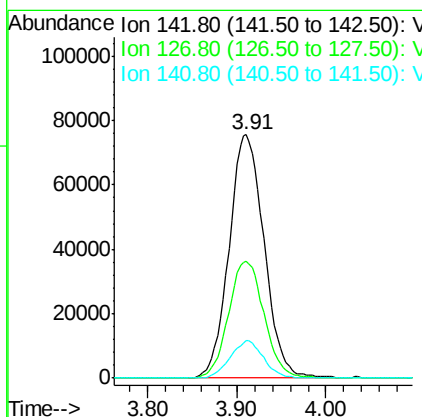
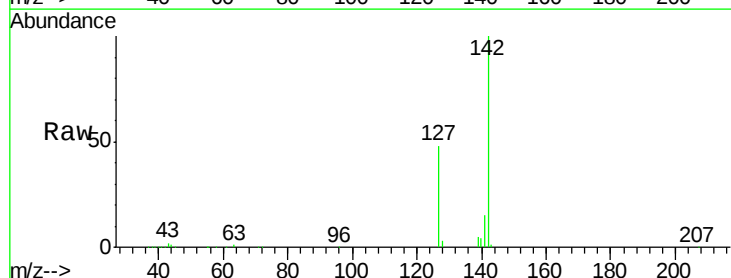
RT: 3.91 min Scan# 675

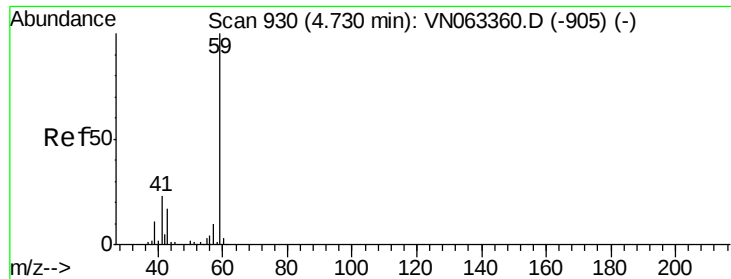
Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Tgt Ion:	142	Resp:	205973
Ion Ratio	Lower	Upper	
142	100		
127	48.8	39.0	58.6
141	14.5	11.6	17.4





#11

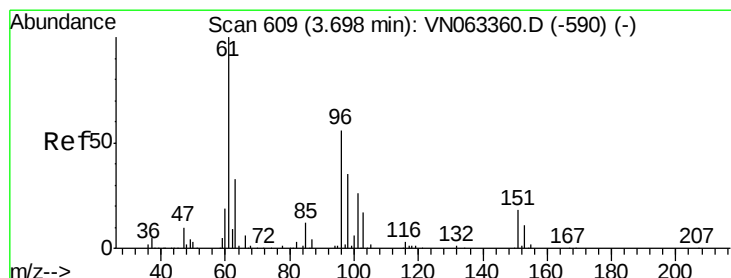
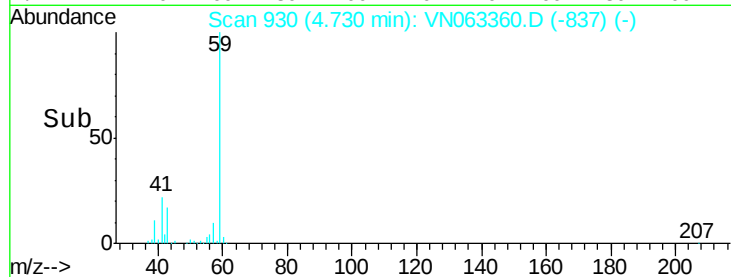
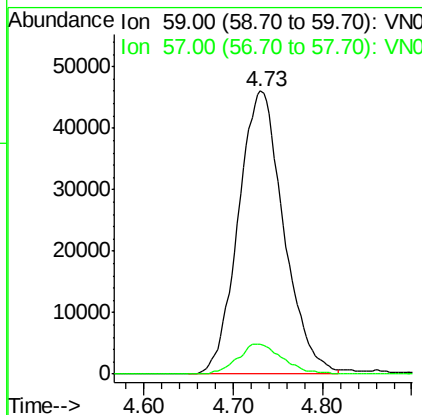
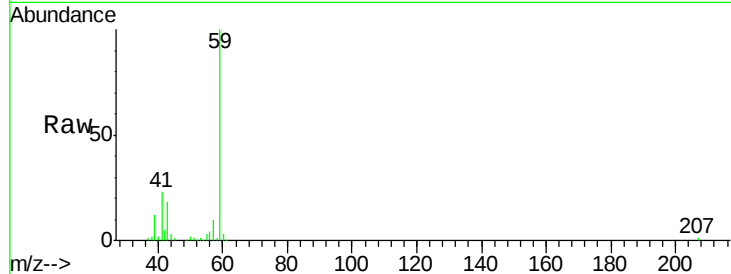
Tert butyl alcohol
Concen: 275.855 ug/l
RT: 4.73 min Scan# 930
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.4	12.6

Manual Integrations
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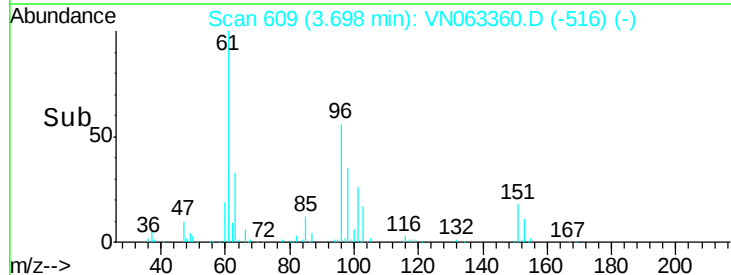
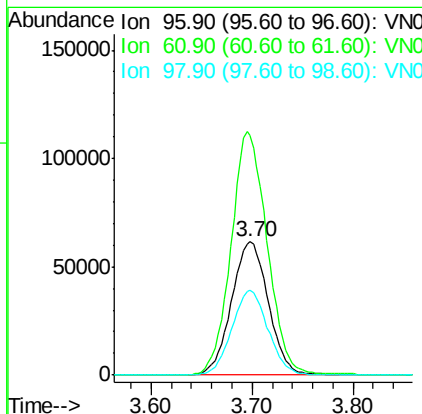
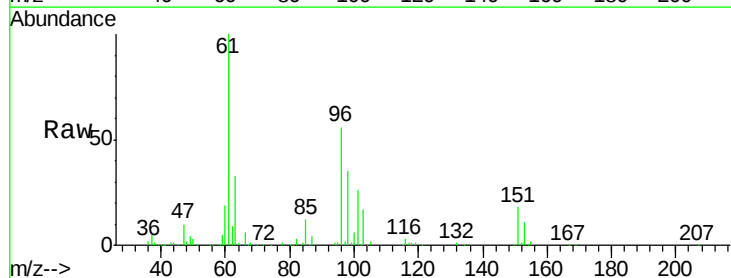
MMDadoda
9/17/2020 1:07:52 PM

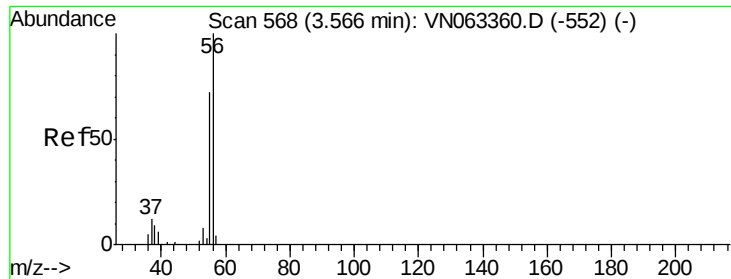


#12

1,1-Dichloroethene
Concen: 50.942 ug/l
RT: 3.70 min Scan# 609
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	179.3	143.4	215.2
98	63.3	50.6	76.0





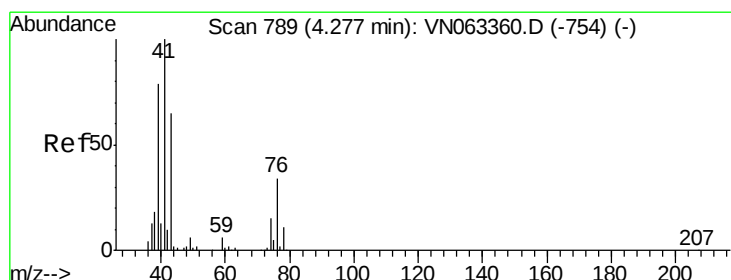
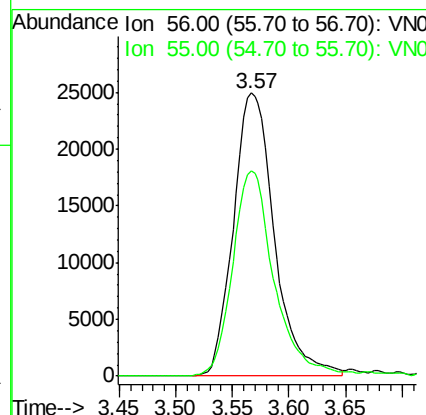
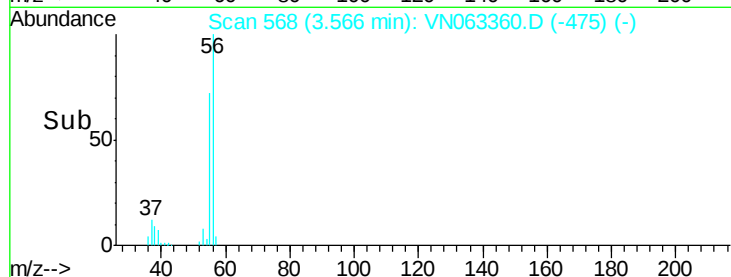
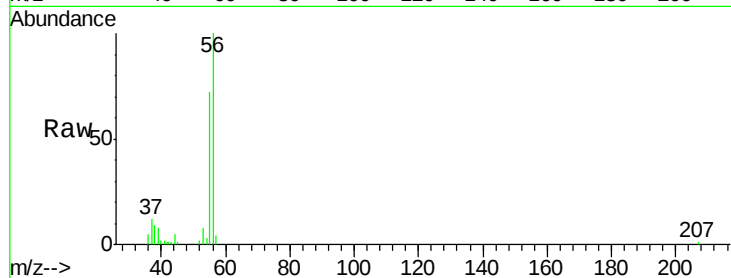
#13
Acrolein
Concen: 233.025 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	63134
Ion Ratio	100	Lower	Upper
56	100		
55	72.7	58.2	87.2

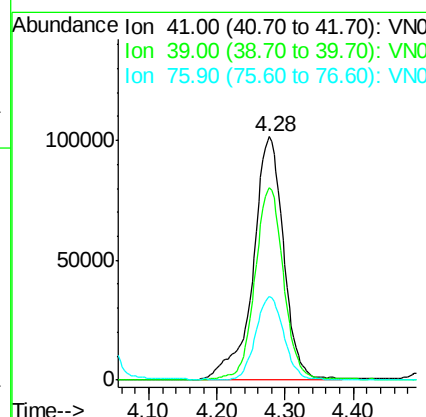
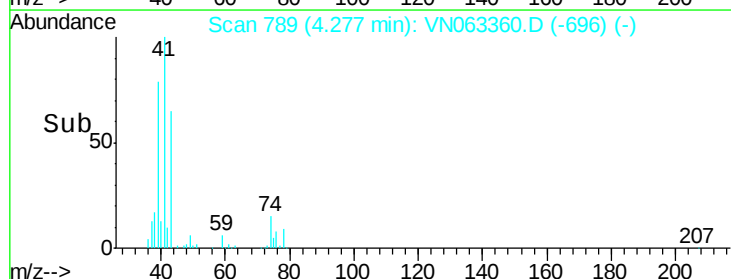
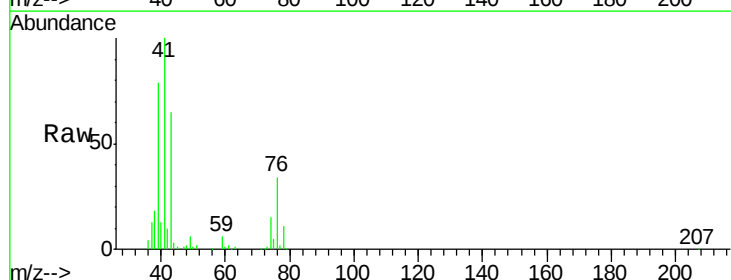
Manual Integrations
APPROVED

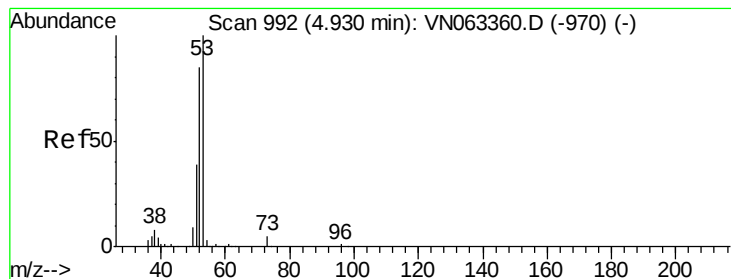
MMDadoda
9/17/2020 1:07:52 PM



#14
Allyl chloride
Concen: 50.335 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion	41	Resp	317073
Ion Ratio	100	Lower	Upper
41	100		
39	74.1	59.3	88.9
76	31.6	25.3	37.9





#15

Acrylonitrile

Concen: 265.346 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Instrument :

MSVOA_N

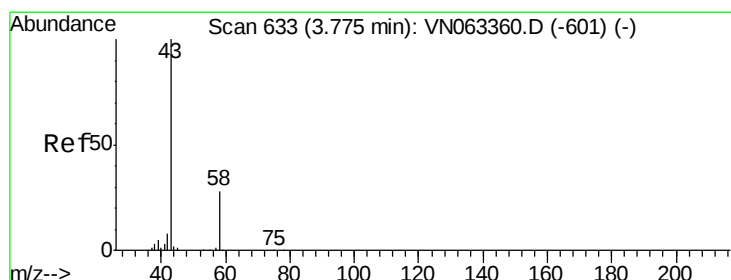
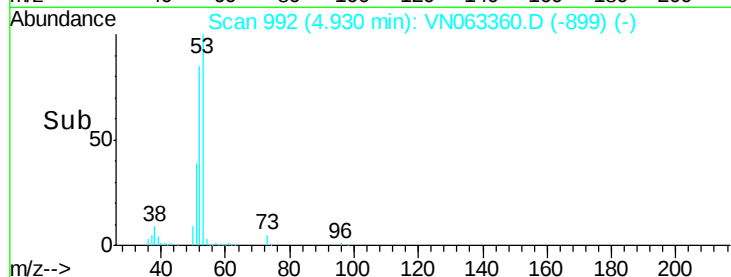
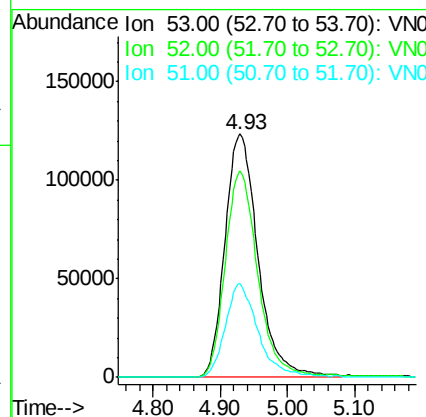
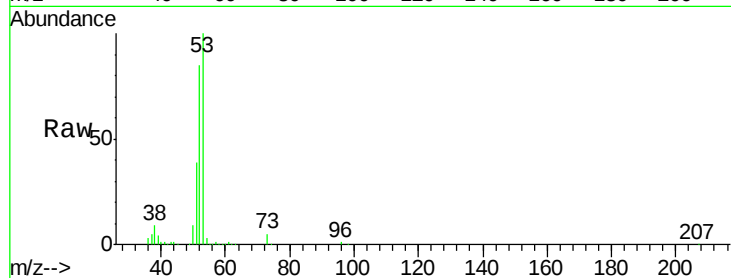
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	423071
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.4	99.6
51	37.8	30.2	45.4

Manual Integrations
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#16

Acetone

Concen: 240.615 ug/l

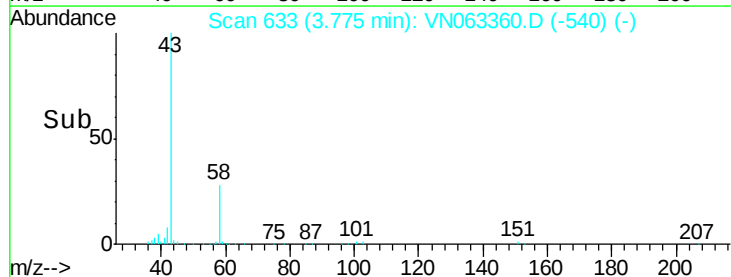
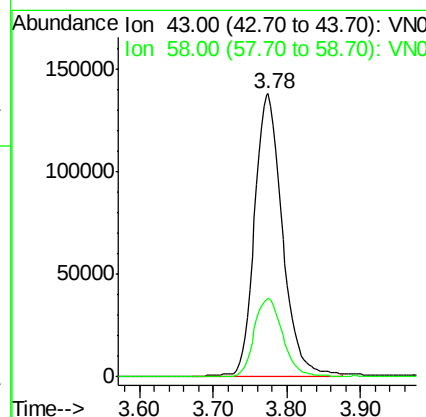
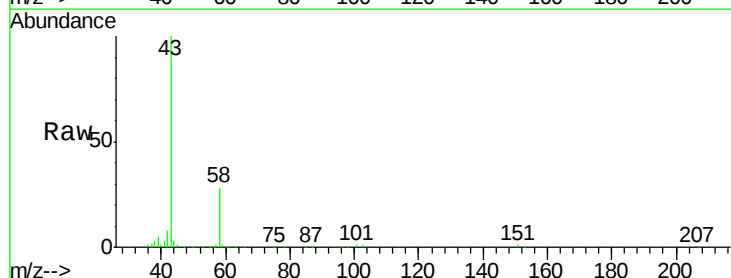
RT: 3.78 min Scan# 633

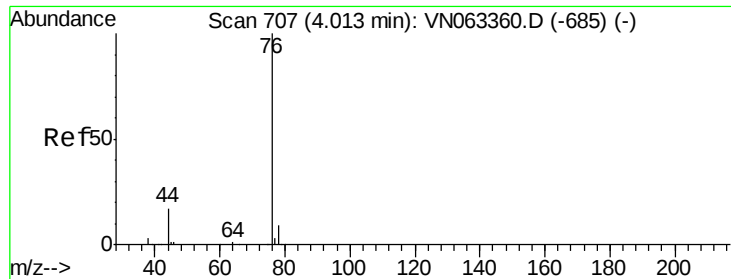
Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Tgt Ion:	43	Resp:	363922
Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.3	33.5





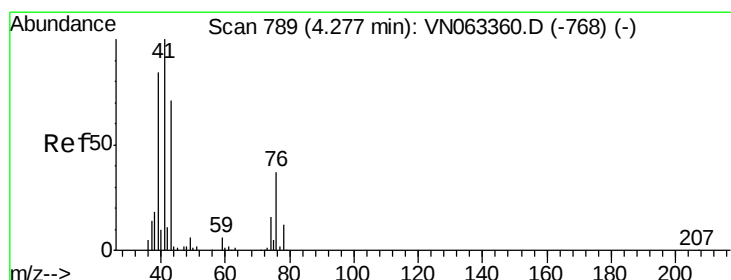
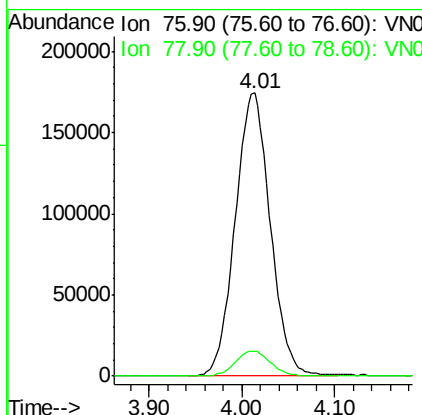
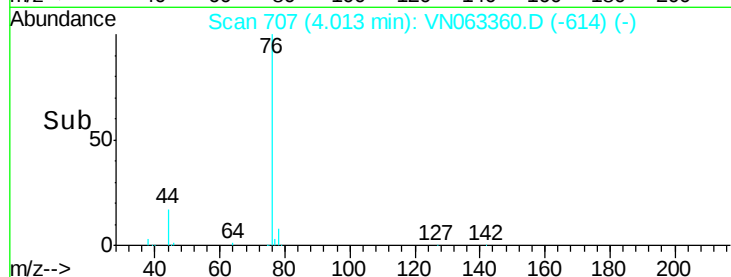
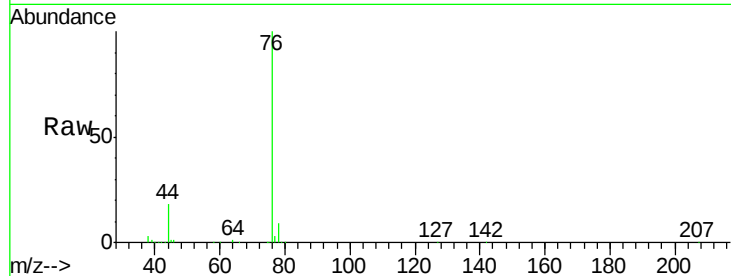
#17
Carbon Disulfide
Concen: 48.142 ug/l
RT: 4.01 min Scan# 707
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 457588
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

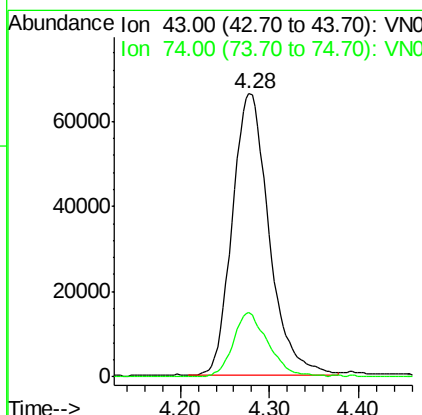
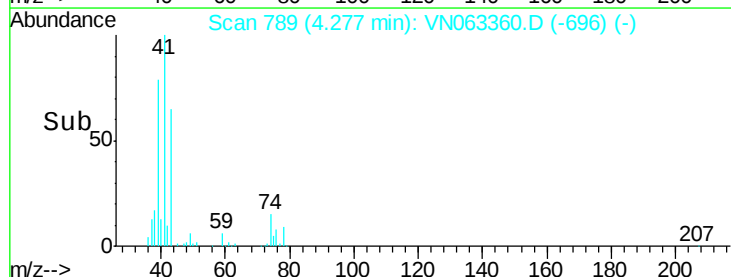
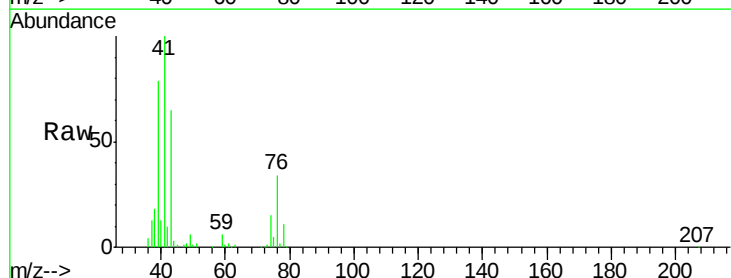
Manual Integrations
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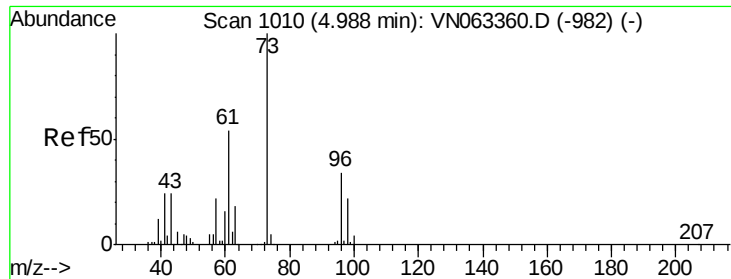
MMDadoda
9/17/2020 1:07:52 PM



#18
Methyl Acetate
Concen: 49.917 ug/l
RT: 4.28 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion: 43 Resp: 190474
Ion Ratio Lower Upper
43 100
74 21.8 17.4 26.2





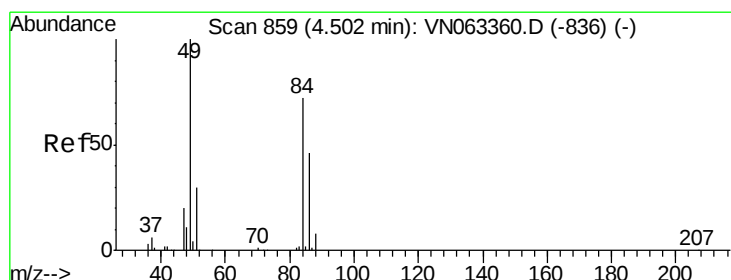
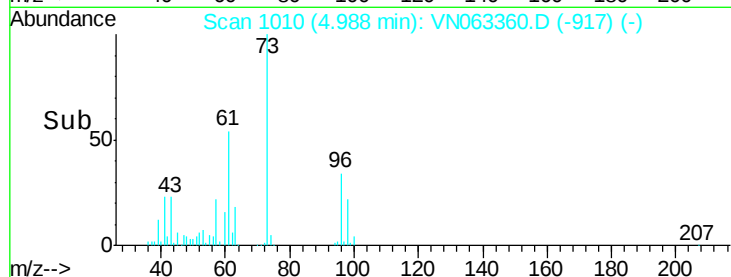
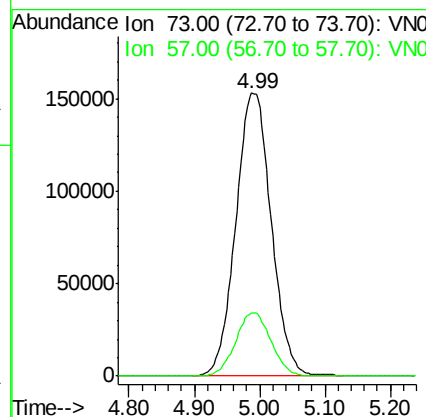
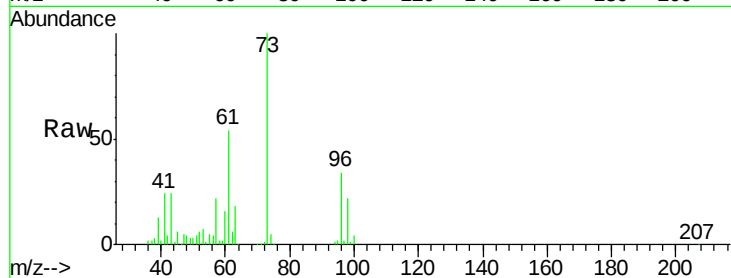
#19
Methvl tert-butvl Ether
Concen: 52.469 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 73 Resp: 577276
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9

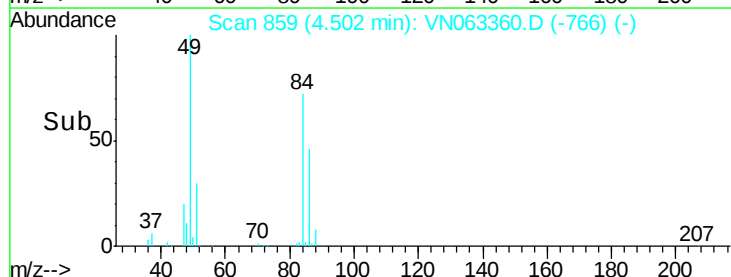
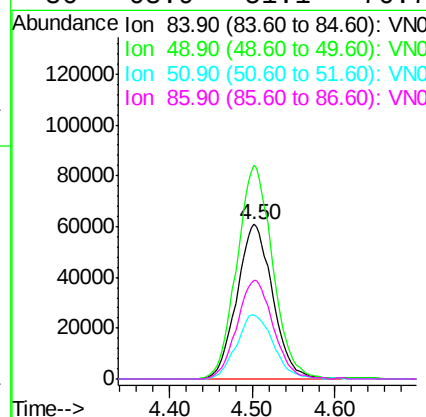
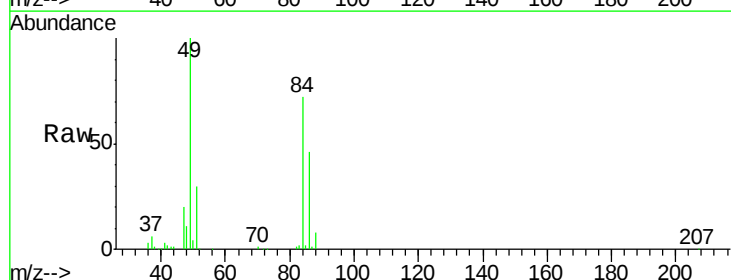
Manual Integrations
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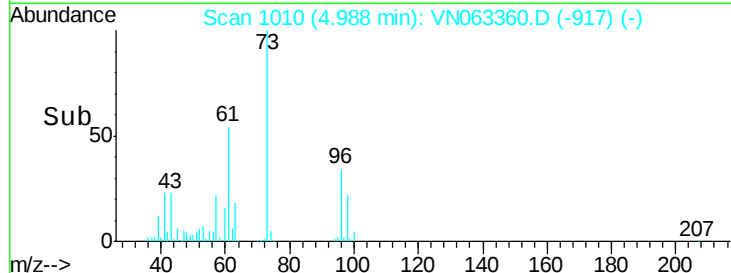
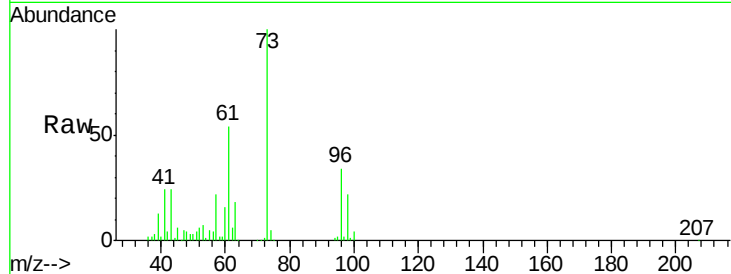
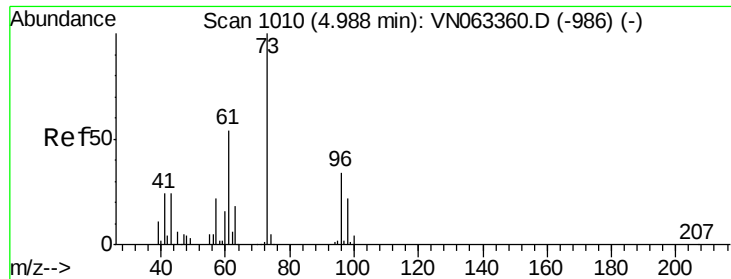
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#20
Methylene Chloride
Concen: 47.137 ug/l
RT: 4.50 min Scan# 859
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion: 84 Resp: 182559
Ion Ratio Lower Upper
84 100
49 138.4 110.7 166.1
51 41.1 32.9 49.3
86 63.9 51.1 76.7





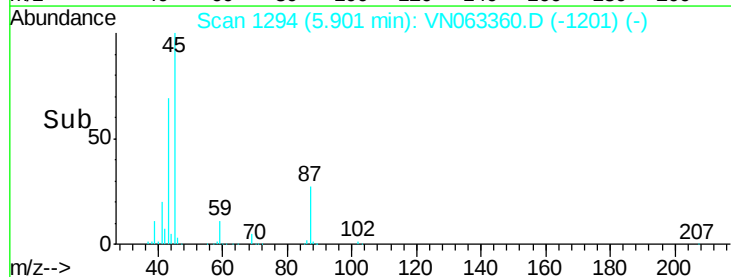
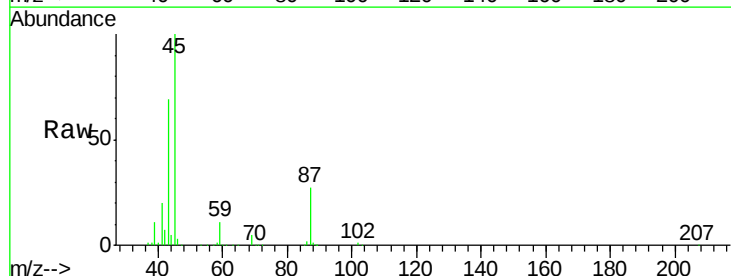
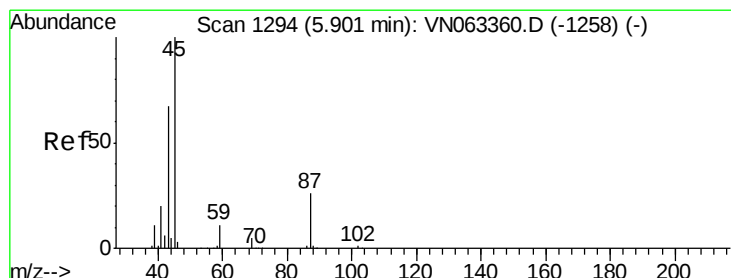
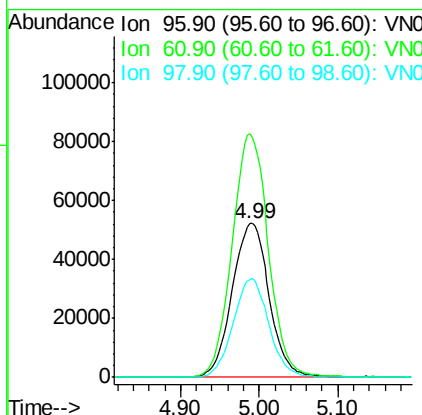
#21
trans-1,2-Dichloroethene
Concen: 50.056 ug/l
RT: 4.99 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.8	126.2	189.4
98	63.7	51.0	76.4

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

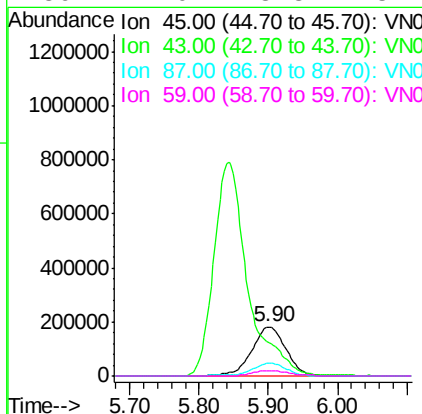
Manual Integrations
APPROVED

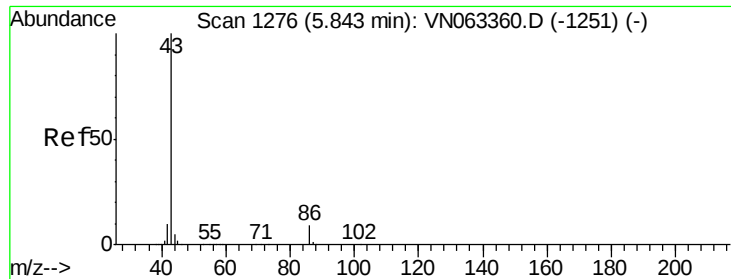
MMDadoda
9/17/2020 1:07:52 PM



#22
Diisopropyl ether
Concen: 50.474 ug/l
RT: 5.90 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion	Ratio	Lower	Upper
45	100		
43	66.9	53.5	80.3
87	26.5	21.2	31.8
59	11.0	8.8	13.2





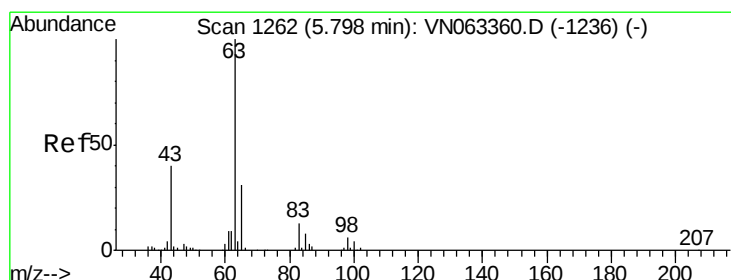
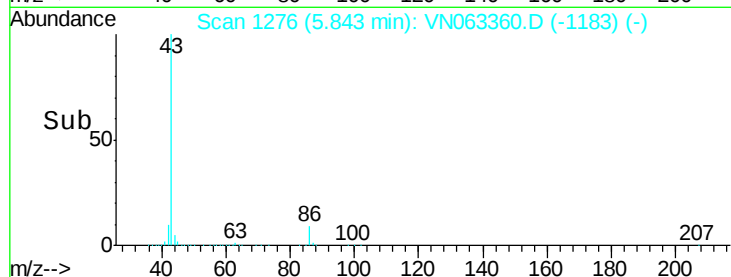
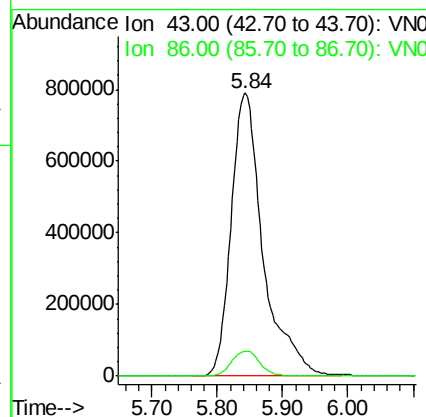
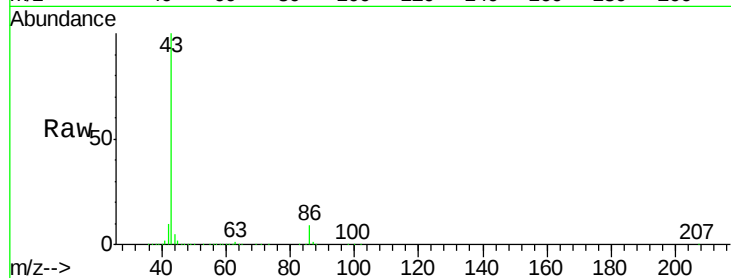
#23
 Vinyl Acetate
 Concen: 275.088 ug/l
 RT: 5.84 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VN063360.D
 Acq: 16 Sep 2020 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 2681093
 Ion Ratio Lower Upper
 43 100
 86 8.9 7.1 10.7

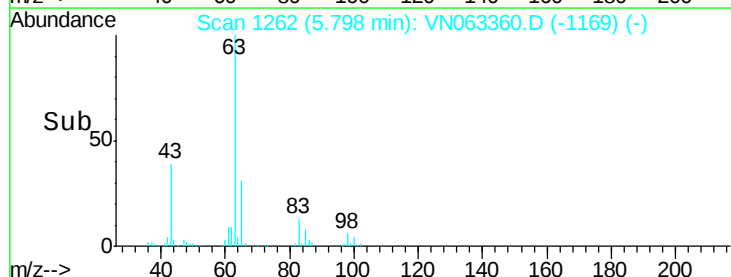
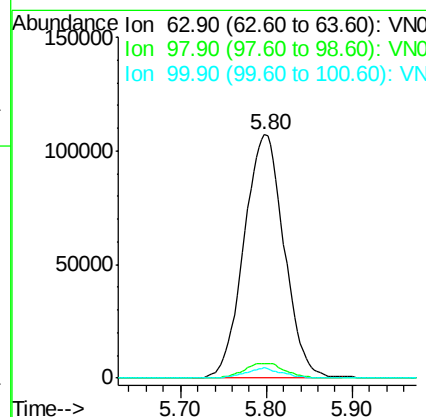
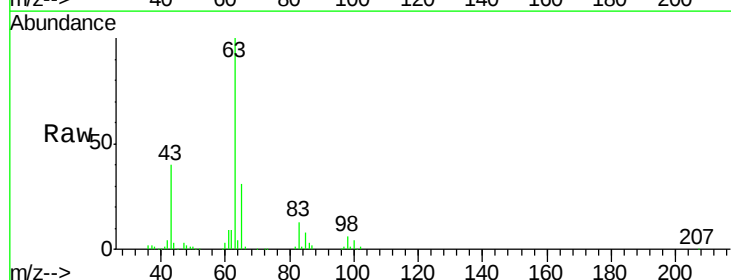
Manual Integrations
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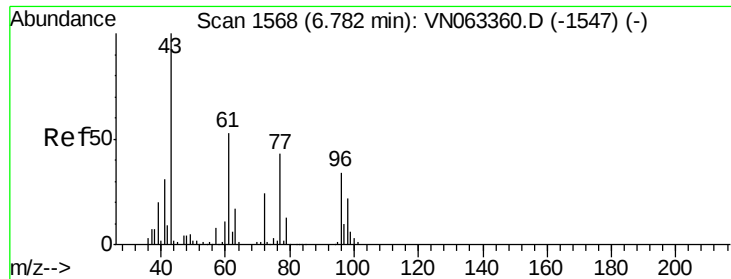
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#24
 1,1-Dichloroethane
 Concen: 51.604 ug/l
 RT: 5.80 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VN063360.D
 Acq: 16 Sep 2020 11:55

Tgt Ion: 63 Resp: 347079
 Ion Ratio Lower Upper
 63 100
 98 5.9 2.9 8.8
 100 4.2 2.1 6.3





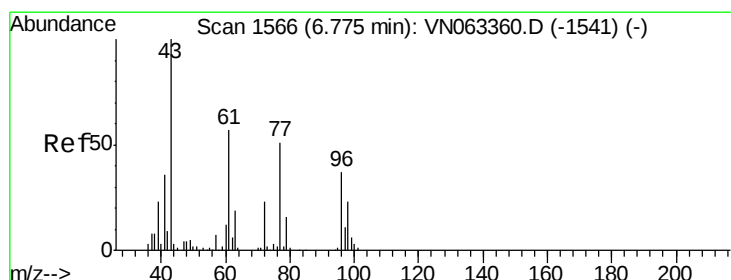
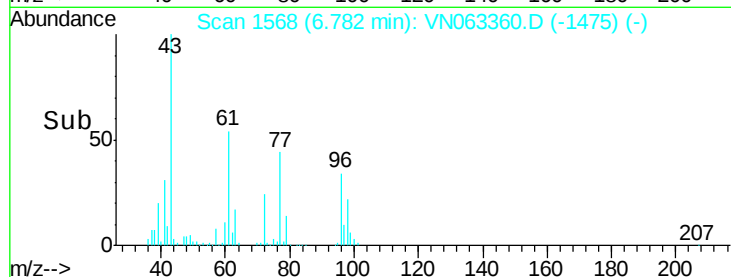
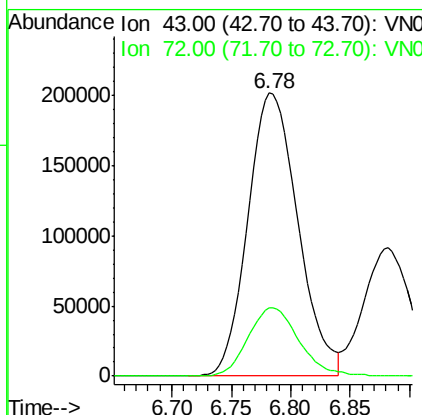
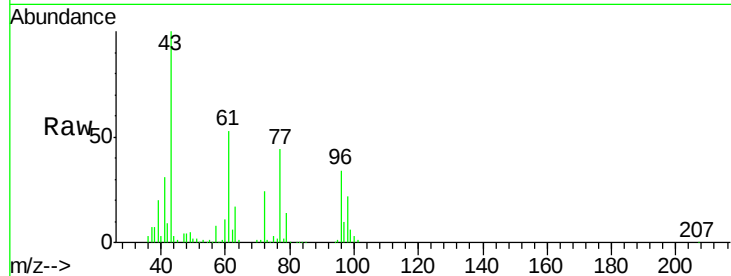
#25
2-Butanone
Concen: 261.428 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 43 Resp: 586558
Ion Ratio Lower Upper
43 100
72 24.0 19.2 28.8

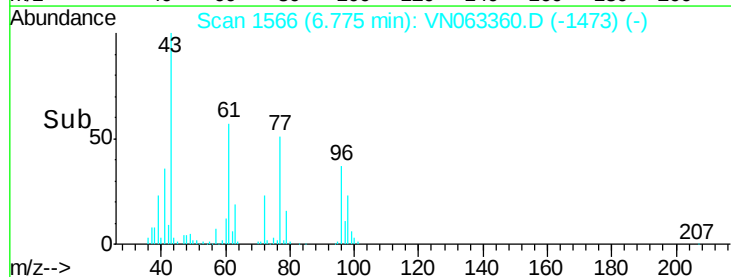
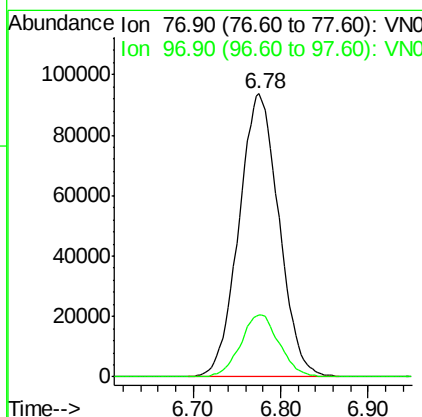
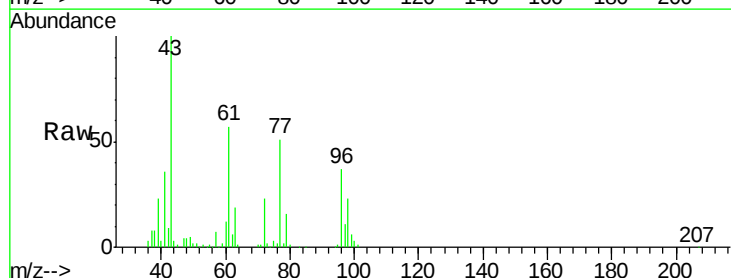
Manual Integrations
APPROVED

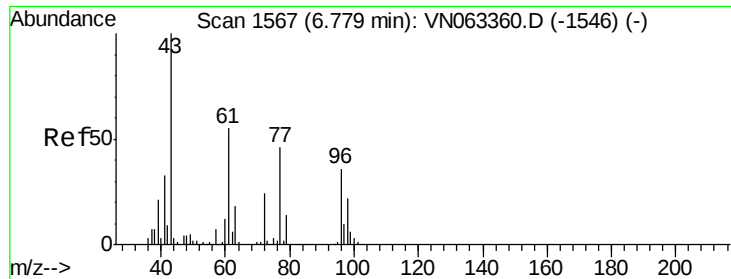
MMDadoda
9/17/2020 1:07:52 PM



#26
2,2-Dichloropropane
Concen: 50.600 ug/l
RT: 6.78 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion: 77 Resp: 297483
Ion Ratio Lower Upper
77 100
97 21.1 10.5 31.6





#27

cis-1,2-Dichloroethene

Concen: 50.293 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Instrument :

MSVOA_N

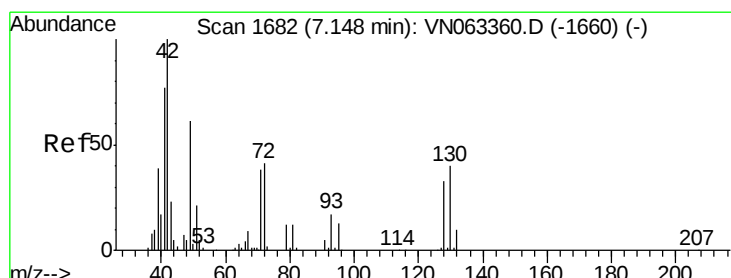
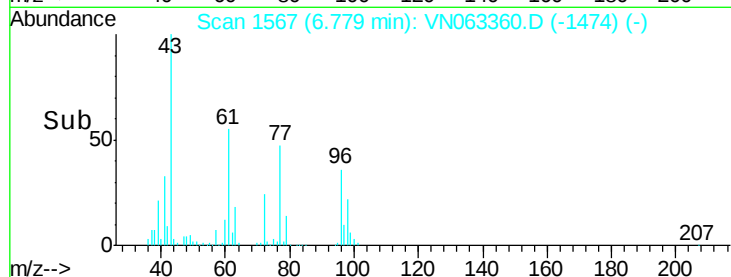
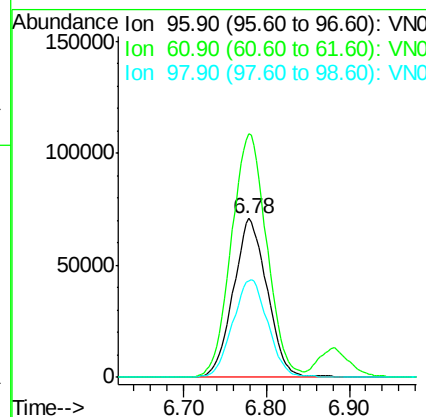
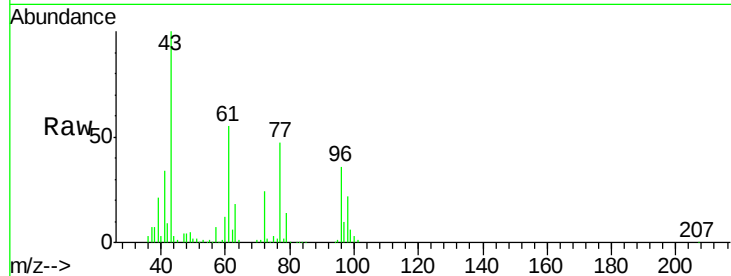
ClientSampled :

VSTDICCC050

Tot Ion:	96	Resp:	201273
Ion	Ratio	Lower	Upper
96	100		
61	159.8	0.0	319.6
98	63.9	0.0	127.8

Manual Integrations
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#28

Bromochloromethane

Concen: 47.594 ug/l

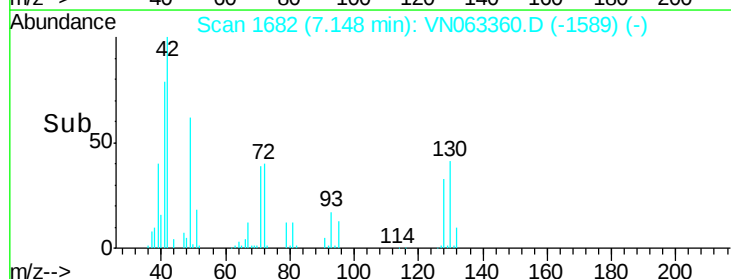
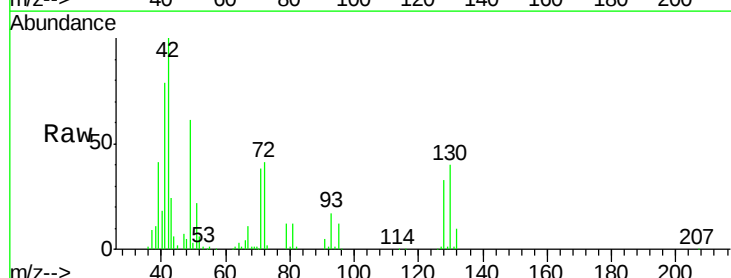
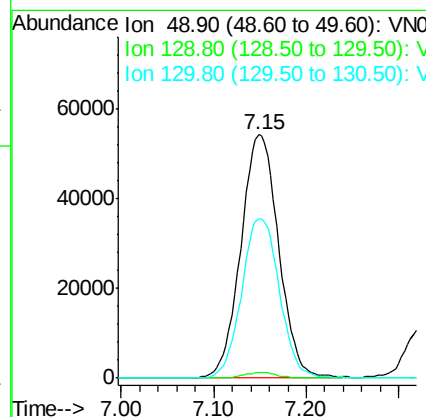
RT: 7.15 min Scan# 1682

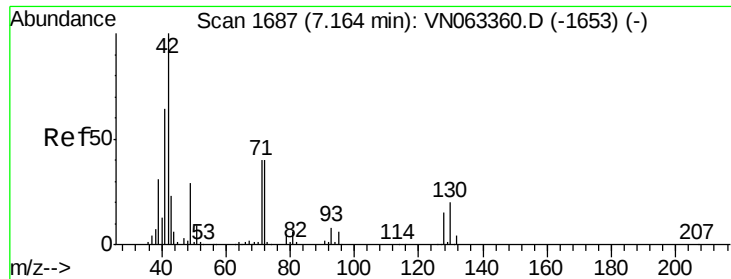
Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Tgt Ion:	49	Resp:	153736
Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	65.2	52.2	78.2





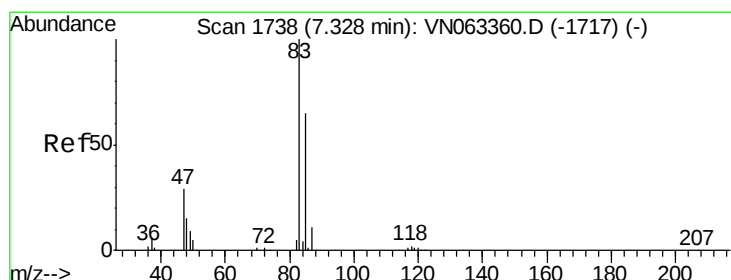
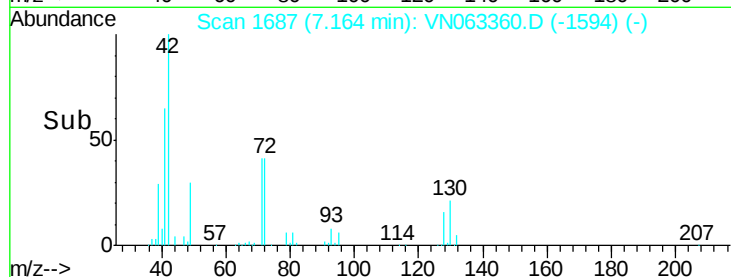
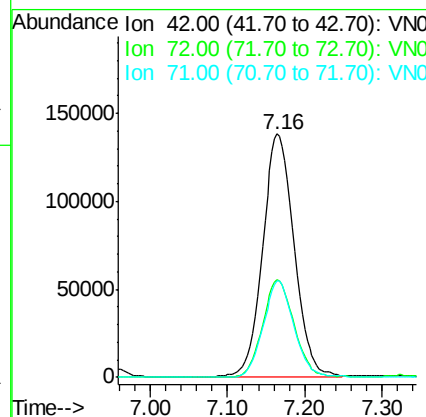
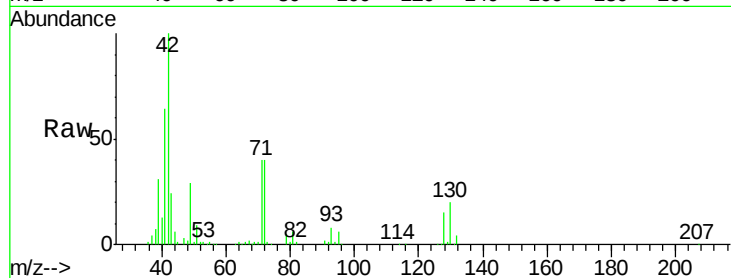
#29
Tetrahydrofuran
Concen: 267.210 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.1	48.1
71	39.0	31.2	46.8

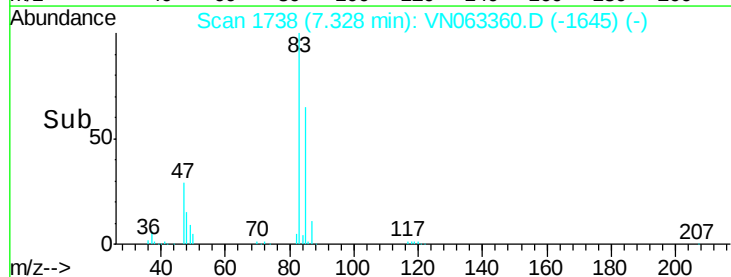
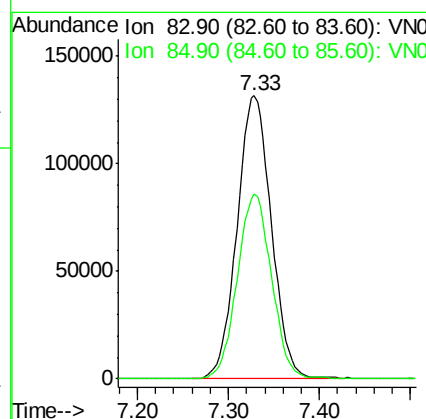
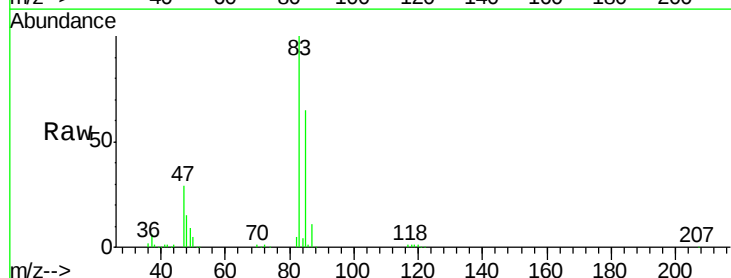
Manual Integrations
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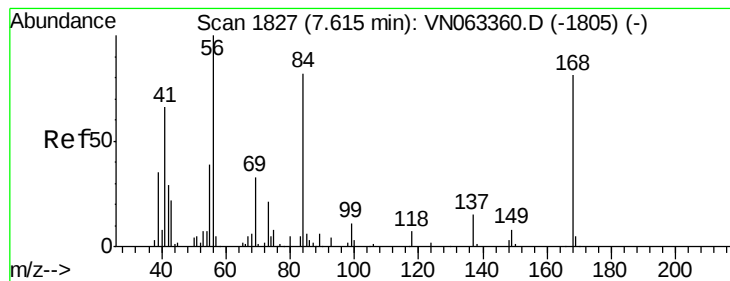
MMDadoda
9/17/2020 1:07:52 PM



#30
Chloroform
Concen: 51.397 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.1	78.1





#31

Cyclohexane

Concen: 50.111 ug/l

RT: 7.61 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 309606

Ion Ratio Lower Upper

56 100

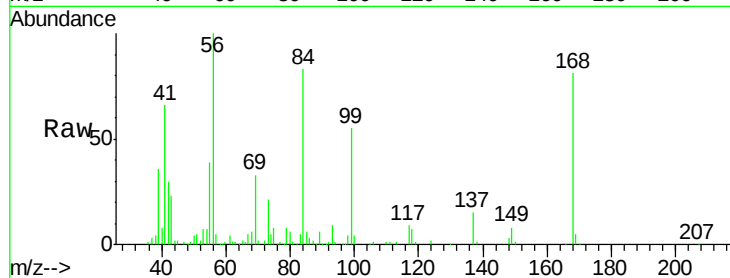
69 32.6 26.1 39.1

84 81.8 65.4 98.2

Manual Integrations
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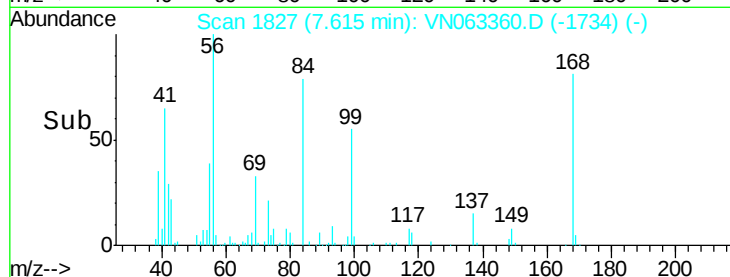


Abundance Ion 56.00 (55.70 to 56.70): VN063360.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN063360.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN063360.D (-1805) (-)

Time-->

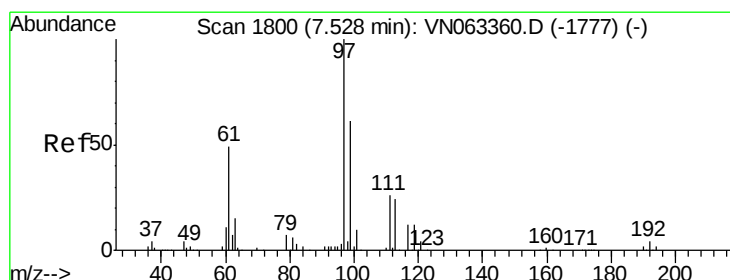


Abundance Ion 56.00 (55.70 to 56.70): VN063360.D (-1805) (-)

Ion 69.00 (68.70 to 69.70): VN063360.D (-1805) (-)

Ion 84.00 (83.70 to 84.70): VN063360.D (-1805) (-)

Time-->



#32

1,1,1-Trichloroethane

Concen: 52.074 ug/l

RT: 7.53 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

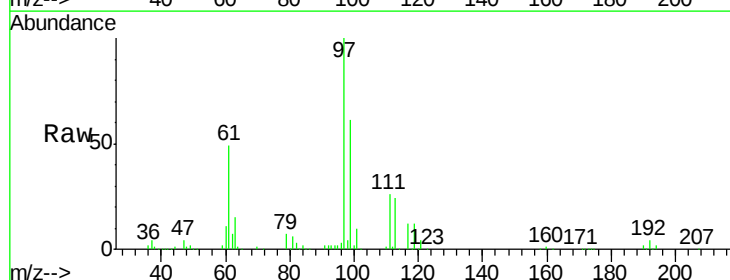
Tgt Ion: 97 Resp: 305694

Ion Ratio Lower Upper

97 100

99 63.3 50.6 76.0

61 49.0 39.2 58.8

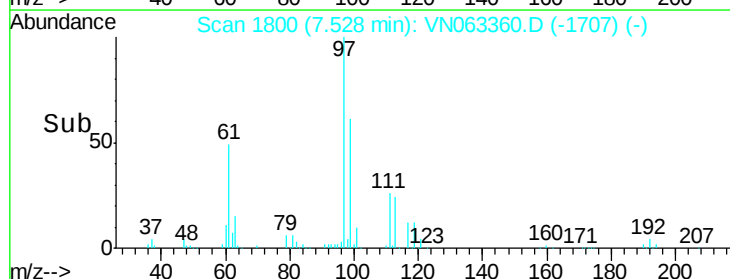


Abundance Ion 96.90 (96.60 to 97.60): VN063360.D (-1777) (-)

Ion 98.90 (98.60 to 99.60): VN063360.D (-1777) (-)

Ion 60.90 (60.60 to 61.60): VN063360.D (-1777) (-)

Time-->

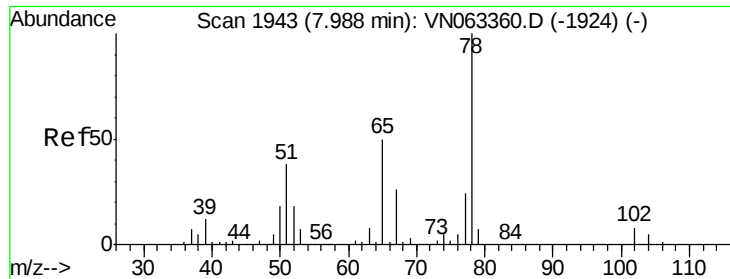


Abundance Ion 96.90 (96.60 to 97.60): VN063360.D (-1777) (-)

Ion 98.90 (98.60 to 99.60): VN063360.D (-1777) (-)

Ion 60.90 (60.60 to 61.60): VN063360.D (-1777) (-)

Time-->



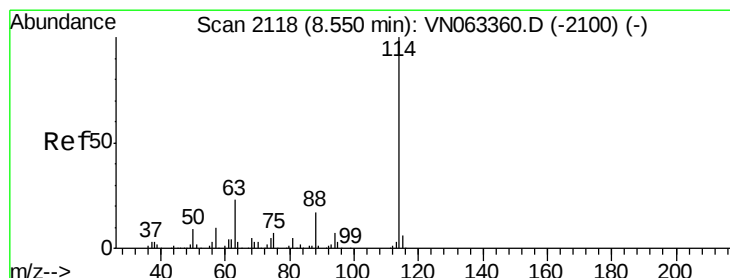
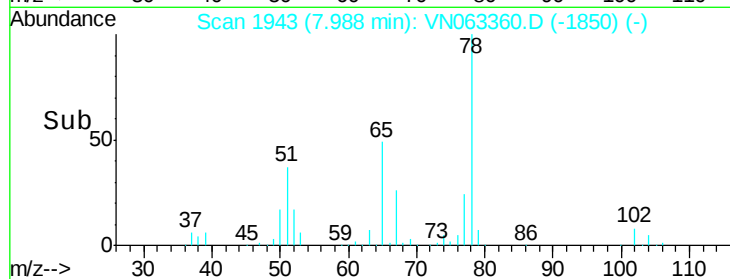
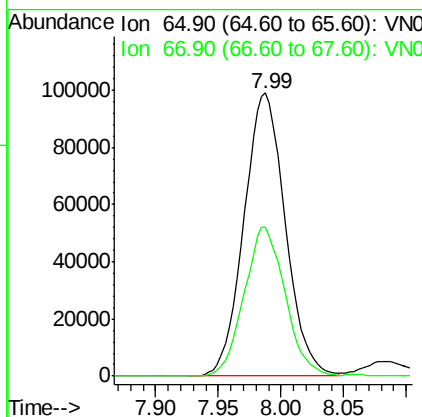
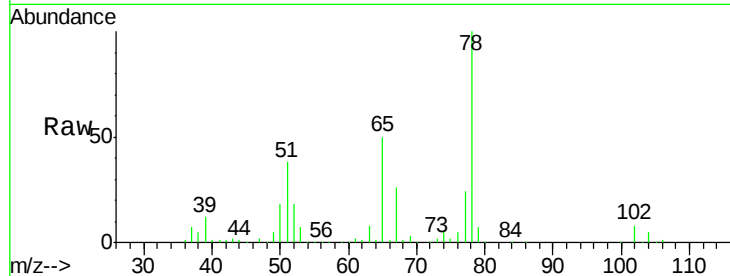
#33
 1,2-Dichloroethane-d4
 Concen: 51.584 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063360.D
 Acq: 16 Sep 2020 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	227472		
67	52.1	0.0	104.2	

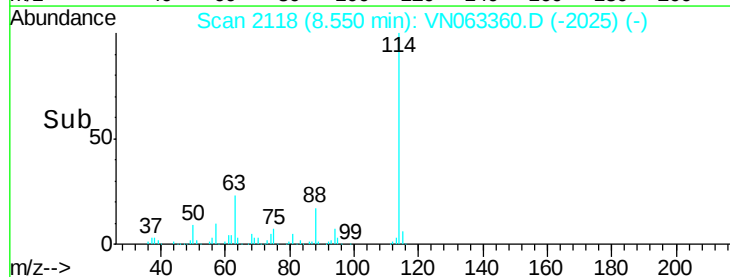
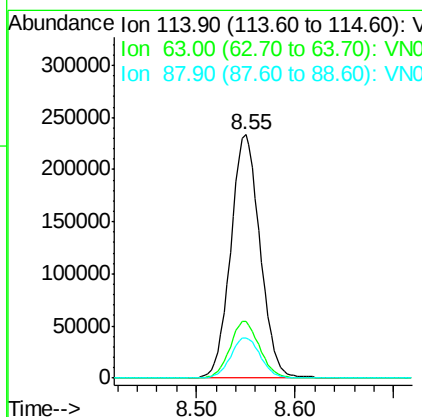
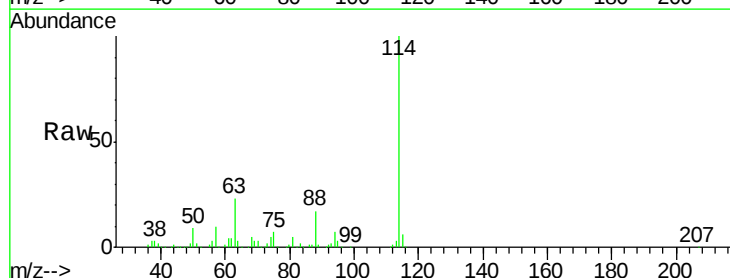
Manual Integrations
 APPROVED

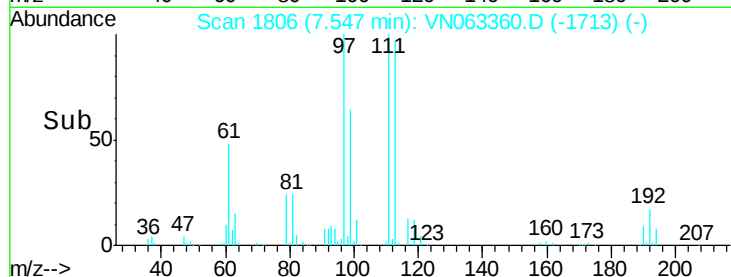
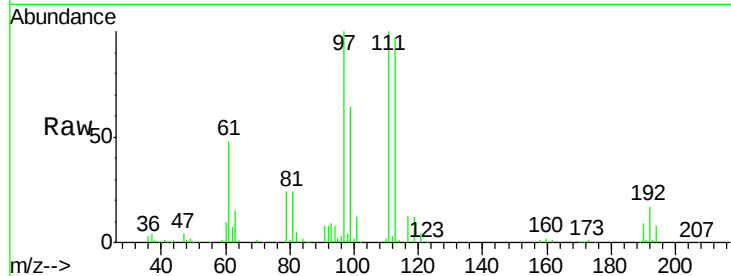
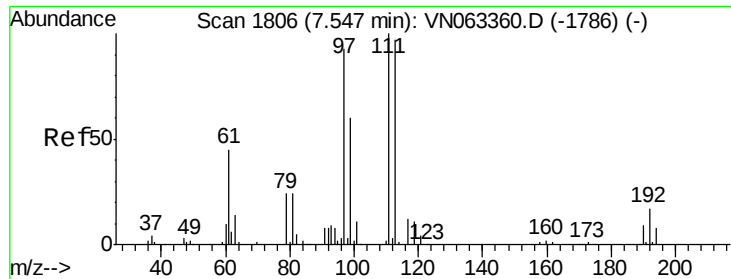
MMDadoda
 9/17/2020 1:07:52 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063360.D
 Acq: 16 Sep 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	484674		
63	23.2	0.0	46.4	
88	16.6	0.0	33.2	





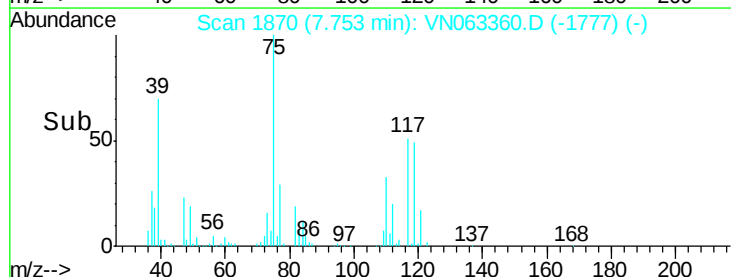
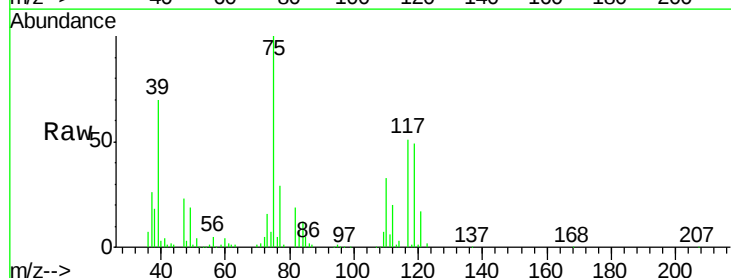
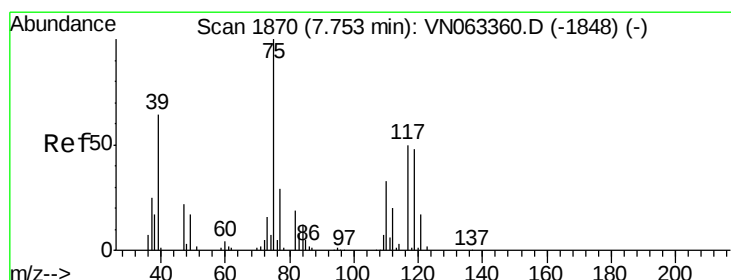
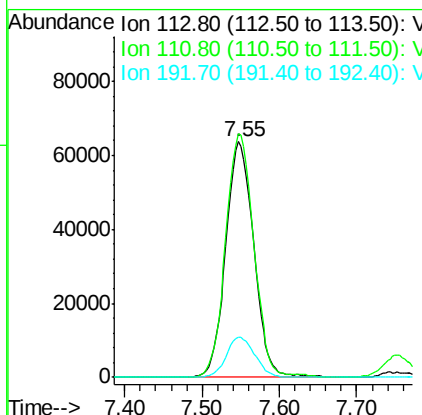
#35
Dibromofluoromethane
Concen: 50.907 ug/l
RT: 7.55 min Scan# 1806
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tot Ion	Ratio	Resp	Lower	Upper
113	100	159924		
111	103.6	82.9	124.3	
192	17.4	13.9	20.9	

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

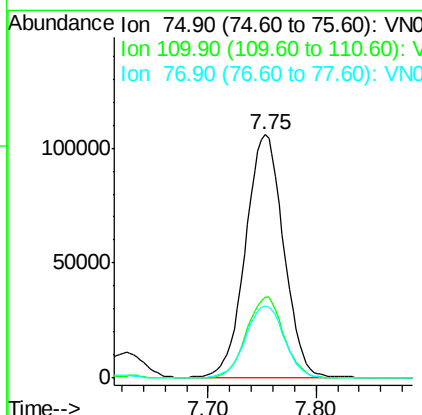
Manual Integrations
APPROVED

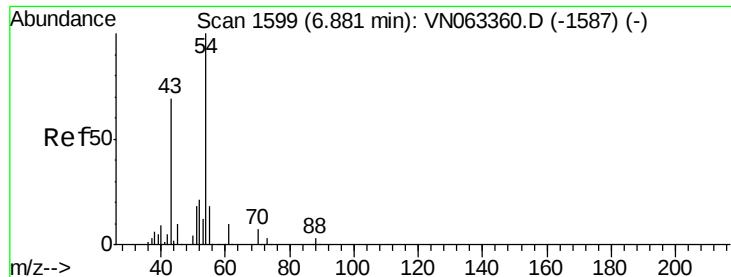
MMDadoda
9/17/2020 1:07:52 PM



#36
1,1-Dichloropropene
Concen: 51.321 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	257966		
110	33.0	16.5	49.5	
77	30.7	24.6	36.8	





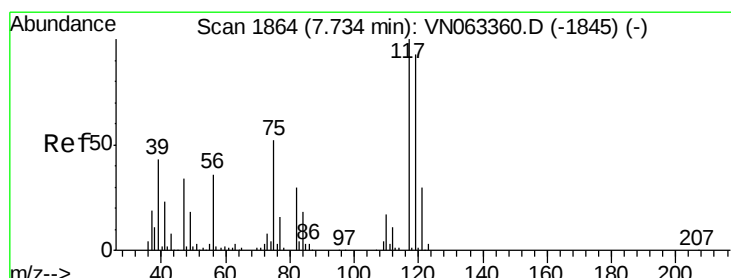
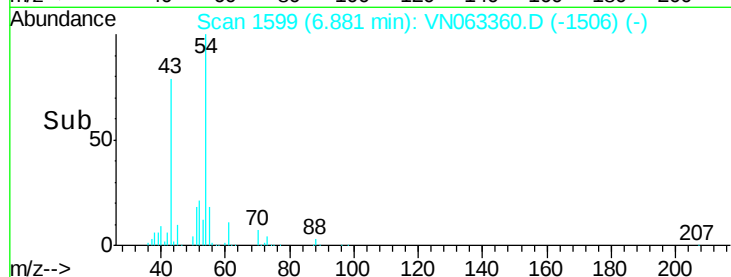
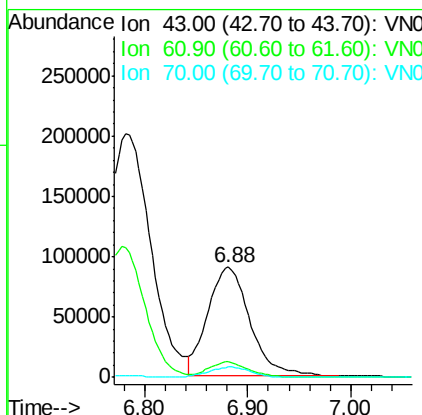
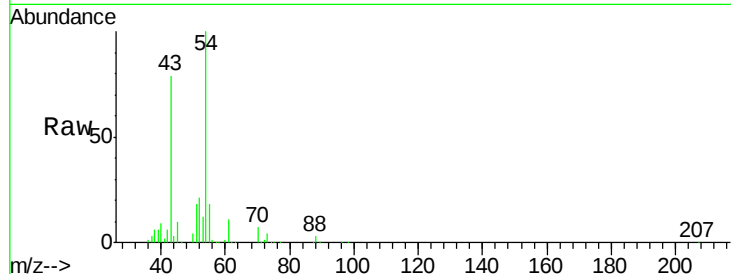
#37
Ethyl Acetate
Concen: 51.843 ug/l
RT: 6.88 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.6	15.8
70	9.0	7.2	10.8

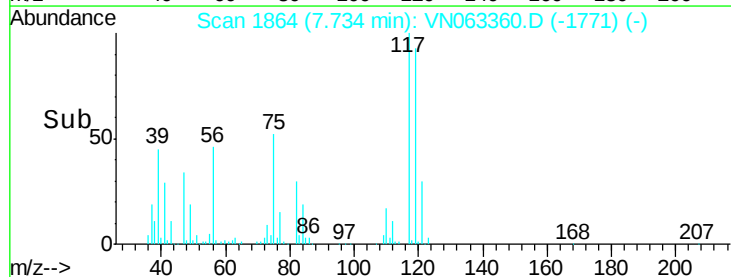
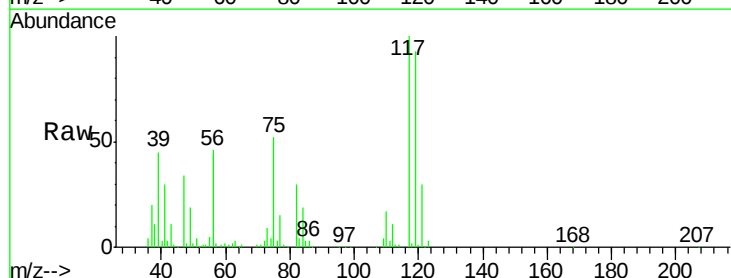
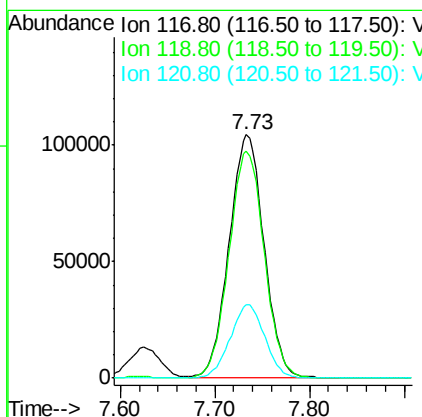
Manual Integrations
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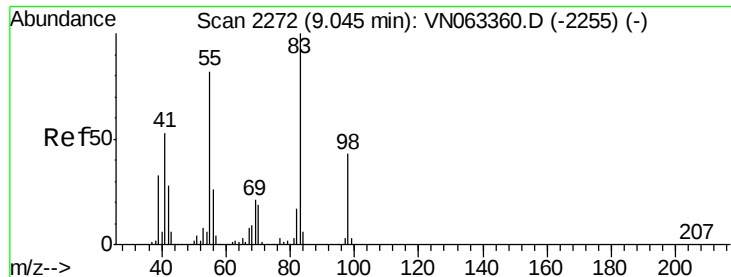
MMDadoda
9/17/2020 1:07:52 PM



#38
Carbon Tetrachloride
Concen: 53.561 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	74.5	111.7
121	30.1	24.1	36.1





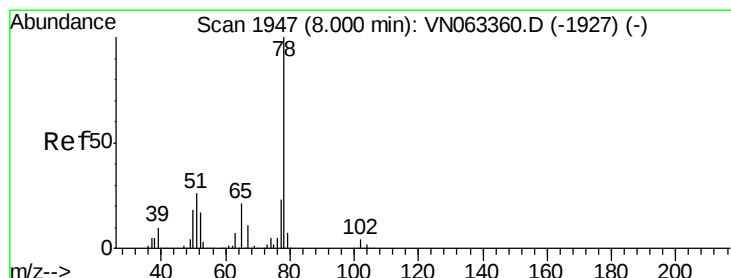
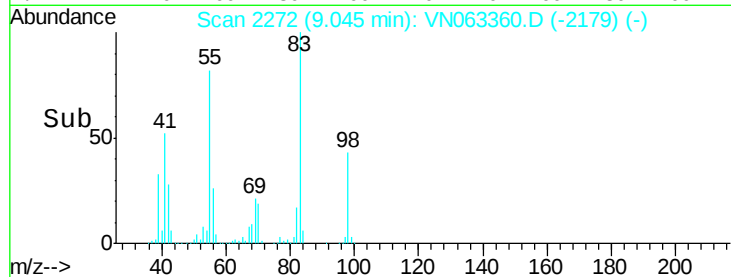
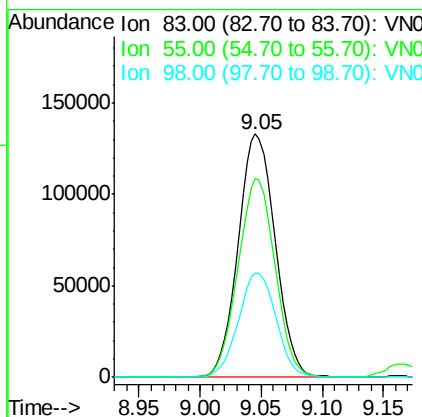
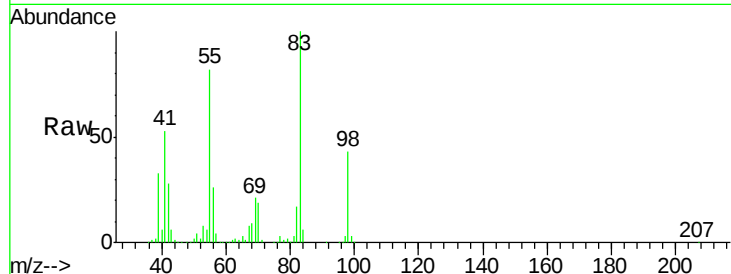
#39
Methvlcvclohexane
Concen: 51.105 ug/l
RT: 9.05 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	279996		
55	81.9		65.5	98.3
98	42.8		34.2	51.4

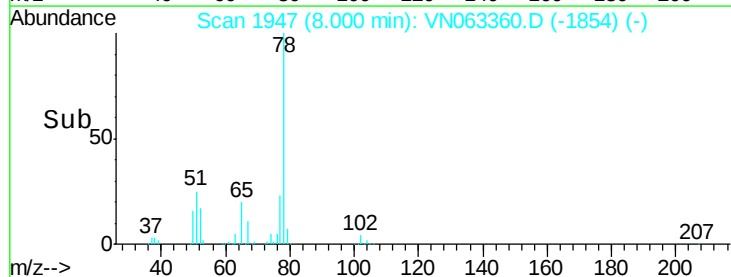
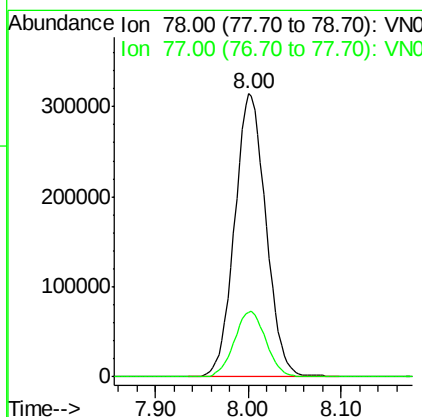
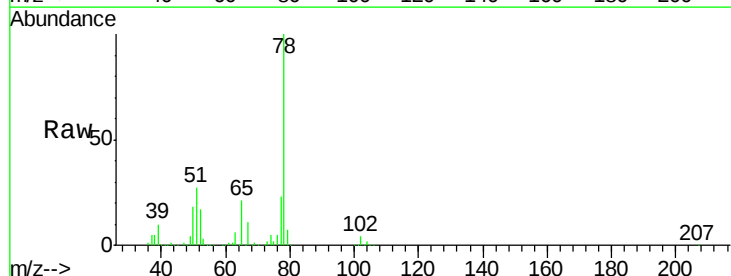
Manual Integrations
APPROVED

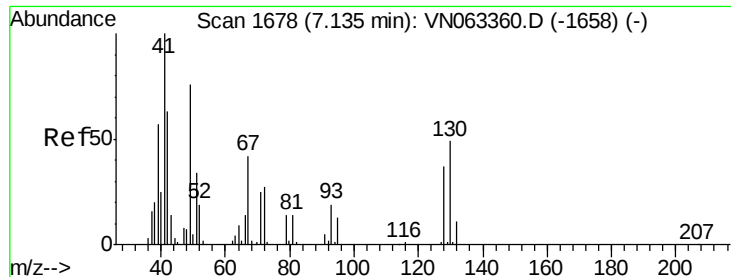
MMDadoda
9/17/2020 1:07:52 PM



#40
Benzene
Concen: 51.315 ug/l
RT: 8.00 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	735467		
77	22.9		18.3	27.5





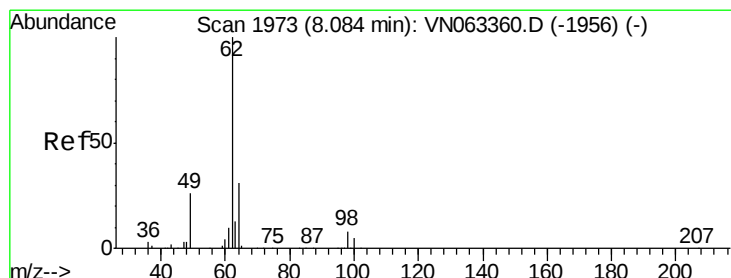
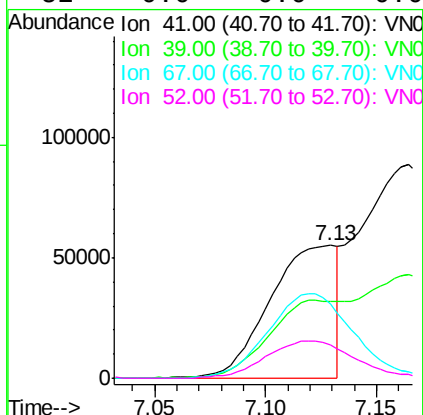
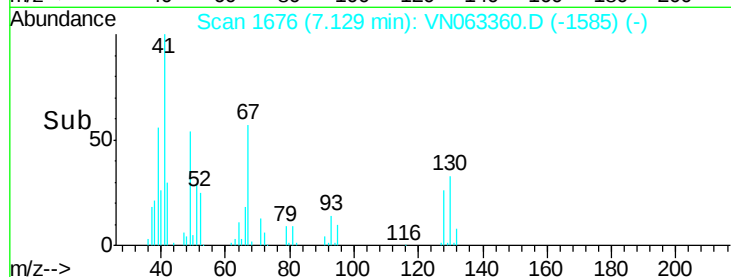
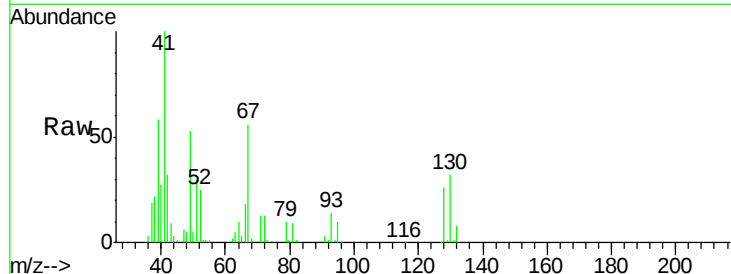
#41
Methacrylonitrile
Concen: 51.428 ug/l m
RT: 7.13 min Scan# 1676
Delta R.T. -0.01 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	116150		
39	0.0	0.0	0.0	0.0
67	0.0	0.0	0.0	0.0
52	0.0	0.0	0.0	0.0

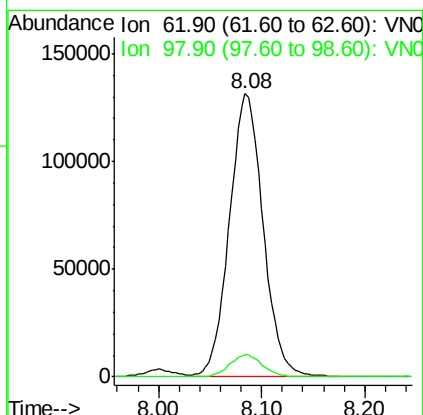
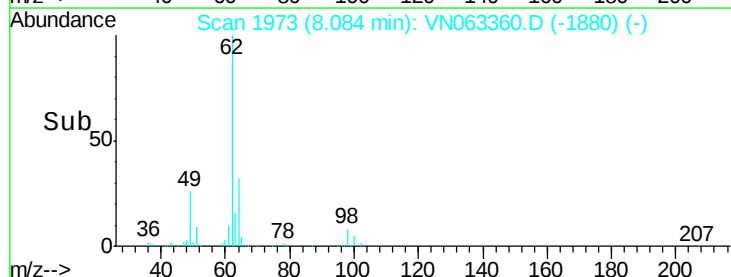
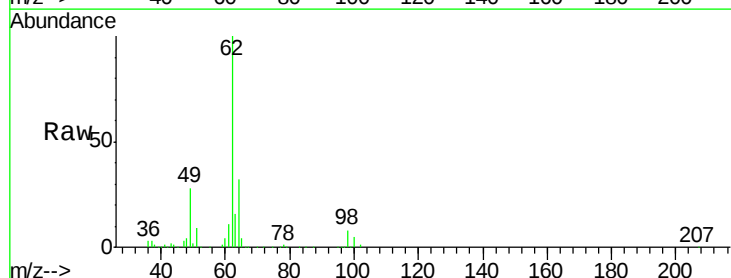
Manual Integrations
APPROVED

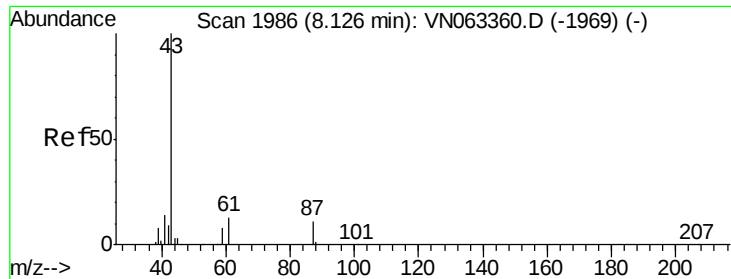
MMDadoda
9/17/2020 1:07:52 PM



#42
1,2-Dichloroethane
Concen: 54.210 ug/l
RT: 8.08 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	297745		
98	7.8	0.0	15.6	





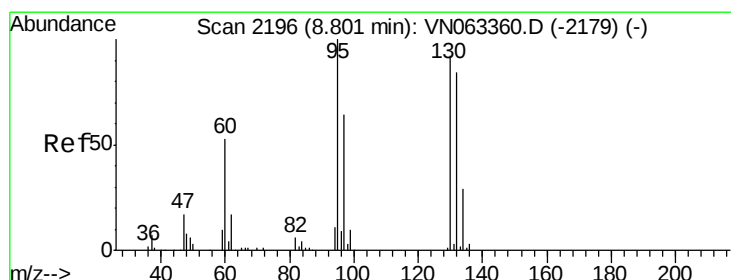
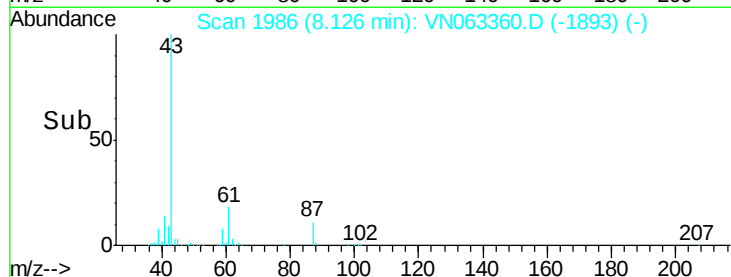
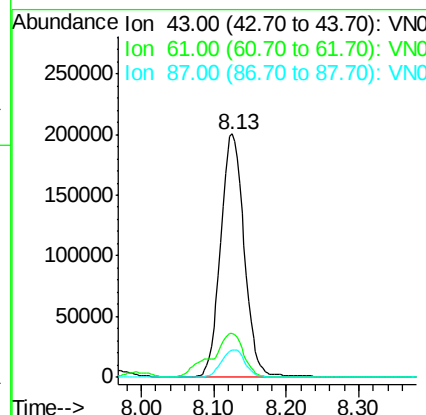
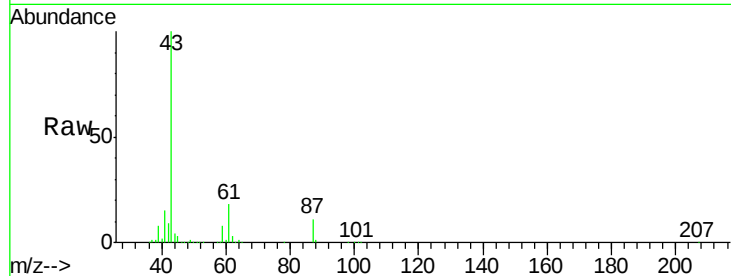
#43
Isopropyl Acetate
Concen: 53.638 ug/l
RT: 8.13 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.7	14.2	21.2
87	11.3	9.0	13.6

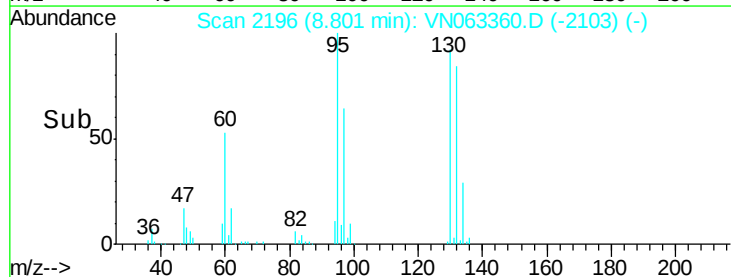
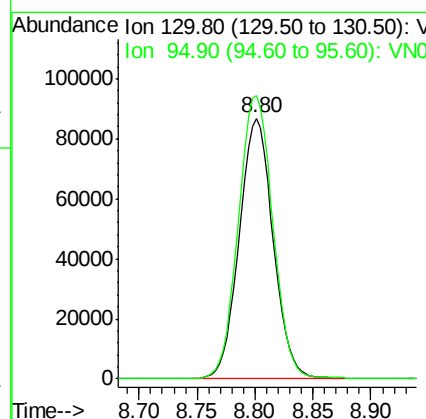
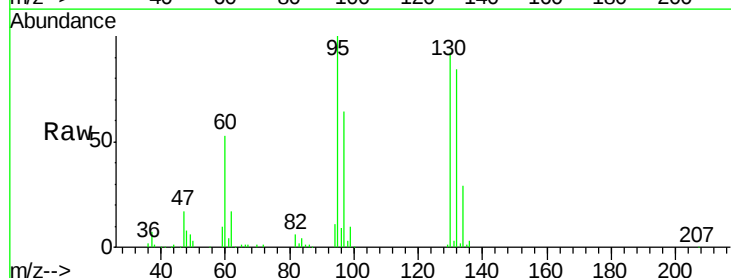
Manual Integrations
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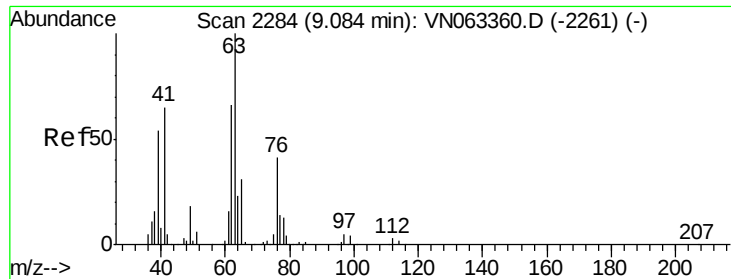
MMDadoda
9/17/2020 1:07:52 PM



#44
Trichloroethene
Concen: 47.779 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	108.7	0.0	217.4





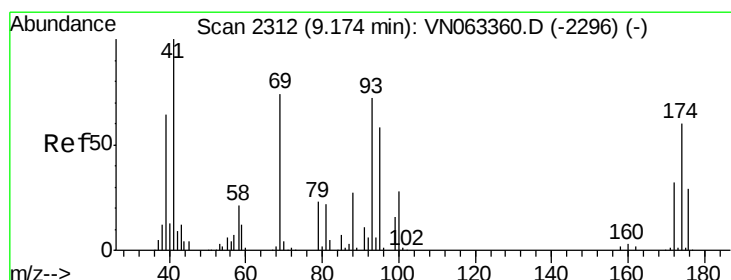
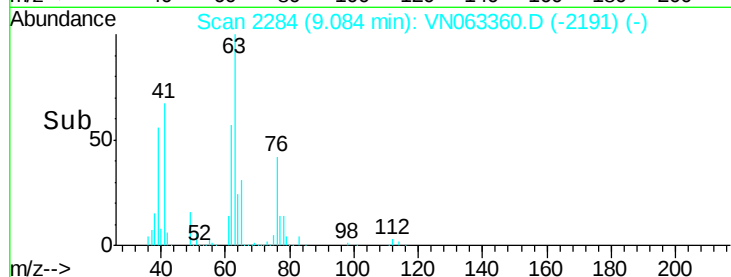
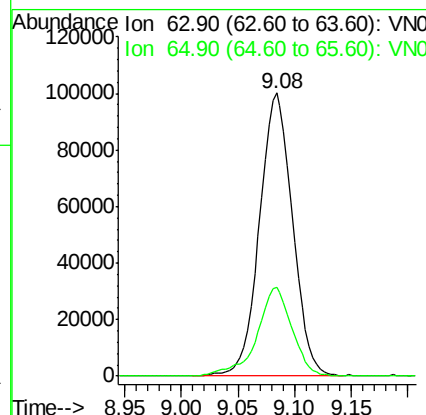
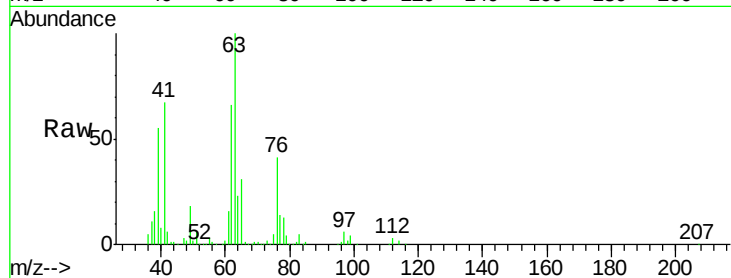
#45
 1,2-Dichloropropane
 Concen: 51.690 ug/l
 RT: 9.08 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN063360.D
 Acq: 16 Sep 2020 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 203413
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6

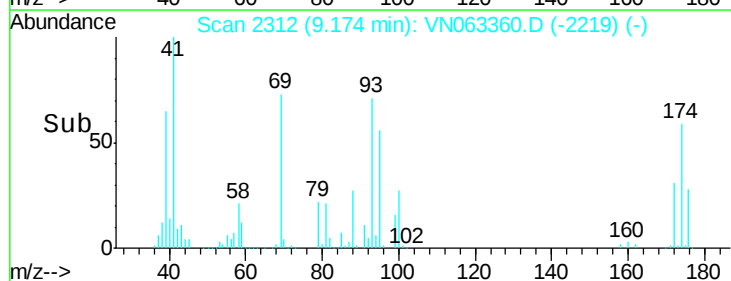
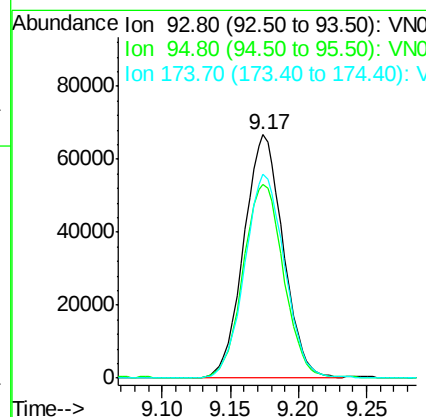
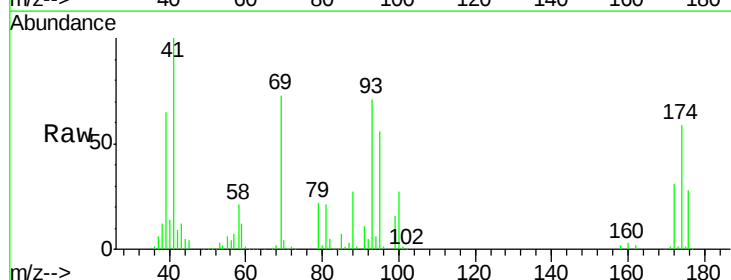
Manual Integrations
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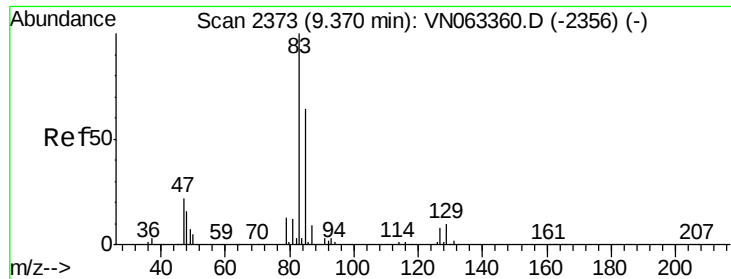
MMDadoda
 9/17/2020 1:07:52 PM



#46
 Dibromomethane
 Concen: 52.002 ug/l
 RT: 9.17 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN063360.D
 Acq: 16 Sep 2020 11:55

Tgt Ion: 93 Resp: 133391
 Ion Ratio Lower Upper
 93 100
 95 82.0 65.6 98.4
 174 85.1 68.1 102.1





#47

Bromodichloromethane

Concen: 51.839 ug/l

RT: 9.37 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Instrument :

MSVOA_N

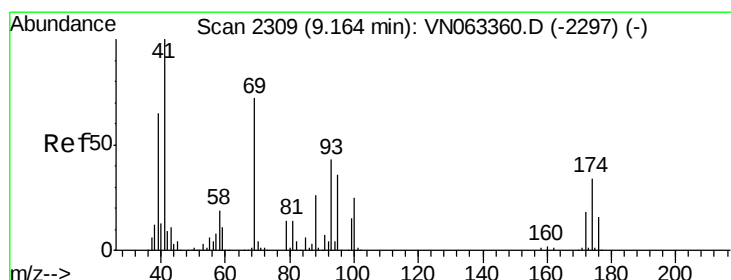
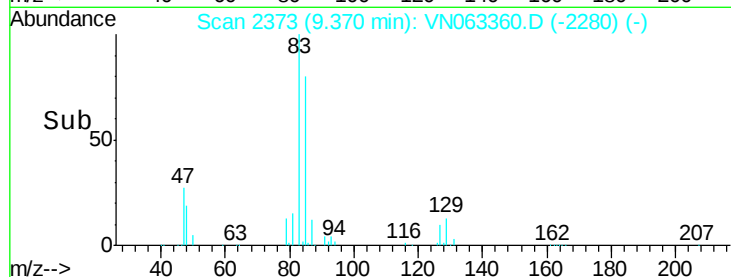
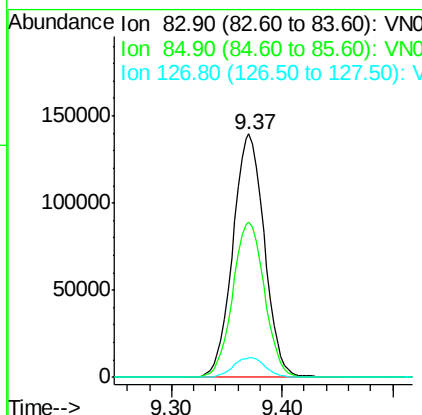
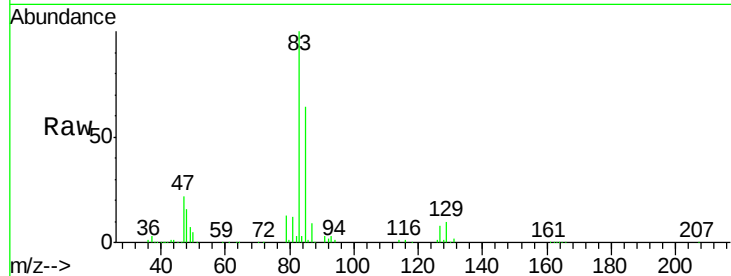
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	276123
Ion	Ratio	Lower	Upper
83	100		
85	63.8	51.0	76.6
127	7.9	6.3	9.5

Manual Integrations
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MMDadoda
9/17/2020 1:07:52 PM



#48

Methyl methacrylate

Concen: 55.305 ug/l

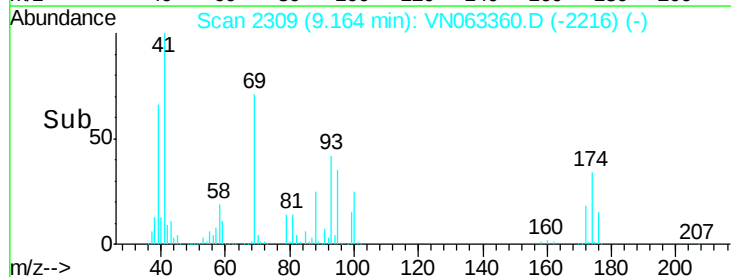
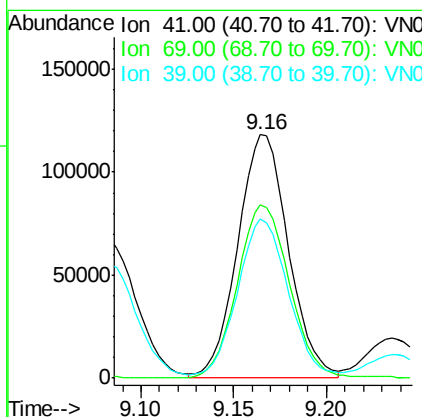
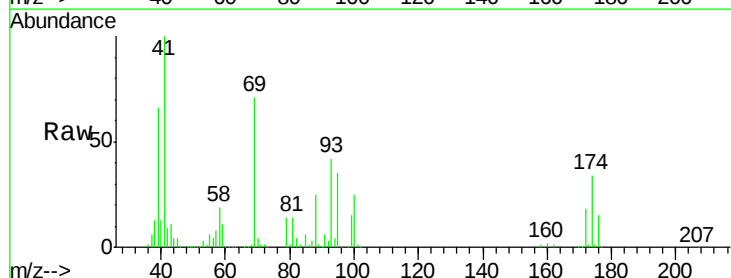
RT: 9.16 min Scan# 2309

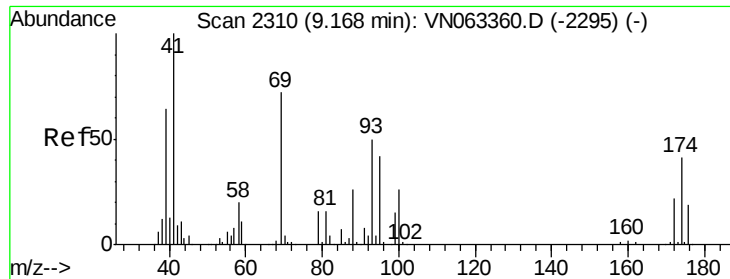
Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Tgt Ion:	41	Resp:	223692
Ion	Ratio	Lower	Upper
41	100		
69	74.1	59.3	88.9
39	66.1	52.9	79.3





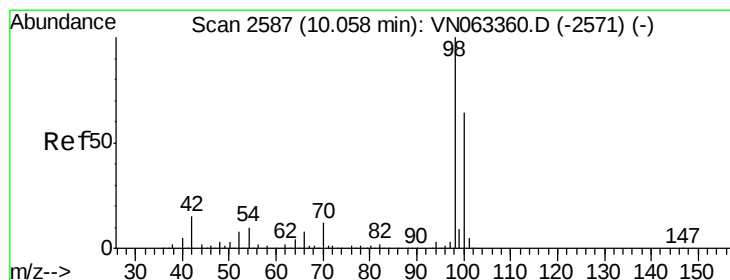
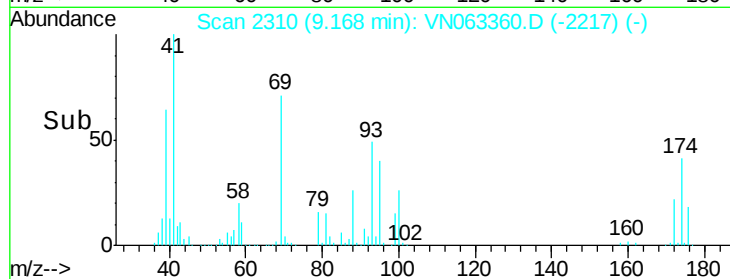
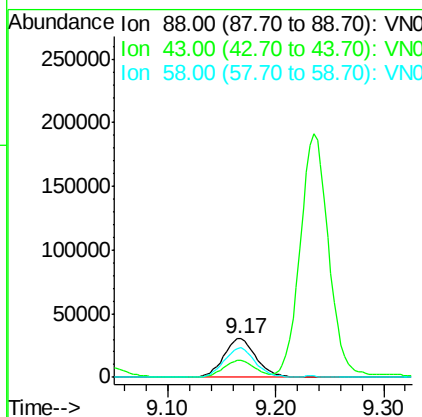
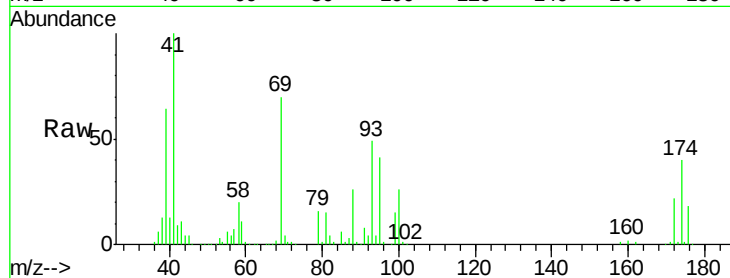
#49
1,4-Dioxane
Concen: 1012.150 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	88	Resp	63072
Ion Ratio	Lower	Upper	
88	100		
43	40.8	32.6	49.0
58	75.0	60.0	90.0

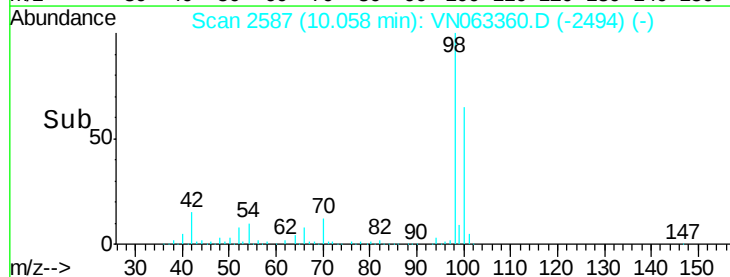
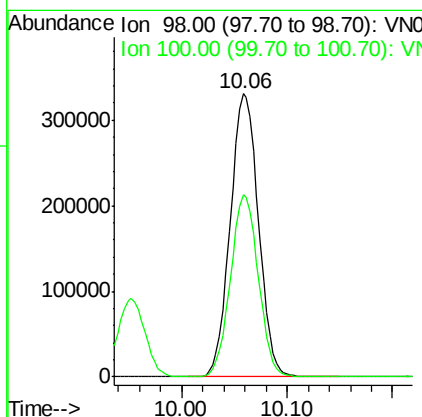
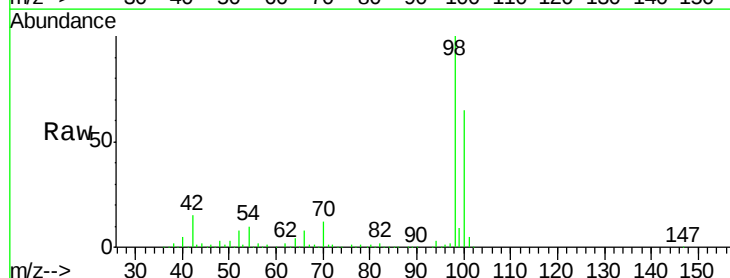
Manual Integrations
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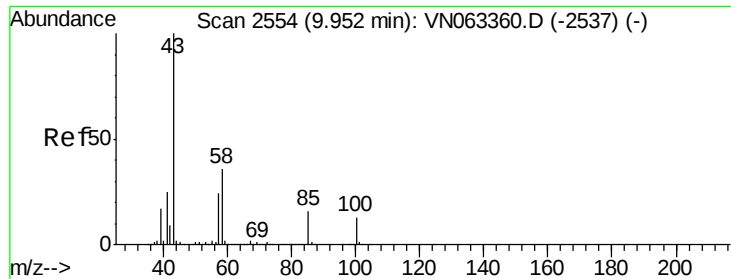
MMDadoda
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#50
Toluene-d8
Concen: 50.930 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion	98	Resp	612984
Ion Ratio	Lower	Upper	
98	100		
100	63.4	50.7	76.1





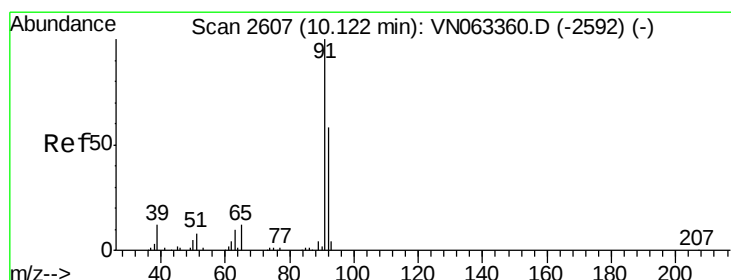
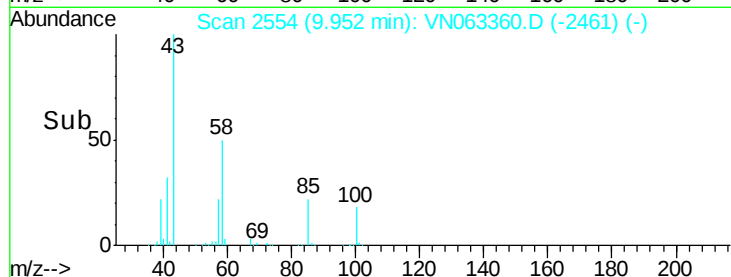
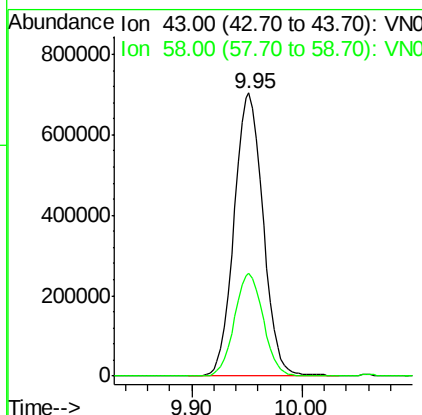
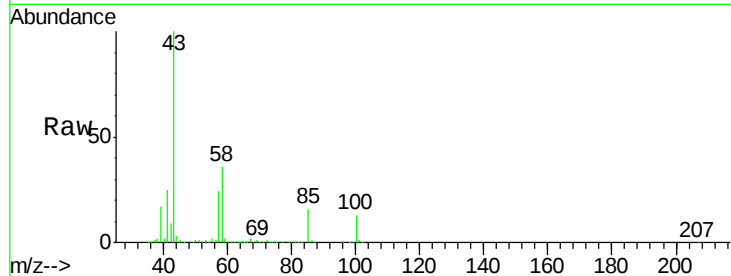
#51
4-Methyl-2-Pentanone
Concen: 275.987 ug/l
RT: 9.95 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1278742
Ion Ratio Lower Upper
43 100
58 36.3 29.0 43.6

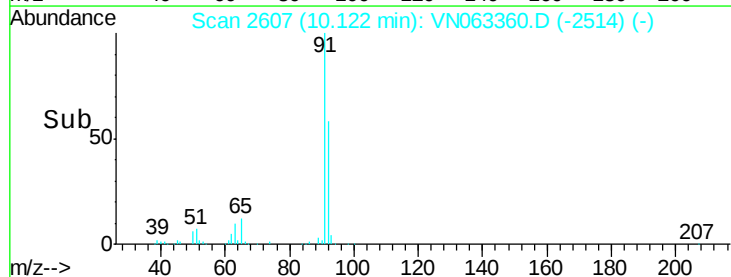
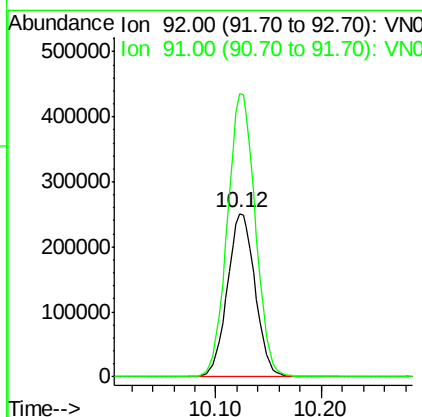
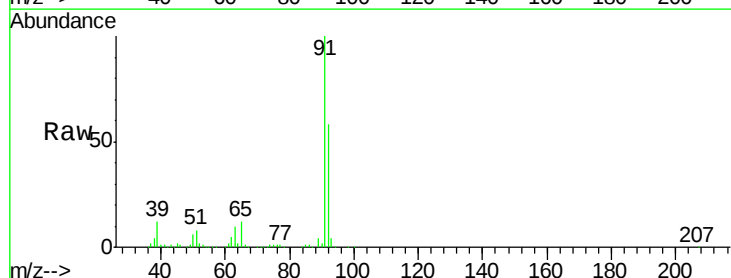
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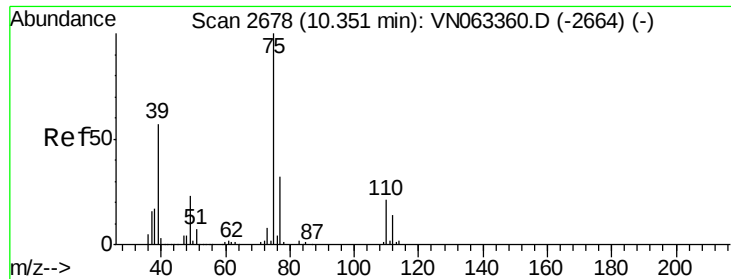
MMDadoda
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#52
Toluene
Concen: 52.023 ug/l
RT: 10.12 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion: 92 Resp: 456389
Ion Ratio Lower Upper
92 100
91 174.6 139.7 209.5





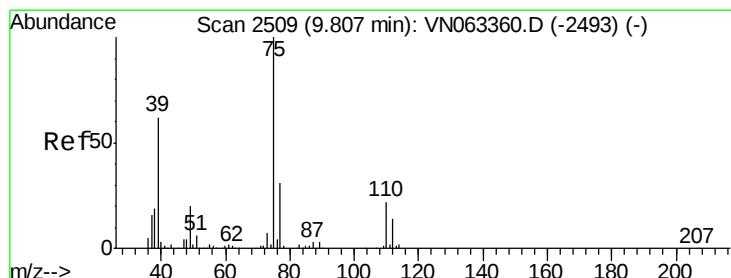
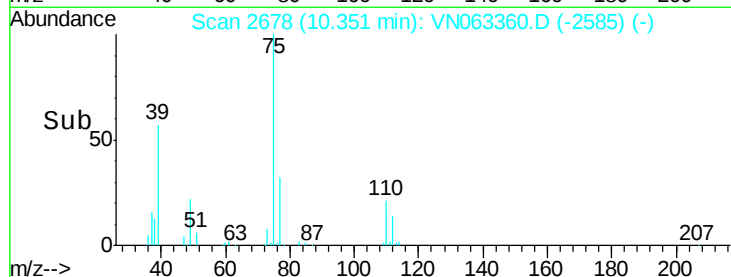
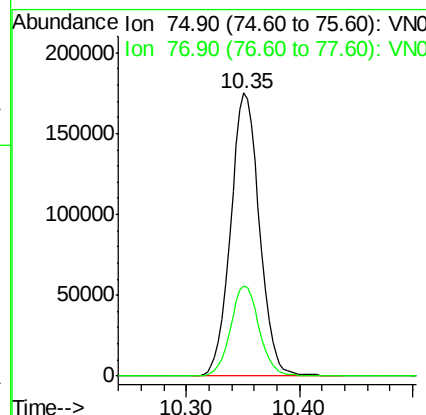
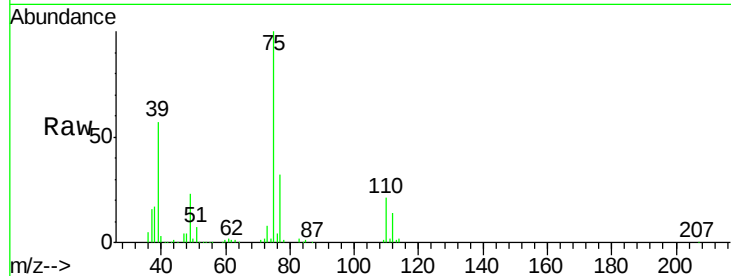
#53
t-1,3-Dichloropropene
Concen: 53.354 ug/l
RT: 10.35 min Scan# 2678
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 310365
Ion Ratio Lower Upper
75 100
77 31.8 25.4 38.2

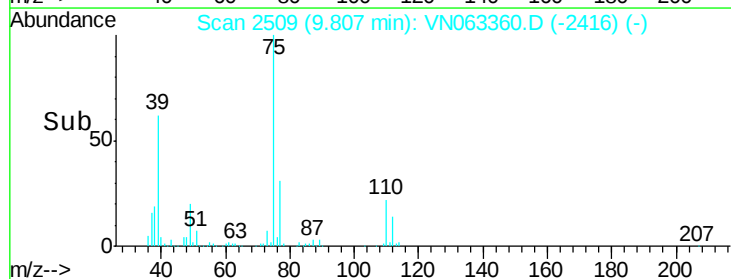
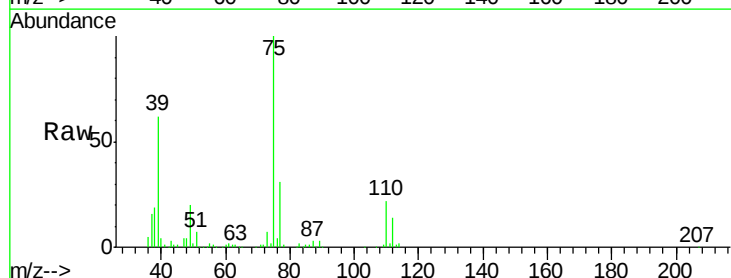
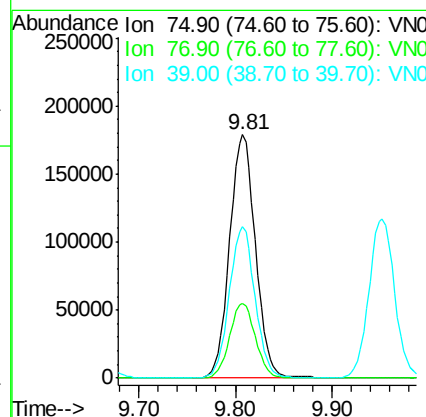
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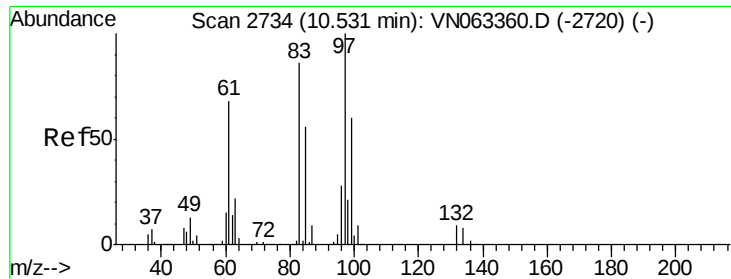
MMDadoda
9/17/2020 1:07:52 PM



#54
cis-1,3-Dichloropropene
Concen: 53.203 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion: 75 Resp: 332866
Ion Ratio Lower Upper
75 100
77 30.8 24.6 37.0
39 62.3 49.8 74.8





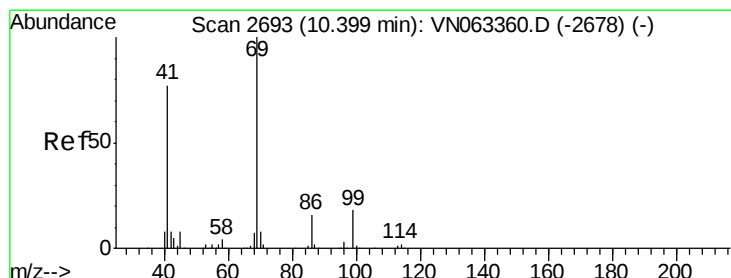
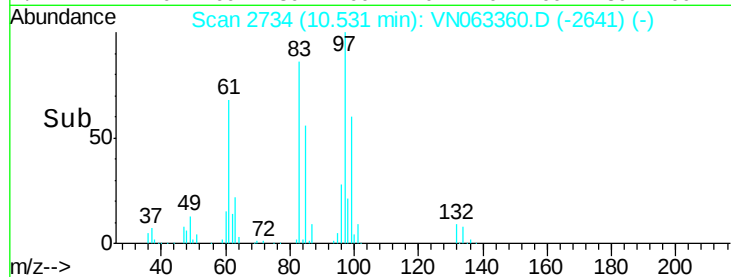
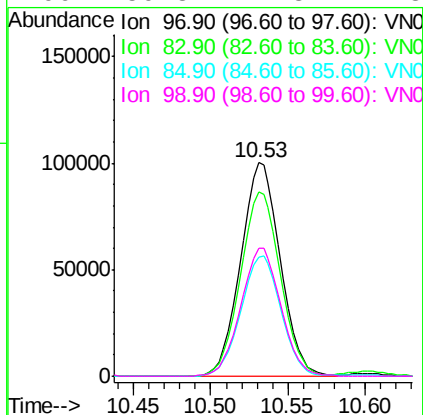
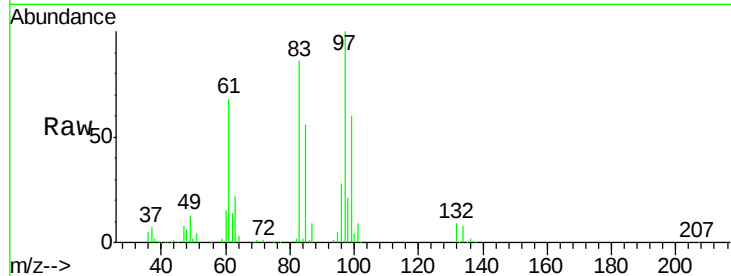
#55
 1,1,2-Trichloroethane
 Concen: 51.857 ug/l
 RT: 10.53 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN063360.D
 Acq: 16 Sep 2020 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	178174
Ion	Ratio	Lower	Upper
97	100		
83	86.1	68.9	103.3
85	56.0	44.8	67.2
99	59.8	47.8	71.8

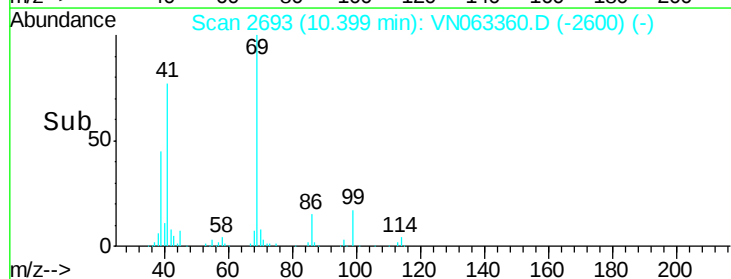
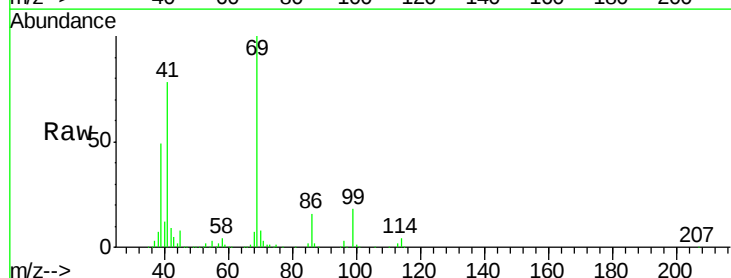
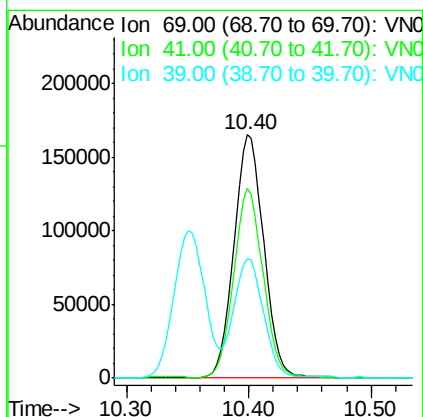
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 53.631 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN063360.D
 Acq: 16 Sep 2020 11:55

Tgt Ion:	69	Resp:	279940
Ion	Ratio	Lower	Upper
69	100		
41	76.3	61.0	91.6
39	49.0	39.2	58.8





#57

1,3-Dichloropropane

Concen: 52.590 ug/l

RT: 10.68 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 76 Resp: 315890

Ion Ratio Lower Upper

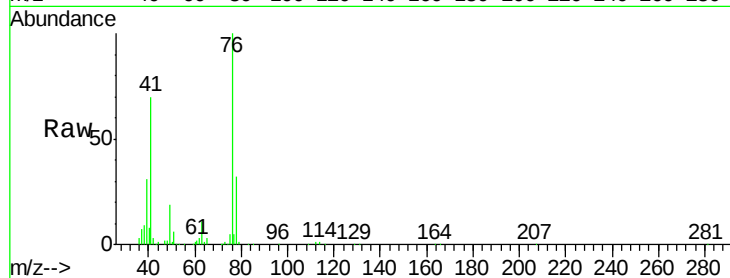
76 100

78 32.3 25.8 38.8

Manual Integrations
APPROVED

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Abundance Ion 75.90 (75.60 to 76.60): VN063360.D (-2764) (-)

Ion 77.90 (77.60 to 78.60): VN063360.D (-2764) (-)

10.68

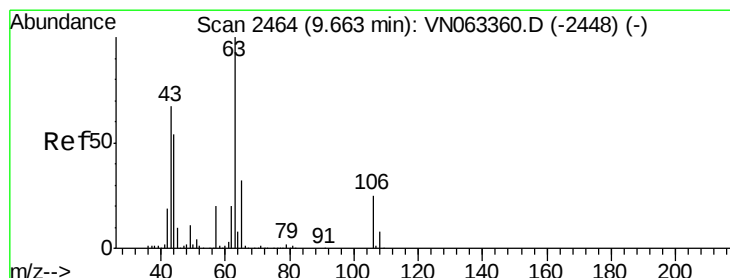
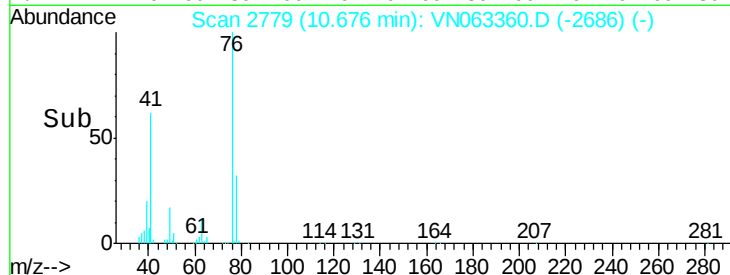
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 250.357 ug/l

RT: 9.66 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN063360.D

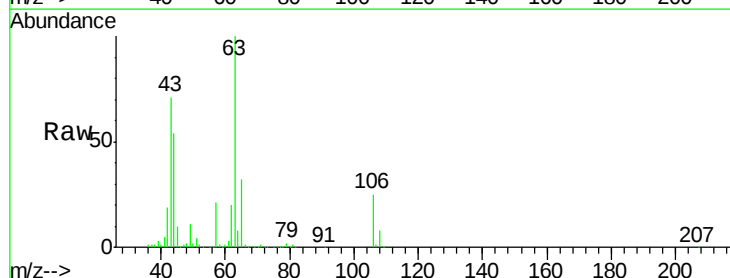
Acq: 16 Sep 2020 11:55

Tgt Ion: 63 Resp: 702774

Ion Ratio Lower Upper

63 100

106 24.4 19.5 29.3



Abundance Ion 62.90 (62.60 to 63.60): VN063360.D (-2448) (-)

Ion 105.90 (105.60 to 106.60): VN063360.D (-2448) (-)

9.66

400000

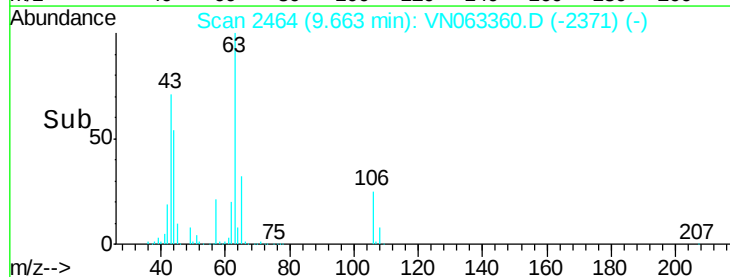
300000

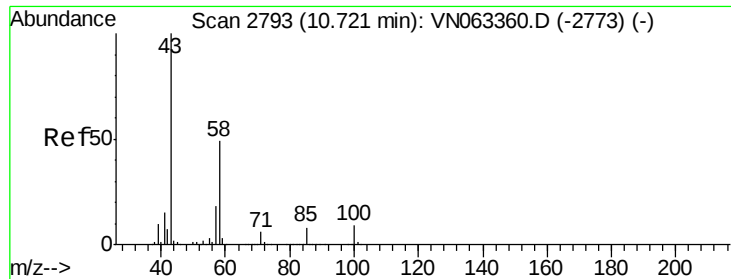
200000

100000

0

Time-->





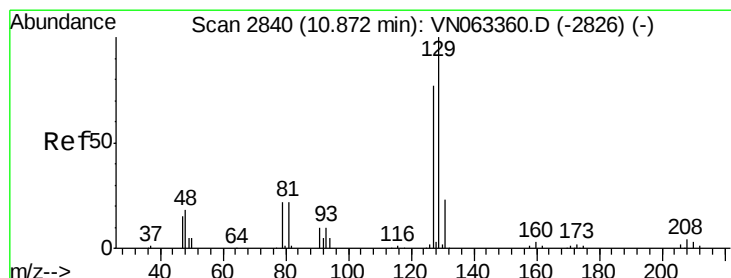
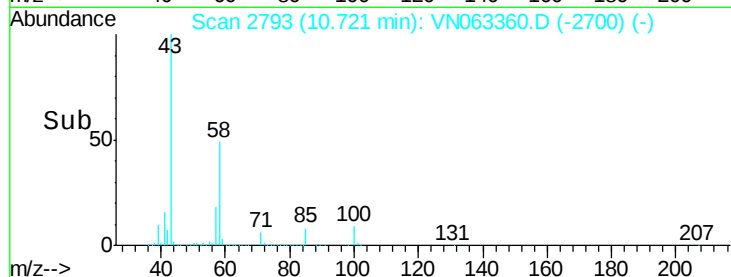
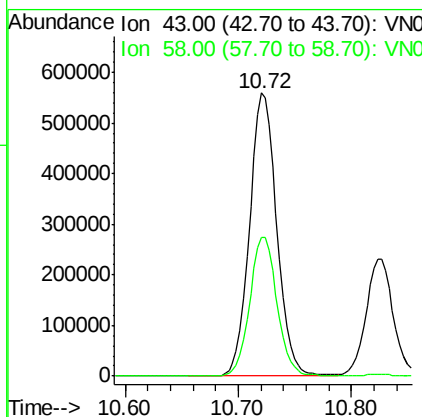
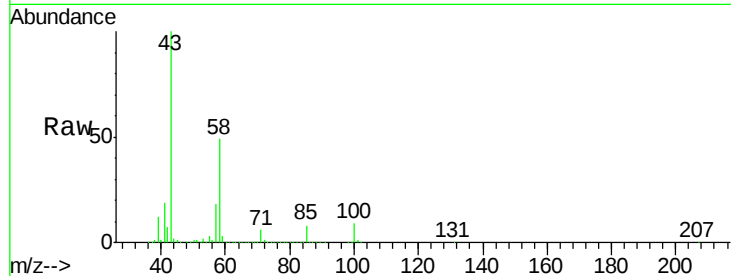
#59
2-Hexanone
Concen: 273.583 ug/l
RT: 10.72 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 934235
Ion Ratio Lower Upper
43 100
58 49.4 24.7 74.1

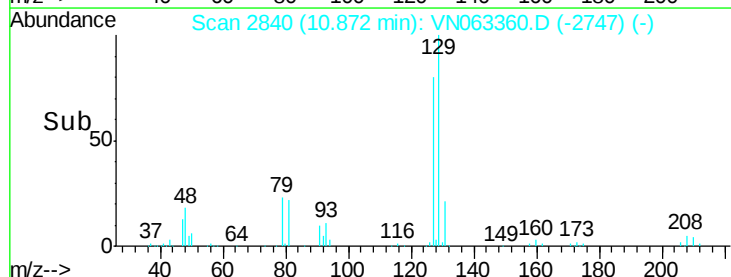
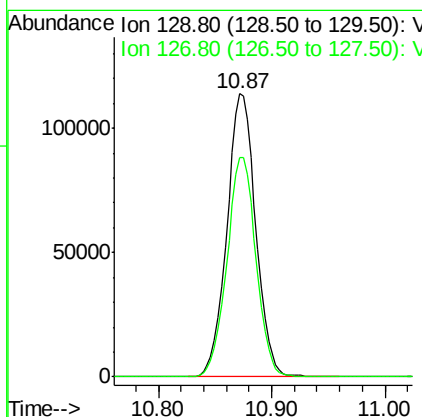
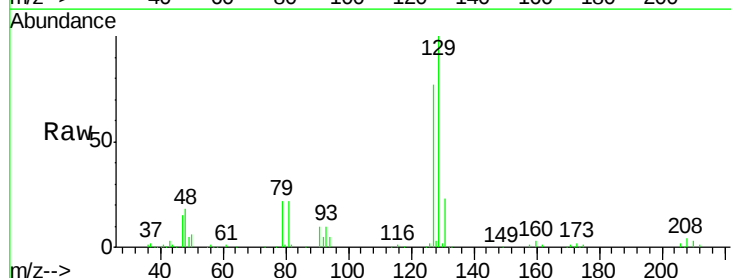
Manual Integrations
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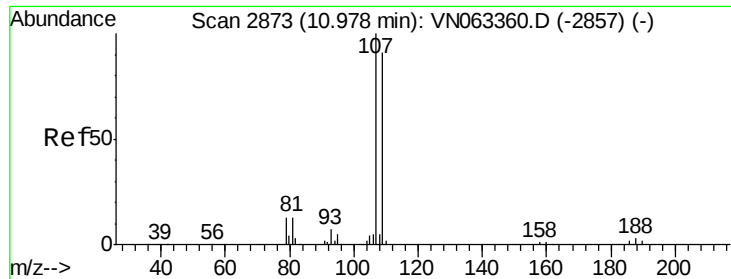
MMDadoda
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#60
Dibromochloromethane
Concen: 53.405 ug/l
RT: 10.87 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion: 129 Resp: 201742
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.3





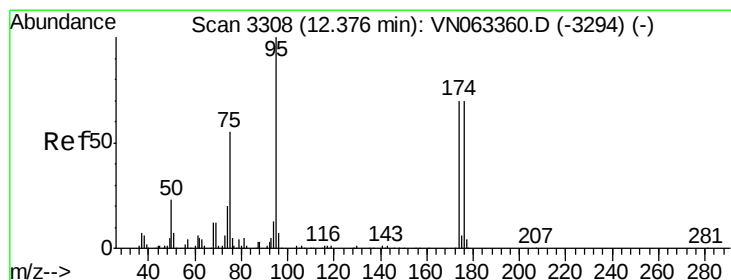
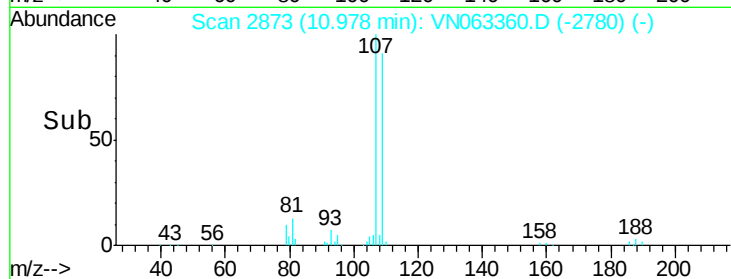
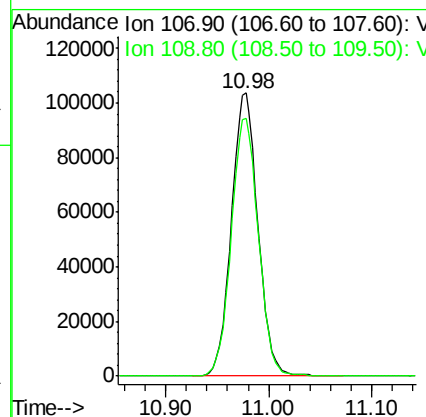
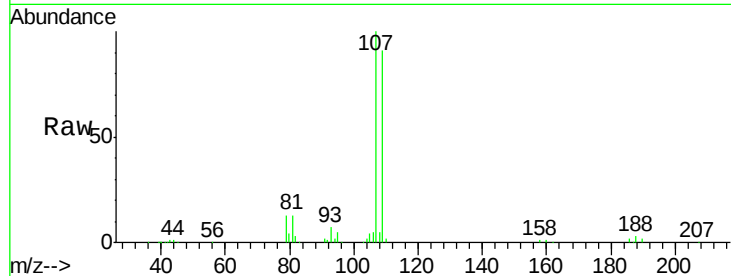
#61
 1,2-Dibromoethane
 Concen: 51.807 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063360.D
 Acq: 16 Sep 2020 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.2	74.6	111.8

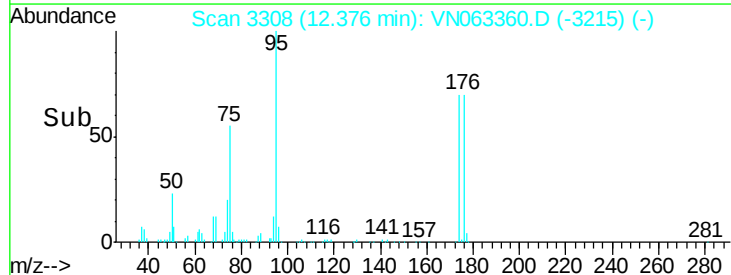
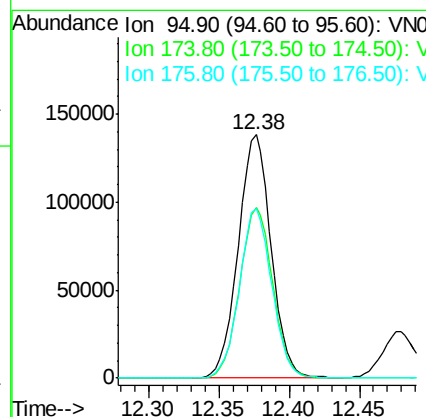
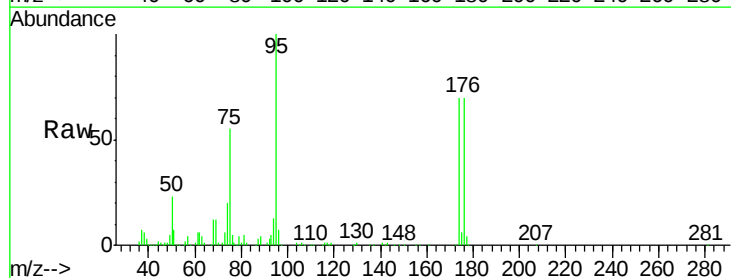
Manual Integrations
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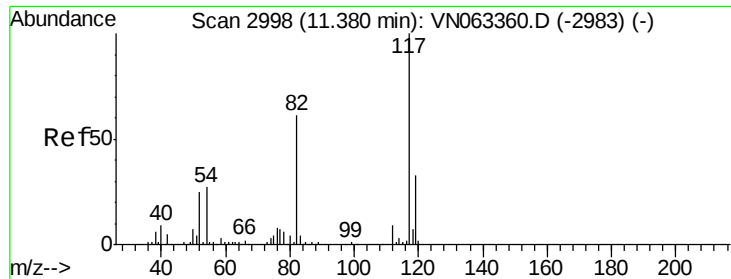
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#62
 4-Bromofluorobenzene
 Concen: 50.878 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063360.D
 Acq: 16 Sep 2020 11:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	140.8
176	68.8	0.0	137.6





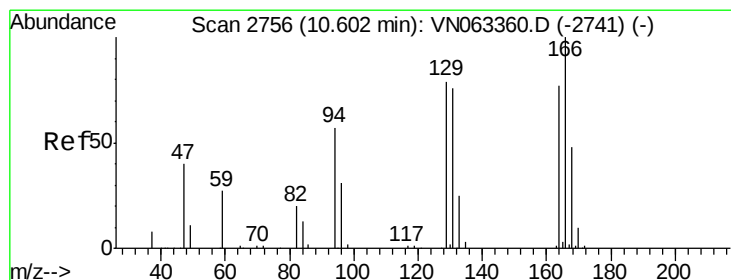
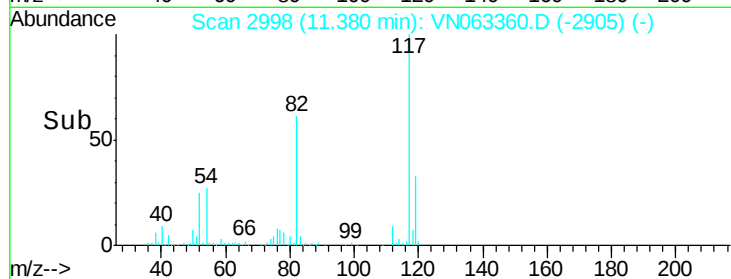
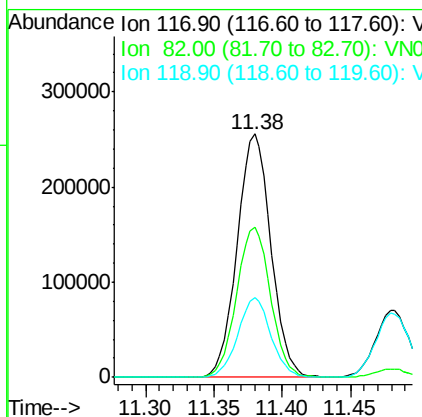
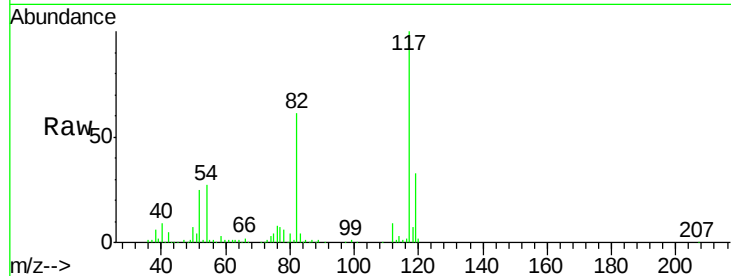
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.5	49.2	73.8
119	32.8	26.2	39.4

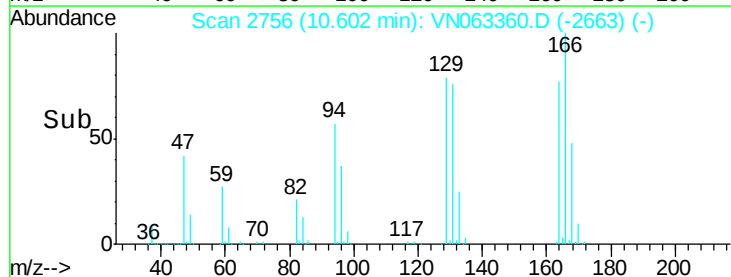
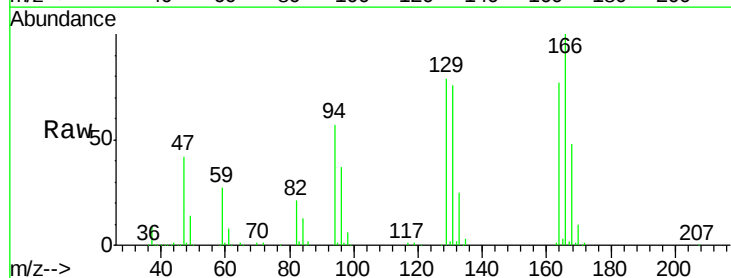
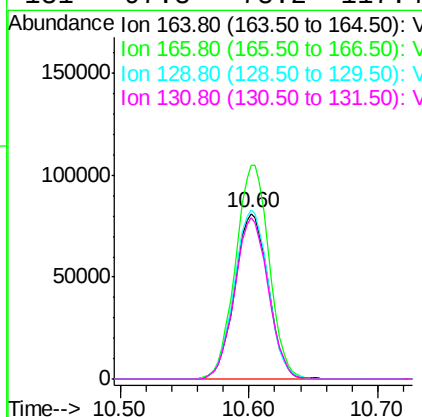
Manual Integrations
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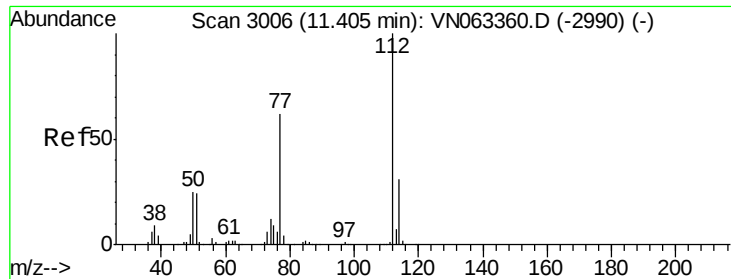
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#64
Tetrachloroethene
Concen: 42.119 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.2	103.4	155.0
129	102.2	81.8	122.6
131	97.8	78.2	117.4





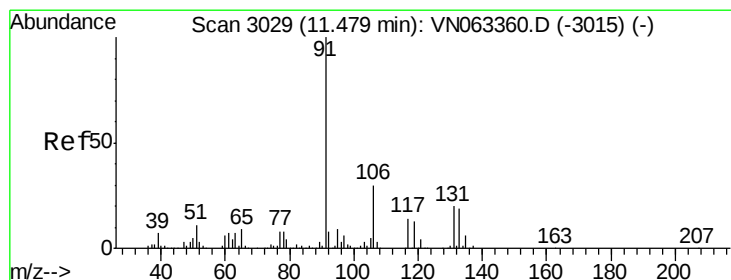
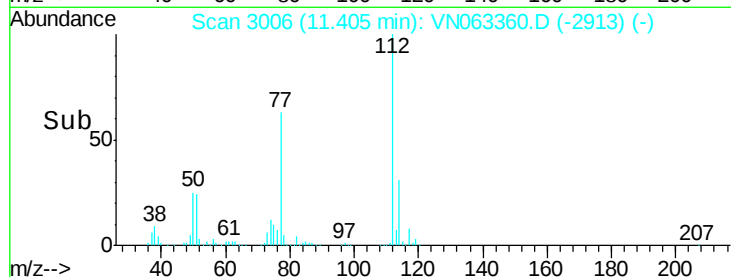
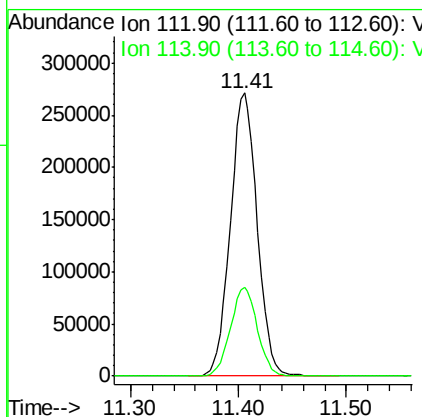
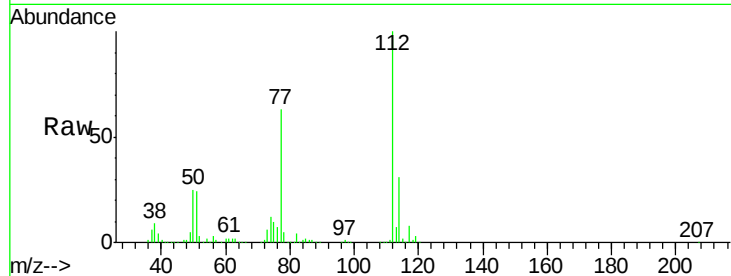
#65
Chlorobenzene
Concen: 49.503 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 469574
Ion Ratio Lower Upper
112 100
114 31.3 25.0 37.6

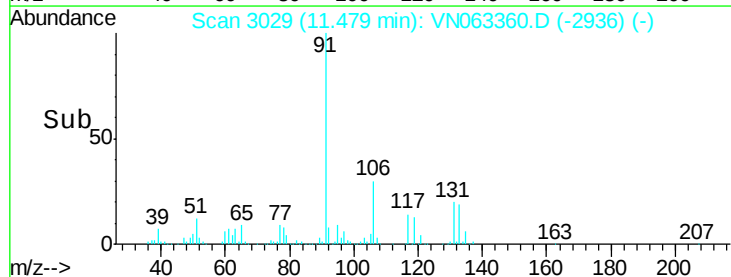
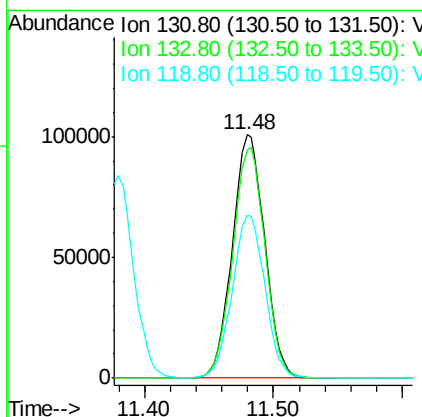
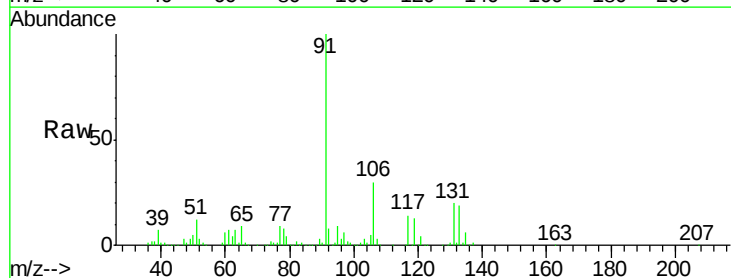
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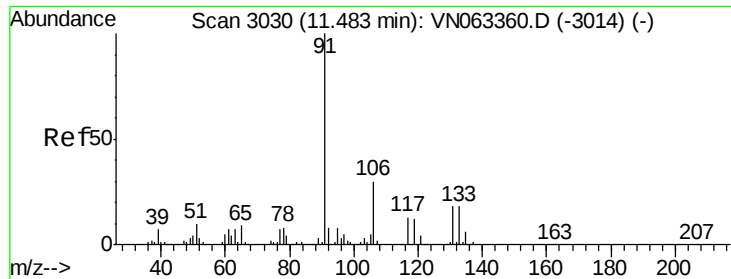
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.745 ug/l
RT: 11.48 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion:131 Resp: 175691
Ion Ratio Lower Upper
131 100
133 94.6 47.3 141.9
119 67.2 33.6 100.8





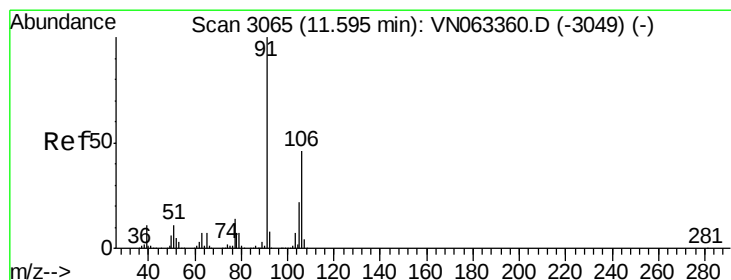
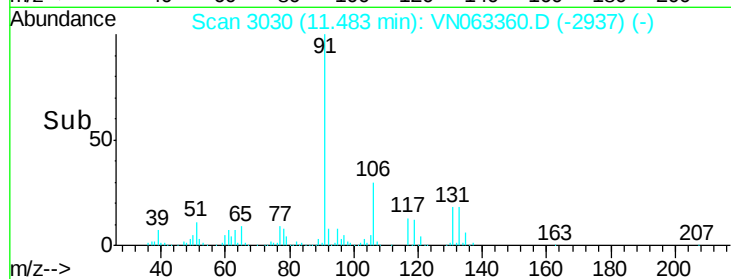
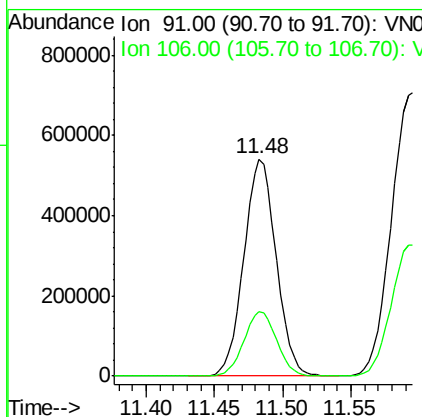
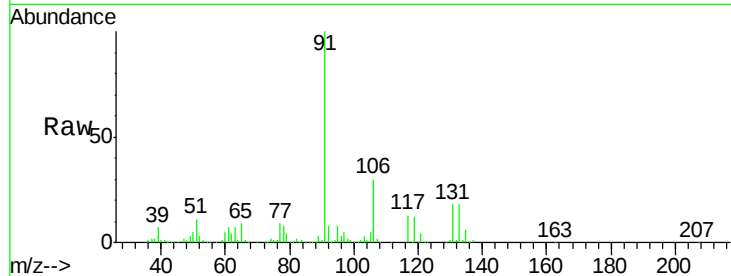
#67
Ethyl Benzene
Concen: 52.113 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 890205
Ion Ratio Lower Upper
91 100
106 29.7 23.8 35.6

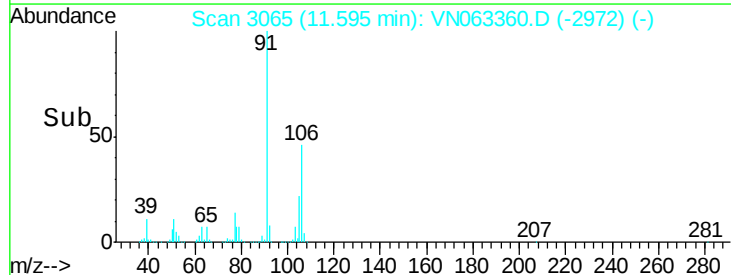
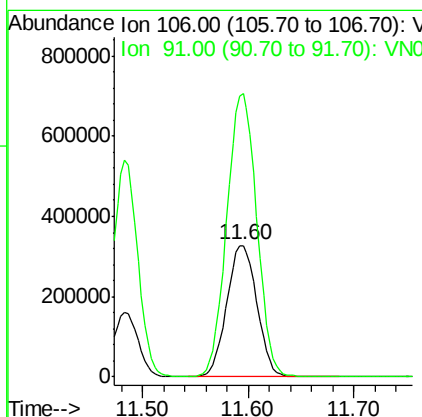
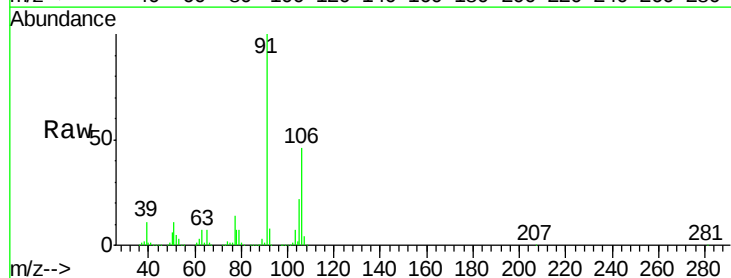
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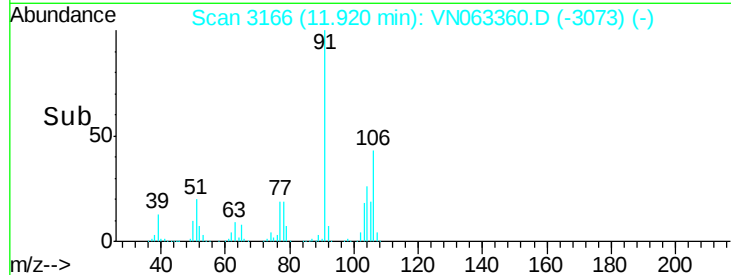
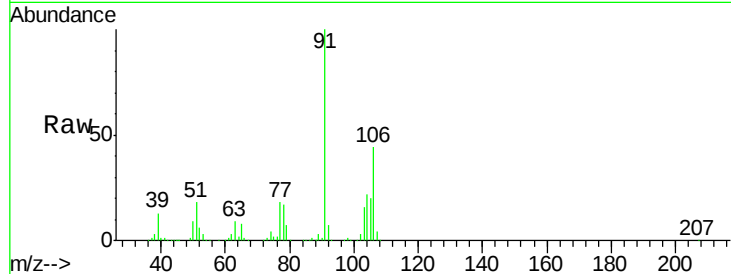
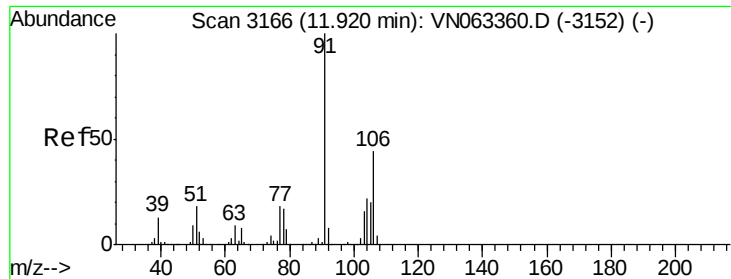
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#68
m/p-Xylenes
Concen: 102.225 ug/l
RT: 11.60 min Scan# 3065
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion: 106 Resp: 646615
Ion Ratio Lower Upper
106 100
91 214.0 171.2 256.8





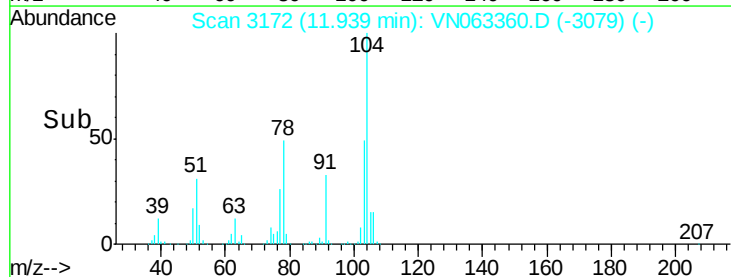
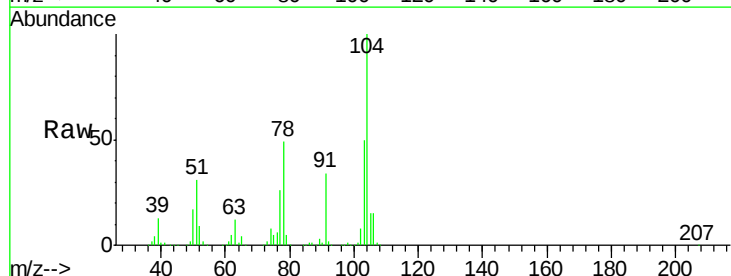
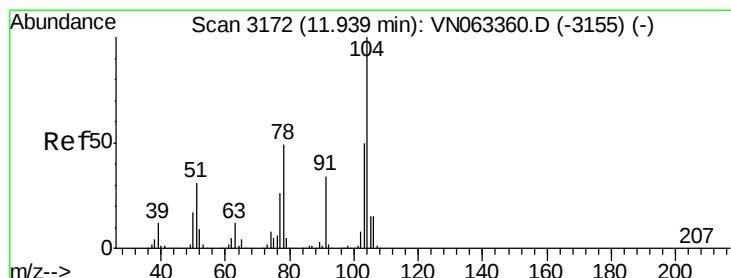
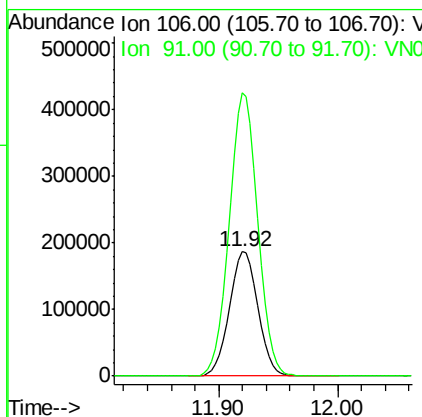
#69
o-Xylene
Concen: 51.182 ug/l
RT: 11.92 min Scan# 3166
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tot Ion: 106 Resp: 309890
Ion Ratio Lower Upper
106 100
91 227.2 113.6 340.8

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

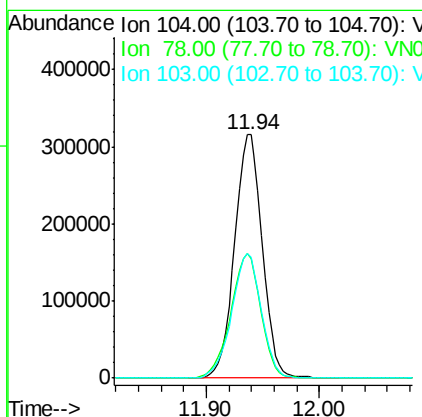
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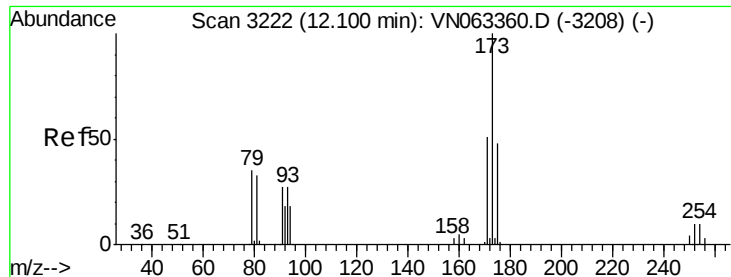
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#70
Styrene
Concen: 53.279 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion: 104 Resp: 538024
Ion Ratio Lower Upper
104 100
78 55.5 44.4 66.6
103 54.6 43.7 65.5





#71

Bromoform

Concen: 55.437 ug/l

RT: 12.10 min Scan# 3222

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Instrument :

MSVOA_N

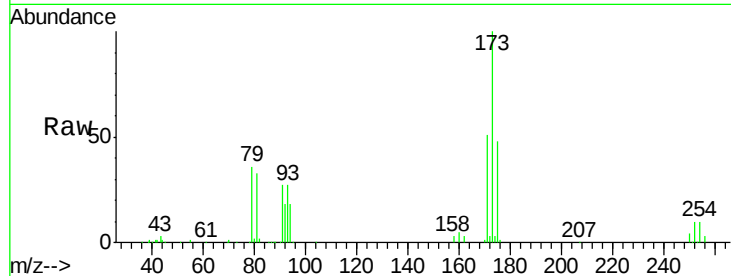
ClientSampleId :

VSTDICCC050

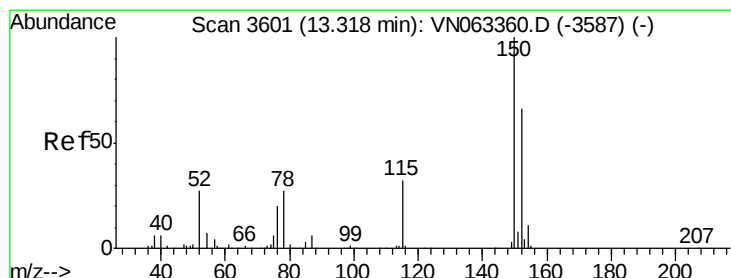
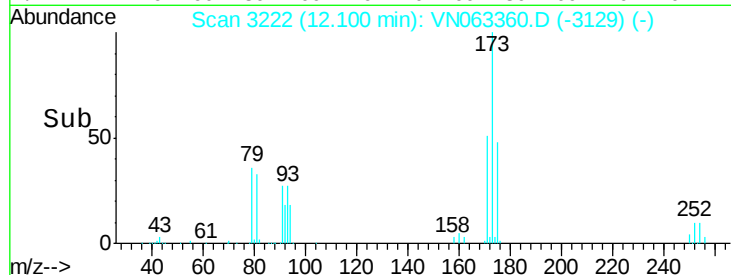
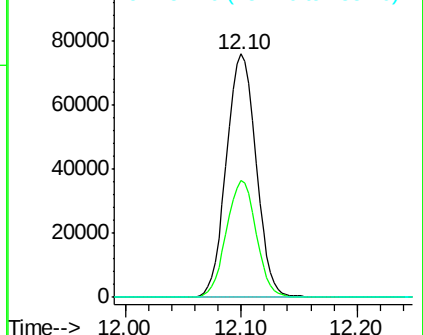
Tot Ion:173	Resp:	134502
Ion Ratio	Lower	Upper
173 100		
175 48.0	24.0	72.0
254 0.0	0.0	0.0

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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

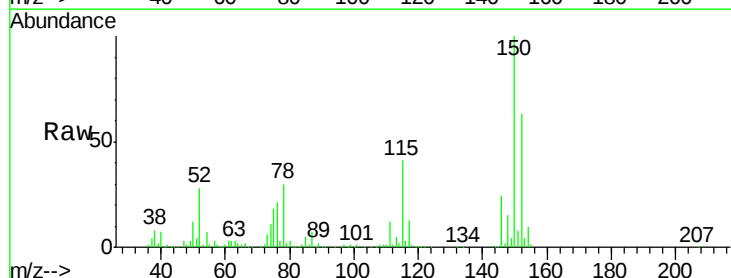
RT: 13.32 min Scan# 3601

Delta R.T. 0.00 min

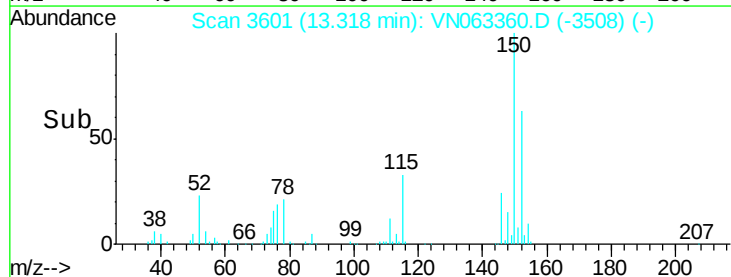
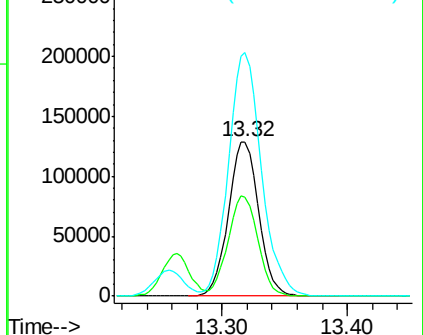
Lab File: VN063360.D

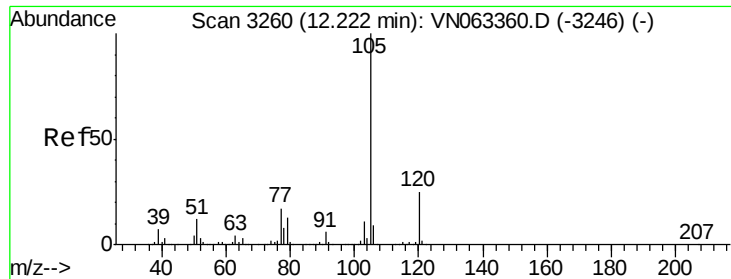
Acq: 16 Sep 2020 11:55

Tgt Ion:152	Resp:	215816
Ion Ratio	Lower	Upper
152 100		
115 64.4	32.2	96.6
150 171.7	0.0	343.4



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





#73

Isopropylbenzene

Concen: 49.128 ug/l

RT: 12.22 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 855140

Ion Ratio Lower Upper

105 100

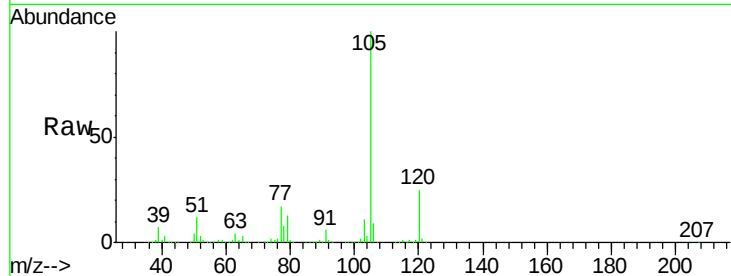
120 25.3 12.7 38.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

500000

400000

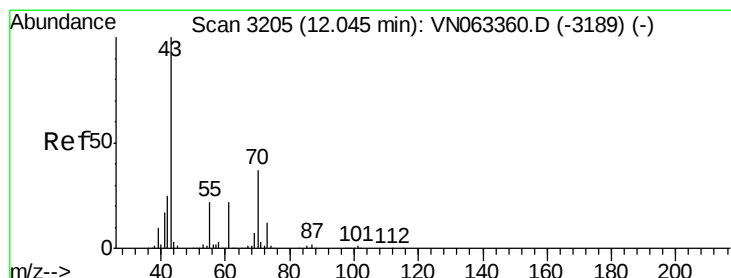
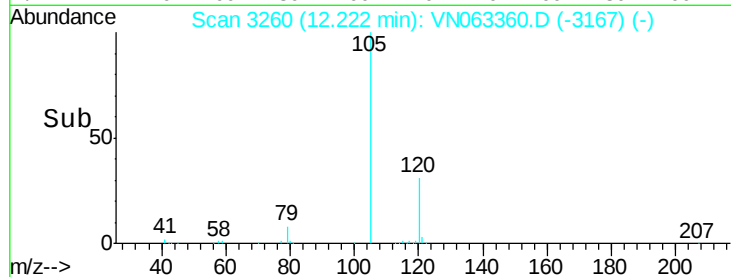
300000

200000

100000

0

Time--> 12.10 12.20 12.30



#74

N-ethyl acetate

Concen: 56.424 ug/l

RT: 12.05 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Tgt Ion: 43 Resp: 407431

Ion Ratio Lower Upper

43 100

70 37.0 29.6 44.4

55 22.1 17.7 26.5

61 21.8 17.4 26.2

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

400000

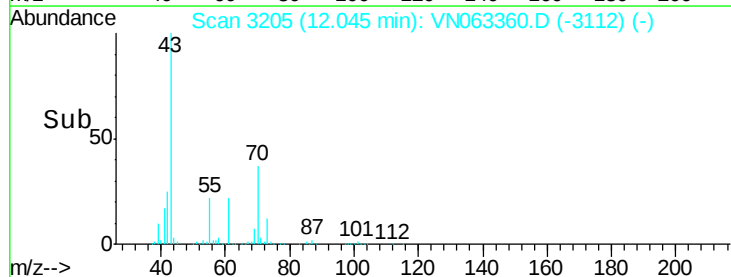
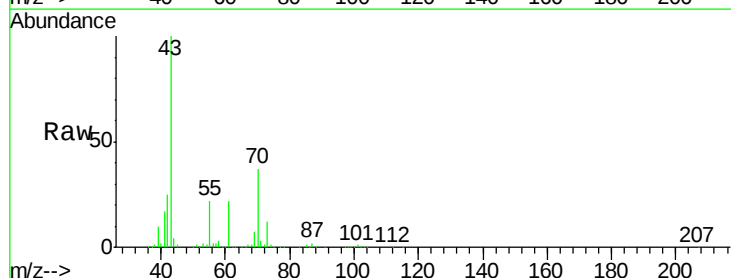
300000

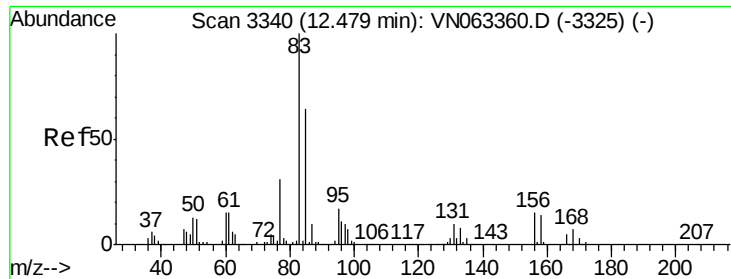
200000

100000

0

Time--> 12.00 12.10 12.20





#75

1,1,2,2-Tetrachloroethane

Concen: 51.089 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 257583

Ion Ratio Lower Upper

83 100

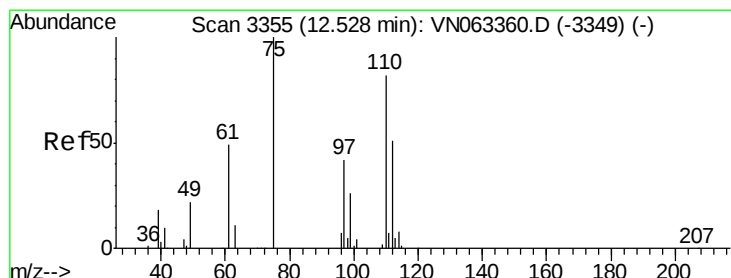
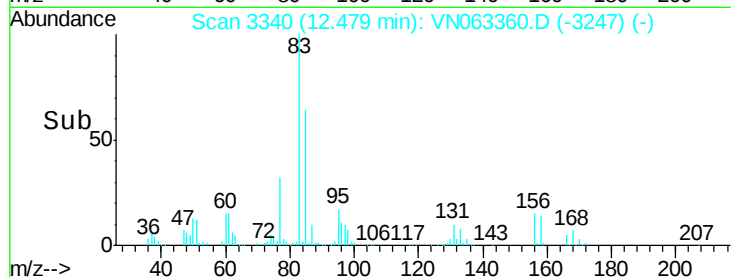
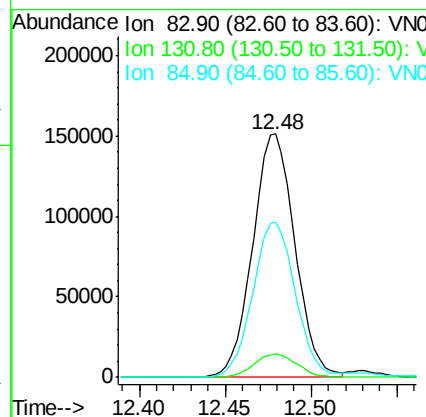
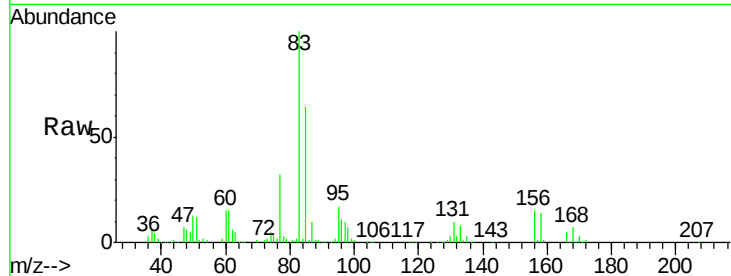
131 9.8 4.9 14.7

85 64.0 32.0 96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.866 ug/l m

RT: 12.53 min Scan# 3355

Delta R.T. 0.00 min

Lab File: VN063360.D

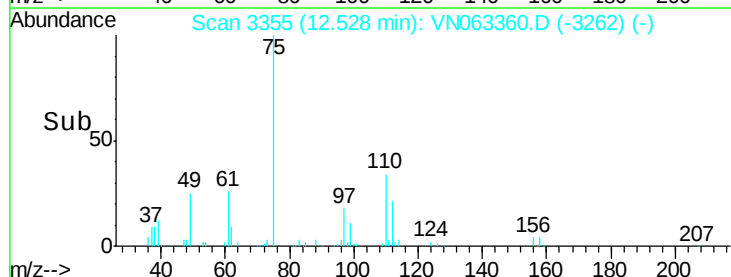
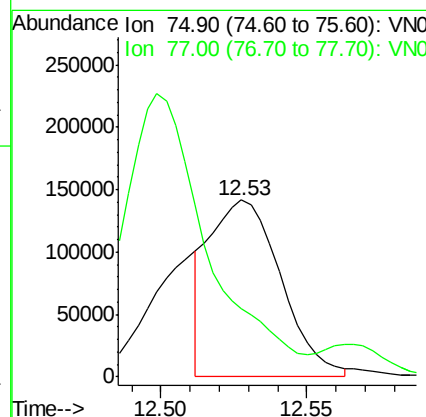
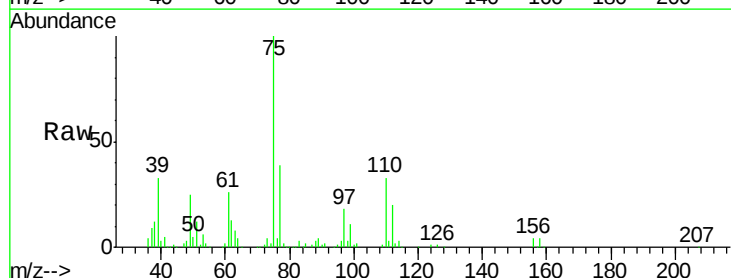
Acq: 16 Sep 2020 11:55

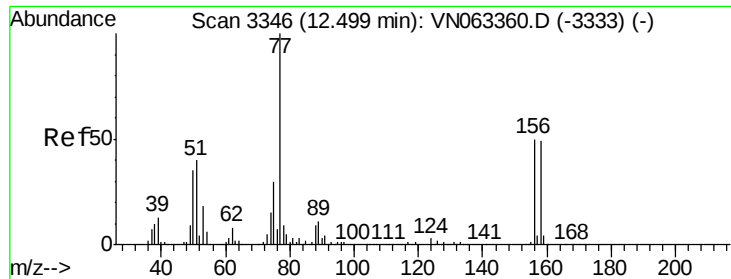
Tgt Ion: 75 Resp: 242151

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 48.055 ug/l

RT: 12.50 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Instrument :

MSVOA_N

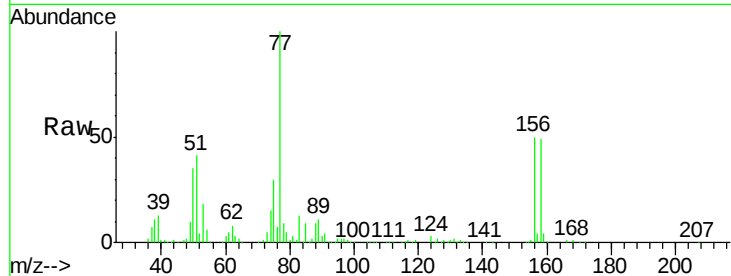
ClientSampled :

VSTDICCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	240.4	120.2	360.6
158	97.7	48.9	146.6

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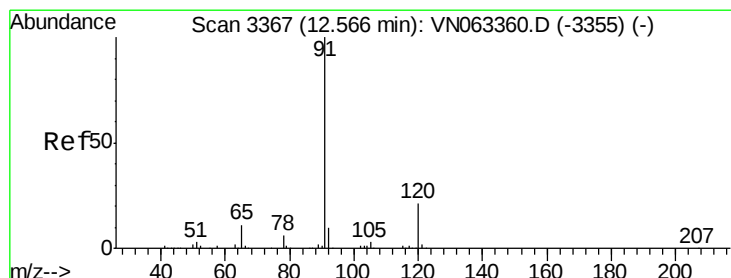
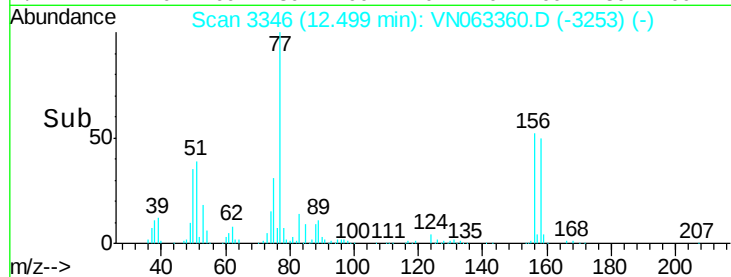
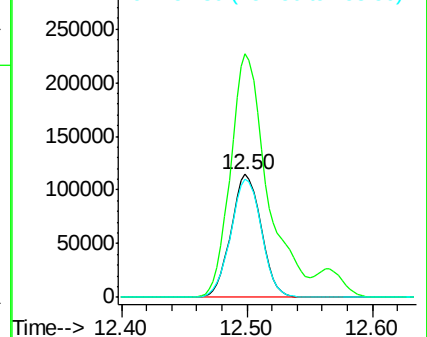


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.355 ug/l

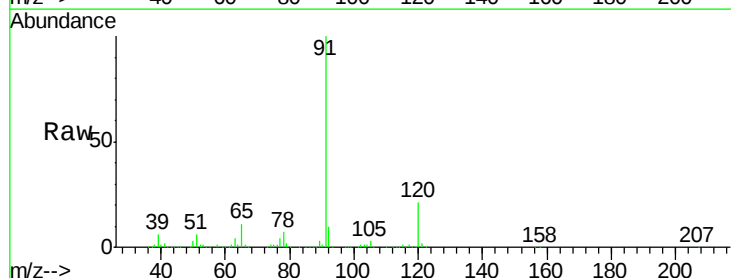
RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

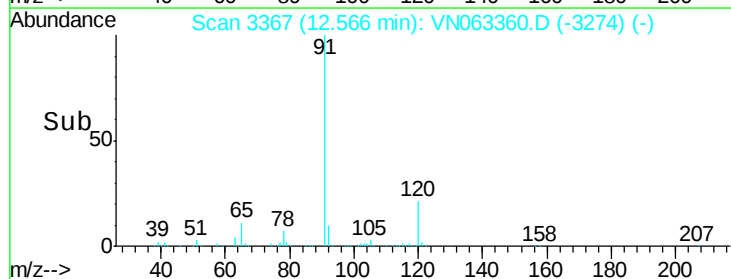
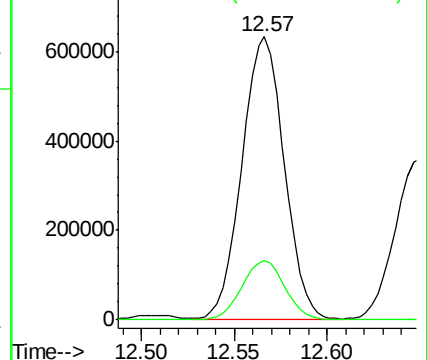
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.5	10.8	32.3

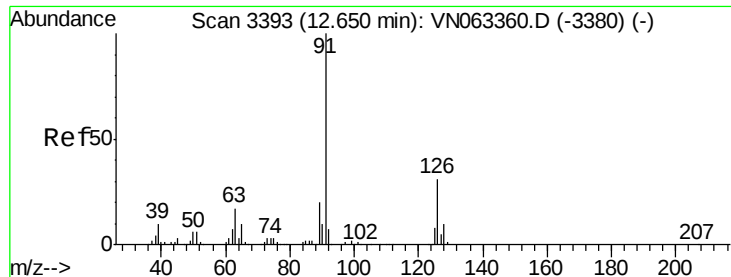


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 48.526 ug/l

RT: 12.65 min Scan# 3393

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 588963

Ion Ratio Lower Upper

91 100

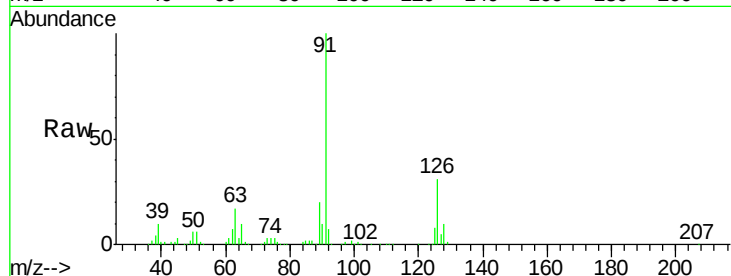
126 31.5 15.8 47.3

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Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3380) (-)

Ion 125.90 (125.60 to 126.60): VN063360.D (-3380) (-)

600000

400000

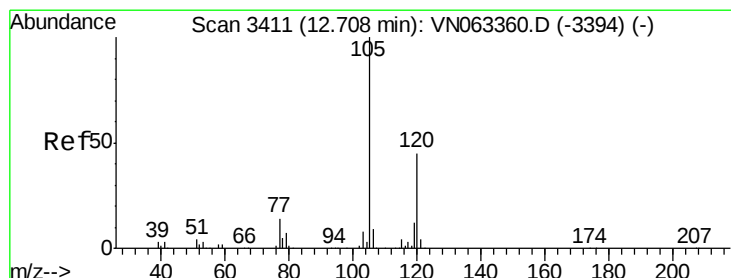
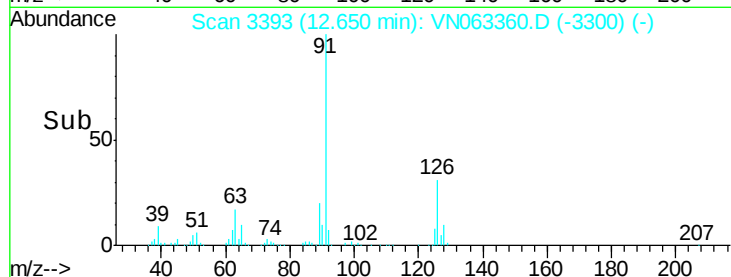
200000

0

12.65

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 50.296 ug/l

RT: 12.71 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN063360.D

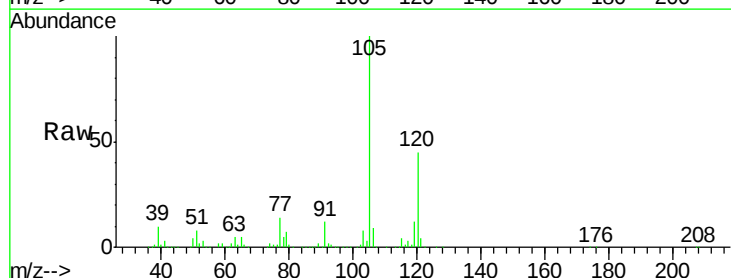
Acq: 16 Sep 2020 11:55

Tgt Ion: 105 Resp: 727252

Ion Ratio Lower Upper

105 100

120 45.9 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): VN063360.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN063360.D (-3394) (-)

500000

400000

300000

200000

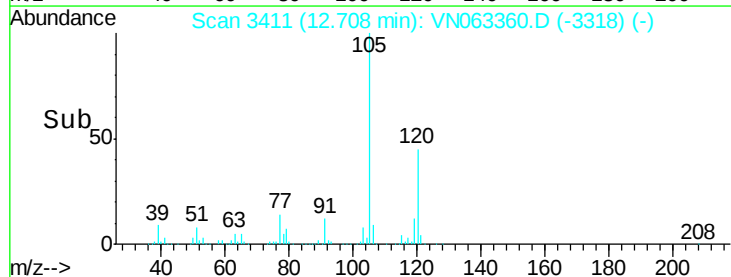
100000

0

12.71

12.60 12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 52.483 ug/l

RT: 12.27 min Scan# 3276

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 75 Resp: 93908

Ion Ratio Lower Upper

75 100

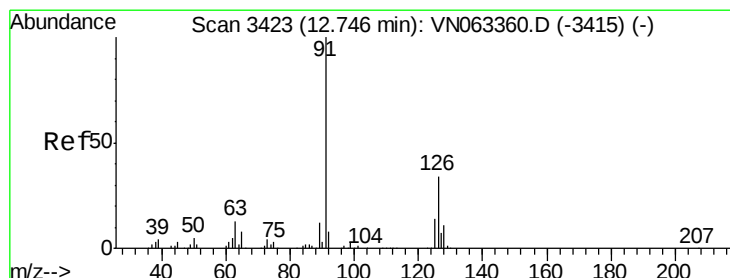
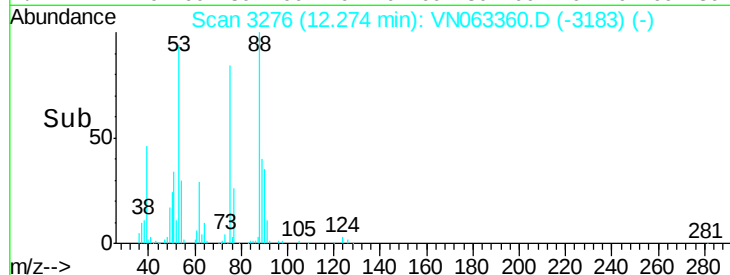
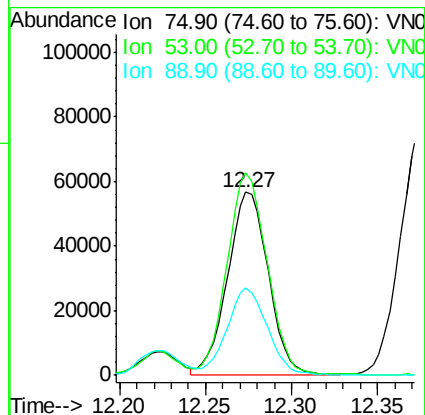
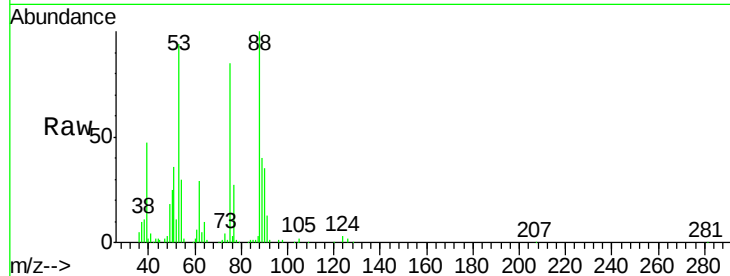
53 107.1 85.7 128.5

89 47.5 38.0 57.0

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#82

4-Chlorotoluene

Concen: 48.674 ug/l

RT: 12.75 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN063360.D

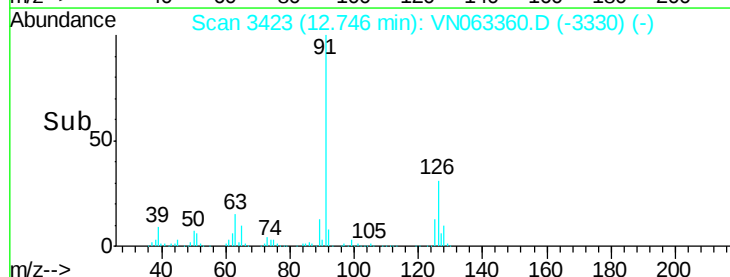
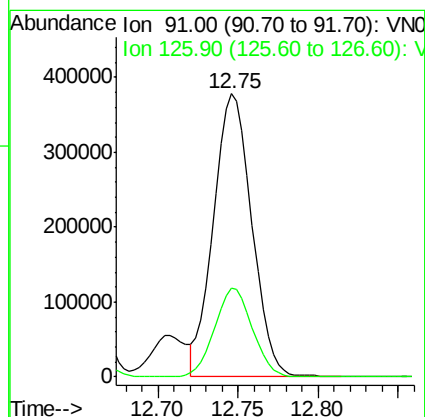
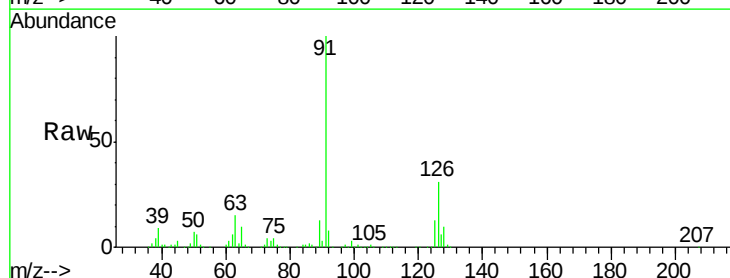
Acq: 16 Sep 2020 11:55

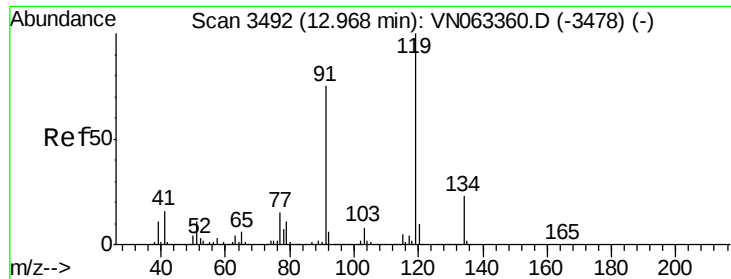
Tgt Ion: 91 Resp: 621008

Ion Ratio Lower Upper

91 100

126 31.0 15.5 46.5





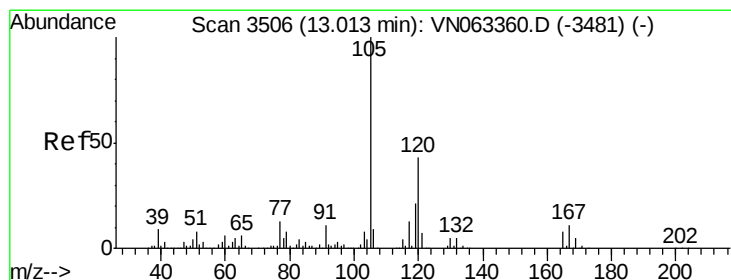
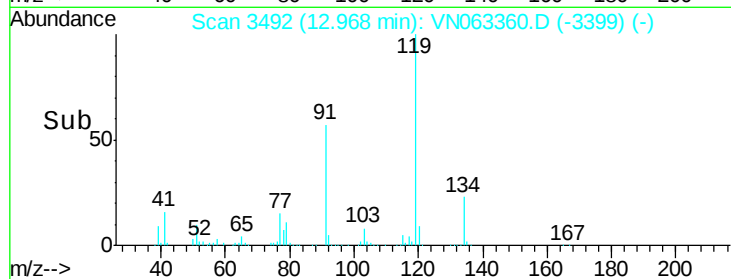
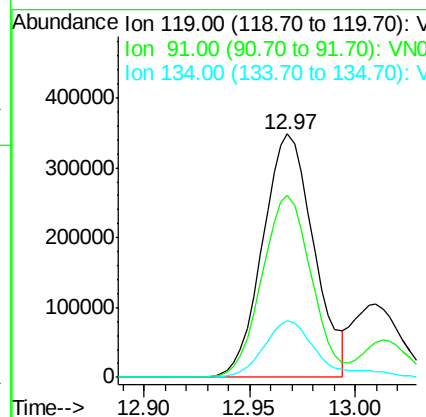
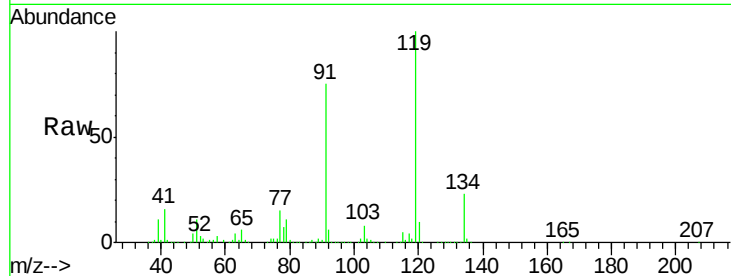
#83
 tert-Butylbenzene
 Concen: 48.091 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN063360.D
 Acq: 16 Sep 2020 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	72.6	36.3	108.9
134	24.5	12.3	36.8

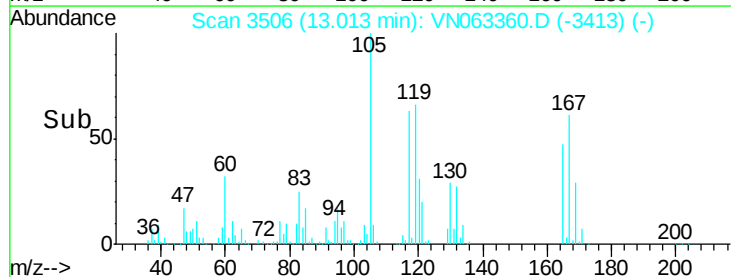
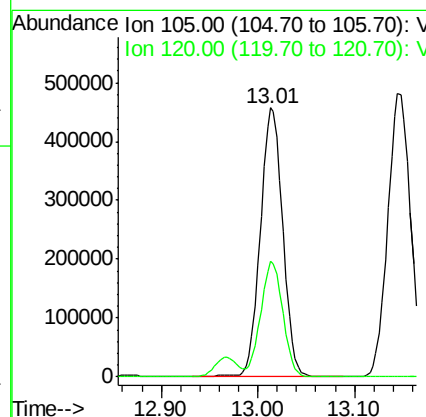
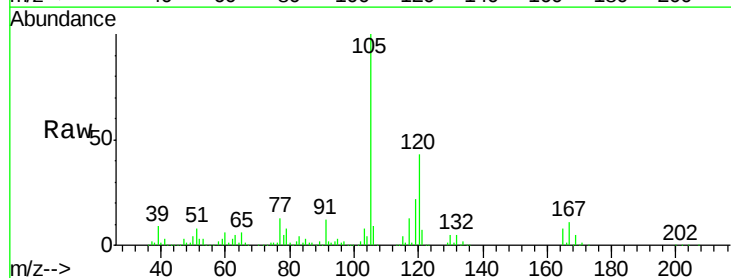
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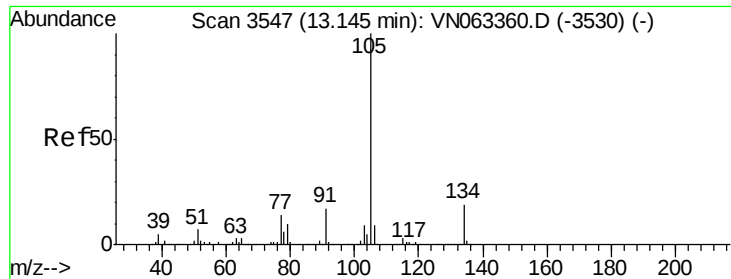
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.533 ug/l
 RT: 13.01 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN063360.D
 Acq: 16 Sep 2020 11:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.6	21.3	63.9





#85

sec-Butylbenzene

Concen: 50.513 ug/l

RT: 13.14 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 787604

Ion Ratio Lower Upper

105 100

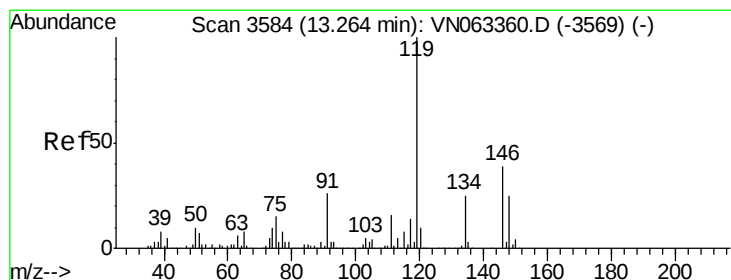
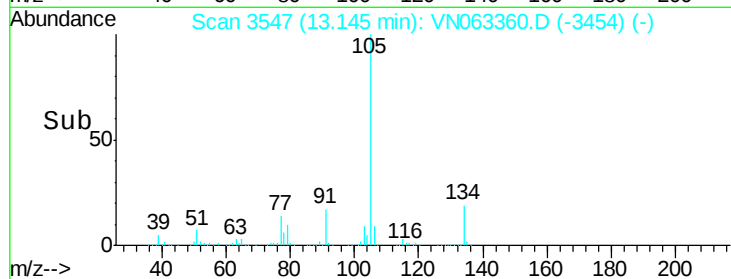
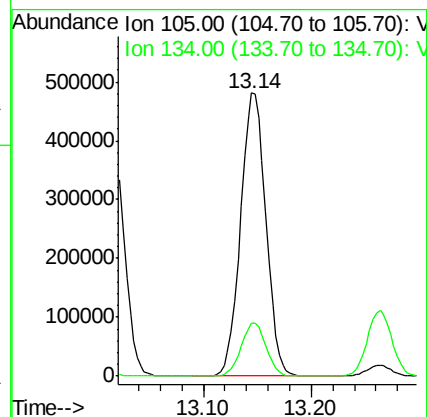
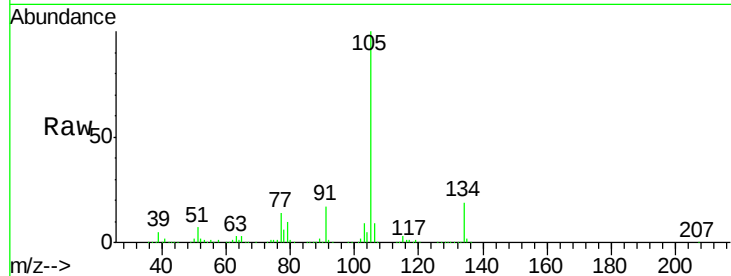
134 18.5 9.3 27.7

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#86

p-Isopropyltoluene

Concen: 49.650 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

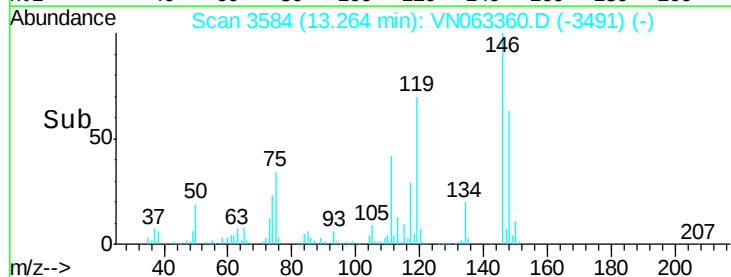
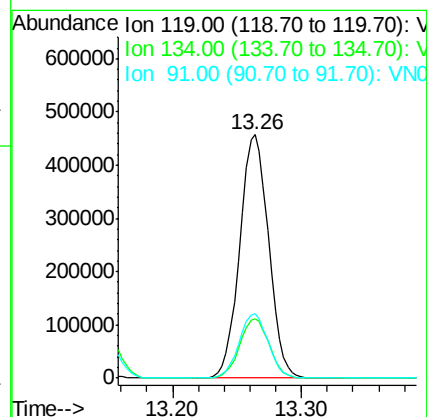
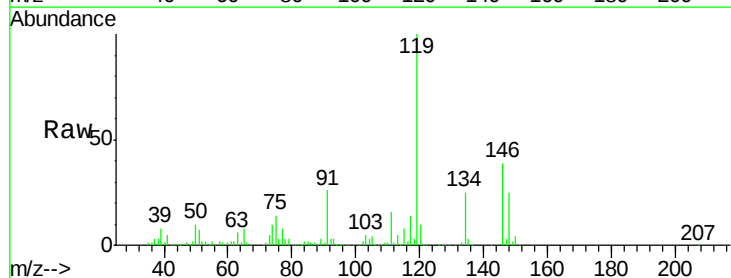
Tgt Ion:119 Resp: 708176

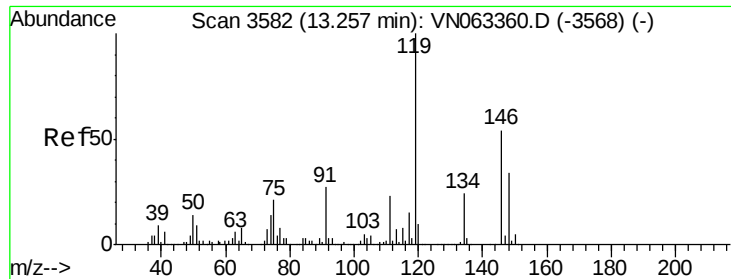
Ion Ratio Lower Upper

119 100

134 25.0 12.5 37.5

91 26.7 13.4 40.1





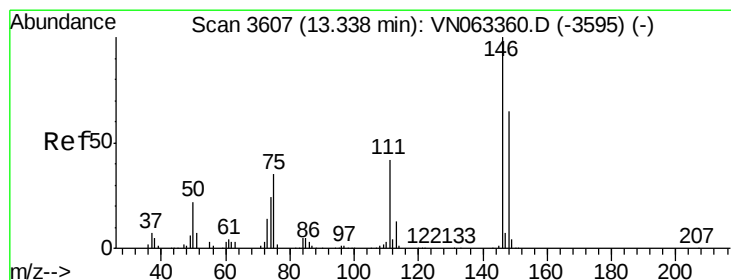
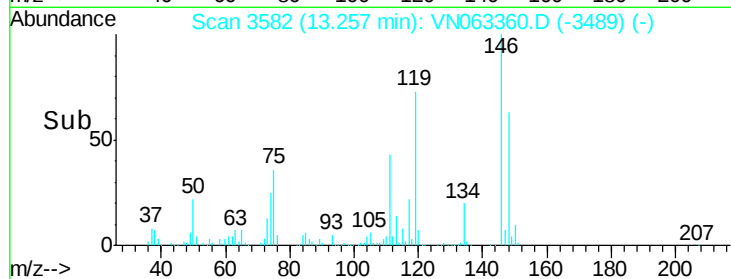
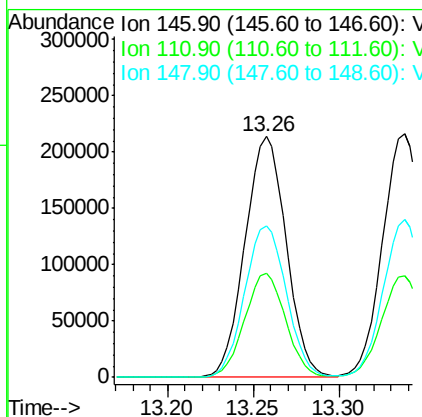
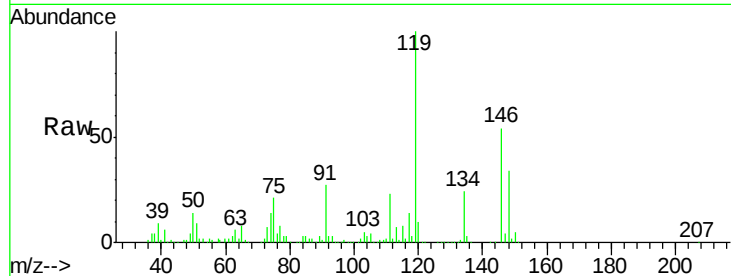
#87
 1,3-Dichlorobenzene
 Concen: 48.717 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN063360.D
 Acq: 16 Sep 2020 11:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	356198		
111	42.9	21.4	64.3	
148	63.8	31.9	95.7	

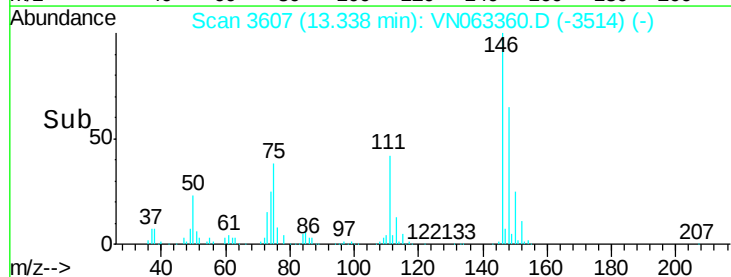
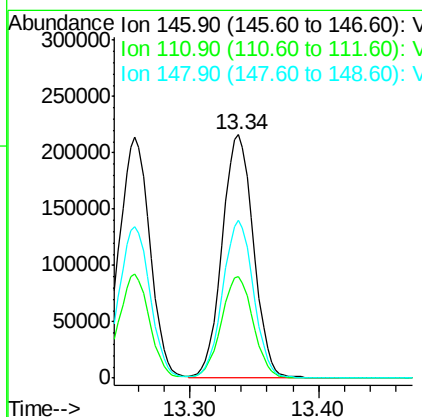
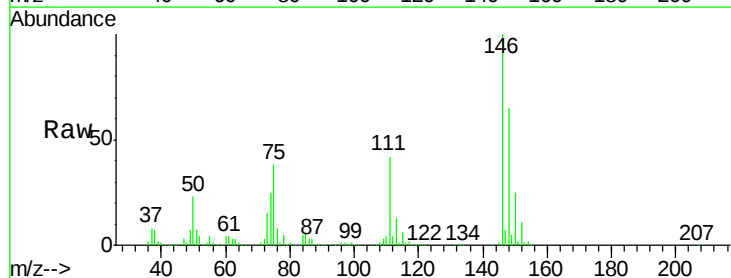
Manual Integrations
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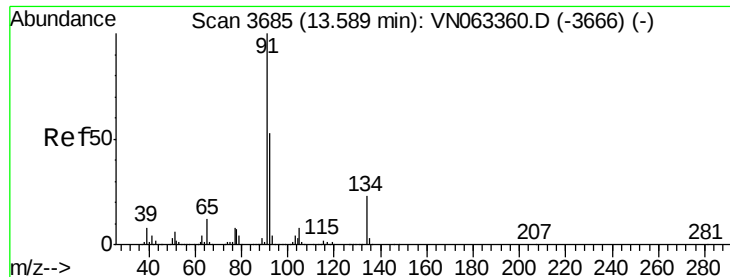
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#88
 1,4-Dichlorobenzene
 Concen: 47.723 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063360.D
 Acq: 16 Sep 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	363225		
111	42.4	21.2	63.6	
148	63.9	31.9	95.9	





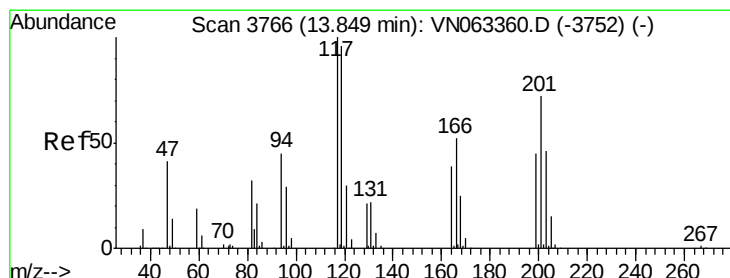
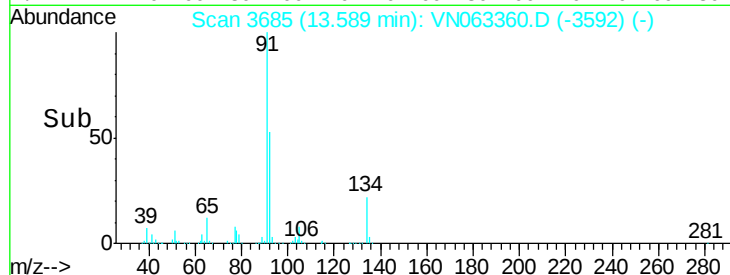
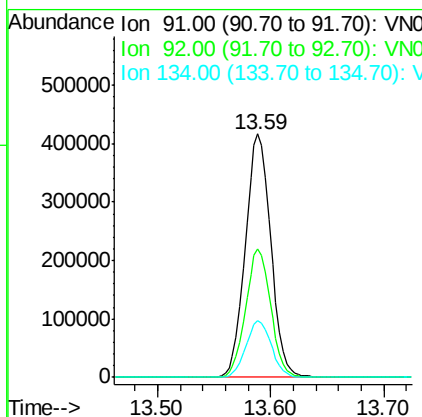
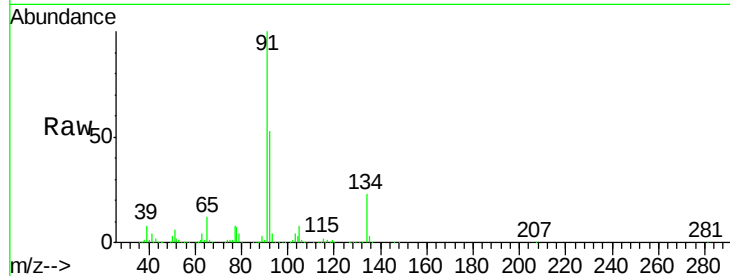
#89
n-Butylbenzene
Concen: 50.631 ug/l
RT: 13.59 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.0	26.0	78.0
134	23.3	11.7	35.0

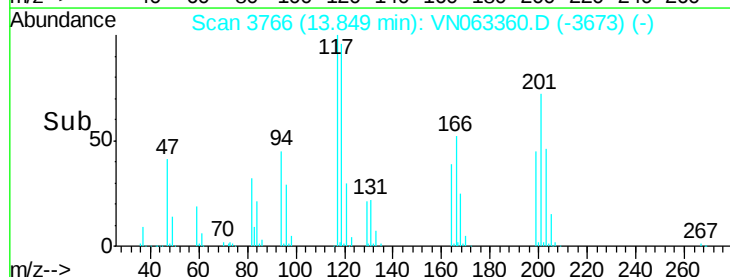
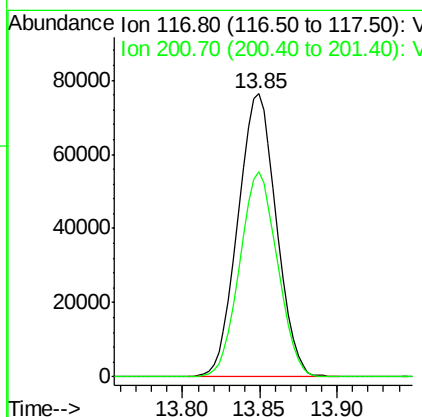
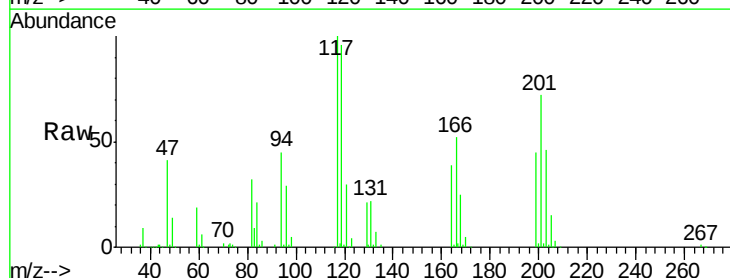
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#90
Hexachloroethane
Concen: 55.515 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063360.D
Acq: 16 Sep 2020 11:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.1	35.5	106.7





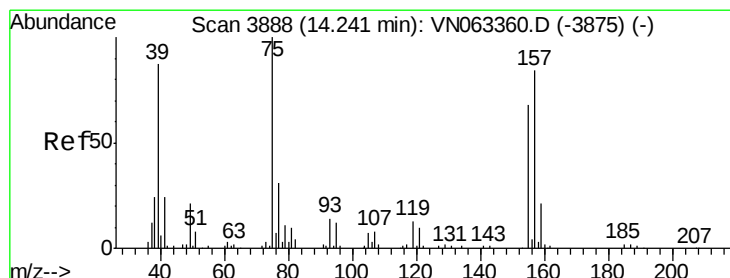
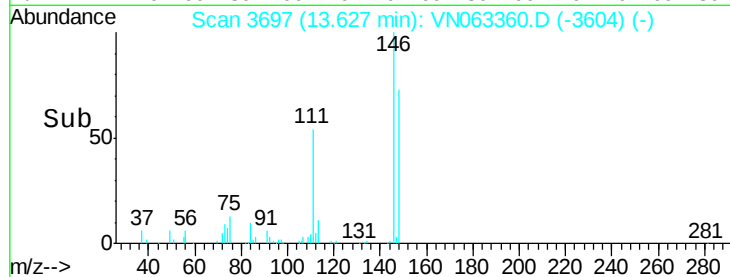
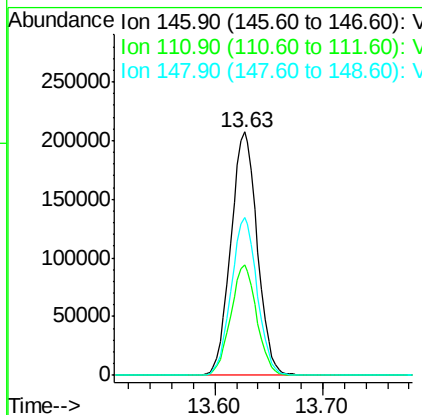
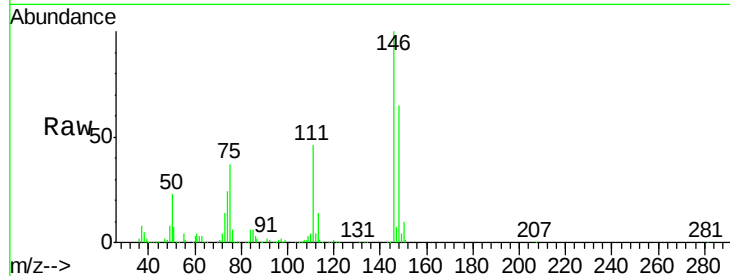
#91
 1,2-Dichlorobenzene
 Concen: 49.046 ug/l
 RT: 13.63 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN063360.D
 Acq: 16 Sep 2020 11:55

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.4	67.2
148	64.0	32.0	96.0

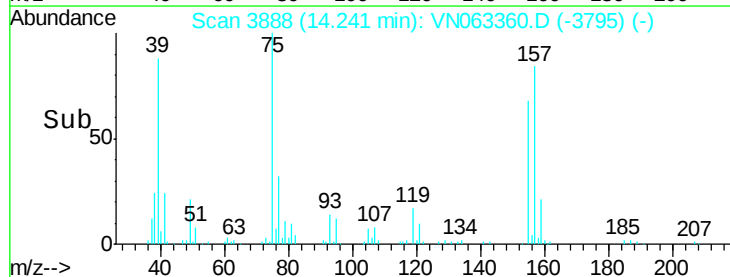
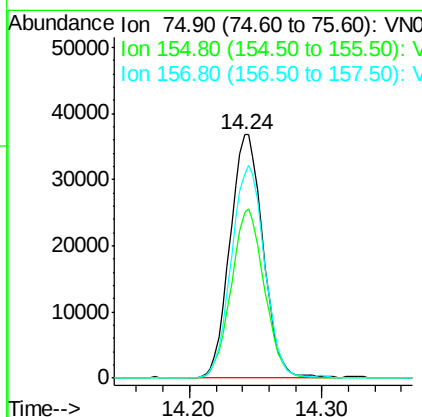
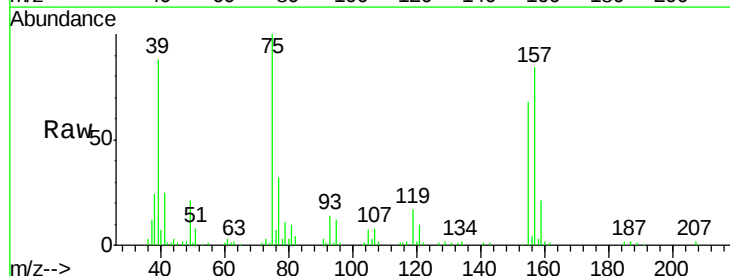
Manual Integrations
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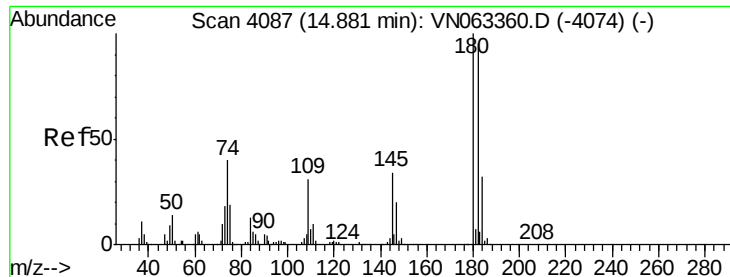
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.218 ug/l
 RT: 14.24 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN063360.D
 Acq: 16 Sep 2020 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	69.3	34.6	103.9
157	87.4	43.7	131.1





#93

1,2,4-Trichlorobenzene

Concen: 50.677 ug/l

RT: 14.88 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Instrument :

MSVOA_N

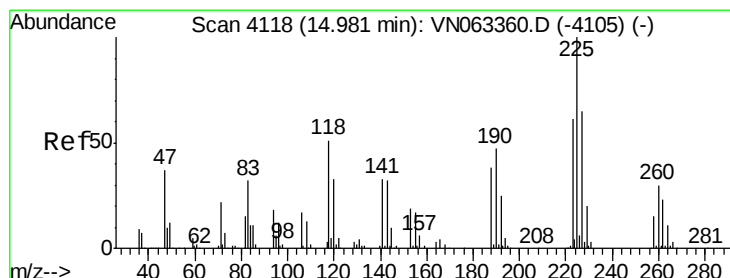
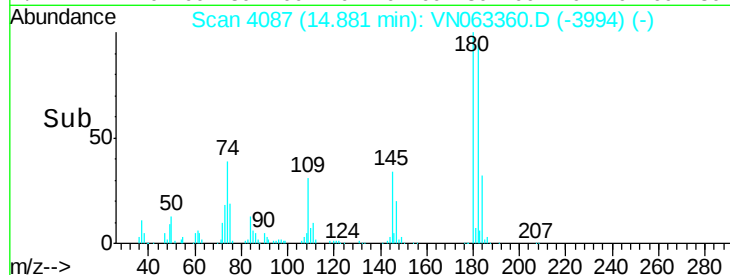
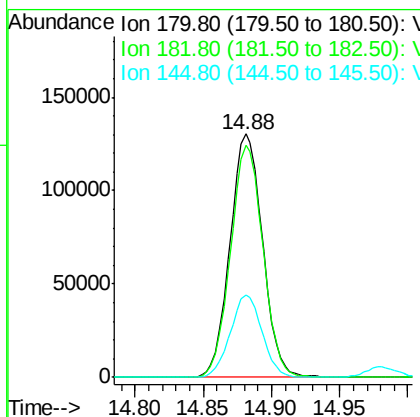
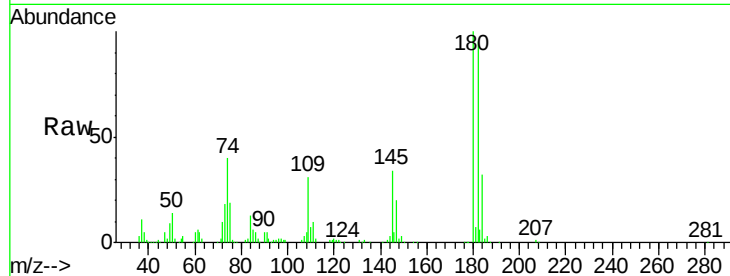
ClientSampleId :

VSTDICCC050

Tot Ion:	180	Resp:	216160
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.3	142.0
145	33.1	16.6	49.7

Manual Integrations
APPROVED

MMDadoda
9/17/2020 1:07:52 PM



#94

Hexachlorobutadiene

Concen: 47.716 ug/l

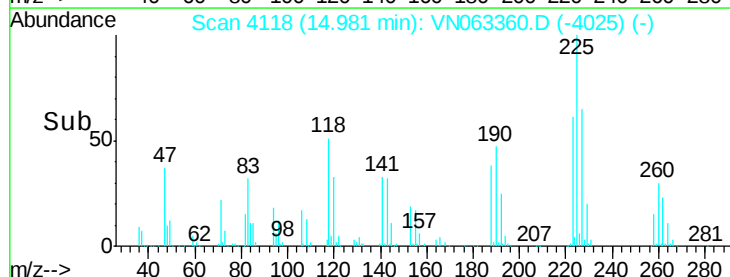
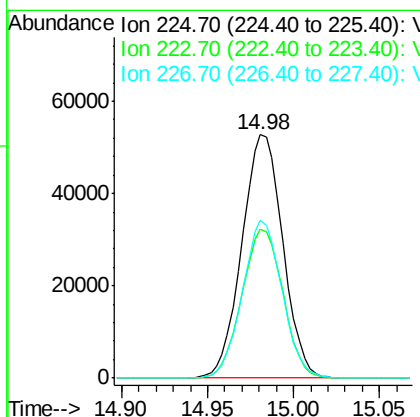
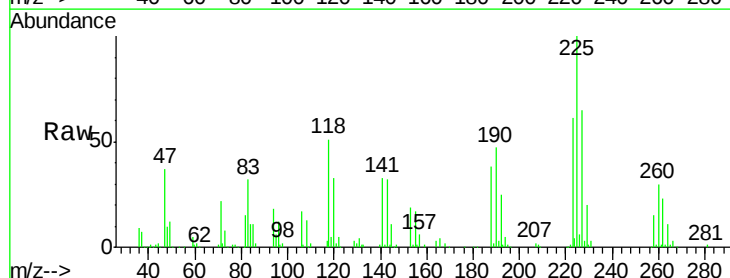
RT: 14.98 min Scan# 4118

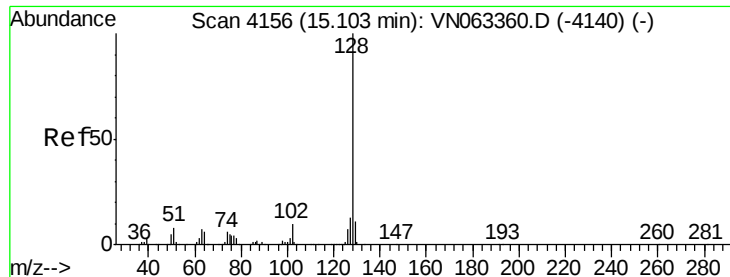
Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Tgt Ion:	225	Resp:	87111
Ion Ratio	Lower	Upper	
225	100		
223	61.1	30.6	91.6
227	62.4	31.2	93.6





#95

Naphthalene

Concen: 51.413 ug/l

RT: 15.10 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Instrument :

MSVOA_N

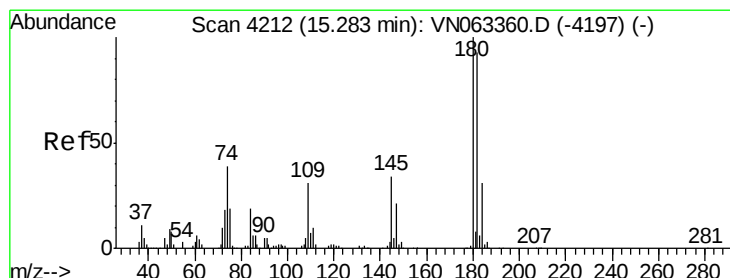
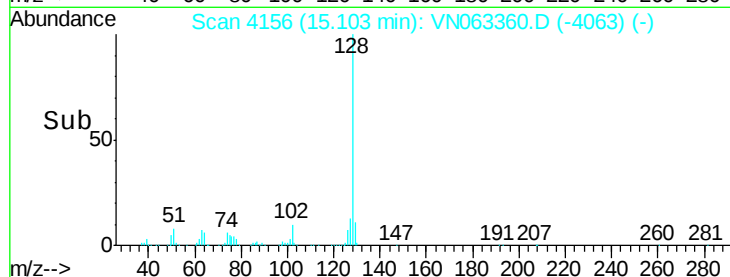
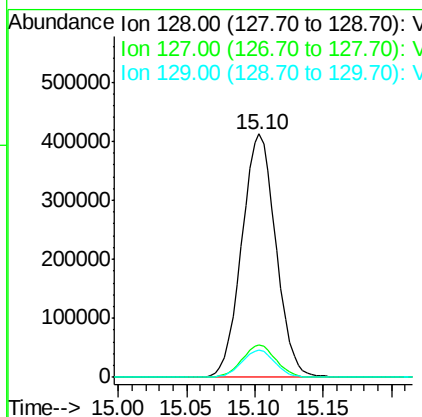
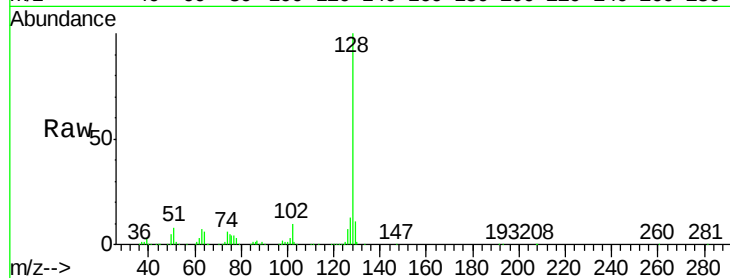
ClientSampled :

VSTDICCC050

Tot Ion:	128	Resp:	714907
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.6	15.8
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
9/17/2020 1:07:52 PM



#96

1,2,3-Trichlorobenzene

Concen: 50.145 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN063360.D

Acq: 16 Sep 2020 11:55

Tgt Ion:	180	Resp:	209273
Ion Ratio	Lower	Upper	
180	100		
182	93.4	46.7	140.1
145	33.5	16.8	50.3

